



Give Your Robot A Soft Hand

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Abundant product models

We provide a large number of soft gripper models, with modular applications, which can quickly work out your soft gripping solution.



Many ways to help you choose

Don't know how to choose models? Don't worry. We have professional consultants to assist you, and we can also provide gripping tests for your samples if provided to eliminate your worries.



Save design time

You can download 3D-CAD-models at www.rochu.com, a variety of models for your choice!



Fast customizable service

Rochu's professional technical team provides you with customizable services. The average develop-time is 5 working days.



Worry-free warranty service

Where from the date of purchase of goods within one year (consumable products within 6 months), due to quality problems of non-human damage, the company to apply, the company will replace or repair the corresponding products.

Honor and qualification



EU CE Safety Certification



FDA Certification

1935/2004/EC

1935/2004/EC Regulation



RoHS Certification



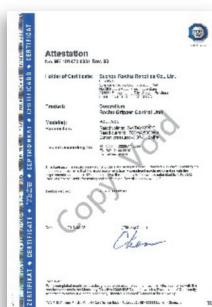
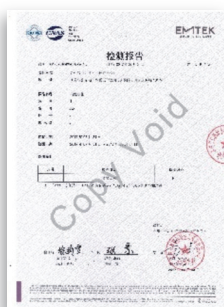
ISO9001



ISO14001



ISO45001



Partners



Applications

The movement of the Rochu grippers is inspired by the tentacles of the octopus, which can softly wrap the object without damaging the object or leaving scratches on its surface. The grippers can be widely used in auto parts, 3C electronics, food, medical, clothing, daily chemicals, and other industries. Soft Fingers can be used in a variety of industrial applications such as assembly, sorting, and handling, as well as in new retail industries such as vending machines. High safety, good versatility, and convenient installation make up for the vacancy that mechanical grippers and vacuum suction cups can not be applied on some occasions.

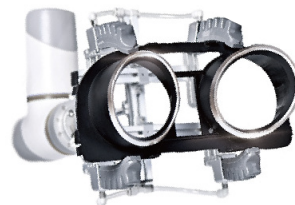
3C Electronics

It applies to the high-precision plug and pull of precision electronic instruments, as well as the assembly, sorting, testing, packaging, and other production processes of related accessories of mobile phones, circuit boards, silicon wafers, thin glass, and other workpieces.



Auto parts

It is used for sorting, handling, loading, and unloading automobile headlights, metal special-shaped parts, and exterior parts. Especially suitable for small batch and multi-batch soft production requirements.



Injection molded product

Suitable for medical, daily chemicals, stationery, consumer electronics and other injection molding products grab material, high temperature resistance of 200° C or more, can be matrix arrangement



Food

Food safe materials. It has obtained FDA Certification and can directly contact the food. It is especially suitable for sorting and packaging fruits and vegetables, irregular vacuum packaged food, dairy products, dough cakes, and so on.



Fabric

It is suitable for layered grasping or multi-layer simultaneous grasping of knitted and woven fabrics. During layered grabbing, it can only grab the top layer or handle a whole stack of pieces.



Medical Supplies

It is used for grasping medical consumables such as infusion tubes, test tubes, ampoules, as well as bottled and bagged reagents, and for the process of production and disinfection of medical instruments.



Product Advantages

Soft



Bionics structure design and covering clamp enable the soft grippers to grasp the objects with centimeter-level adaptive ability. Facing the soft production line of small-batch and multi-batch in the factory, Rochu can effectively save the switching time of the production line. Can adapt to most industrial scenes with 300 times/min opening and closing speed, $\pm 0.05\text{mm}$ precision, millions of times service life, 9kg maximum load, good chemical and temperature resistance.

Safe



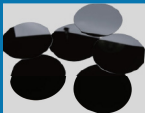
Rochu 's soft gripper is made of pure soft material and possesses adjustable clamping strength, making it safe to pick and place soft and flimsy objects. To deal with vulnerable and fragile products, Rochu 's soft gripper can not only avoid damage but also avoid scratches on the surface while the safety of the operator is also guaranteed. The material has obtained FDA Certification and can be in direct contact with food.

Easy

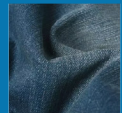


The standardized finger module makes the construction of soft gripper as simple as building blocks and saves design time. Rochu Control Unit is equipped with a standard communication interface, which is seamlessly matched with all kinds of mechanical arms and PLC, as easy as using a USB flash drive. The controller has a wireless remote control function and built-in air source (ACU configuration), which is convenient for installation and adjustment. It can also be used in the mobile working environment without an air source.

Thin, brittle and fragile



Soft and breathable



Ring



special-shaped



Different sizes



Rochu Gripper Introduction

Rochu gripper is a kind of soft fixture independently researched and developed by Rochu Robotics. Rochu's soft gripper applies the principle of bionics to imitate the action of octopus tentacles wrapping the object and grasping the object in a wrapped manner.

Traditional fixtures often cannot provide a successful grasping scheme because of many limitations, such as object shape, material, grasping requirements, and so on. Rochu soft gripper is made of soft materials, which will not damage the target object. At the same time, due to its centimeter-level adaptive ability, it has high versatility. One gripper is universal and suitable for objects of different shapes. Users do not need to change the gripper frequently.

Rochu gripper fills the vacancy of the robot's end gripper and greatly expands the application scene of the industrial robot.

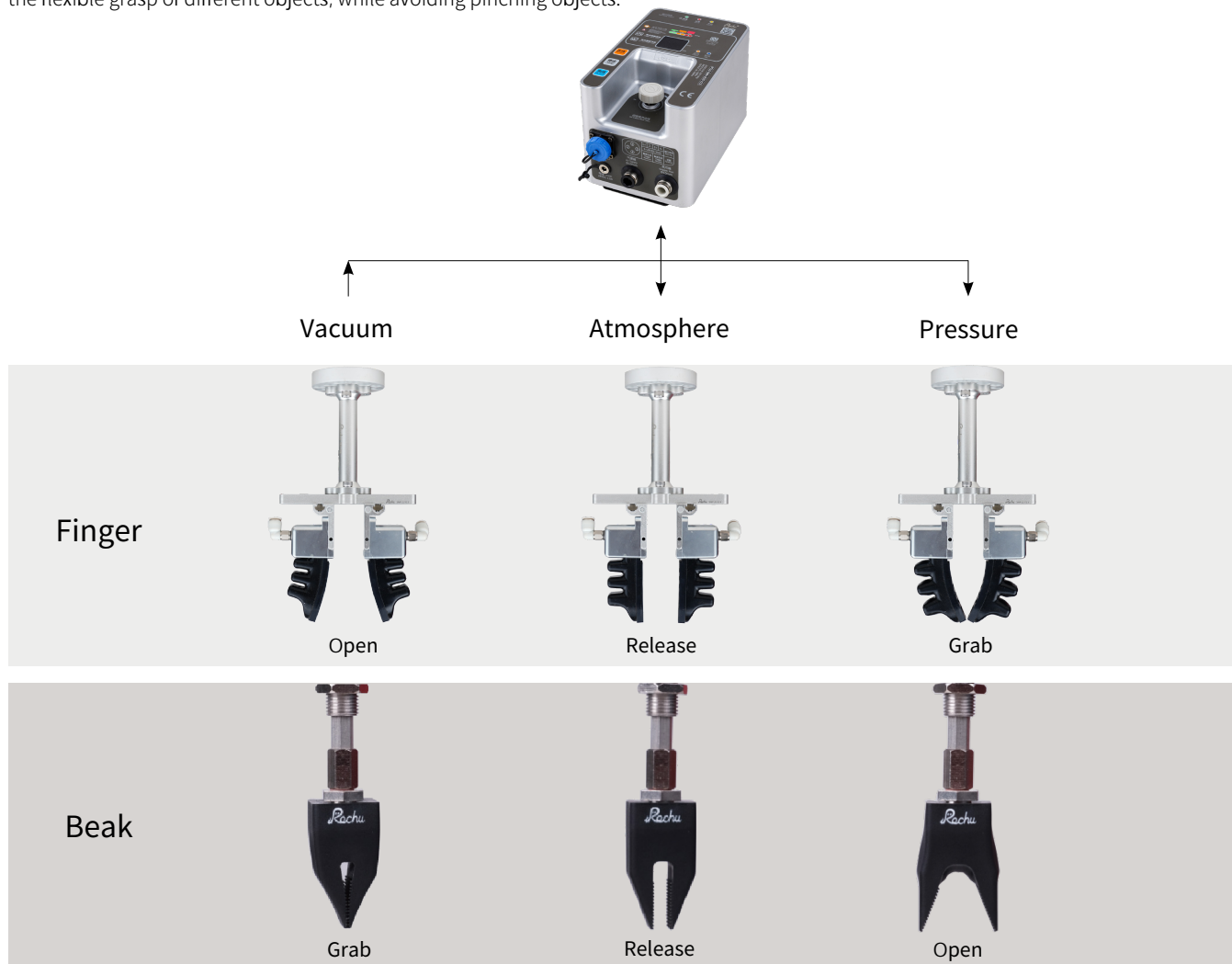


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Working principle

Rochu soft gripper adopts pneumatic drive technology. Through positive and negative pressure switching, the gripper achieves soft fingers/soft beak opening and closing action, so as to achieve grasp or outward expansion action.

At the same time, by adjusting the air pressure to control the clamping strength of the gripper or the angle of opening and closing, to achieve the flexible grasp of different objects, while avoiding pinching objects.



The air pressure must be strictly controlled within the Safe Pressure range. Overload use may cause irreversible damage to the product. It is recommended to use the original Rochu control unit to ensure the service life and stability of the product. Please refer to the product page or package identification for the air pressure of the product.

Material safety performance



FDA Certification

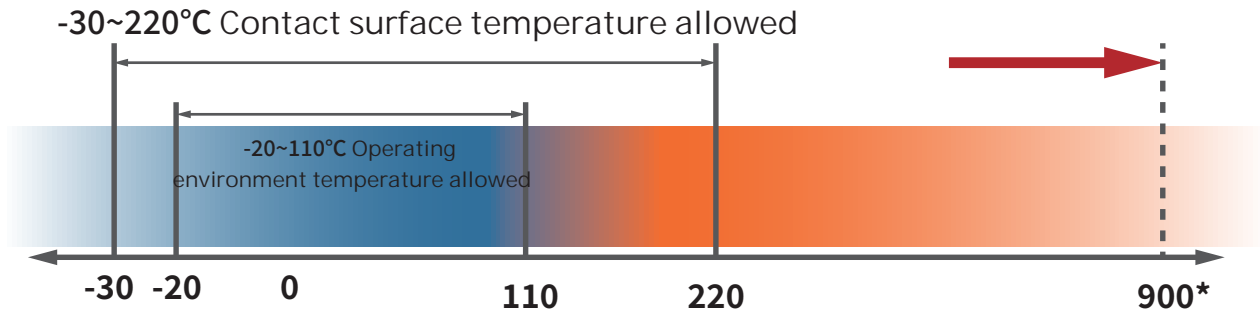
1935/2004/EC

1935/2004/EC Regulation



RoHS Certification

Temperature resistance performance



*: High temperature-resistant fingers need to be customized according to the requirements of the scene. Please consult relevant technical support for specific information.

Chemical resistance performance

| Classification | Concrete Conditions | Performance |
|----------------------|---|-------------|
| Weather Fastness | General aging resistance | Excellent |
| | UV-Resistance | Good |
| | Ozone resistance | Good |
| Oil Resistance | Vegetable oil | Good |
| | Heavy oil (lubricating oil, anti-rust oil, hydraulic oil) | Good |
| | Light oil (gasoline, kerosene, stamping oil, emulsified oil, tensile oil and other volatile oils) | Not good |
| Solvent Resistance | Alcohols (methanol, ethanol, etc.) | Good |
| | Organic solvent (benzene, toluene, acetone, ethyl acetate) | Not good |
| Acid-base Resistance | Strong acids (hydrochloric, sulfuric, nitric, etc.) | Not good |
| | Strong base (sodium hydroxide, potassium hydroxide, etc.) | Not good |
| | Weak acid pH: 6-7 (such as low concentration phosphoric acid, oxalic acid, etc.) | Good |
| | Weak base pH: 7-8 (low concentration ammonia, etc.) | Good |
| | Hydrofluoric acid and other highly corrosive substances | Not good |
| water-fast | Water vapor | Good |
| | Water-soluble cutting fluid | Good |

Anti-static materials [AS] electrical parameters

| Project | Test Standard | 材料 | | |
|-----------------------|--------------------|---------------------|---------------------|-----------------------|
| | | Conductive material | Antistatic material | Conventional material |
| Surface resistance[] | IEC 61340-2-3:2016 | 10^4-10^5 | 10^6-10^9 | $>10^{12}$ |

WC

Workpiece and Condition



DK

Development Kit



Soft Beak Kit



Omnipotence Kit

BM / B

Beak Module / Soft Beak



Unicuspid Soft Beak



Bicuspid Soft Beak



Tricuspid Soft Beak



Quadricuspid Soft Beak



Soft Anemone



Soft Boots

FM / F

Finger Module / Finger



Finger Module A



Finger Module B



Finger Module C

CU

Control Unit



LCU-S

Light Control Unit



LCU-H

Light Control Unit



iPCU2

Integrated Passive
Control Unit



ACU2-B

Active
Control Unit



ACU2-H

Active Control Unit



PCU2

Passive Control Unit

AF

Assembling Fittings



QCM

Quick changer Module



FCM

Flange Connection
Module



RF

Robot flange



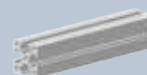
SMP

Slide Mounting Plate



CP

Connector Part



P

Profile



CM

Connection Module



SE

Sensor



PN

Pneumatic Fittings

WC

Workpiece and Condition



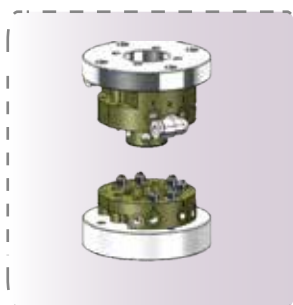
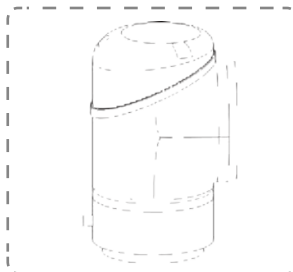
Soft Finger Combination

Standard Rochu Soft finger Combination [GC] is built of different modules and named in a standard way. The building of modules can be in the following steps:

1. Finger Module [FM], 2. Slide Mounting Plate [SMP], 3. Flange Connection Module [FCM], 4. Quick Changer Module [QCM] (Optional)

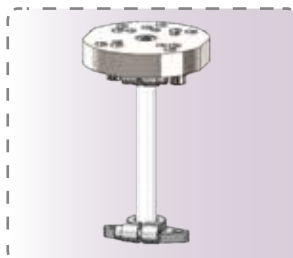


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4 Quick changer module

Quick changer module [QCM] is an optional module for automatic and quick replacement of spare grippers. **Quick changer module [QCM]** is installed between the **flange connection module [FCM]** and the end of the robot arm, it can be divided into two parts, the robot side (R side, installed at the end of the robot arm) and the gripper side (G side, installed at the gripper end).



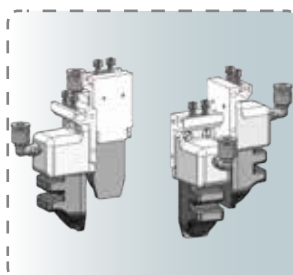
3 Flange connection module

Flange connection module [FCM] is a connector between the end of the robot arm and the **sliding mounting plate [SMP]**. It can also be connected with **quick changer module [QCM]**. There are two types of [FCM], the spring rod type (S) and the rigid rod type (R).



2 Slide Mounting Plate

The **sliding mounting plate [SMP]** is the standard mounting plate for Rochu **finger module [FM]**, and the mounting plate is equipped with a standard chute and scale mark. The installation position and posture angle of the **finger module [FM]** in the chute can be adjusted freely.



1 Finger Module

Finger module [FM] is the actuator of Rochu gripper. According to the finger load capacity, it can be divided into three series, finger A, finger B, finger C. Each module can be installed separately or combined seamlessly, which is easy to assemble and disassemble.

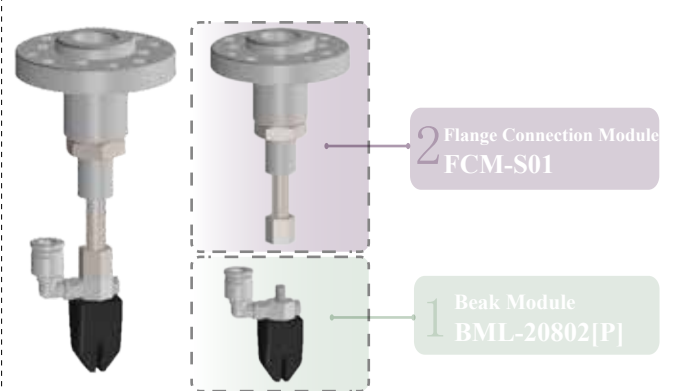
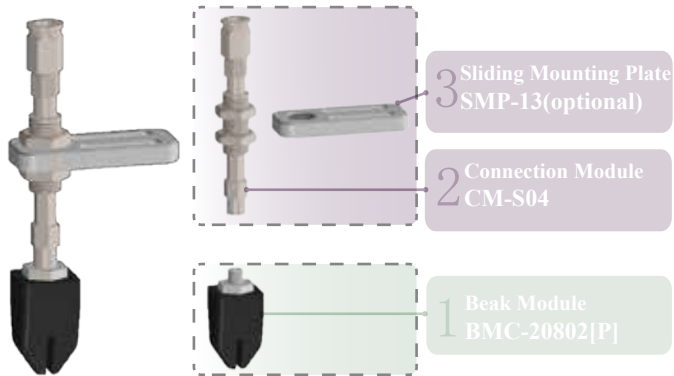
Soft Beak Combination

Standard Rochu beak combination [GC] can be combined in the following order:

1.Beak Module [BM] 2.Connection Module[FCM] / [CM] 3.Sliding Mounting Plate [SMP](optional).



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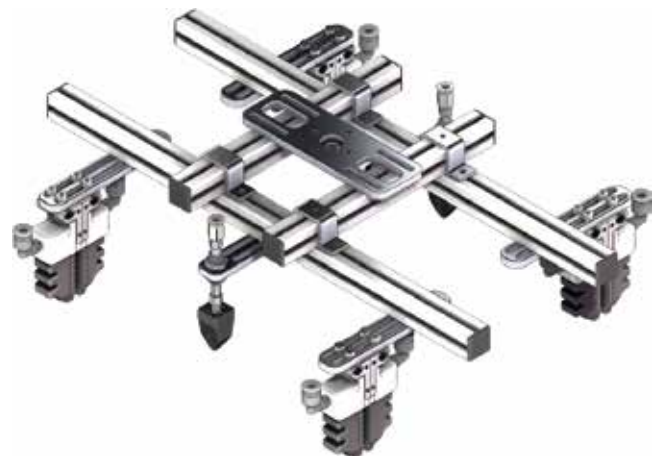
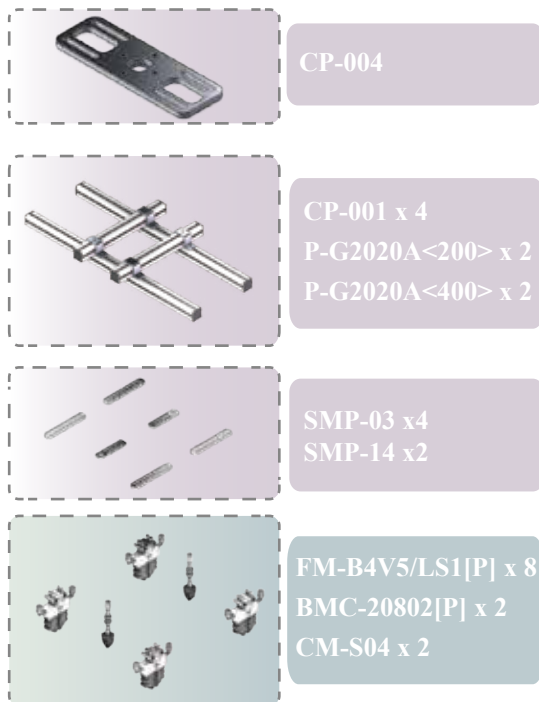


Soft Beak & Finger Combination

- Suitable for products with large volumes or irregular shapes
- Aluminum alloy profiles are used for combination and connection
- Standard Beak Module [BM] or Finger Module [FM] can be installed in any part of the bracket
- Suction cups, sensors, cylinders, or other components can also be added according to the working conditions



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| Product name | Product code | Quantity |
|----------------------|----------------|----------|
| Connection Part | CP-004 | 1 |
| Connection Part | CP-001 | 4 |
| Profile | P-G2020A<200> | 2 |
| Profile | P-G2020A<400> | 2 |
| Slide Mounting Plate | SMP-03 | 4 |
| Slide Mounting Plate | SMP-14 | 2 |
| Soft Beak Module | FM-B4V5/LS1[P] | 8 |
| Soft Finger Module | BMC-20802[P] | 2 |
| Connection Module | CM-S04 | 2 |

WC-1436

CNC blade placement



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| Product name | Product code | Quantity |
|--------------|------------------------|----------|
| Beak Module | BMC-3G20[H]/S+N27[SSD] | 1 |

Quantity

- 1.Soft beak end profiling scheme, with a force control accuracy of 0.1N and no damage to products;
- 2.Compatible with stable grasping for inner diameters of 3~7 mm. No need to switch grippers;
- 3.Simple structure and convenient maintenance.



- 1.After the blade powder is formed, it is taken and placed on a tray. Before sintering, it is fragile and the blade edge cannot be touched;
- 2.Inner diameter is 3~7 mm. The traditional cylinder scheme is difficult to achieve compatibility;
- 3.The handling speed is relatively fast, and there is a high requirement for end stability. Dropped parts may cause damage to the mold.

WC-0836

O-ring internal support



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| Product name | Product code | Quantity |
|-------------------|---------------|----------|
| Beak Module | BMC-3B14[P]/S | 1 |
| Connection Module | CM-S04 | 1 |

- 1.Simple structure saves design costs and has a low transformation cost;
- 2.There are multiple schemes such as internal gripping and gripping of wire diameters to deal with products of different size;
- 3.High discharging precision improves the stability of the sleeve shaft.



- 1.The wire diameter of the O-ring is small, and the cylinder gripper is easy to deform it;
- 2.Ordinary suction cups cannot suck. The design of profiling suction tools is complex and the dropout rate is high;
- 3.The overall weight of the profiling suction tool scheme is large, increasing the load on the robot.

WC-0355

Feeding for fishhook



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| Product name | Product code | Quantity |
|--------------|----------------|----------|
| Beak Module | BMC-2020I[H]/S | 1 |

- 1. Soft beak has its own elastic buffer. The grasping stability is more than 99%, ensuring production efficiency;
- 2.Standard module saves the cost of non-standard design;
- 3.Light in weight, it can be adapted to a flexible feeding station with a small load.



- 1.Fishhooks are small, irregular in shape, and come in a wide variety. After being picked up by a soft vibration method, they are placed in a mold.
- 2.Vacuum suction tools and steel claws cannot stably suck. The design cost is high.
- 3.Products need to be switched frequently, and there is a high requirement for the universality of the end.

WC-1493

3D printed dental models

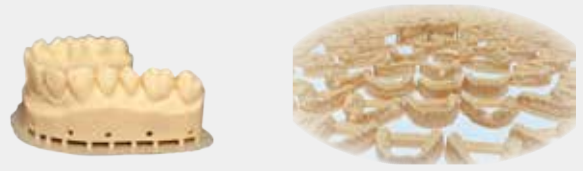


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| Product name | Product code | Quantity |
|--------------|--------------|----------|
| Beak Module | BMC-21413[P] | 1 |

- 1.The soft beak is made of soft material, protecting the product surface and not scratching or deforming it.
- 2.It has strong versatility. There is no need to switch fixtures when grasping dental models of the same type but different sizes.;
- 3.The material is safe and non-toxic and will not cause secondary pollution.



- 1.The application of 3D printing technology in the dental field is mature, such as dental crowns, dental bridges, retainers, etc. After production, they need to be detected.
- 2.The graspable positions of different products are different, and the end fixture needs to have strong versatility.
- 3.There are many materials for dental models and they cannot be scratched or deformed.

WC-1488

FPC detection

(Flexible printed circuit board)



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| Product name | Product code | Quantity |
|--------------|-----------------|----------|
| Beak Module | BMC-20301[LH]/S | 1 |

*For the anti-static version of LH, please consult the customer manager.

- 1. The anti-static soft claw protects the surface of the product and at the same time does not generate electrostatic accumulation and protects the components.
- 2. FPC detection is usually incoming from trays. The slender claw tip of the soft claw can reach into narrow gaps.
- 3. Simple structure, convenient installation and strong versatility.



- 1. The miniaturization of electronic products promotes the size of flexible printed circuit boards to be even smaller and the structure to be more irregular.
- 2. Manual inspection lines urgently need to be transformed into automatic inspection machines.
- 3. Suction cups and steel claws cannot suck or are easy to scratch products.

WC-1490

Internal handling of phone lens rings



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| Product name | Product code | Quantity |
|--------------|---------------|----------|
| Beak Module | BMC-3B13[H]/S | 6 |

- 1. Multiple internal supports are arranged in rows or matrices to meet production efficiency;
- 2. Standardized products, and the grippers are easy to replace and maintain;
- 3. The clamping is stable, the dropout rate is 0, and there is no secondary damage to the product.



- 1. The inner and outer rings of mobile phone cameras are easily scratched. Before assembling the finished product, it is necessary to ensure that there is no dirt.
- 2. It involves PVD coating and loading and unloading processes for inspection. The trays are densely filled with incoming materials and multiple synchronous handling is required.
- 3. Vacuum profiling suction tools are unstable and prone to dropping parts, and the cost is high.

WC-1041

Internal gripping of ceramic rings

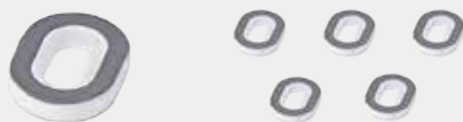


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| Product name | Product code | Quantity |
|--------------|----------------|----------|
| Beak Module | BMC-20603[H]/S | 4 |

- 1. The soft claw has a force control accuracy of 0.1N to ensure a 100% product yield;
- 2. It is small in size and can be transported simultaneously by multiple units, improving efficiency;
- 3. It is a standardized module and is convenient for replacement and maintenance.



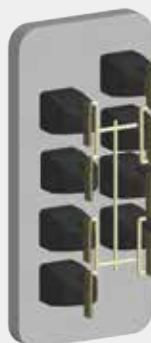
- 1. Alumina ceramic rings are used in power battery connections. After die-casting, they need to be palletized;
- 2. The powder before sintering is fragile and easily damaged, and manual tray placement has been relied on for a long time;
- 3. There are many inner hole sizes, and a certain degree of versatility is required.

WC-1394

Connectors injection molding pick-up



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| Product name | Product code | Quantity |
|--------------|------------------|----------|
| Beak Module | BMC-20802[PAS]/S | 8 |

- 1. The soft beak is small and can be arranged closely. Compared with the vacuum suction tool scheme, it saves design cost and reduces air consumption;
- 2. The force control accuracy is 0.1N, ensuring 100% yield rate and reducing environmental noise;
- 3. The material is high temperature resistant and light in weight, saving the end load.



- 1. After the injection molding of the connector plastic part, it is not completely cooled. The hollow structure is easy to deform. It is difficult to grasp products with a thickness of 1~3 mm;
- 2. In injection molding, there are usually multiple cavities in one mold, and multiple products need to be taken out of the mold simultaneously;
- 3. The suction cup cannot suck stably, and the steel claw will deform it or there is insufficient space for arrangement.

WC-1325

Loading and unloading of cosmetic packaging materials



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| Product name | Product code | Quantity |
|--------------|---------------|----------|
| Beak Module | BMC-4G64[H]/S | 1 |

- 1.The material of the gripper is soft, effectively protecting the product surface;
- 2.With a large stroke and strong versatility, there is no need to frequently switch grippers;
- 3.Standardized module, convenient for installation and maintenance.



- 1.There are many kinds of cosmetic packaging materials with different shapes. The automatic filling line needs a certain degree of versatility;
- 2.The surface requirements are high and it cannot be scratched or secondary polluted;
- 3.Traditional fixtures and suction tools cannot meet versatility.

WC-1453

Packing spandex paper tubes



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| Product name | Product code | Quantity |
|--------------|---------------|----------|
| Beak Module | BMC-4B70[P]/S | 25 |

- 1.The material of the soft claw is soft and will not damage the tape paper core, ensuring 100% production yield.
- 2.The soft claw has a simple structure and is small in size. Dozens of them can be arranged closely, greatly ensuring the packing efficiency and helping the production capacity reach 2-3 million pieces per day.
- 3.The grippers have high consistency in opening and closing, which can ensure the stability of multiple synchronous gripping.



- 1.The packing link of spandex paper tubes has long relied on a large number of manual labor. For the automated transformation, in order to ensure the packing efficiency, the entire layer (dozens of them) needs to be clamped simultaneously.
- 2.Suction cups cannot suck. Rigid profiling grippers are too large in structure to be arranged in a close matrix.

WC-1460

Packaging cheesecakes



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| Product name | Product code | Quantity |
|---------------|----------------|----------|
| Finger Module | FM-A3V5/U30[P] | 2 |

- 1.The material of the soft claw is soft and will not scratch the product. It is food-grade, safe and non-toxic.
- 2.The special wide finger surface will not leave marks on the cake surface, and the yield rate is 99.99%.
- 3.The cycle time is 50-60 pieces/min. It can be produced 24 hours a day, improving production and management efficiency.



- 1.In an automated cake production line, there are corresponding automatic production equipment for previous processes (such as whipping and baking). Due to the soft and easily deformed cake, the boxing process can only be completed by a large number of manual labor.
- 2.Suction cups and rigid grippers are easy to damage the product by suction or clamping, or the efficiency is too low.

WC-1390

Packaging mooncakes



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| Product name | Product code | Quantity |
|---------------|----------------|----------|
| Finger Module | FM-B3V5/LSI[P] | 4 |

- 1.Soft food-grade material, will not scratch the product, safe and non-toxic;
- 2.Modular design for convenient maintenance;
- 3.The cycle time is 50-60 pieces/min. It can be produced 24 hours a day, improving production and management efficiency.



- 1.Mooncakes are soft and oily on the surface and are easily deformed. Picking marks on the surface are not acceptable;
- 2.The previous grasping cycle requires a high speed. The subsequent packaging has placement requirements;
- 3.Neither suction cups nor rigid grippers can meet the requirements of automated packaging.

WC-1489

Loading and unloading of automobile lamp shades



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| Product name | Product code | Quantity |
|-------------------|------------------|----------|
| Finger Module | FM-A8V5/LS8[HAS] | 8 |
| Accessory Package | PK-AV5 | 8 |

- 1.The flexible gripper does not touch the surface of the product and will not scratch or cause dirt. The yield rate is 100%;
- 2.It has a large compatibility range. For left-right symmetrical lamp shades, there is no need to switch fixture;
- 3.The entire set of fixtures is light in weight and saves end load.



- 1.After the automobile lamp shade is painted and dried, annealing treatment is required to increase the strength, and the product surface cannot be touched;
- 2.The design cost of non-standard rigid fixtures is high, and they are easy to scratch the surface and form dirt;
- 3.Automobile lamp products are usually produced in small batches and multiple batches, and non-standard fixtures have high inventory pressure.

WC-1435

Stratification of lead frame.



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| Product name | Product code | Quantity |
|----------------------|----------------|----------|
| Finger Module | FM-B3V3/AC1[P] | 4 |
| Connector Part | CP-ACB | 4 |
| Slide Mounting Plate | SMP-2L | 2 |

- 1.The modular flexible finger solution has a simple structure, can quickly build a stratification solution, and has strong versatility;
- 2.The specially made AC1 flexible finger with embedded rigid skeleton has higher wear resistance, and the service life in this scenario can be increased by 2 to 3 times;
- 3.With the flexible finger rotating connection module, the success rate of single-layer splitting can reach 99.99%.



- 1.The lead frame is the chip carrier of an integrated circuit. It is stamped into an extremely thin and hollow structure. For multi-layer incoming materials, single-layer splitting needs to be done;
- 2.Suction cups can cause missed suction and dropped parts or carry materials. Rigid grippers can cause large deformation.
- 3.The extremely thin thickness of 0.2mm is a great challenge to the service life of the flexible gripper.

WC-1492

Handling of glass panels.

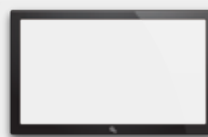


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| Product name | Product code | Quantity |
|----------------|-----------------|----------|
| Finger Module | FM-C4V2/LS8[H] | 4 |
| Connect Module | SMP-01 | 4 |
| Control Unit | iPCU2-HMN_V2.72 | 1 |

- 1.The soft finger series features modular design, simple structure and light weight;
- 2.The clamping force is precisely controllable. With the LS8 flexible finger texture, the glass surface will not be touched during clamping, which is stable and reliable;
- 3.Combined with the sliding mounting plate, it can be compatible with various specifications of panels.



- 1.After the glass panel is laminated, the surface cannot be touched;
- 2.The structure of the non-standard profiling gripper of the cylinder is complex and the cost is high;
- 3.There are many sizes, and the end fixture is required to be universal.

WC-1491

Stratification of clothing cut pieces



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| Product name | Product code | Quantity |
|--------------------------|---------------|----------|
| Beak Module | B-H5024[P]S | 6 |
| Connector Part | CM-S04 | 6 |
| Slide Mounting Plate | SMP-14 | 6 |
| Flange Connection Module | FCM-R03 | 1 |
| Profile | P-G2020A<500> | 2 |
| Profile | P-G2020A<300> | 1 |
| Connector Part | CP-001 | 2 |
| Rotary Joint | CM-RC14WS! | 6 |

- 1.The "Soft Boot" gripper can achieve precise stratification through pneumatic adjustment, has no requirements for environmental temperature and humidity, and does not damage the fabric;
- 2.The "Soft Boot" gripper can adapt to fabrics of different materials and thicknesses;
- 3.The unique structural design ensures a blanking accuracy of 0.05mm.



- 1.The clothing industry relies heavily on manual labor and has an extremely high demand for automation;
- 2.In the clothing industry, there are multiple layers of incoming cut pieces, which are soft, breathable and come in many varieties;
- 3.The separation of single cut pieces has always been a difficult problem in the industry.

DK

Development Kit



Beak kit



All-purpose kit

DK-1.30 Soft Beak Expansion Kit



DK-1.30 Soft Beak Expansion Kit

- Used for 0-55mm small and micro workpiece grip or internal support ;
- Contains 32 types of soft beaks and 4 types of connecting rods;
- Applicable industries: flexible feeding station, testing equipment, injection molding blanking, etc.

DK-1.30 Soft Beak Expansion Kit



B-2G1217[H]/SN B-20006[P] B-2G1012[H]/SN B-2G1211[H] B-20802[P] B-20603[H]/S B-20301[H]/S B-2V0401[P]/S B-2051D5[P]/S B-20201[H]/S

B-3B08[H]/S B-3C12[H]/S B-3B10[H]/S B-3G20[H]/S B-3B14[P]/S B-3B12[H]/S B-4H18[H]/S B-3C24[H]/S B-21413[P] B-2G1624[HB]/S

B-2G1622[H]/SN B-2G2027[H]/SN B-2G2032[H]/SN B-2G2037[H]/SN B-2G2042[H]/SN B-2G2052[H]/SN

B-4G64[H]/S B-4G51[H]/SN B-4G44[H]/S B-4G34[H]/SN B-4G27[H]/SN B-4G22[H]/SN

Soft Beak X32




PN-LW18W18 PN-LW5D11 PN-LW5W18 PN-LW5W5

Bar member X4



CM-RM525M5 CM-S04 CM-S01

Rod components X3



BOX X1 DK-1.30 Outer Box

Application case



DK-1.31 Soft Beak Expansion Kit



DK-1.31 Soft Beak Expansion Kit

- Used for 0-55mm small and micro workpiece grip or internal grip;
- Contains 40 types of soft beaks and 4 types of connecting rods;
- Applicable industries: flexible feeding station, testing equipment, injection molding blanking, etc.

DK-1.31 Soft Beak Expansion Kit



Soft Beak X 40



Rod components X4



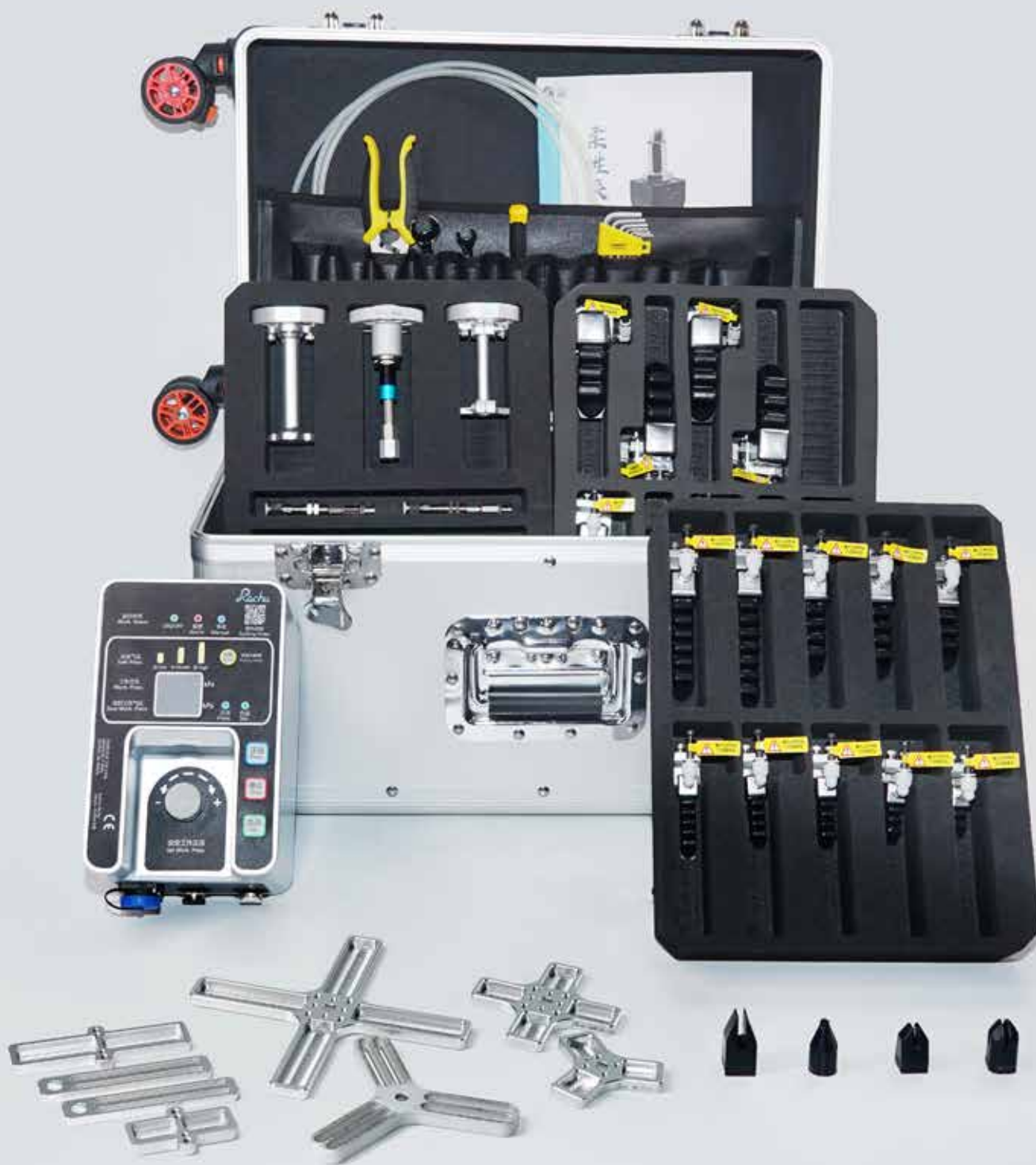
Box X1

DK-1.31 Outer Box

Application case



DK-2.0 Omnipotence Kit



DK-2.0 Omnipotence Kit

- Contains a full range of Rochu grippers from beaks to fingers;
- Can be used without additional accessories and tools. Modules can be assembled and tested quickly in minutes;
- Contains a standard plug-and-play control unit that can be driven by compressed air or power;
- It can be used for the food fresh, 3C electronic parts, clothing fabrics, and auto parts industry, etc.

DK-2.0 Omnipotence Kit



Finger Module X22 The actual number of soft finger models can be matched according to actual requirements



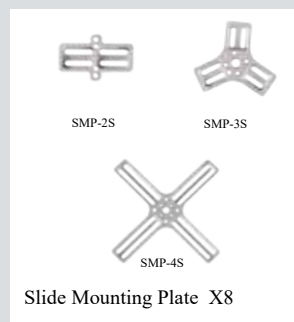
Parts kit X1



Tools kit X1



Connection Modules X6



Slide Mounting Plate X8



Beak Module X4



iPCU2-SMN Integrated Passive Control Unit
Control Unit X1

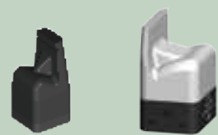


OP-07
Trolley case X1



BM / B

Beak Module/ Soft Beak



Unicuspid Soft Beak



Bicuspid Soft Beak



Tricuspid Soft Beak



Quadricuspid Soft Beak




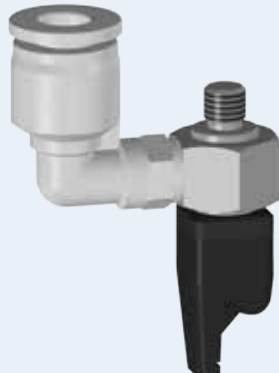
Soft Anemone



Soft Boots

Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-1G071010[P]/S Straight Fitting Normal Materia | | BML-1G071010[P]/S Side Fitting Normal Materia | |  |
| | BMC-1G071010[PAS]/S Straight Fitting Dust-free Normal Material | | BML-1G071010[PAS]/S Side Fitting Dust-free Normal Material | | |
| | BMC Weight 4g | | BML Weight 15.5g | | |

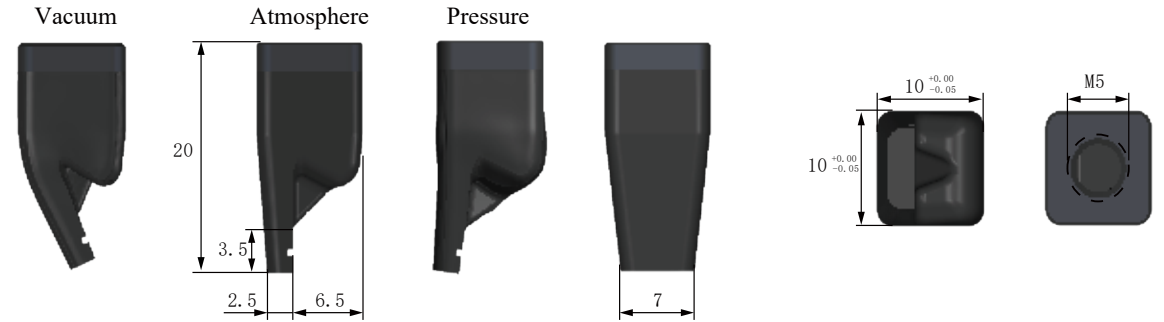
Paremeter

| | | | | | | | |
|-------------------------|----|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | — | Gripping force | 0-0.7N | Theoretical gripping load** | 0-17g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

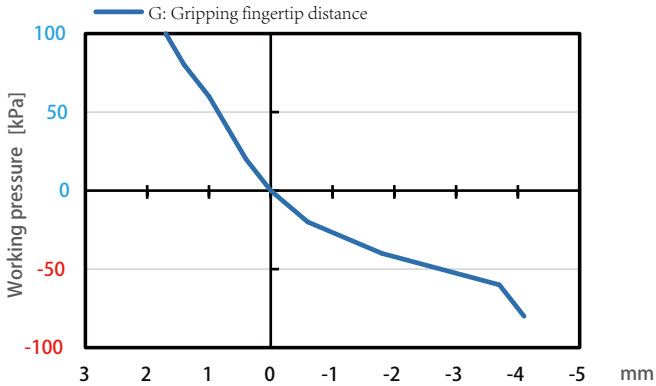
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

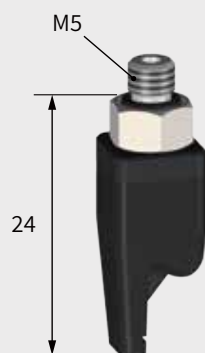


Installation

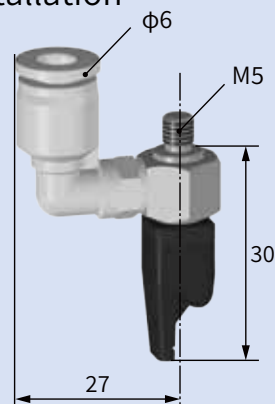
BMC Straight Fitting Installation



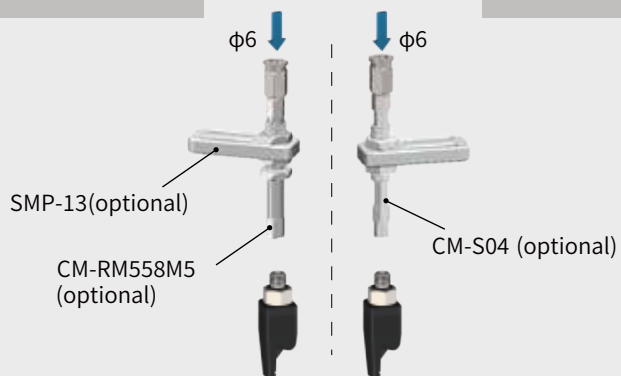
Scan to watch videos



BML Side Fitting Installation

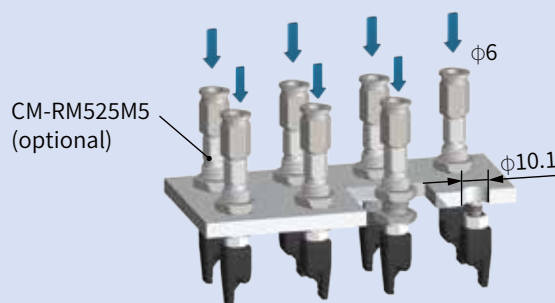


Rigid Connection Installation

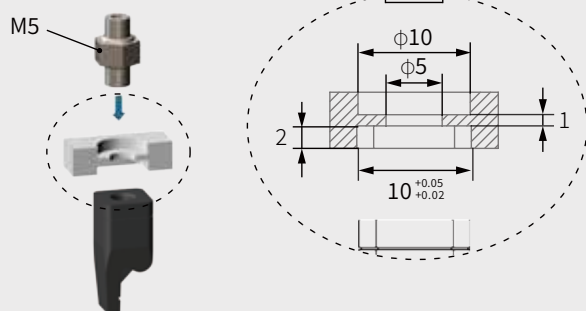


Buffer Installation

Matrix Installation


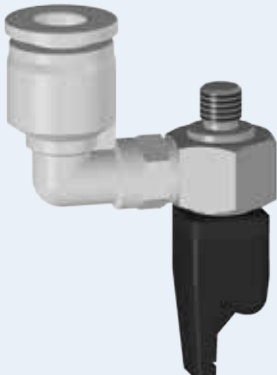


Precise Positioning Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LPAS] is preferred

| | | | | | |
|---|---|---|---|--|-------|
|  | BMC-1G071010[LP]/S Straight Fitting Anti-static Normal Material | BML-1G071010[LP]/S Side Fitting Anti-static Normal Material |  | | |
| | BMC-1G071010[LPAS]/S Straight Fitting Anti-static Dust-free Normal Material | BML-1G071010[LPAS]/S Side Fitting Anti-static Dust-free Normal Material | | | |
| BMC Weight | | 4g | BML Weight | | 15.5g |

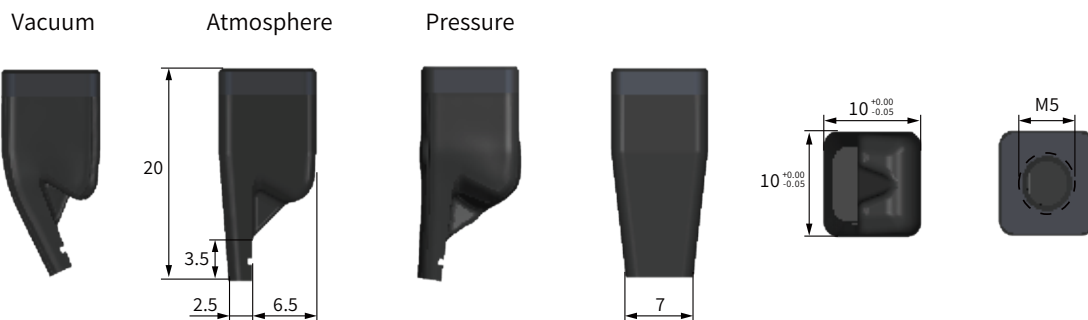
Parameter

| | | | | | | | |
|-------------------------|----|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | — | Gripping force | 0-0.7N | Theoretical gripping load** | 0-17g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

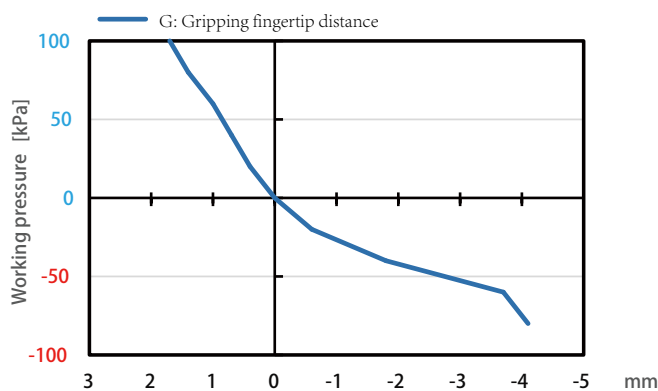
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

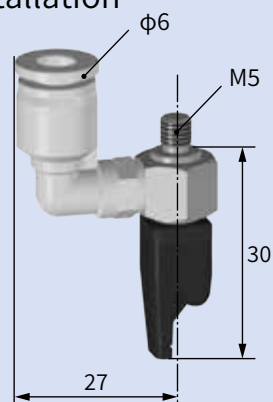
BMC Straight Fitting Installation



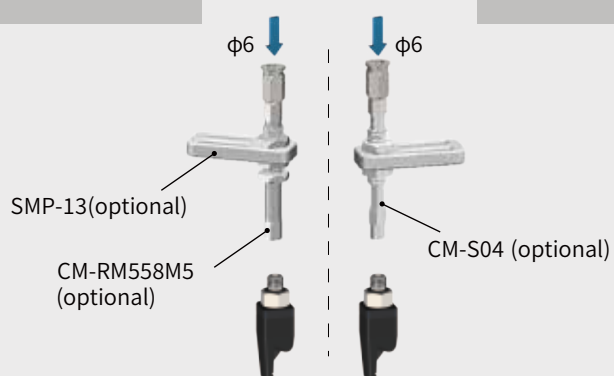
Scan to watch videos



BML Side Fitting Installation

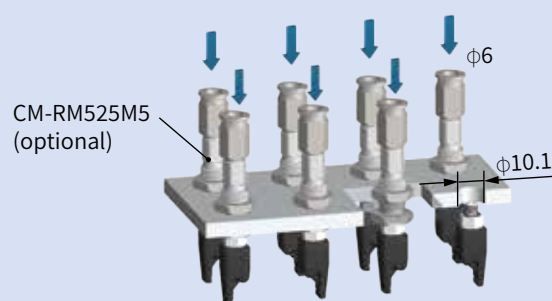


Rigid Connection Installation

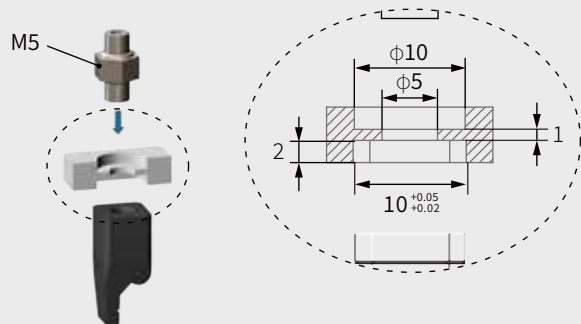


Buffer Installation

Matrix Installation



Precise Positioning Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | |
|---|---|---|---|
|  | BMC-1G122018[H]/SN Straight Fitting Strengthen Materia | BML-1G122018[H]/SN Side Fitting Strengthen Materia |  |
| | BMC-1G122018[HAS]/SN Straight Fitting Dust-free Strengthen Materia | BML-1G122018[HAS]/SN Side Fitting Dust-free Strengthen Materia | |
| BMC Weight | | BML Weight | |
| 6.9g | | 17.6g | |

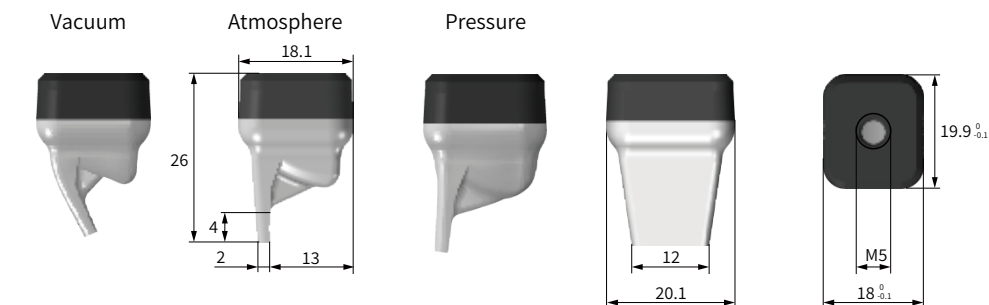
Parameter

| | | | | | | | |
|-------------------------|----|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-2.5N | Theoretical gripping load** | 0-62g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <140kPa |

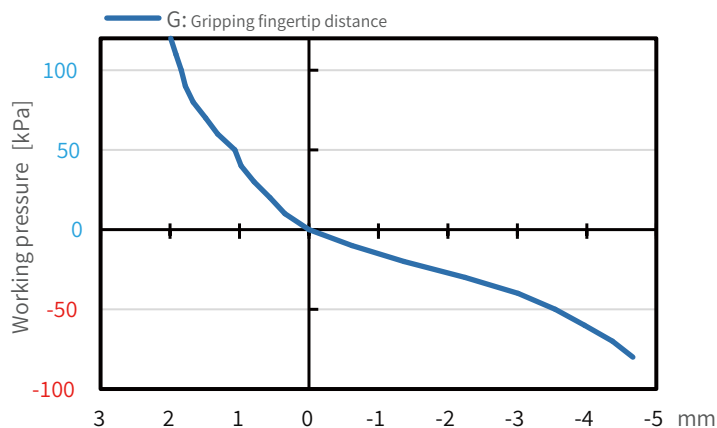
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**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

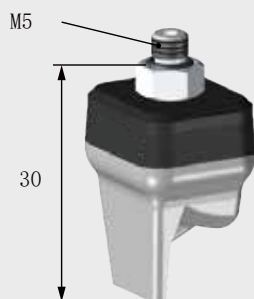


Installation

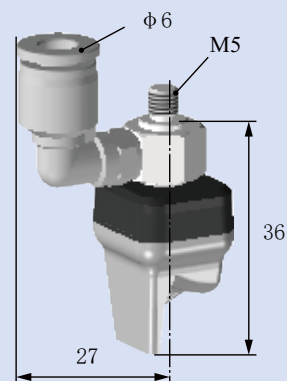
BMC Straight Fitting Installation



Scan to watch videos

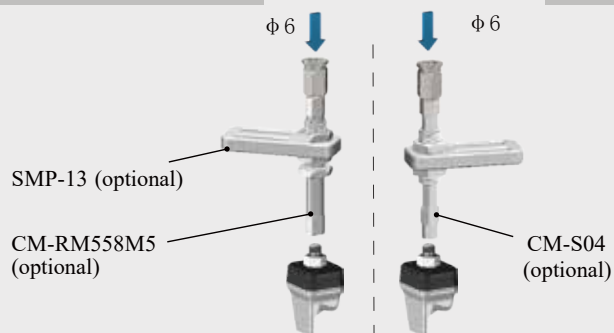


BML Side Fitting Installation

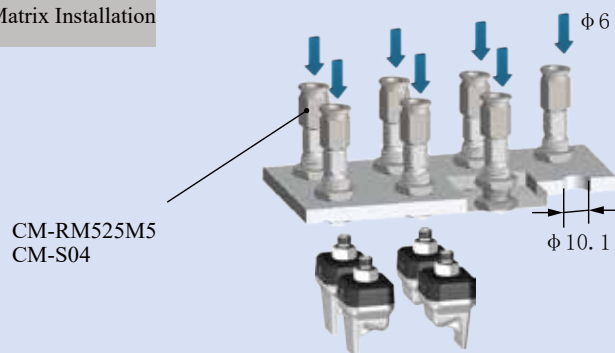


Rigid Connection Installation

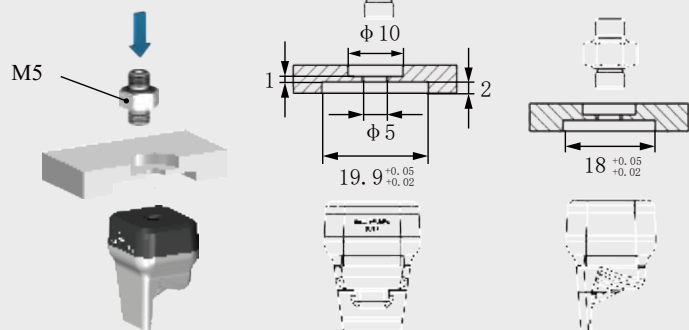
Buffer Installation



Matrix Installation

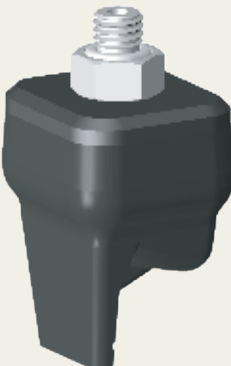
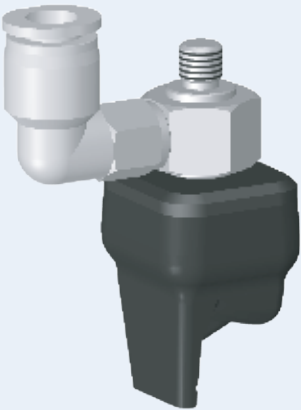


Precise Positioning Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LPAS] is preferred

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-1G122018[LH]/SN Straight Fitting Anti-static Normal Materia | | BML-1G122018[LH]/SN Side Fitting Anti-static Normal Materia | |  |
| | BMC-1G122018[LHAS]/SN Straight Fitting Anti-static Dust-free Normal Materia | | BML-1G122018[LHAS]/SN Side Fitting Anti-static Dust-free Normal Materia | | |
| | BMC Weight | | 6.9g | BML Weight | |

Parameter

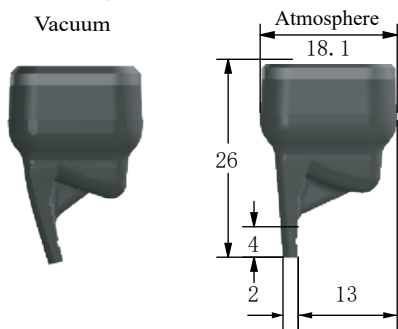
| | | | | | | | |
|-------------------------|----|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-2.5N | Theoretical gripping load** | 0-62g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

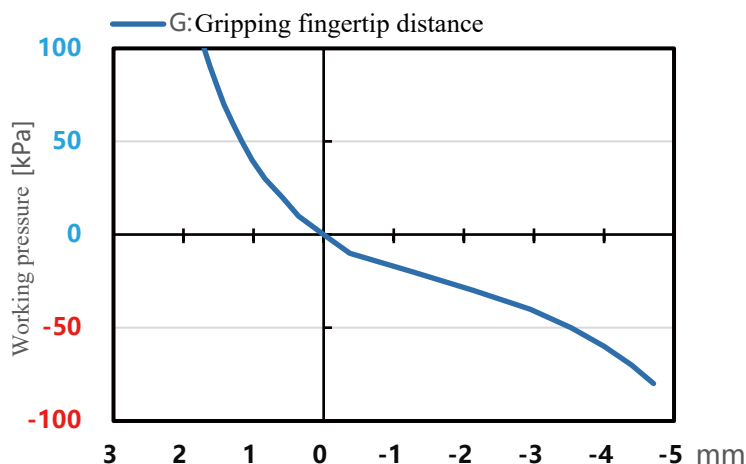
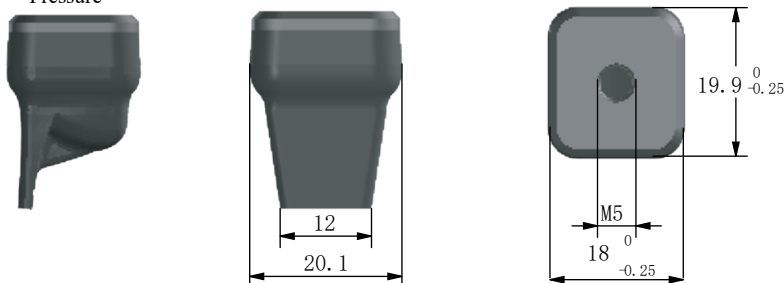
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***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

Vacuum



Pressure

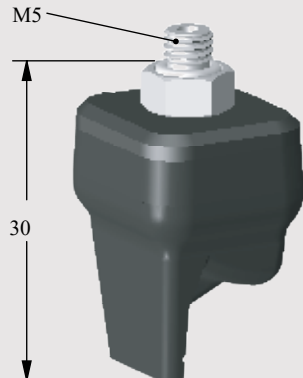


Installation

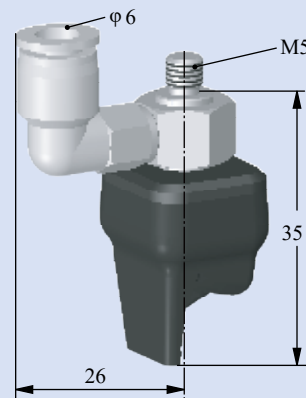
BMC Straight Fitting Installation



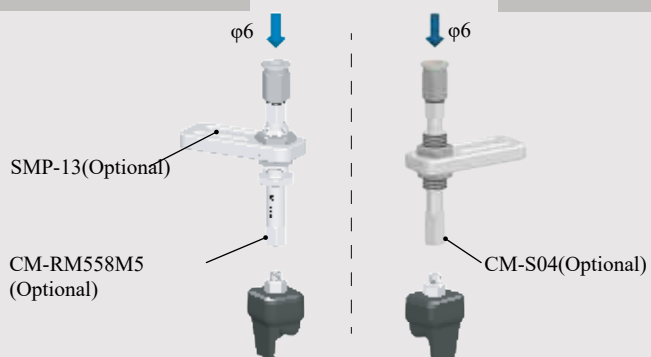
Scan to watch videos



BML Side Fitting Installation

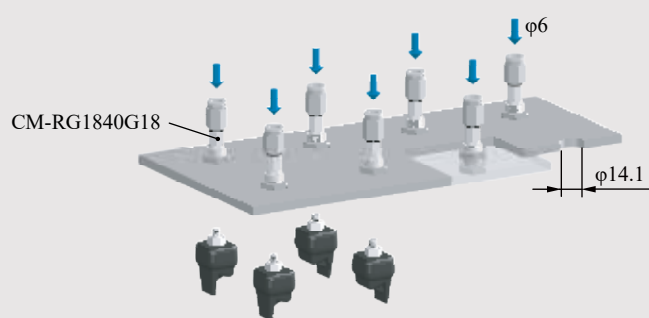


Rigid Connection Installation

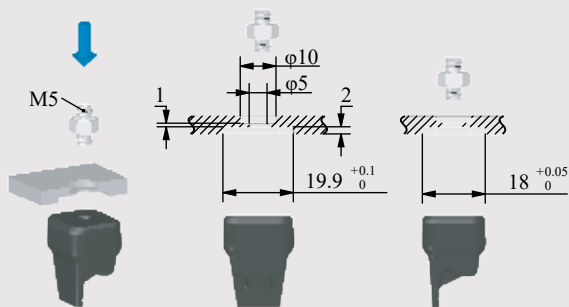


Buffer Installation

Matrix Installation


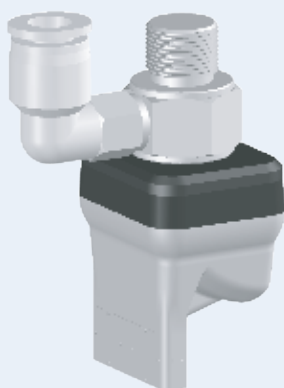


Precise Positioning Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-------|--|--|---|
|  | BMC-1G2521[H]/SN Straight Fitting Strengthen Materia | | BML-1G2521[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-1G2521[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-1G2521[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 15.7g | BML Weight | | 29.7g |

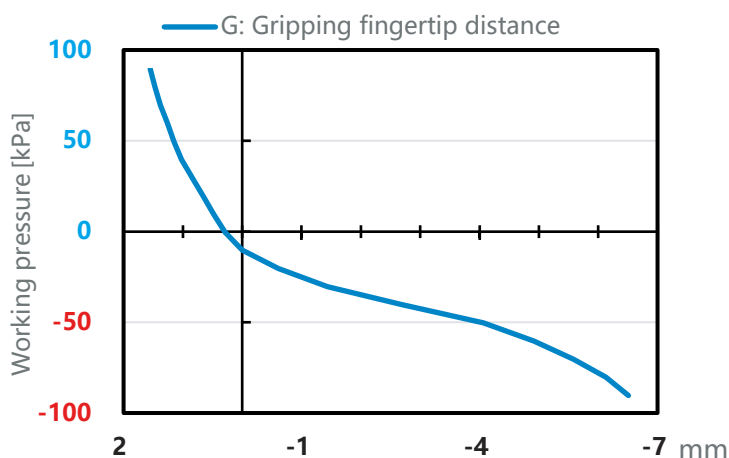
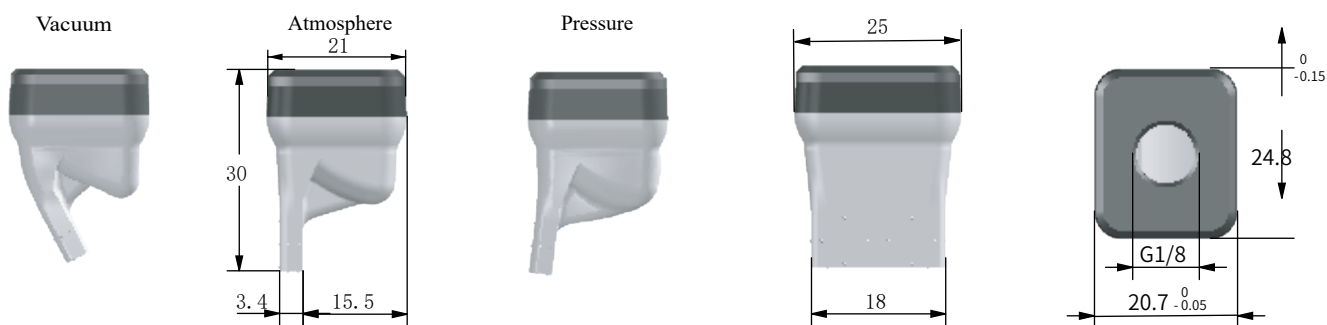
Parameter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-5.5N | Theoretical gripping load** | 0-138g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

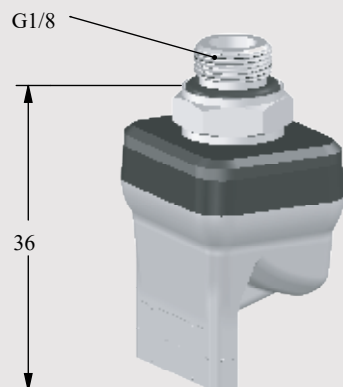


Installation

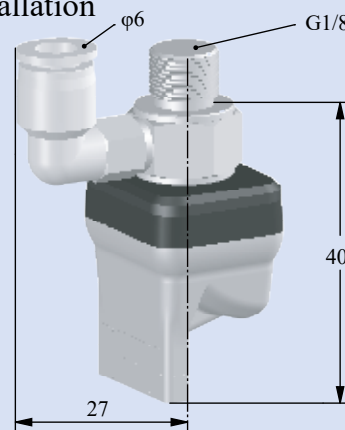
BMC Straight Fitting Installation



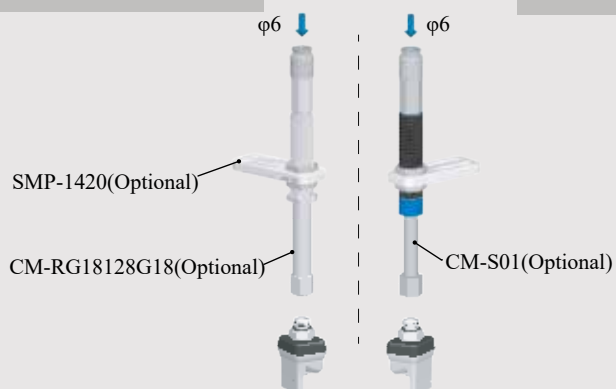
Scan to watch videos



BML Side Fitting Installation

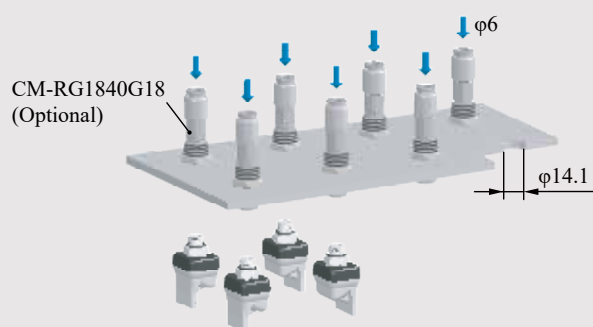


Rigid Connection Installation

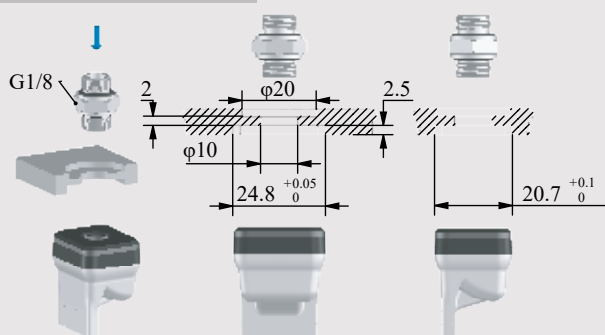


Buffer Installation

Matrix Installation

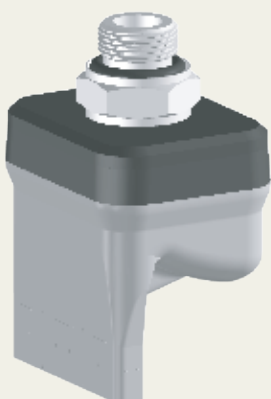
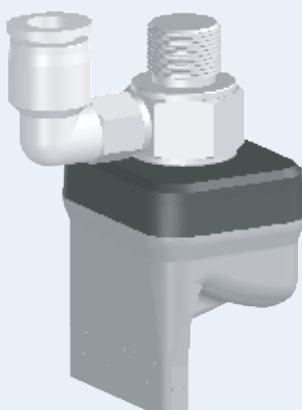


Precise Positioning Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-------|--|--|---|
|  | BMC-1G3024[H]/SN Straight Fitting Strengthen Materia | | BML-1G3024[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-1G3024[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-1G3024[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 17.3g | BML Weight | | 31.3g |

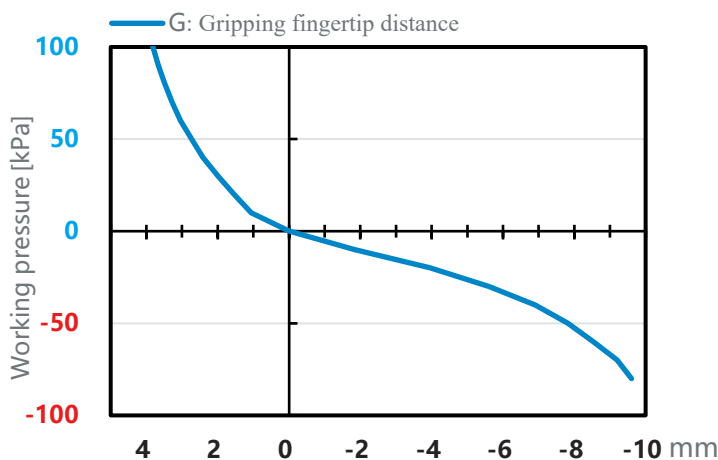
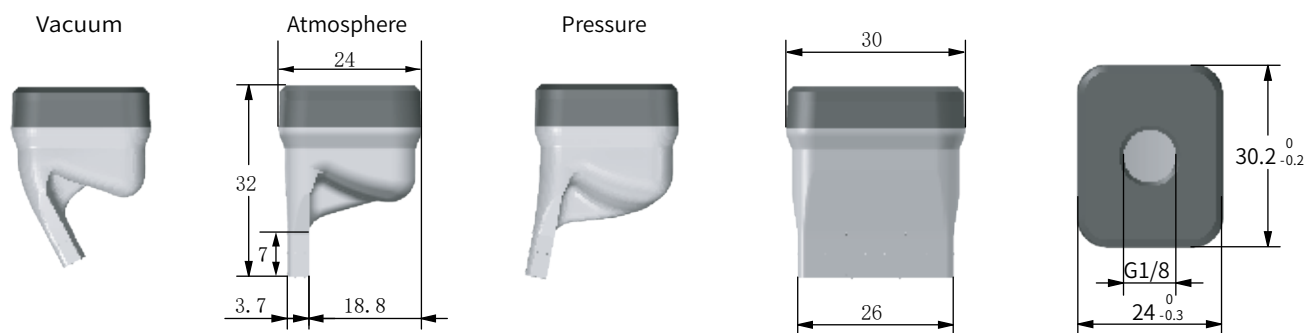
Parameter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-8.6N | Theoretical gripping load** | 0-215g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

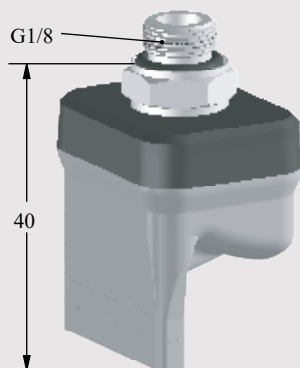


Installation

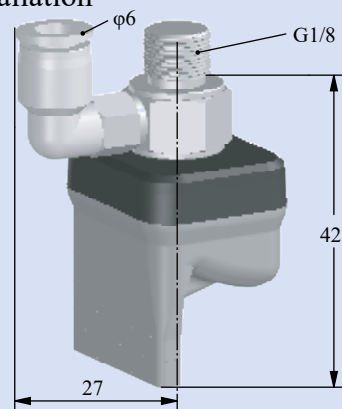
BMC Straight Fitting Installation



Scan to watch videos



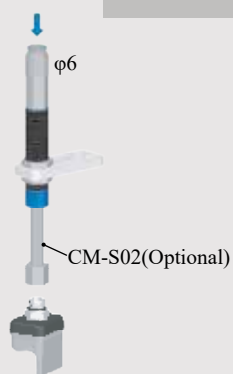
BML Side Fitting Installation



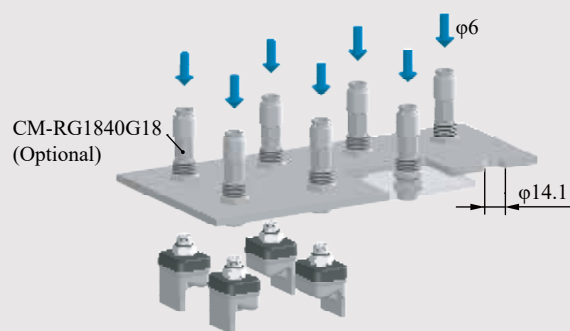
Rigid Connection Installation



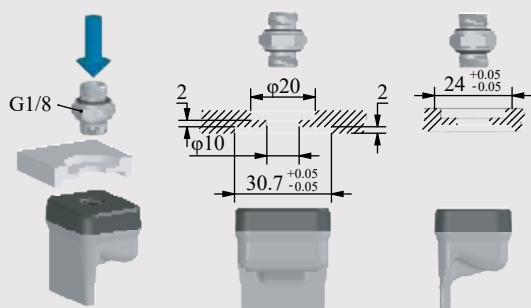
Buffer Installation



Matrix Installation

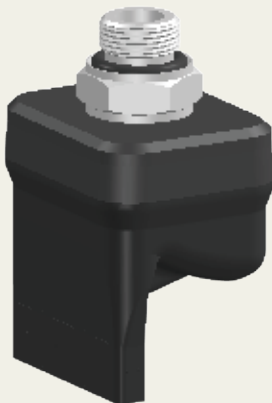
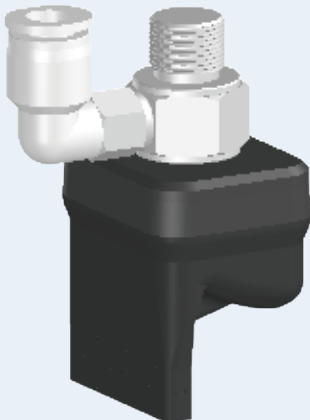


Precise Positioning Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LPAS] is preferred

| | | | | | |
|---|---|-------|---|--|---|
|  | BMC-1G3024[LH]/SN Straight Fitting Anti-static Normal Material | | BML-1G3024[LH]/SN Side Fitting Anti-static Normal Material | |  |
| | BMC-1G3024[LHAS]/SN Straight Fitting Anti-static Dust-free Normal Material | | BML-1G3024[LHAS]/SN Side Fitting Anti-static Dust-free Normal Material | | |
| BMC Weight | | 17.3g | BML Weight | | 31.3g |

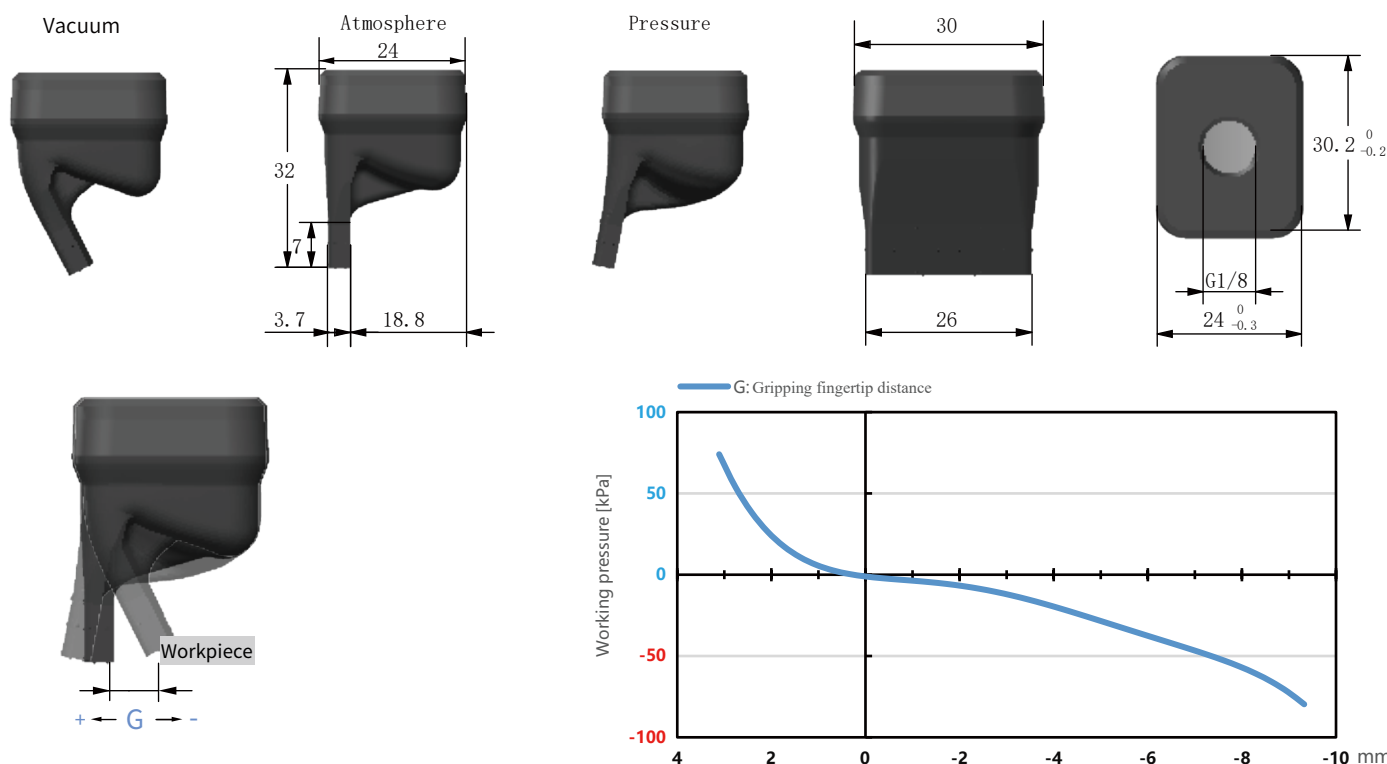
Parameter

| | | | | | | | |
|-------------------------|------|-------------------------|------------------|--------------------------------------|--------|---|--------|
| Gripping range | — | Gripping force | 0-8.3N | Theoretical gripping load** | 0-208g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

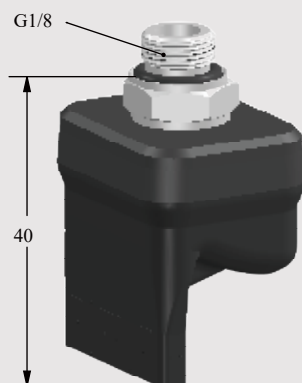
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

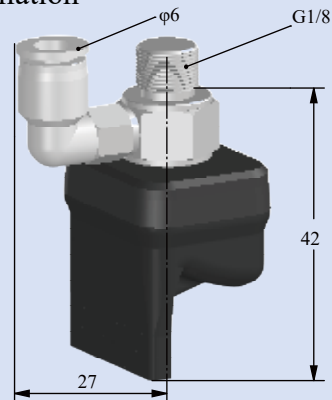


Installation

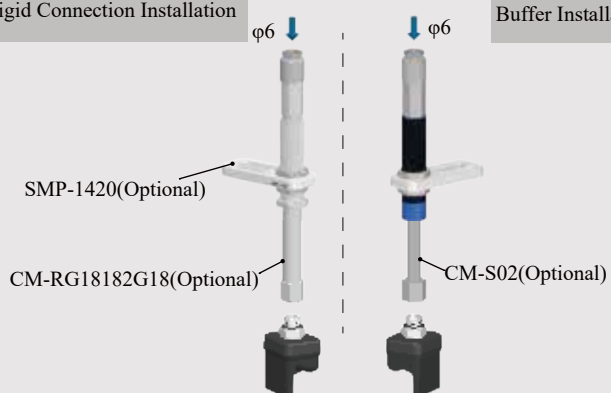
BMC Straight Fitting Installation



BML Side Fitting Installation

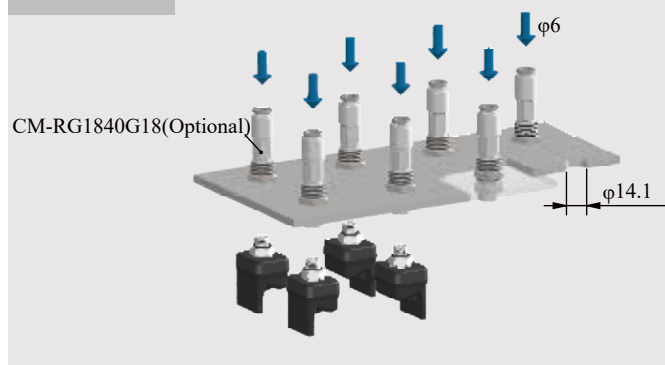


Rigid Connection Installation

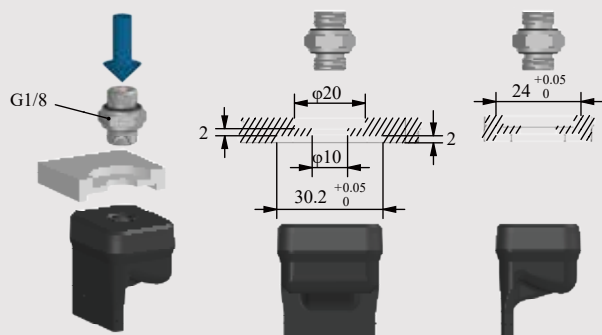


Buffer Installation

Matrix Installation


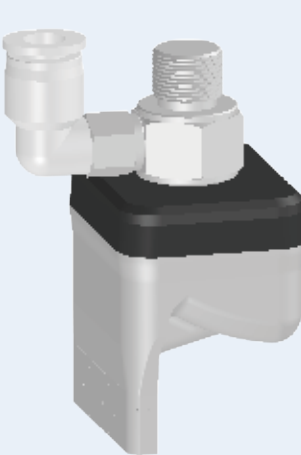


Precise Positioning Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|--|--|-------|--|--|---|
|  | BMC-1G3527[H]/SN Straight Fitting Strengthen Materia | | BML-1G3527[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-1G3527[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-1G3527[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 23.6g | BML Weight | | 37.6g |

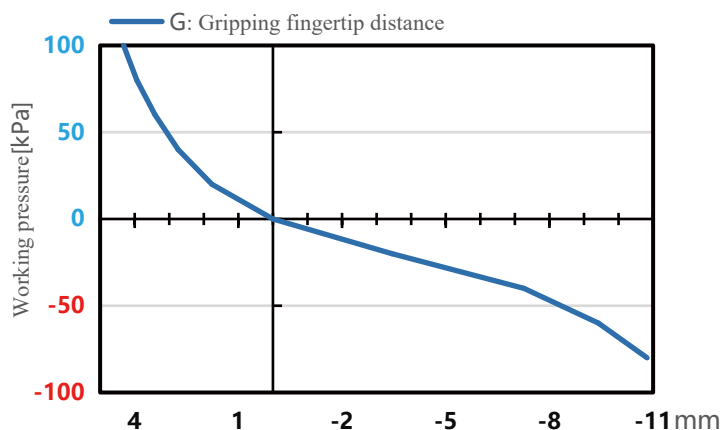
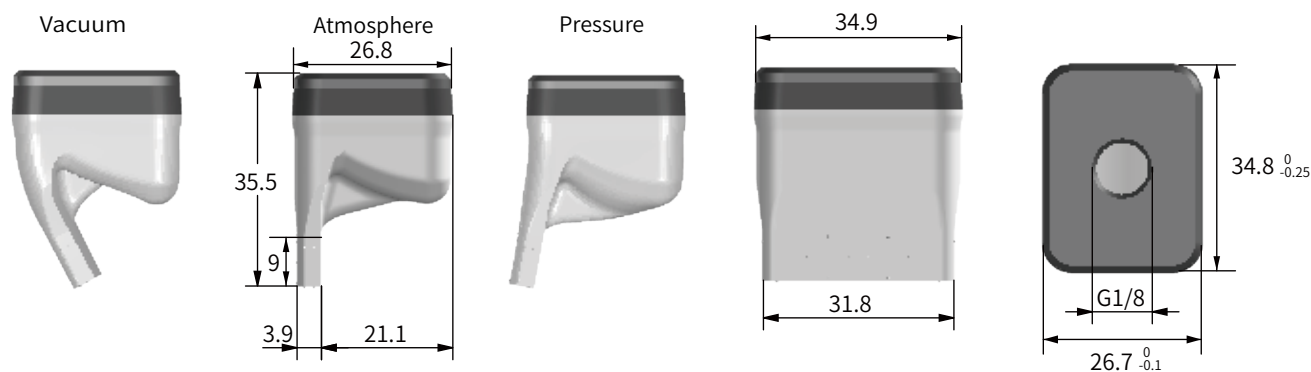
Paremeter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-3.8N | Theoretical gripping load** | 0-95g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

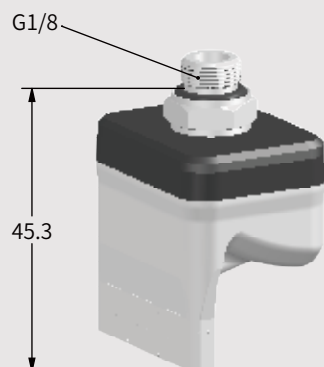


Installation

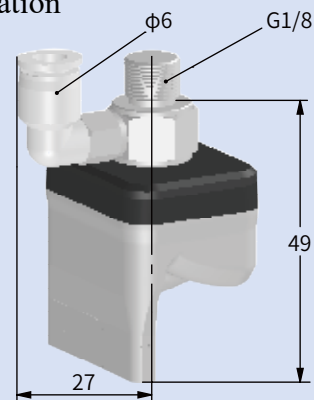
BMC Straight Fitting Installation



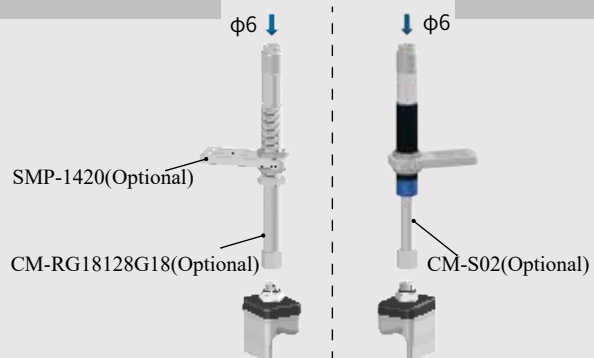
Scan to watch videos



BML Side Fitting Installation

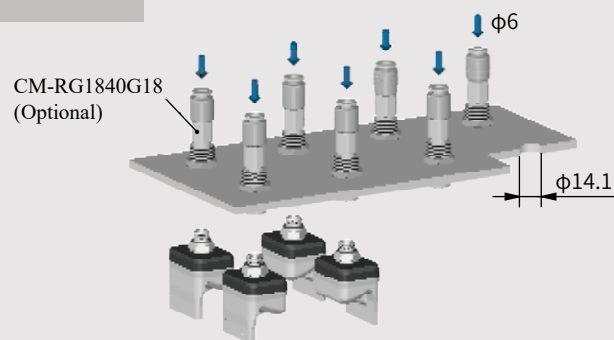


Rigid Connection Installation

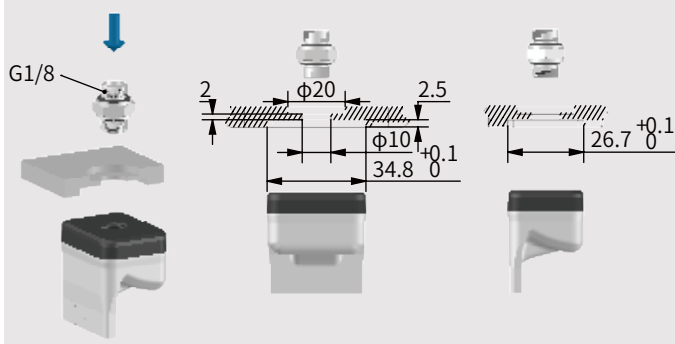


Buffer Installation

Matrix Installation



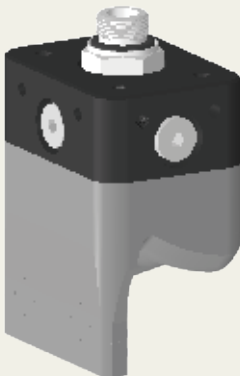
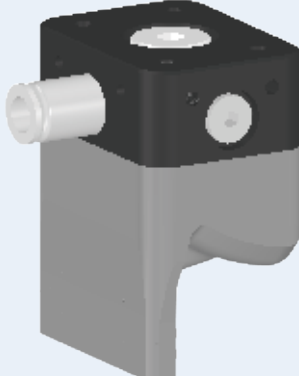
Precise Positioning Installation



B-1G3527[H]/SN

Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-1G4030[H]/M Straight Fitting Strengthen Materia | | BML-1G4030[H]/M Side Fitting Strengthen Materia | |  |
| | BMC-1G4030[HAS]/M Straight Fitting Dust-free Strengthen Materia | | BML-1G4030[HAS]/M Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 78g | BML Weight | |

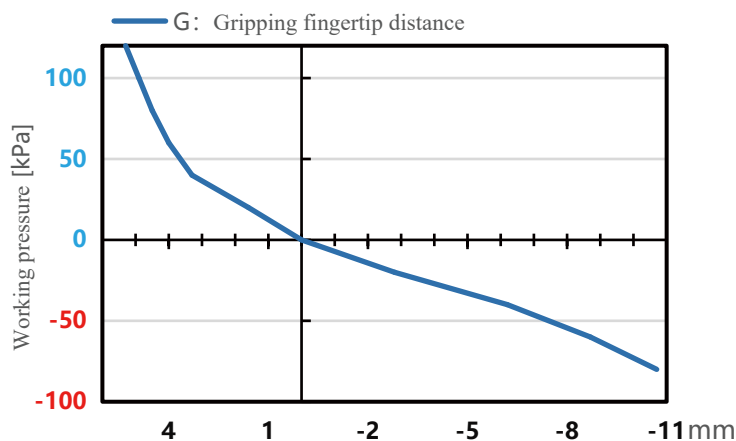
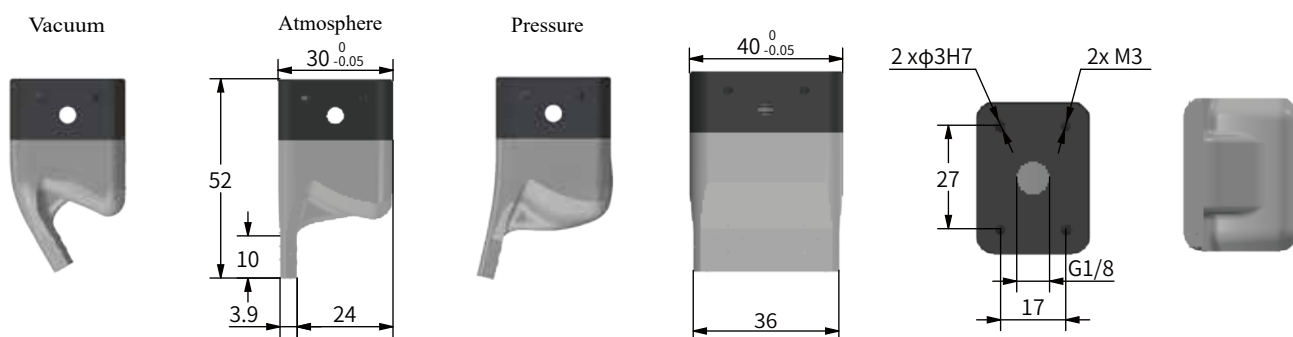
Parameter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-14.2N | Theoretical gripping load** | 0-354g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

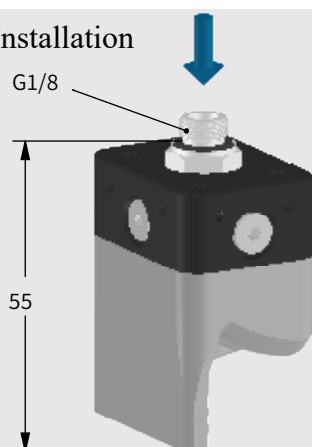


Installation

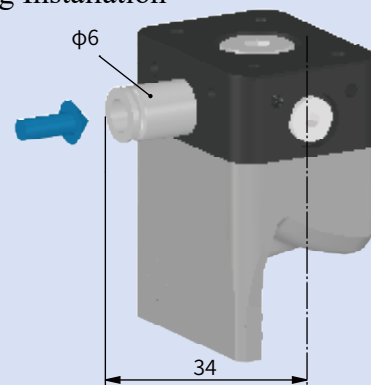
BMC Straight Fitting Installation



Scan to watch videos



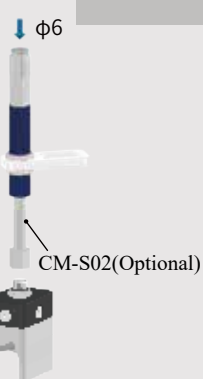
BML Side Fitting Installation



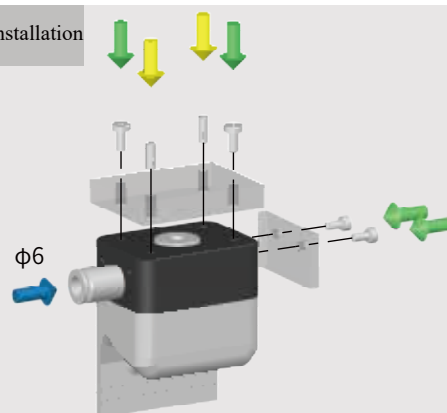
Rigid Connection Installation



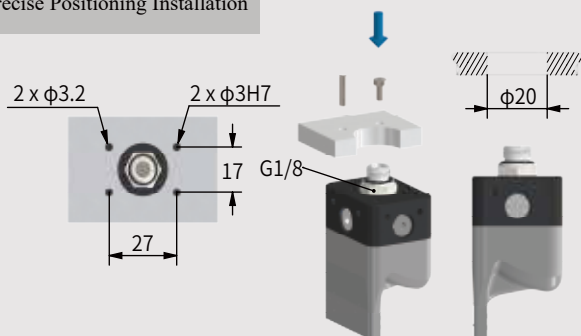
Buffer Installation



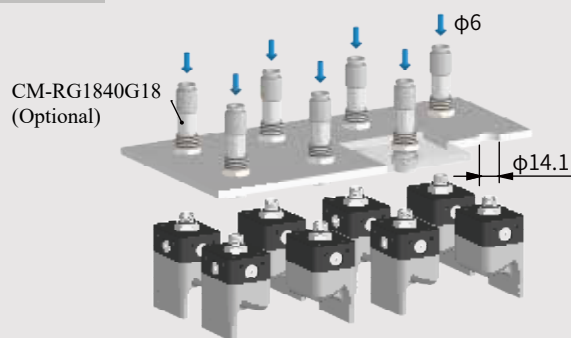
Side Access Partition Installation



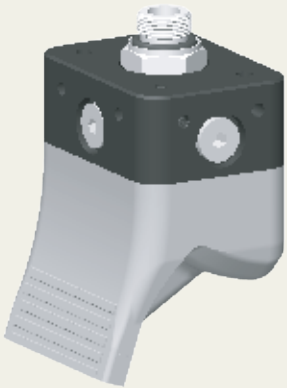
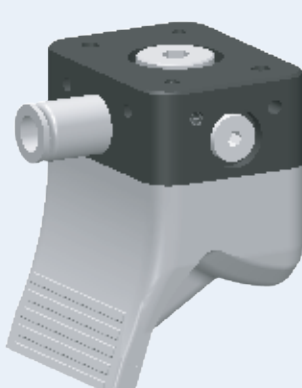
Precise Positioning Installation



Matrix Installation



Product features

| | | | | | |
|---|---|-------|---|-------|---|
|  | BMC-1U4030[H]/M Straight Fitting Strengthen Materia | | BML-1U4030[H]/M Side Fitting Strengthen Materia | |  |
| | BMC-1U4030[HAS]/M Straight Fitting Dust-free Strengthen Materia | | BML-1U4030[HAS]/M Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | 74.2g | BML Weight | 73.1g | |

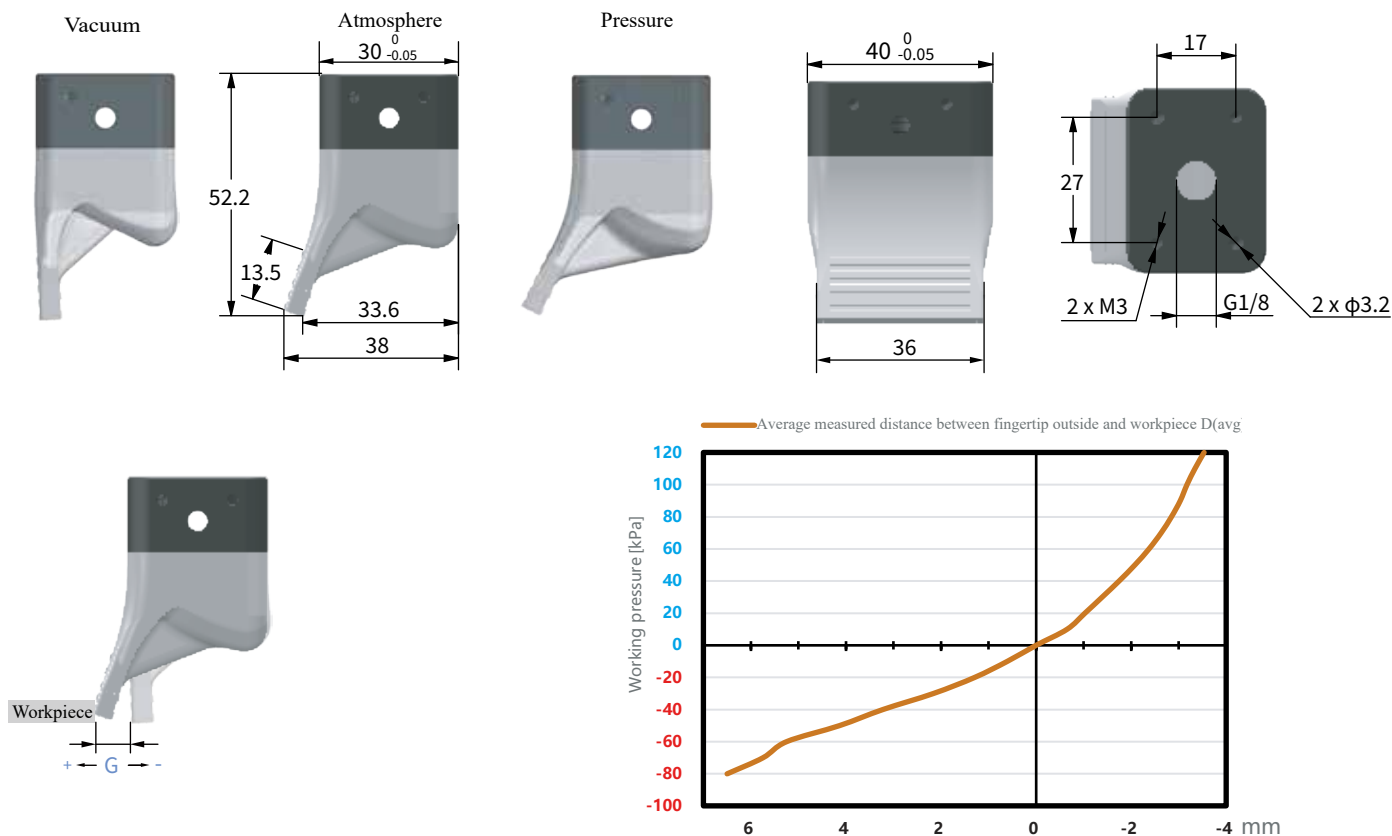
Parameter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|---------|---|---------|
| Gripping range | — | Gripping force | | Theoretical gripping load** | | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | 0-46.4N | Theoretical internal gripping load** | 0-1160g | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

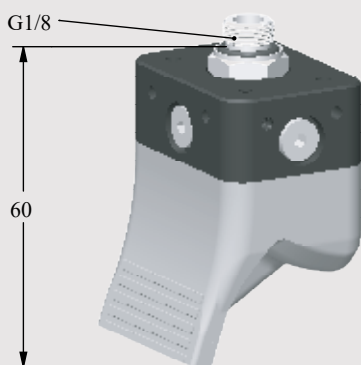


Installation

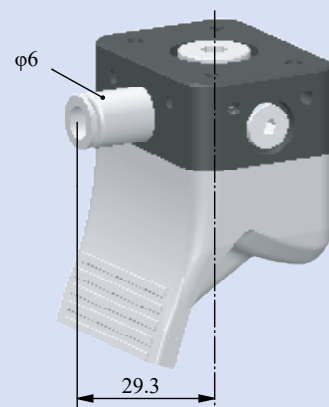
BMC Straight Fitting Installation



Scan to watch videos

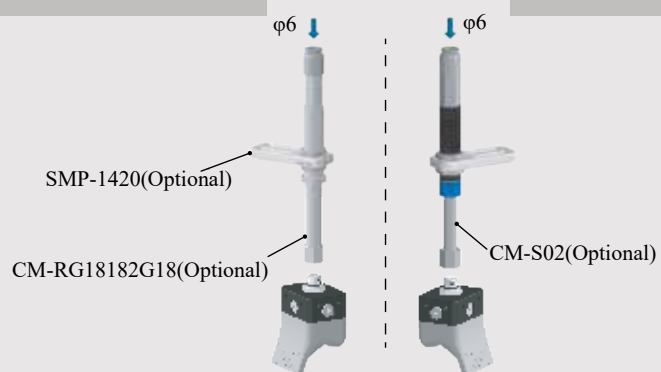


BML Side Fitting Installation

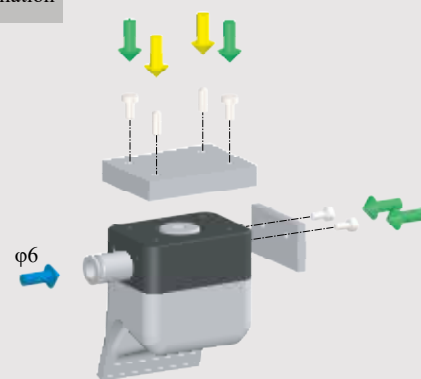


Rigid Connection Installation

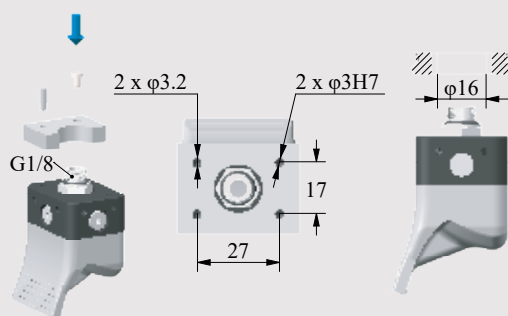
Buffer Installation



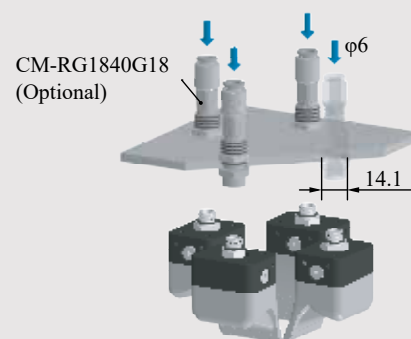
Side Access Partition Installation



Precise Positioning Installation





Matrix Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|-------|---|--|---|
|  | BMC-1GN2521[H]/SN Straight Fitting Strengthen Materia | | BML-1GN2521[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-1GN2521[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-1GN2521[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 17.8g | BML Weight | | 31.8g |

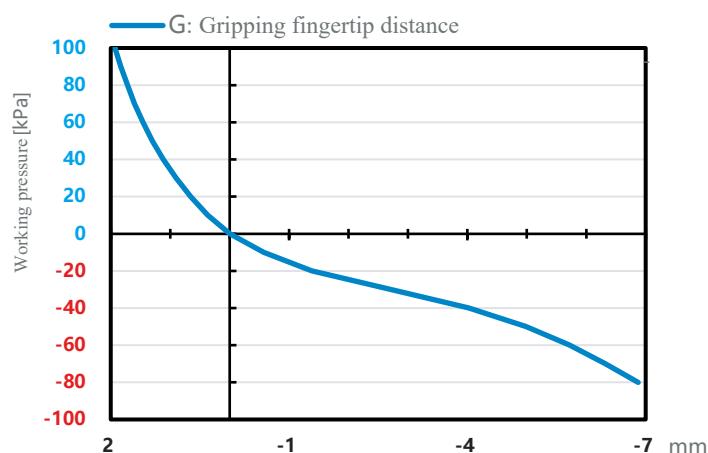
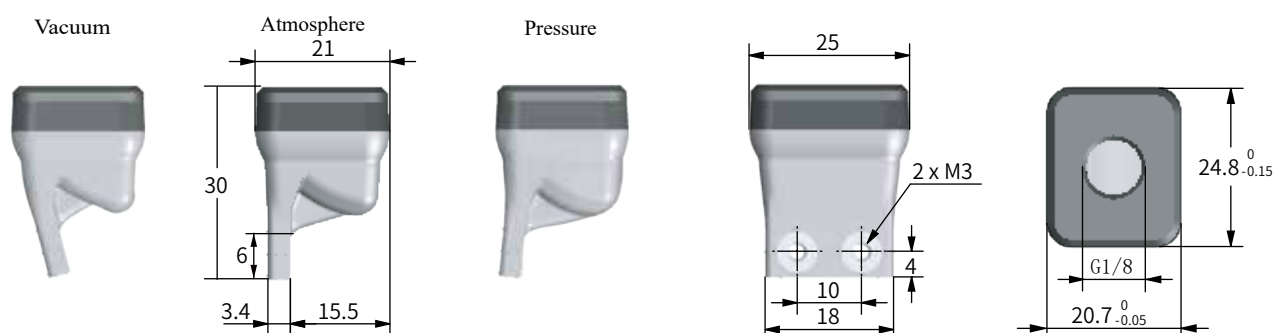
Paremeter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-4.5N | Theoretical gripping load** | 0-112g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

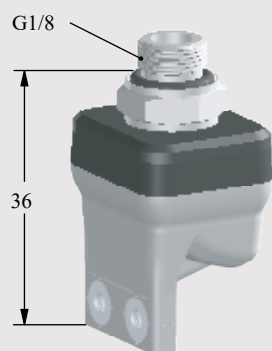
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

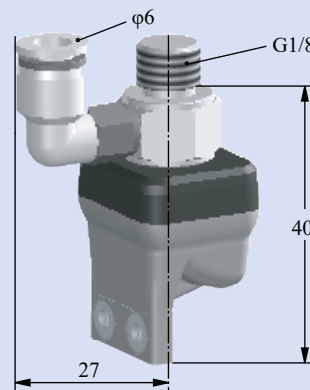


Installation

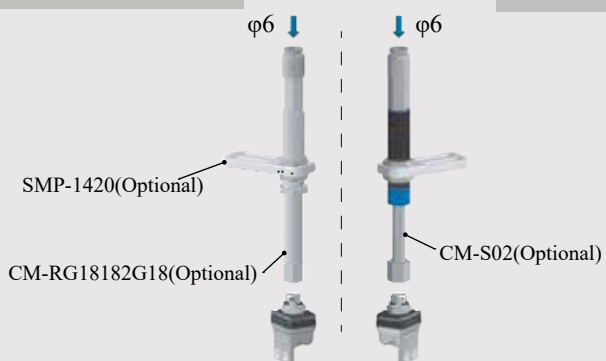
BMC Straight Fitting Installation



BML Side Fitting Installation

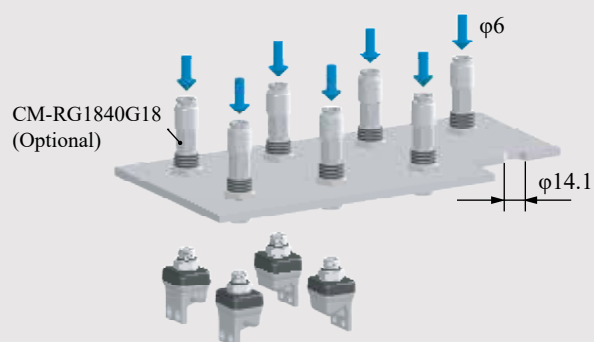


Rigid Connection Installation

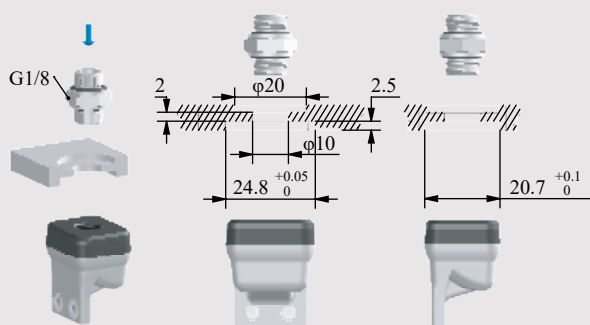


Buffer Installation

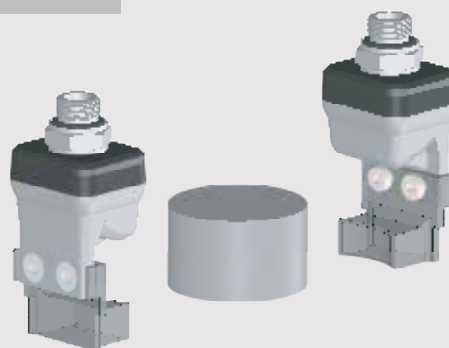
Matrix Installation



Precise Positioning Installation





Profiling Block Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|---|--|-----|
|  | BMC-1GN3024[H]/SN Straight Fitting Strengthen Material | BML-1GN3024[H]/SN Side Fitting Strengthen Material |  | | |
| | BMC-1GN3024[HAS]/SN Straight Fitting Dust-free Strengthen Material | BML-1GN3024[HAS]/SN Side Fitting Dust-free Strengthen Material | | | |
| BMC Weight | | 18g | BML Weight | | 32g |

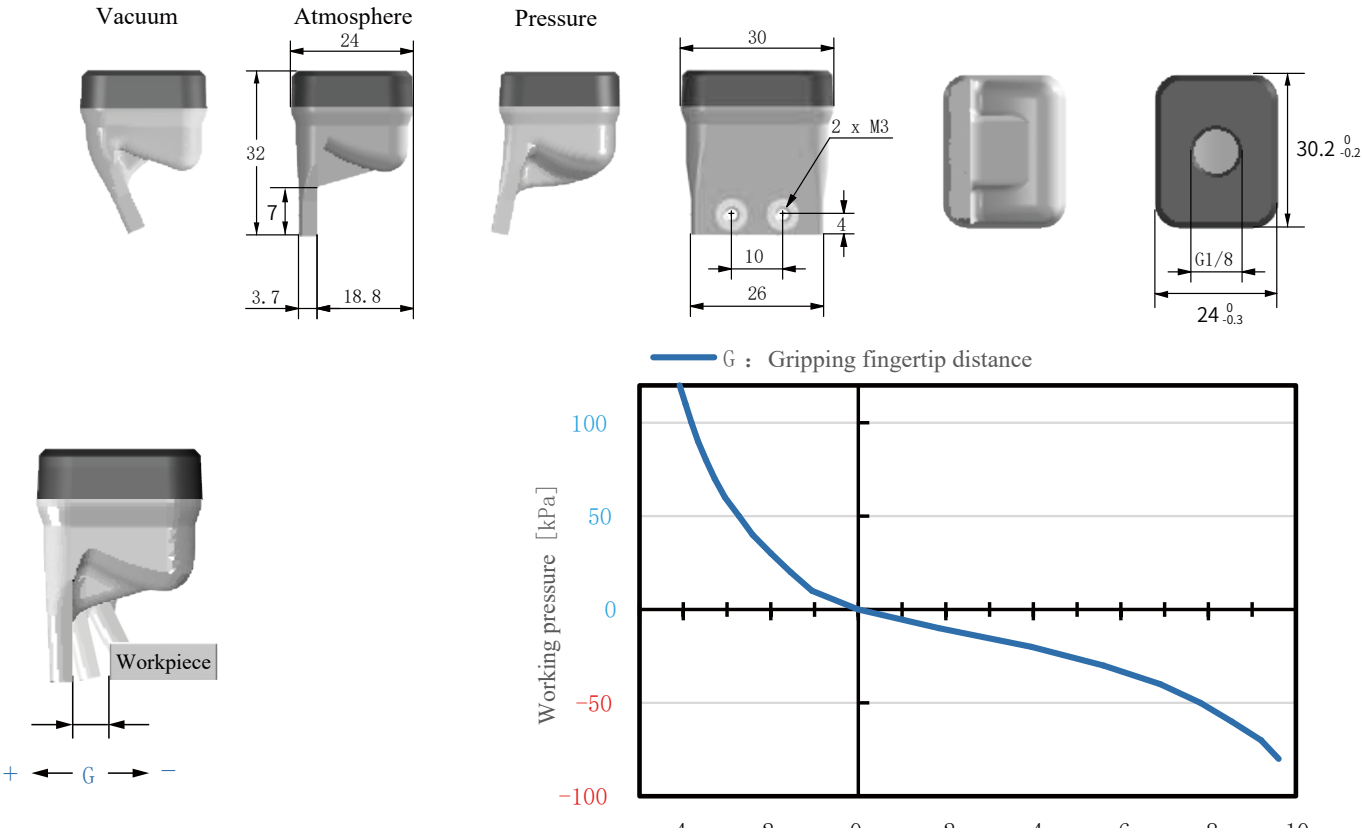
Paremeter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-8.8N | Theoretical gripping load** | 0-219g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

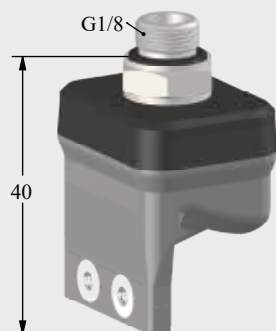
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

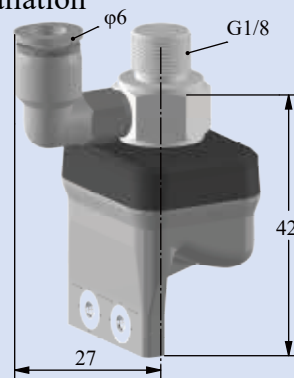


Installation

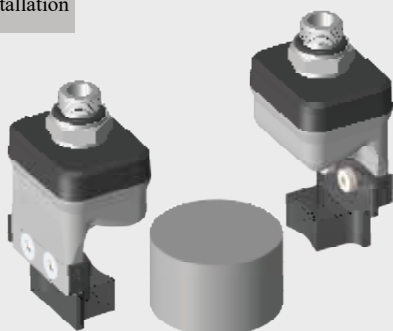
BMC Straight Fitting Installation



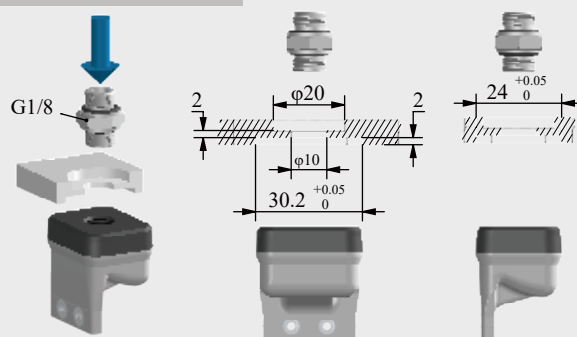
BML Side Fitting Installation



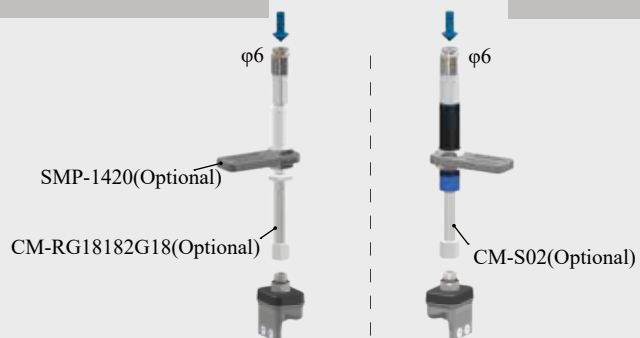
Profiling Block Installation



Precise Positioning Installation

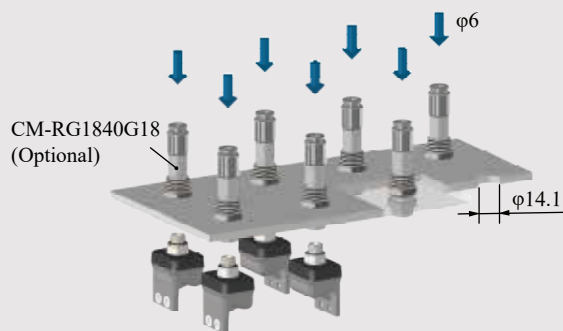


Rigid Connection Installation





Buffer Installation

Matrix Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|-------|---|--|---|
|  | BMC-1GN3527[H]/SN Straight Fitting Strengthen Materia | | BML-1GN3527[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-1GN3527[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-1GN3527[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 24.3g | BML Weight | | 38.3g |

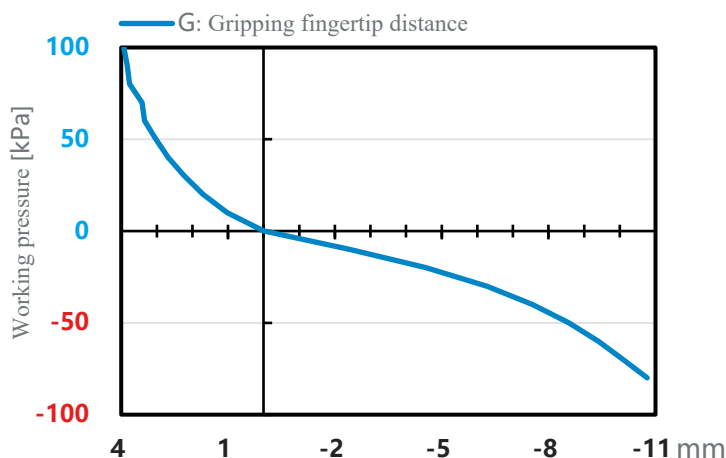
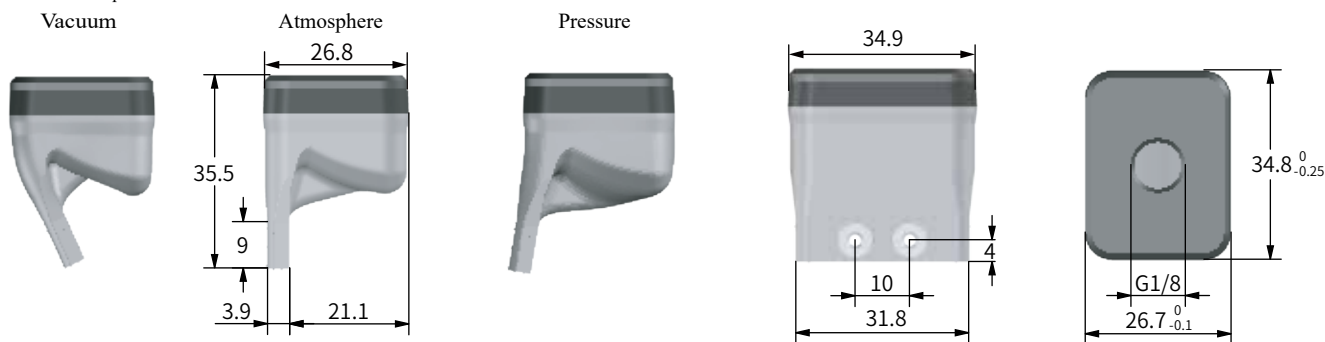
Parameter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | 0-13.2N | Theoretical gripping load** | 0-329g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

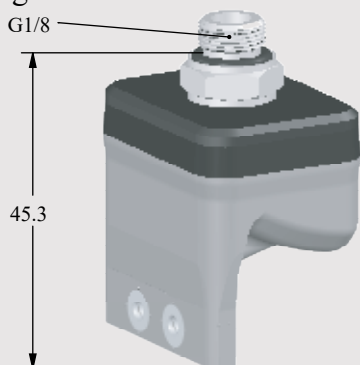


Installation

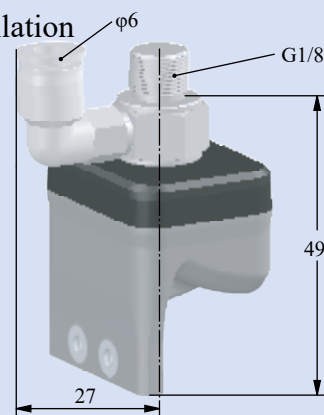
BMC Straight Fitting Installation



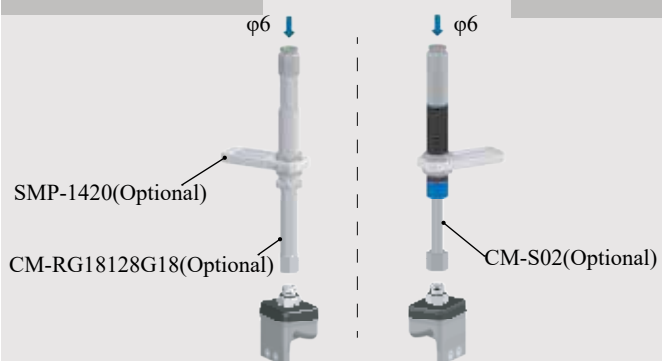
Scan to watch videos



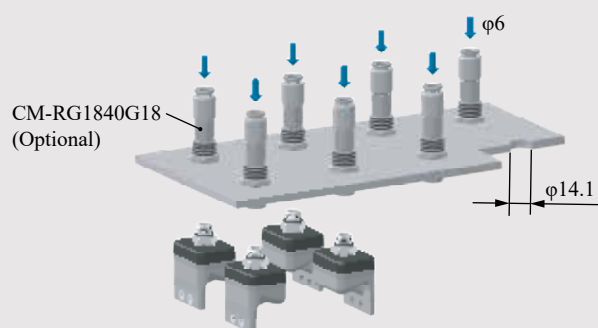
BML Side Fitting Installation



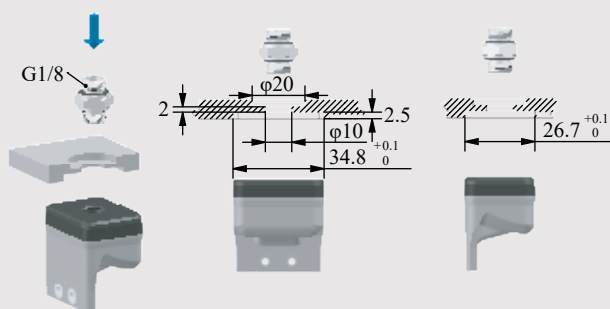
Rigid Connection Installation



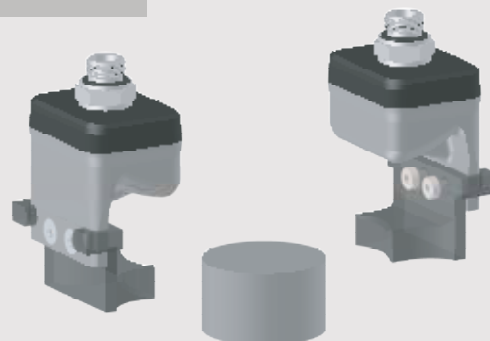
Matrix Installation



Precise Positioning Installation

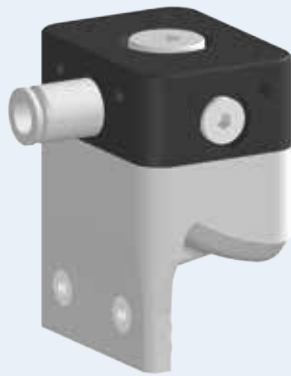


Profiling Block Installation



Product features

- The single-finger beak can be modularly combined. Fingertip opens under pressure and clamps in a vacuum. It is recommended to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-------|--|--|---|
|  | BMC-1GN4030[H]/M Straight Fitting Strengthen Materia | | BML-1GN4030[H]/M Side Fitting Strengthen Materia | |  |
| | BMC-1GN4030[HAS]/M Straight Fitting Dust-free Strengthen Materia | | BML-1GN4030[HAS]/M Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 79.4g | BML Weight | | 78.3g |

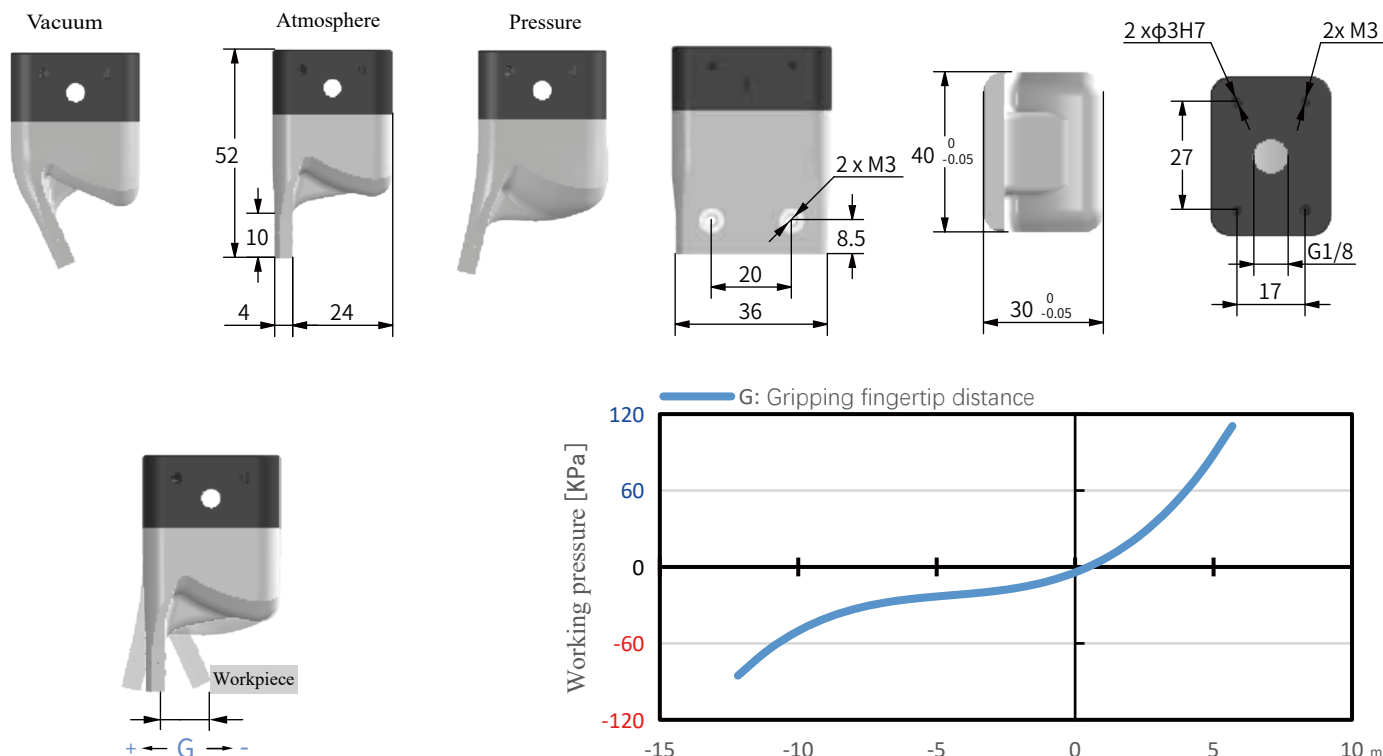
Parameter

| | | | | | | |
|--------------------------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range- | Gripping force | 0-17N | Theoretical gripping load** | 0-425g | Ideal gripping workpiece size* | — |
| Internal gripping range- | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

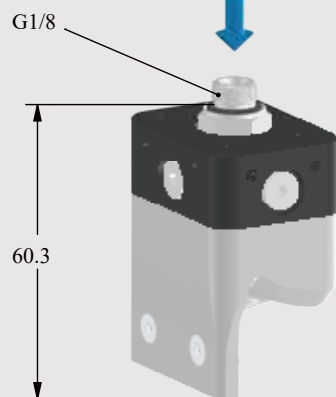


Installation

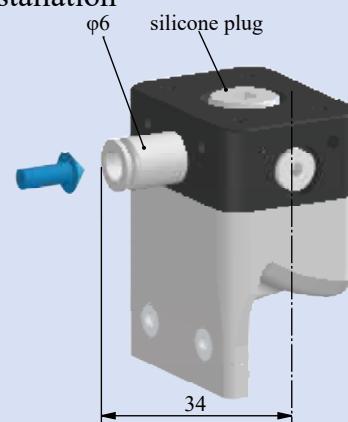
BMC Straight Fitting Installation



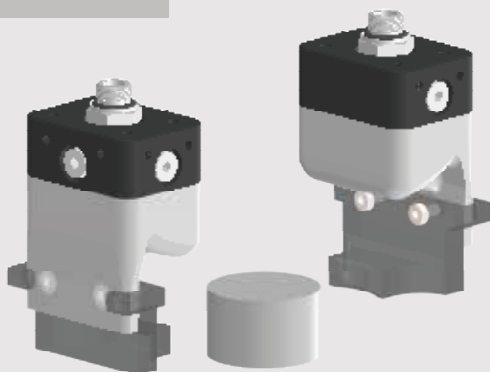
Scan to watch videos



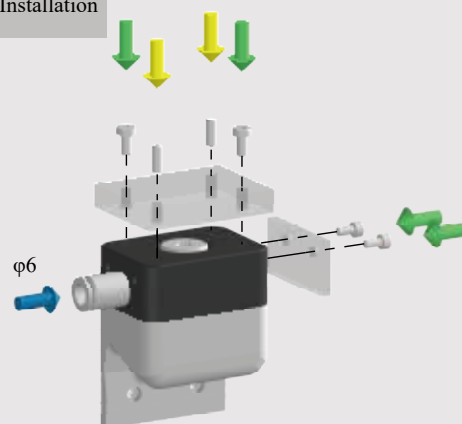
BML Side Fitting Installation



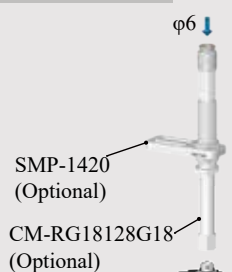
Profiling Block Installation



Side Access Partition Installation



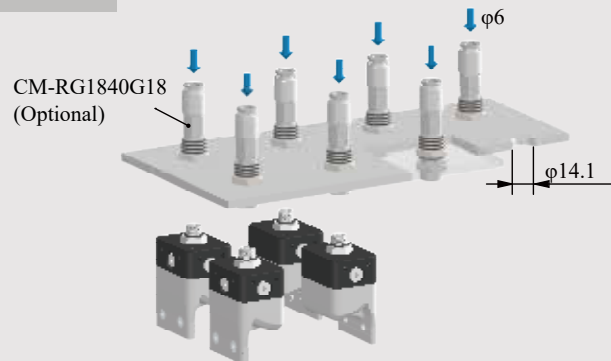
Rigid Connection Installation



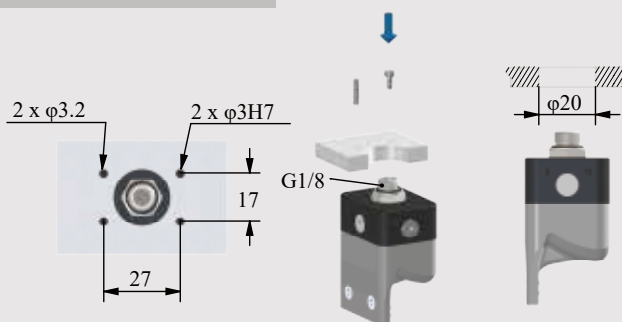
Buffer Installation




Matrix Installation



Precise Positioning Installation

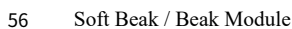


- B-1UN4030[H]/M

| | | | | |
|--|--|--|--|--|
|  | <p>BMC-1UN4030[H]/M Straight Fitting Strengthen Material</p> | | <p>BML-1UN4030[H]/M Side Fitting Strengthen Material</p> | |
| | <p>BMC-1UN4030[HAS]/M Straight Fitting Dust-free Strengthen Material</p> | | <p>BML-1UN4030[HAS]/M Side Fitting Dust-free Strengthen Material</p> | |
| | <p>BMC Weight 75.7g</p> | | <p>BML Weight 74.6g</p> | |

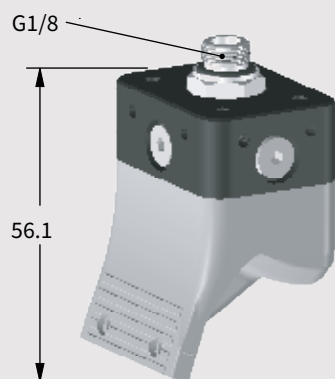
| | | | |
|--------------------------|--------------------------------|--|---|
| Gripping range— | Gripping force — | Theoretical gripping load** — | Ideal gripping workpiece size* — |
| Internal gripping range— | Internal gripping force 0-62N | Theoretical internal gripping load** 0-1550g | Ideal internal gripping workpiece size* — |
| Joint sizeG1/8 | Life time*** 150 million times | Contact Temperature <220°C | Safe pressure*** <120kPa |

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

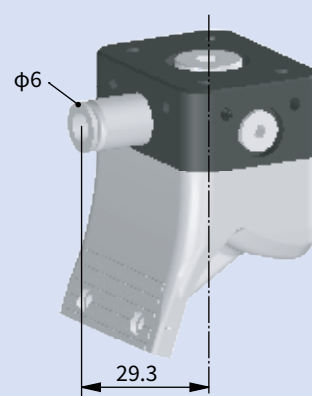


Installation

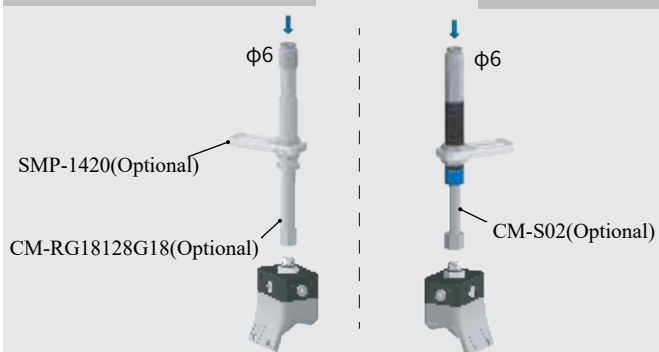
BMC Straight Fitting Installation



BML Side Fitting Installation



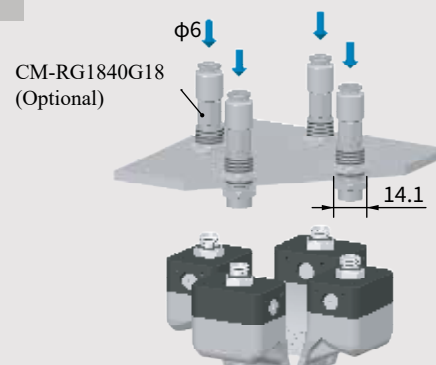
Rigid Connection Installation



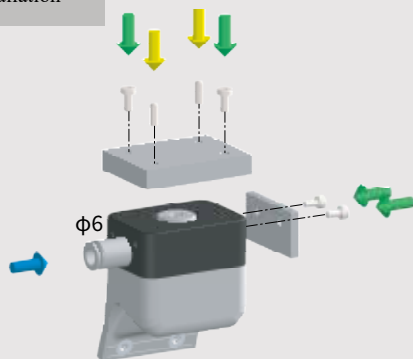
Buffer Installation



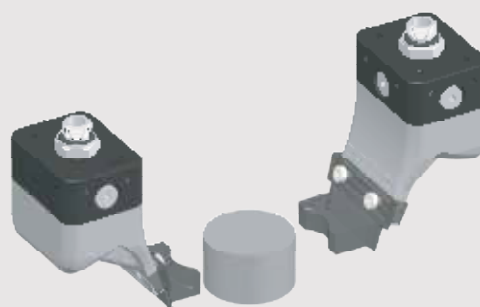
Matrix Installation



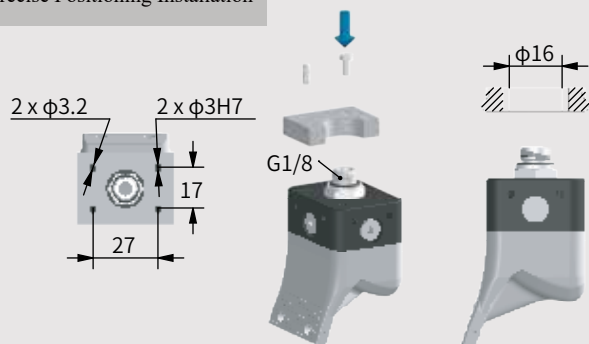
Side Access Partition Installation



Profiling Block Installation


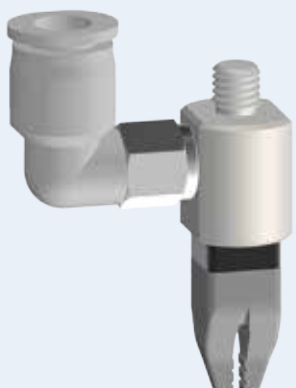


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-20201[H]/S Straight Fitting Strengthen Materia | | BML-20201[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-20201[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-20201[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight 1.1g | | BML Weight 16.3g | | |

Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-2.5mm | Gripping force | 0-0.6N | Theoretical gripping load** | 0-24g | Ideal gripping workpiece size* | 1mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <160kPa |

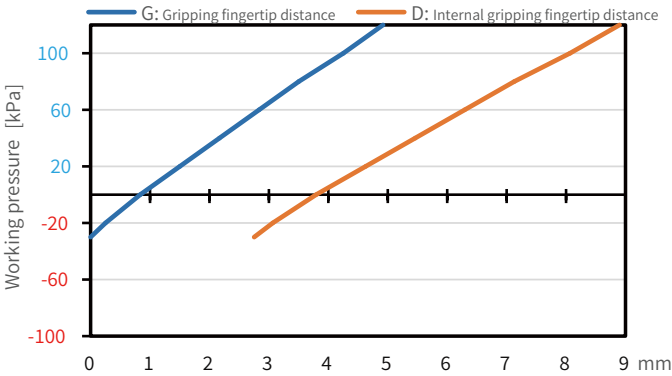
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

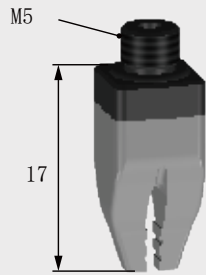


Installation

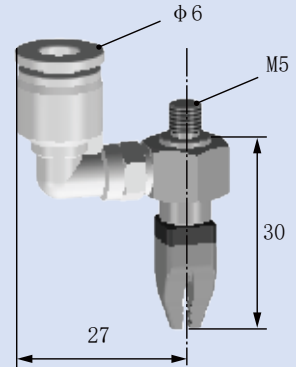
BMC Straight Fitting Installation



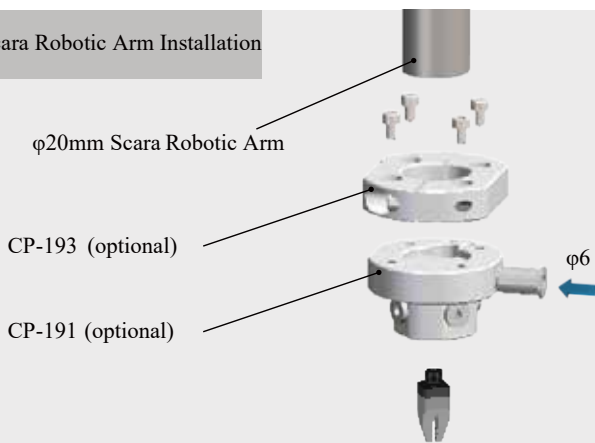
Scan to watch videos



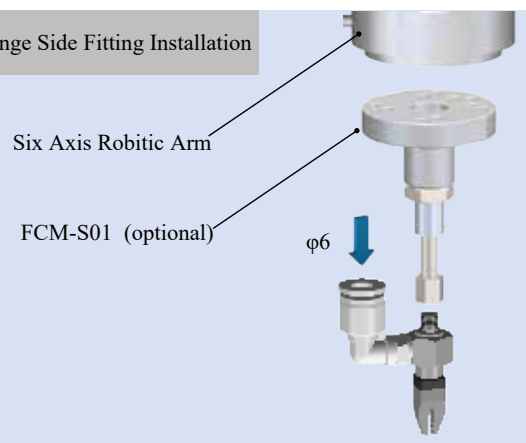
BML Side Fitting Installation



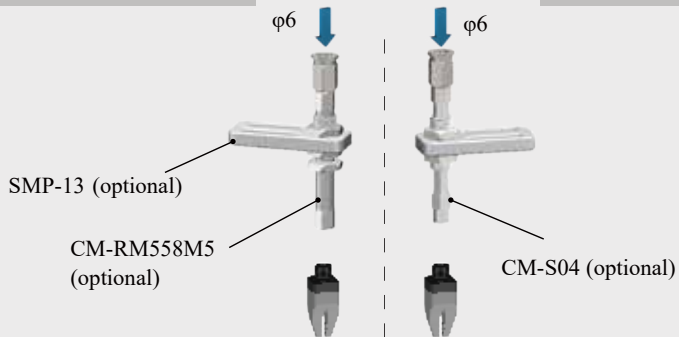
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

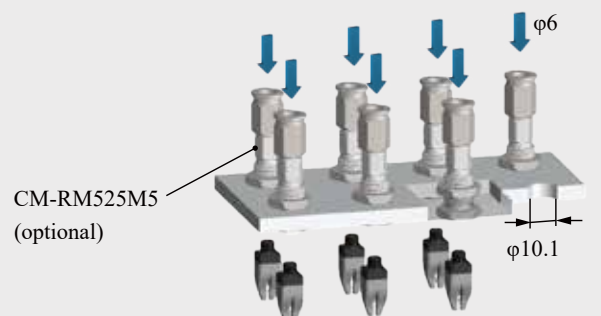


Rigid Connection Installation

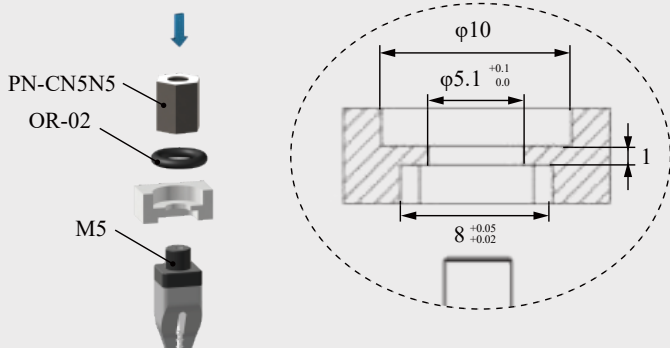


Buffer Installation

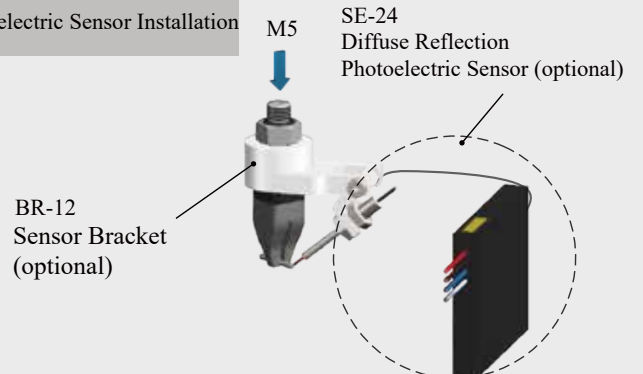
Matrix Installation



Precise Positioning Installation


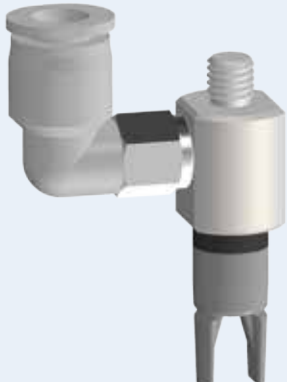


Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-2D08[H]/S Straight Fitting Strengthen Materia | | BML-2D08[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-2D08[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-2D08[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight0.8g | | BML Weight15.9g | | |

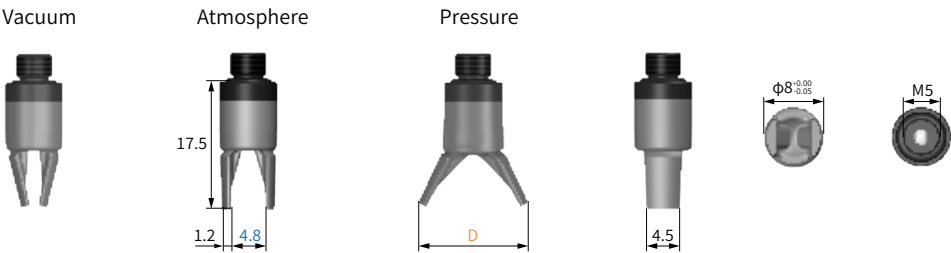
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 4-13mm | Internal gripping force | 0-0.9N | Theoretical internal gripping load** | 0-37g | Ideal internal gripping workpiece size* | 7.2mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <170kPa |

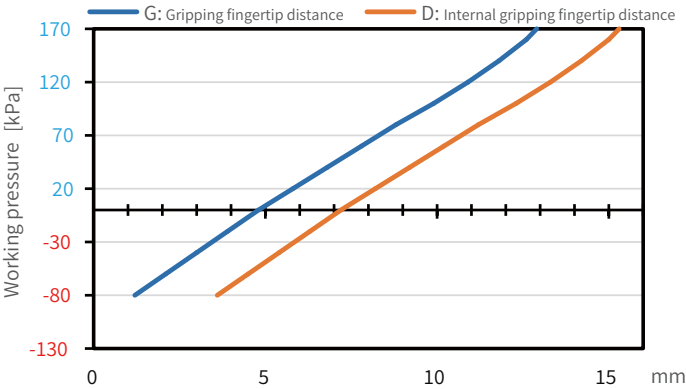
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

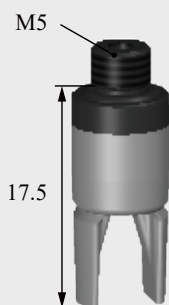


Installation

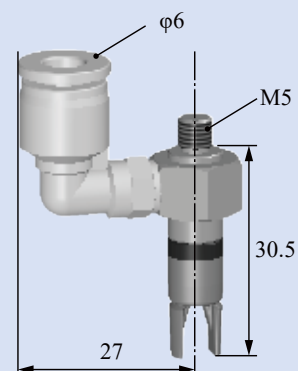
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

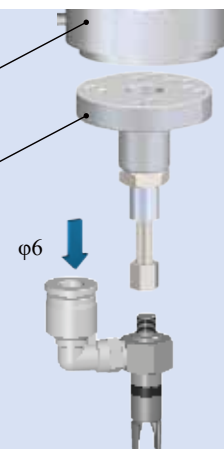
CP-191 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



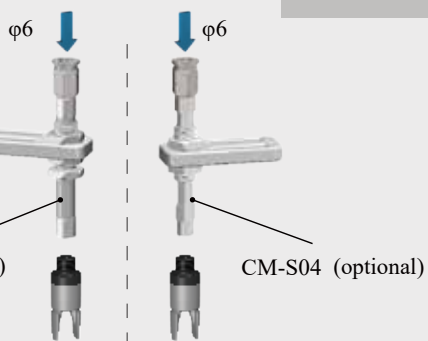
Rigid Connection Installation

Buffer Installation

SMP-13 (optional)

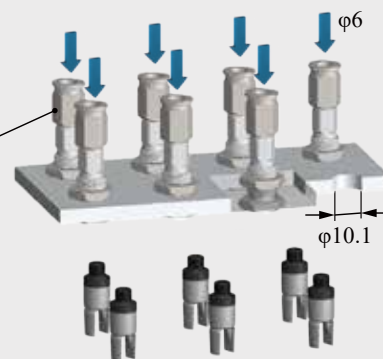
CM-RM558M5 (optional)

CM-S04 (optional)

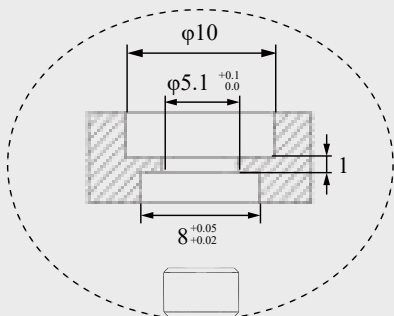
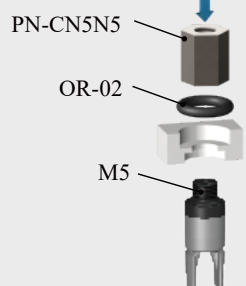


Matrix Installation

CM-RM525M5 (optional)



Precise Positioning Installation

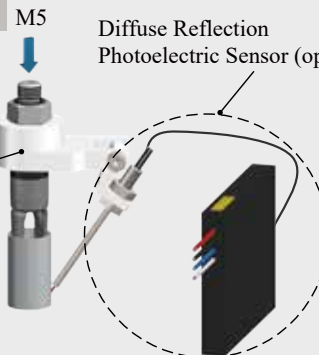


Photoelectric Sensor Installation

SE-24



Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|------|---|--|---|
|  | BMC-2051D5[P]/S Straight Fitting Normal Materia | | BML-2051D5[P]/S Side Fitting Normal Materia | |  |
| | BMC-2051D5[PAS]/S Straight Fitting Dust-free Normal Materia | | BML-2051D5[PAS]/S Side Fitting Dust-free Normal Materia | | |
| BMC Weight | | 3.9g | BML Weight | | 15.4g |

Paremeter

| | | | | | | | |
|-------------------------|-------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-3mm | Gripping force | 0-0.3N | Theoretical gripping load** | 0-12g | Ideal gripping workpiece size* | 1.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <90kPa |

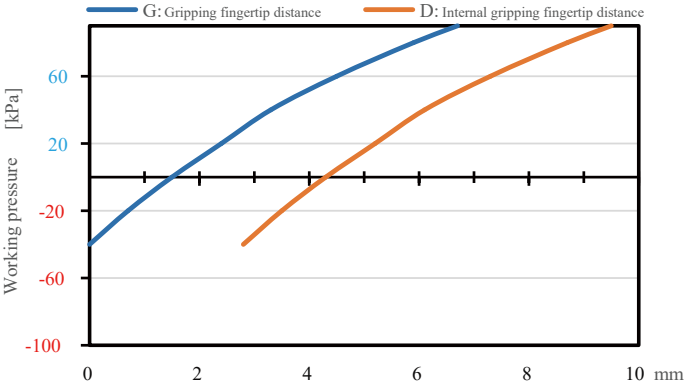
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

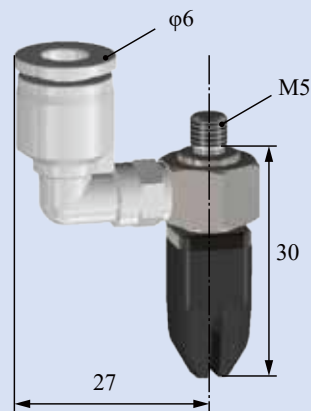
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

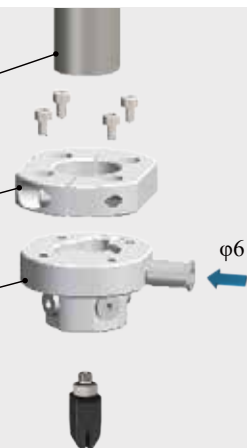


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

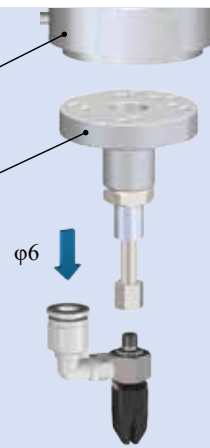
CP-191 (optional)



Robotic Arm Flange Side Fitting Installation

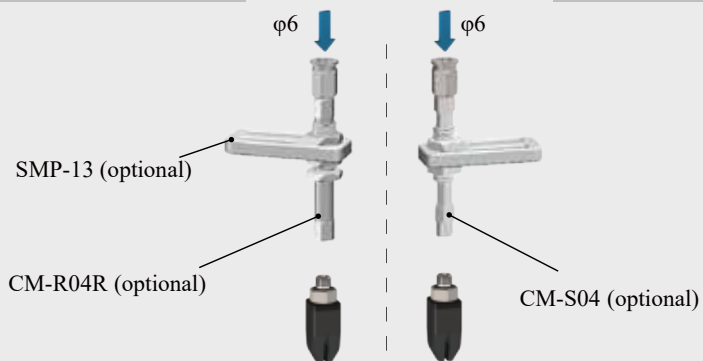
Six Axis Robotic Arm

FCM-S01 (optional)



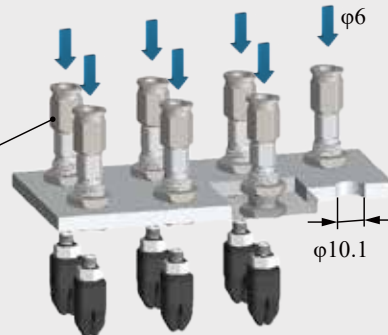
Rigid Connection Installation

Buffer Installation

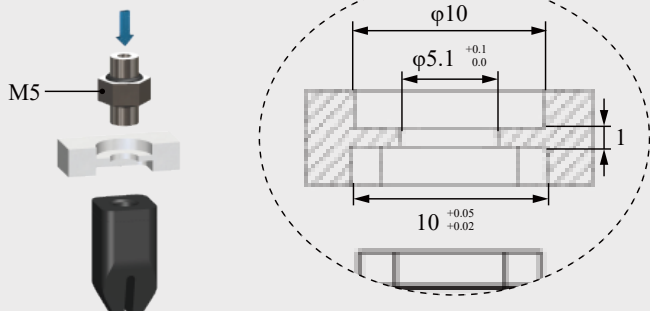


Matrix Installation

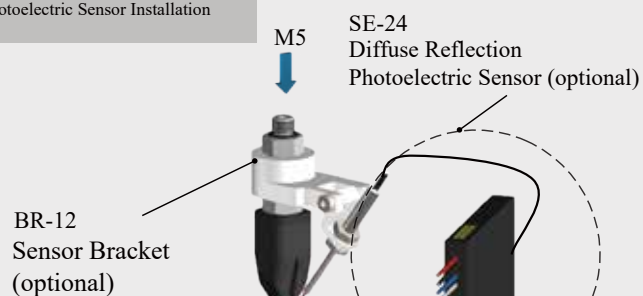
CM-RM525M5 (optional)



Precise Positioning Installation





Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LPAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-2051D5[LP]/S Straight Fitting Anti-static Normal Material | | BML-2051D5[LP]/S Side Fitting Anti-static Normal Material | |  |
| | BMC-2051D5[LPAS]/S Straight Fitting Anti-static Dust-free Normal Material | | BML-2051D5[LPAS]/S Side Fitting Anti-static Dust-free Normal Material | | |
| | BMC Weight 3.9g | | BML Weight 15.4g | | |

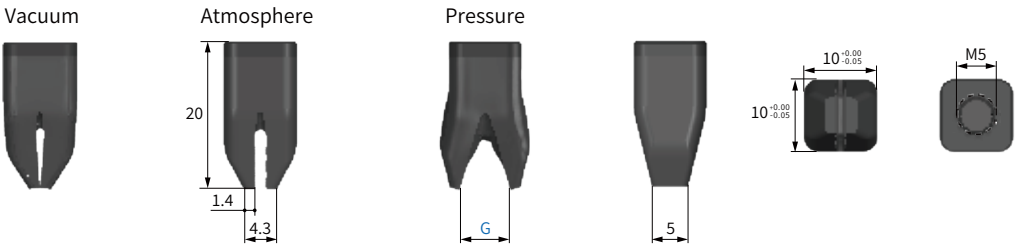
Paremeter

| | | | | | | | |
|-------------------------|-------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-3mm | Gripping force | 0-0.3N | Theoretical gripping load** | 0-12g | Ideal gripping workpiece size* | 1.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <90kPa |

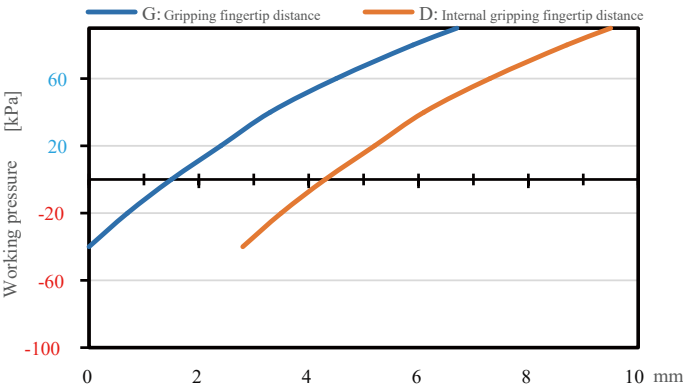
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

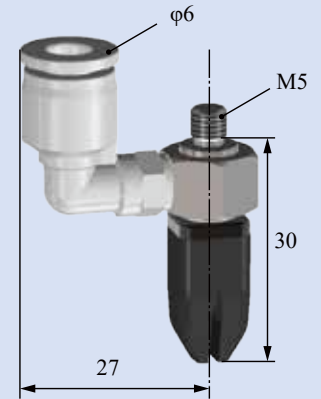
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)

φ6

Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

φ6

Rigid Connection Installation

Buffer Installation

Matrix Installation

SMP-13 (optional)

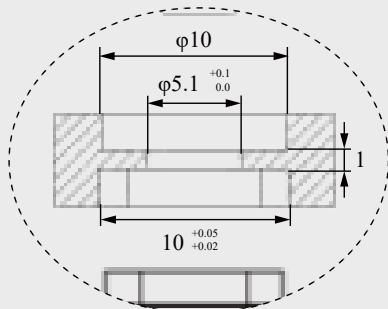
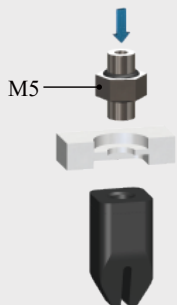
CM-R04R (optional)

CM-S04 (optional)

CM-RM525M5 (optional)

φ10.1

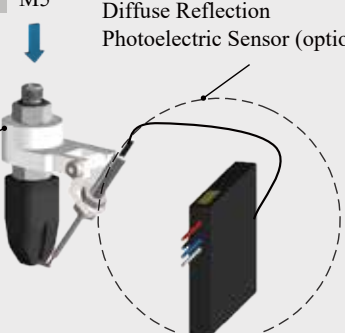
Precise Positioning Installation



Photoelectric Sensor Installation

SE-24 Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | |
|---|---|---|---|
|  | BMC-2076D5[P]/S Straight Fitting Normal Material | BML-2076D5[P]/S Side Fitting Normal Material |  |
| | BMC-2076D5[PAS]/S Straight Fitting Dust-free Normal Material | BML-2076D5[PAS]/S Side Fitting Dust-free Normal Material | |
| BMC Weight | | BML Weight | |
| 5.4g | | 16.9g | |

Parameter

| | | | | | | | |
|-------------------------|-----------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 5.5-7.5mm | Gripping force | 0-0.7N | Theoretical gripping load** | 0-29g | Ideal gripping workpiece size* | 6.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

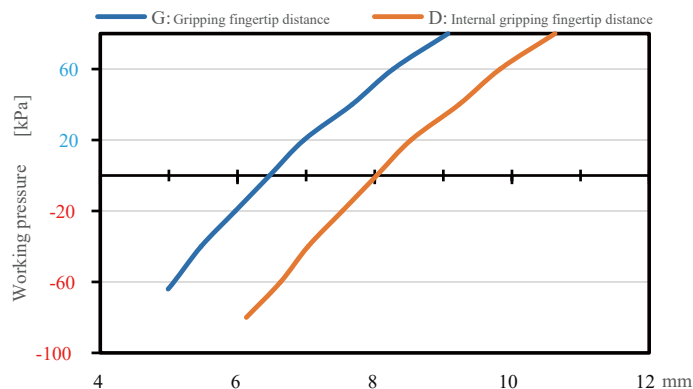
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

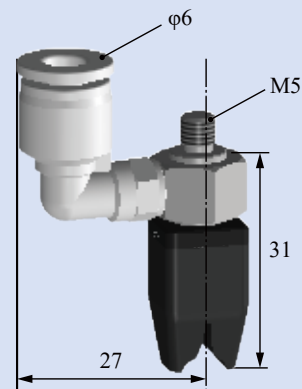
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)

φ6

Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

φ6

Rigid Connection Installation

φ6

φ6

SMP-13 (optional)

CM-RM558M5 (optional)

Buffer Installation

CM-S04 (optional)

Matrix Installation

CM-RM525M5 (optional)

φ10.1

Precise Positioning Installation

M5

φ10

φ5

12

+0.05
+0.02

Photoelectric Sensor Installation

SE-24


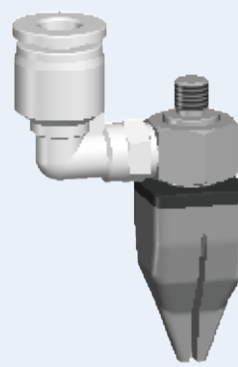
Diffuse Reflection
Photoelectric Sensor (optional)

M5

BR-12
Sensor Bracket
(optional)

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-20301[H]/S Straight Fitting Strengthen Materia | | BML-20301[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-20301[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-20301[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight 6g | | BML Weight 17.5g | | |

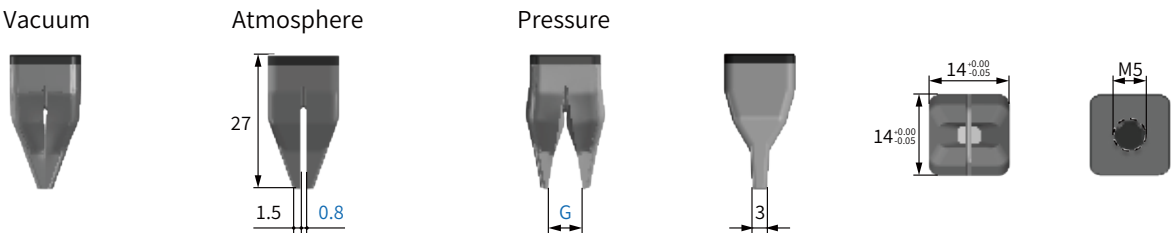
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-2.8mm | Gripping force | 0-2.7N | Theoretical gripping load** | 0-106g | Ideal gripping workpiece size* | 0.8mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

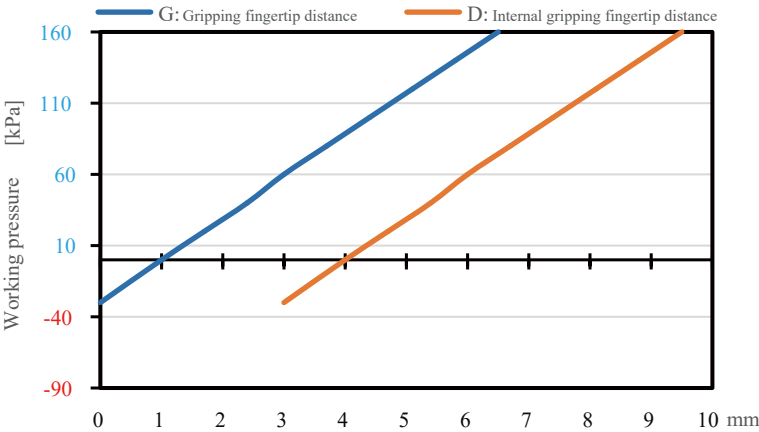
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

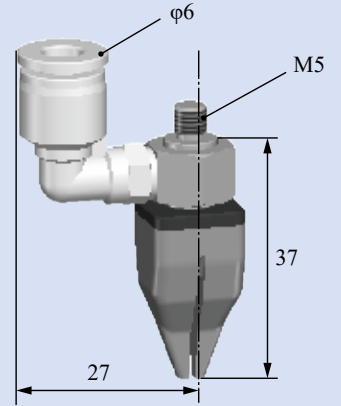
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

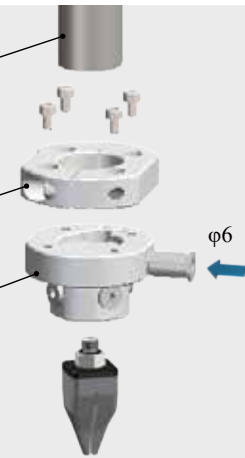


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



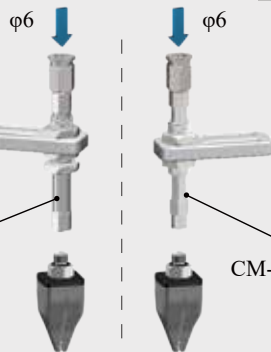
Rigid Connection Installation

Buffer Installation

SMP-13 (optional)

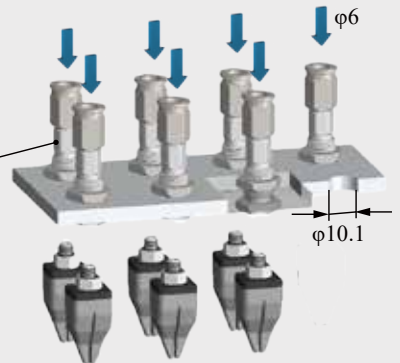
CM-RM558M5 (optional)

CM-S04 (optional)

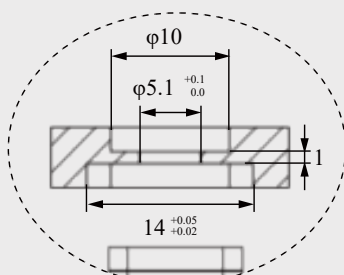


Matrix Installation

CM-RM525M5 (optional)



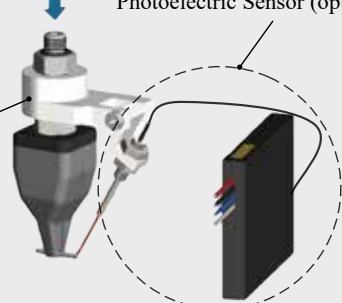
Precise Positioning Installation



Photoelectric Sensor Installation

BR-12 Sensor Bracket (optional)

SE-24 Diffuse Reflection Photoelectric Sensor (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-20501[H]/S Straight Fitting Strengthen Materia | | BML-20501[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-20501[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-20501[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight 6.6g | | BML Weight 18.1g | | |

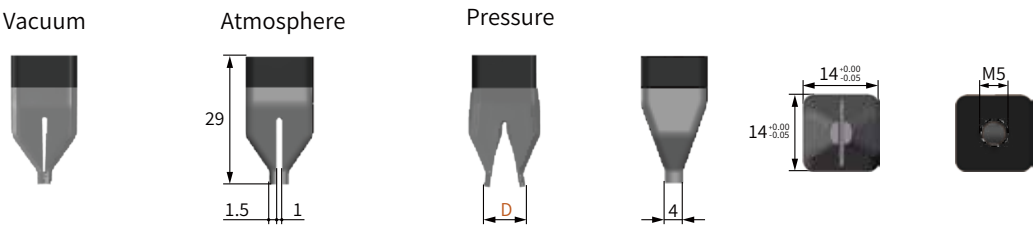
Paremeter

| | | | | | | | |
|-------------------------|-------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 3-8mm | Internal gripping force | 0-0.5N | Theoretical internal gripping load** | 0-21g | Ideal internal gripping workpiece size* | 5mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <160kPa |

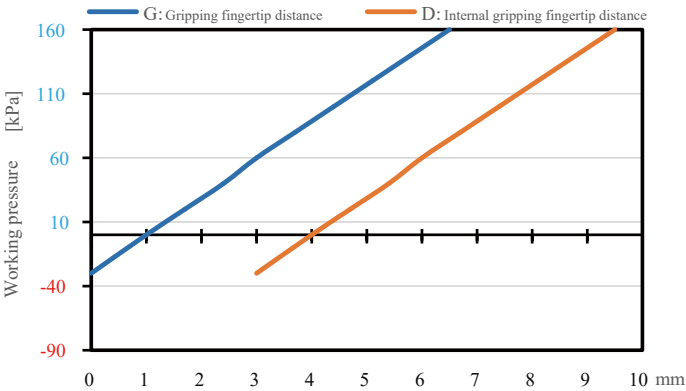
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

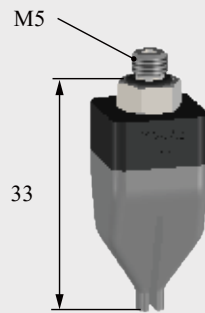


Installation

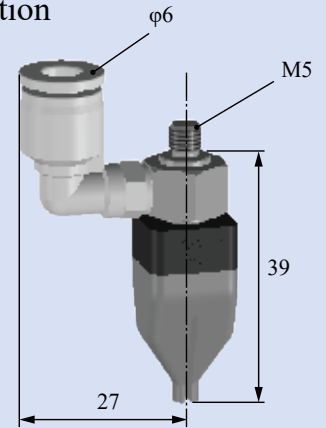
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)

φ6

Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

φ6

Rigid Connection Installation

φ6

φ6

SMP-13 (optional)

CM-RM558M5 (optional)

Buffer Installation

CM-S04 (optional)

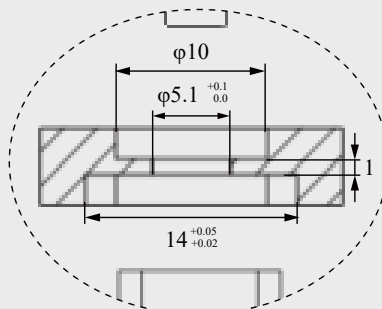
Matrix Installation

CM-RM525M5 (optional)

φ10.1

Precise Positioning Installation

M5



Photoelectric Sensor Installation


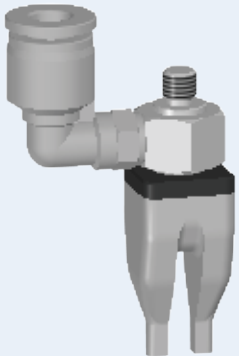
M5

SE-24 Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-2102D5[H]/S Straight Fitting Strengthen Materia | | BML-2102D5[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-2102D5[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-2102D5[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight 6g | | BML Weight 15.4g | | |

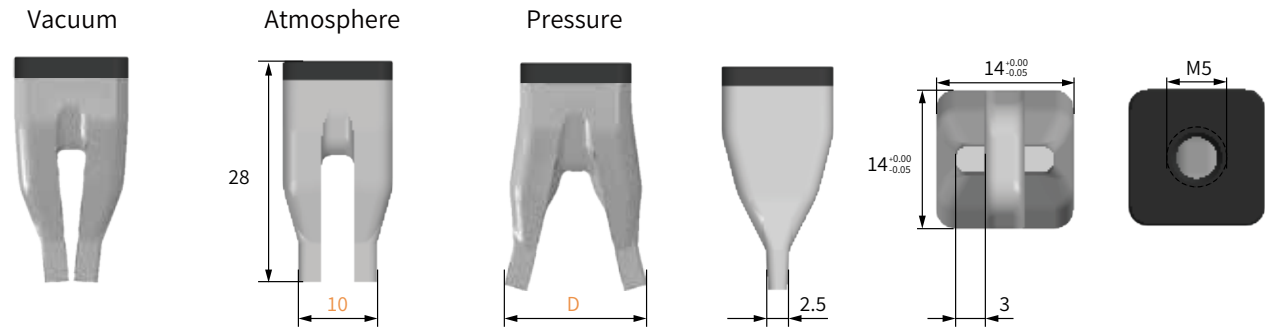
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 8-15mm | Internal gripping force | 0-0.9N | Theoretical internal gripping load** | 0-34g | Ideal internal gripping workpiece size* | 10mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

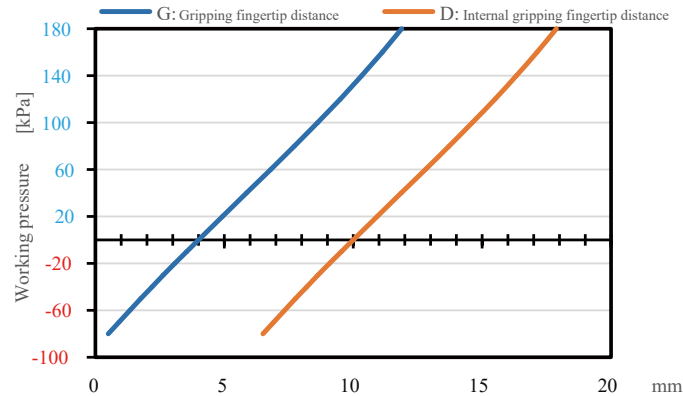
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

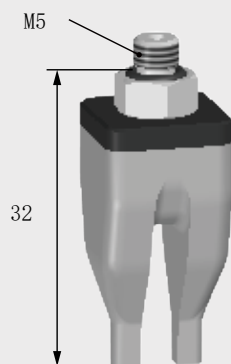


Pressure-Fingertip Distance deformation curve

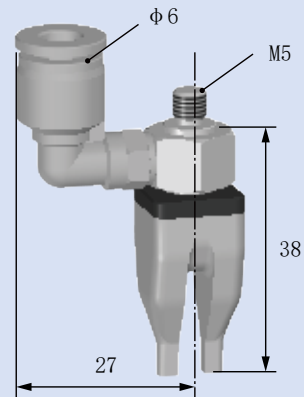


Installation

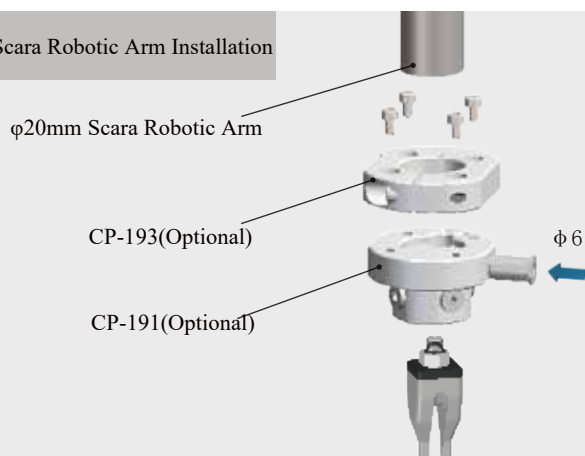
BMC Straight Fitting Installation



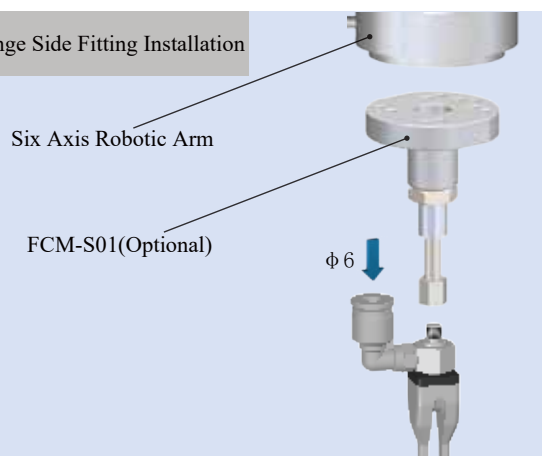
BML Side Fitting Installation



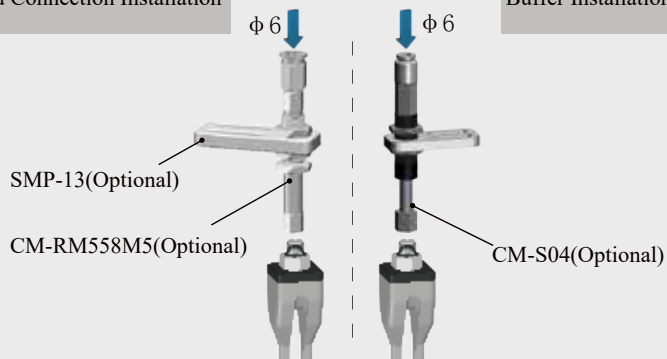
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation



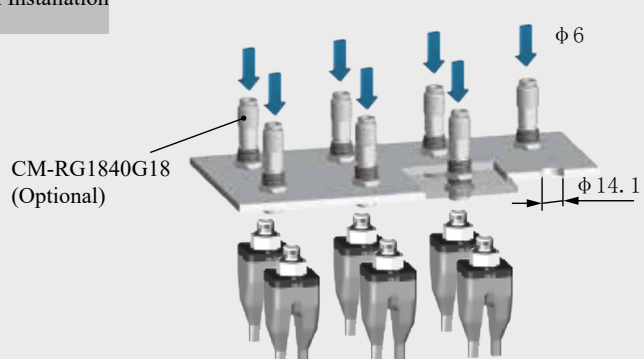
Rigid Connection Installation



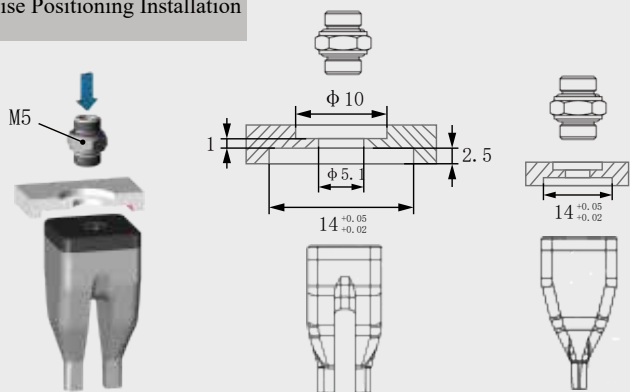
Buffer Installation



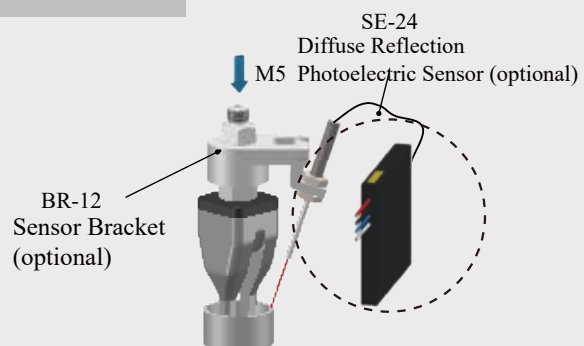
Matrix Installation



Precise Positioning Installation


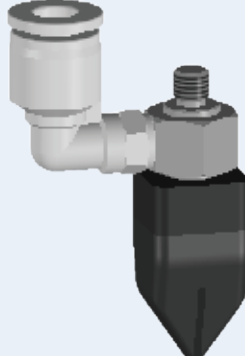


Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|------|---|--|---|
|  | BMC-2V0401[P]/S Straight Fitting Normal Materia | | BML-2V0401[P]/S Side Fitting Normal Materia | |  |
| | BMC-2V0401[PAS]/S Straight Fitting Dust-free Normal Materia | | BML-2V0401[PAS]/S Side Fitting Dust-free Normal Materia | | |
| | | | | | |
| BMC Weight | | 6.9g | BML Weight | | 18.4g |

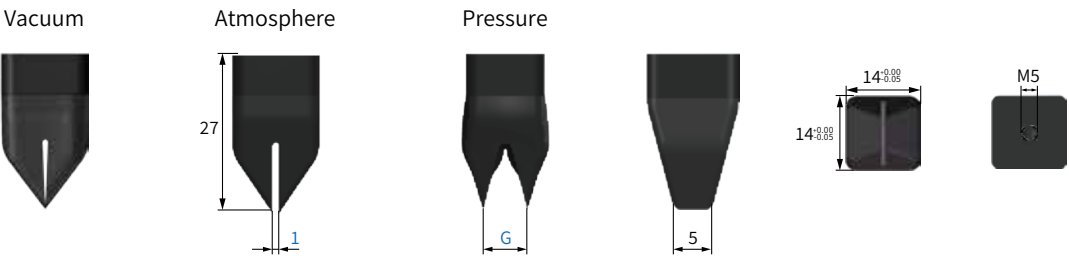
Paremeter

| | | | | | | | |
|-------------------------|-------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-3mm | Gripping force | 0-0.4N | Theoretical gripping load** | 0-17g | Ideal gripping workpiece size* | 1mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

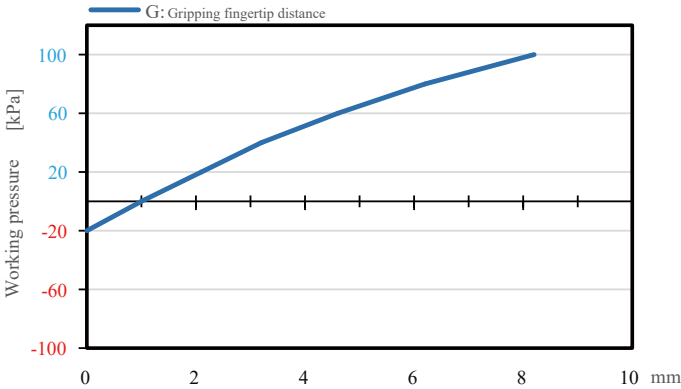
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

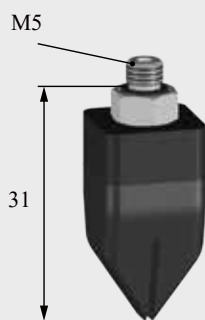


Installation

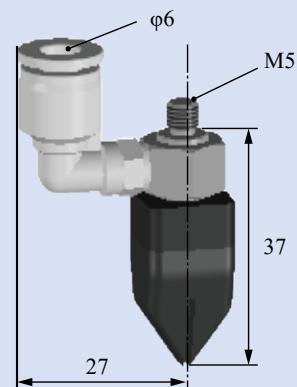
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

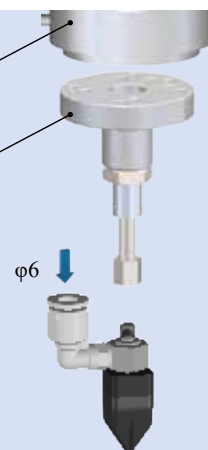
CP-191 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



Rigid Connection Installation

SMP-13 (optional)

CM-RM558M5 (optional)



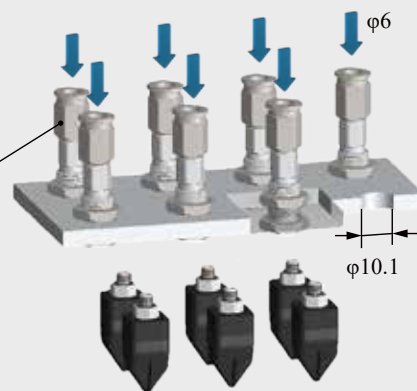
Buffer Installation

CM-S04

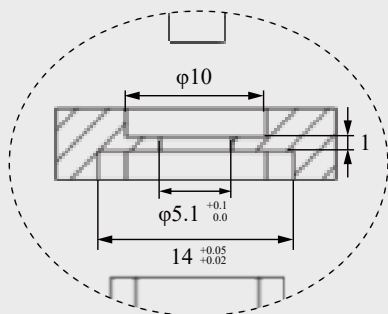


Matrix Installation

CM-RM525M5 (optional)



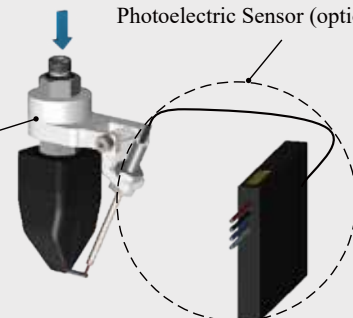
Precise Positioning Installation



Photoelectric Sensor Installation



SE-24 Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|--|------|--|--|---|
|  | BMC-2NH1107[P]/S Straight Fitting Normal Materia | | BML-2NH1107[P]/S Side Fitting Normal Materia | |  |
| | BMC-2NH1107[PAS]/S Straight Fitting Dust-free Normal Materia | | BML-2NH1107[PAS]/S Side Fitting Dust-free Normal Materia | | |
| BMC Weight | | 4.7g | BML Weight | | 15.0g |

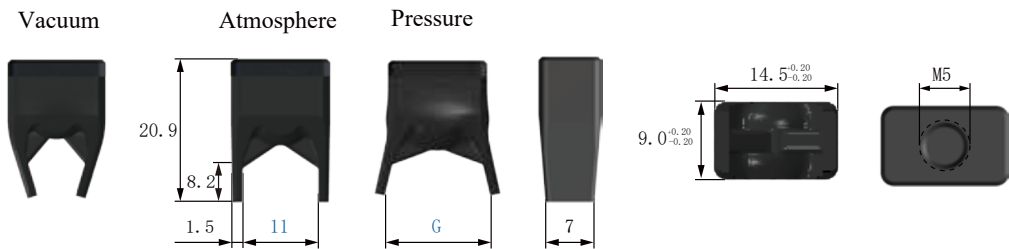
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 8-13mm | Gripping force | 0-0.6N | Theoretical gripping load** | 0-26g | Ideal gripping workpiece size* | 11mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

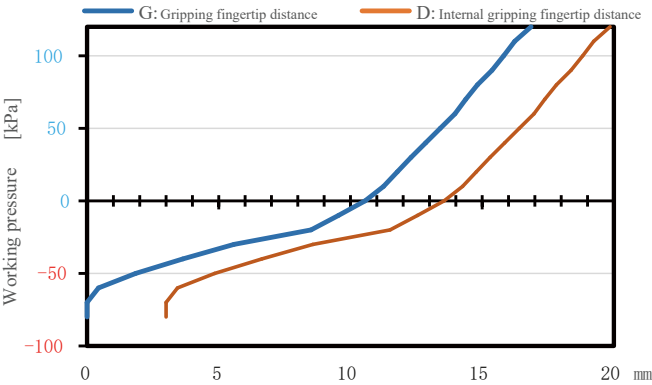
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

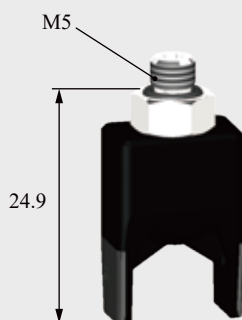


Pressure-Fingertip Distance deformation curve

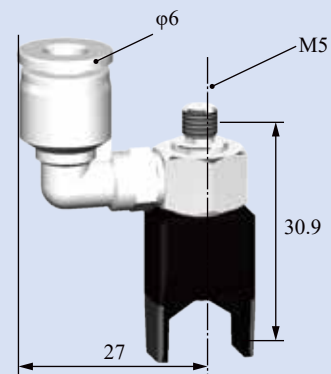


Installation

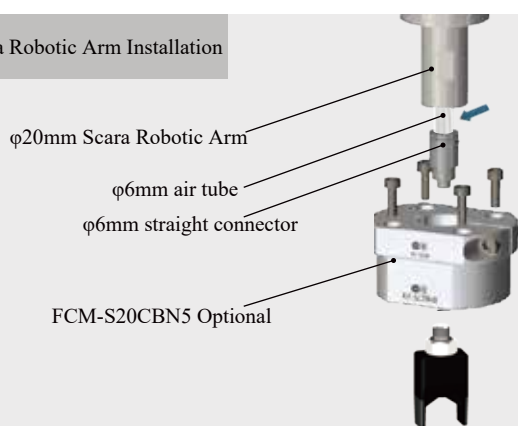
BMC Straight Fitting Installation



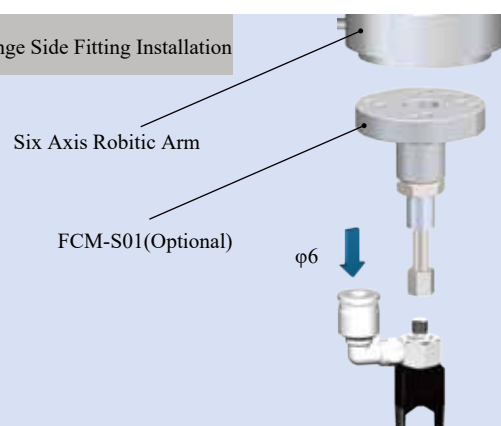
BML Side Fitting Installation



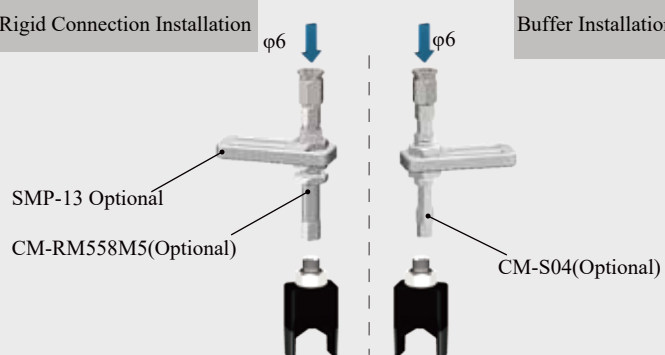
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

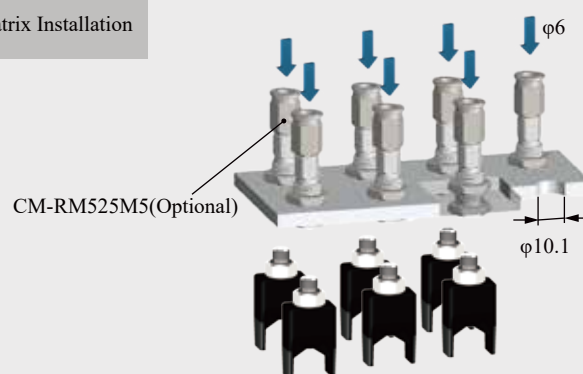


Rigid Connection Installation

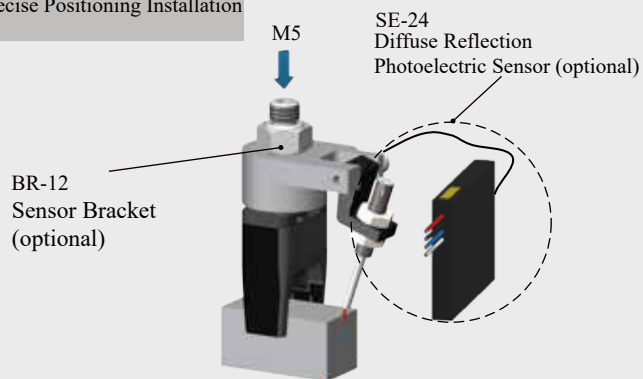


Buffer Installation

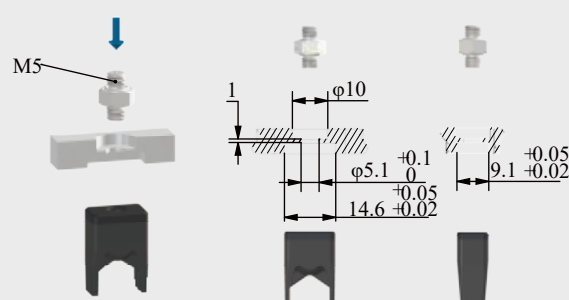
Matrix Installation



Precise Positioning Installation




Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-20603[H]/S Straight Fitting Strengthen Materia | | BML-20603[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-20603[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-20603[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight7.3g | | BML Weight18.8g | | |

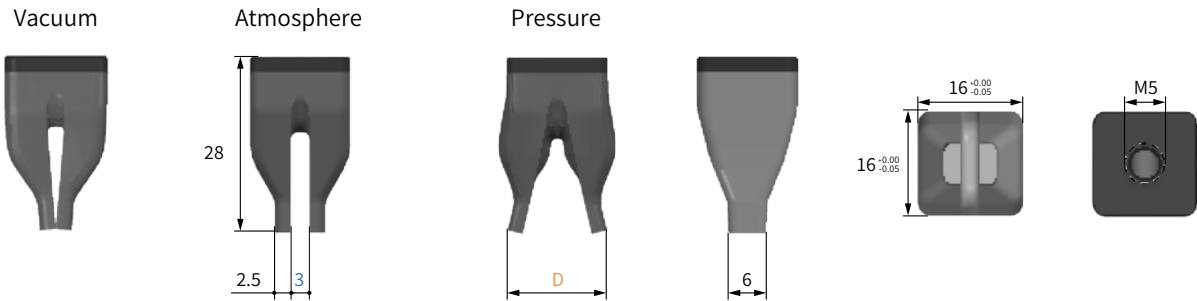
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 6-16mm | Internal gripping force | 0-1.7N | Theoretical internal gripping load** | 0-70g | Ideal internal gripping workpiece size* | 9mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

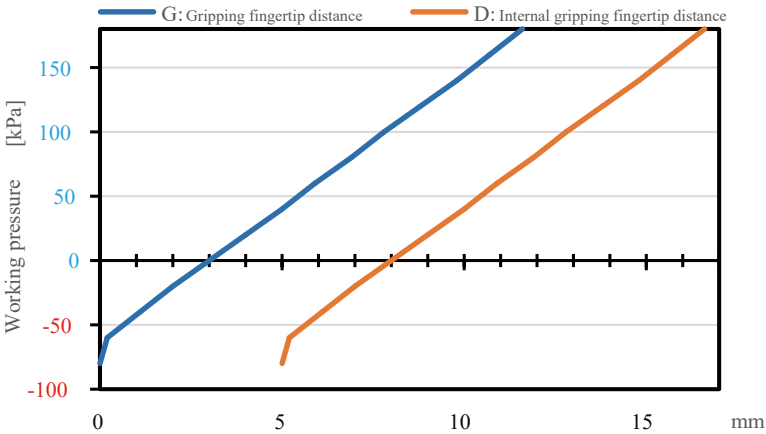
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

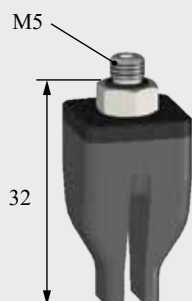


Installation

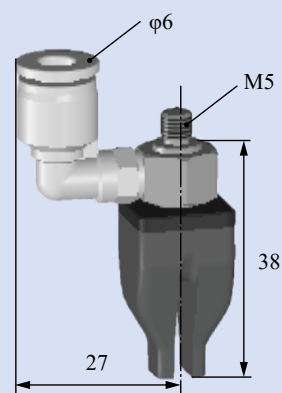
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)

φ6

Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

φ6

Rigid Connection Installation

Buffer Installation

SMP-13 (optional)

CM-RG18128G18 (optional)

CM-S04

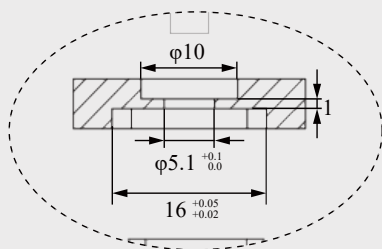
Matrix Installation

CM-RM525M5 (optional)

φ10.1

Precise Positioning Installation

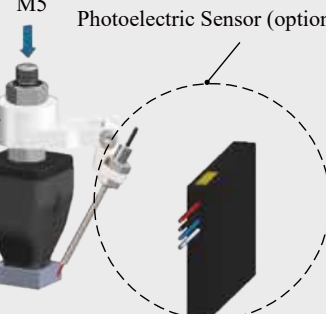
M5



Photoelectric Sensor Installation

SE-24 Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-2G1211[H] Straight Fitting Strengthen Materia | | BML-2G1211[H] Side Fitting Strengthen Materia | |  |
| | BMC-2G1211[HAS] Straight Fitting Dust-free Strengthen Materia | | BML-2G1211[HAS] Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight 11.3g | | BML Weight 19.7g | | |

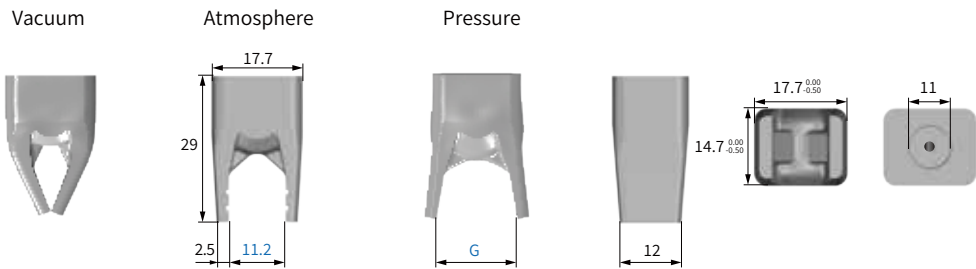
Paremeter

| | | | | | | | |
|-------------------------|----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-13.3mm | Gripping force | 0-1.5N | Theoretical gripping load** | 0-59g | Ideal gripping workpiece size* | 11.2mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <160kPa |

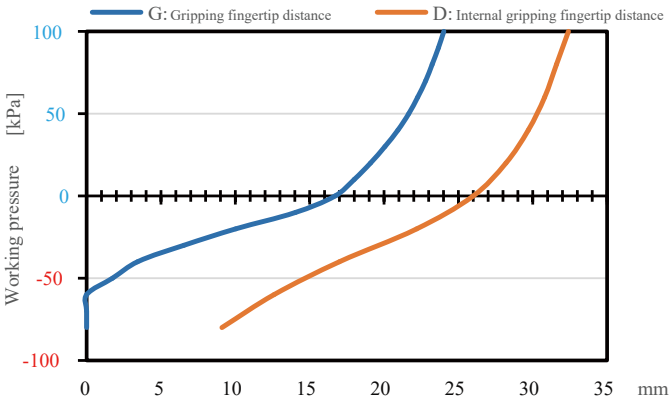
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

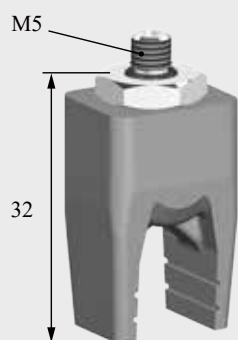


Installation

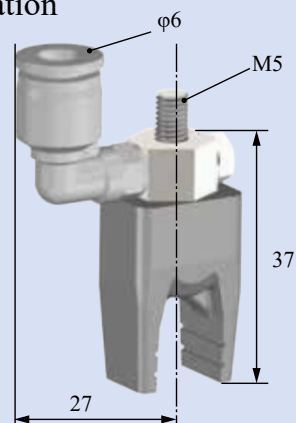
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)

φ6

Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

φ6

Rigid Connection Installation

SMP-13 (optional)

CM-RM558M5 (optional)

Buffer Installation

CM-S04 (optional)

Matrix Installation

CM-RM525M5 (optional)

φ10.1

Photoelectric Sensor Installation


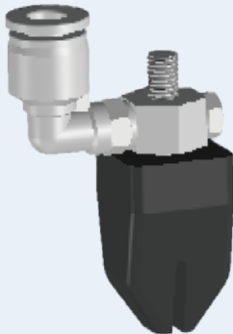
BR-12 Sensor Bracket (optional)

M5

SE-24 Diffuse Reflection Photoelectric Sensor (optional)

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-20802[P] Straight Fitting Normal Materia | | BML-20802[P] Side Fitting Normal Materia | |  |
| | BMC-20802[PAS] Straight Fitting Dust-free Normal Materia | | BML-20802[PAS] Side Fitting Dust-free Normal Materia | | |
| | BMC Weight 13.1g | | BML Weight 21.5g | | |

Paremeter

| | | | | | | | |
|-------------------------|-------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-4mm | Gripping force | 0-0.5N | Theoretical gripping load** | 0-18g | Ideal gripping workpiece size* | 2mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

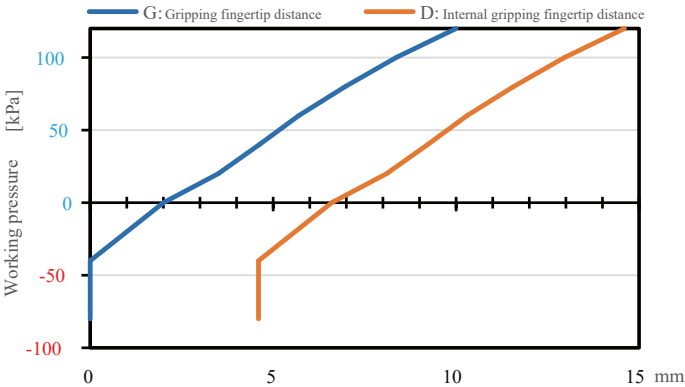
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



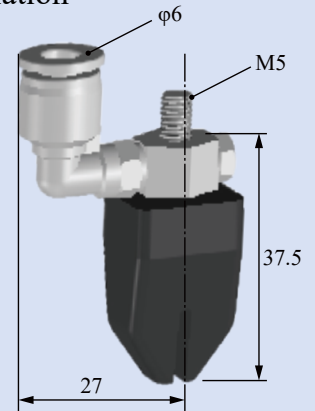
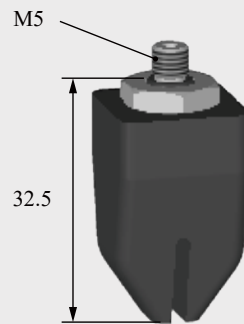
Pressure-Fingertip Distance deformation curve



BML Side Fitting Installation



Scan to watch videos



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)



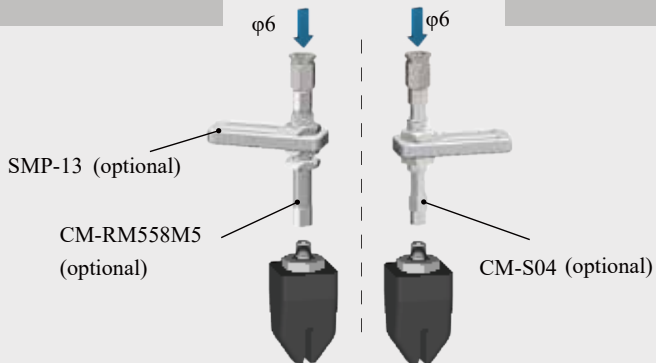
Robotic Arm Flange Side Fitting Installation

Six Axis Robitic Arm

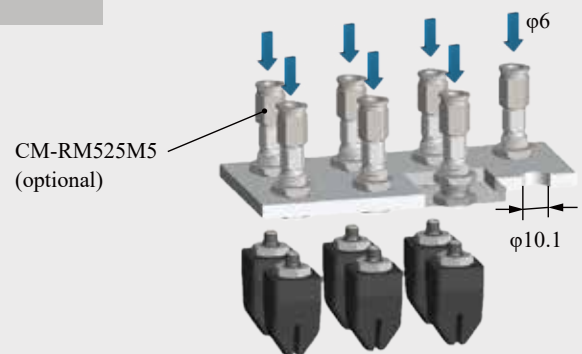
FCM-S01 (optional)

 φ_6

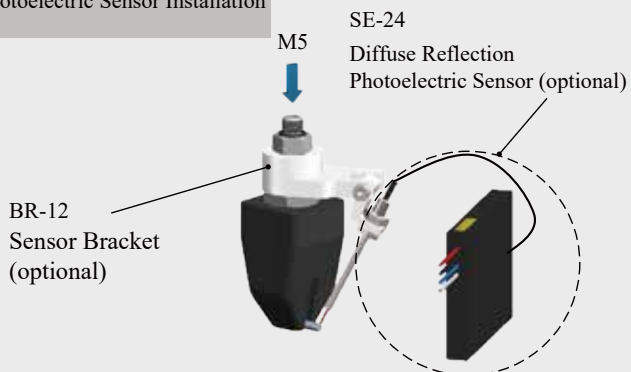
Rigid Connection Installation



Buffer Installation Matrix Installation




Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LPAS] is preferred.

| | | | |
|---|---|---|---|
|  | BMC-20802[LP] Straight Fitting Anti-static Normal Material | BML-20802[LP] Side Fitting Anti-static Normal Material |  |
| | BMC-20802[LP] Straight Fitting Anti-static Dust-free Normal Material | BML-20802[LP] Side Fitting Anti-static Dust-free Normal Material | |
| | BMC Weight 12.6g | BML Weight 21.3g | |

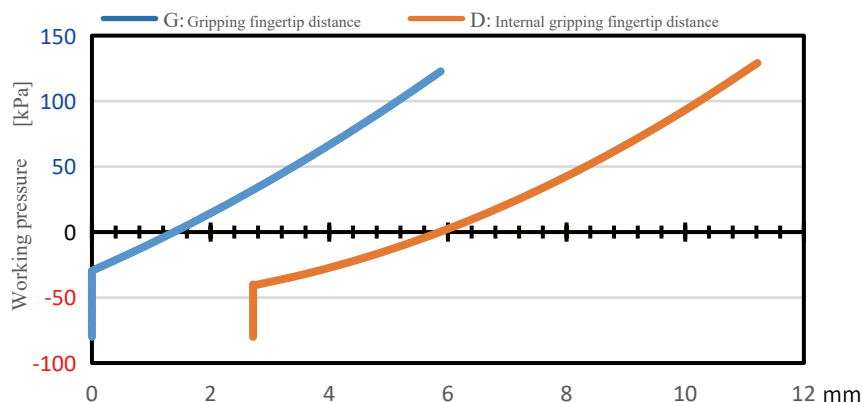
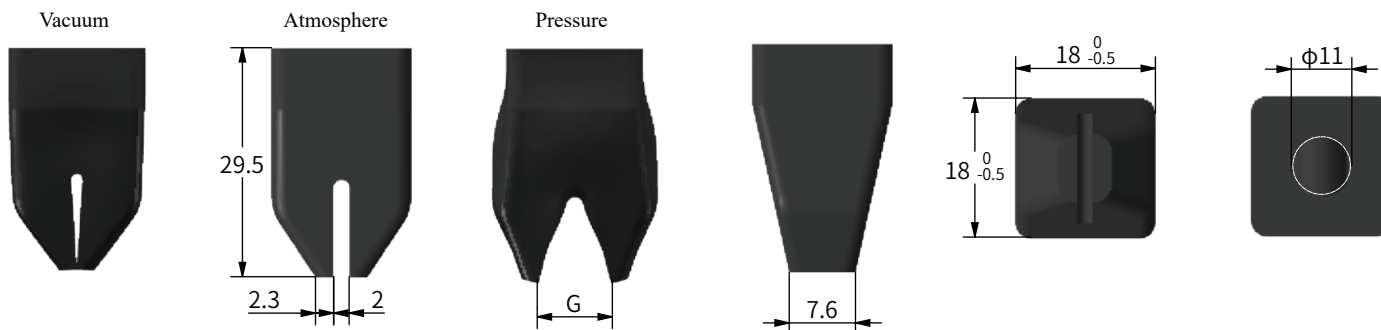
Parameter

| | | | | | | | |
|-------------------------|-------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-4mm | Gripping force | 0-0.5N | Theoretical gripping load** | 0-18g | Ideal gripping workpiece size* | 2mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

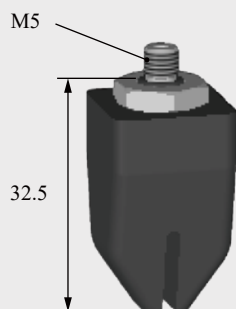
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

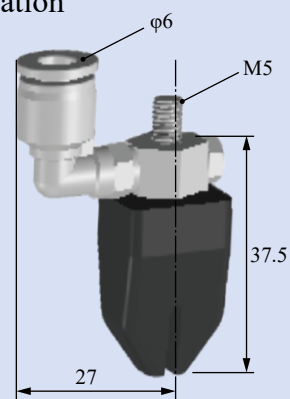


Installation

BMC Straight Fitting Installation



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)

φ6

Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

φ6

Rigid Connection Installation

φ6

SMP-13 (optional)

CM-RM558M5 (optional)

Buffer Installation

φ6

CM-S04 (optional)

Matrix Installation

CM-RM525M5 (optional)

φ6

φ10.1

Photoelectric Sensor Installation

M5


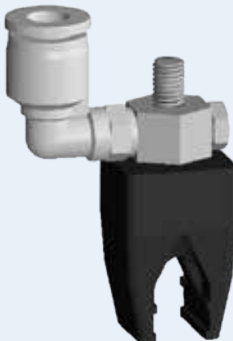
SE-24

Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-21608[P] Straight Fitting Normal Materia | | BML-21608[P] Side Fitting Normal Materia | |  |
| | BMC-21608[PAS] Straight Fitting Dust-free Normal Materia | | BML-21608[PAS] Side Fitting Dust-free Normal Materia | | |
| | BMC Weight 13g | | BML Weight 21.4g | | |

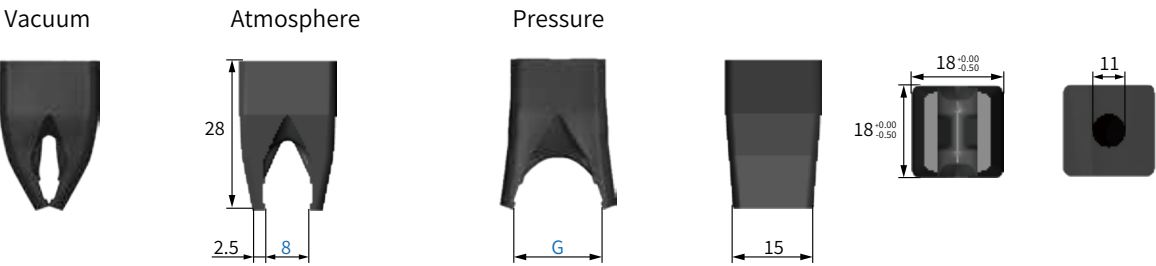
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-12mm | Gripping force | 0-1N | Theoretical gripping load** | 0-38g | Ideal gripping workpiece size* | 8mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

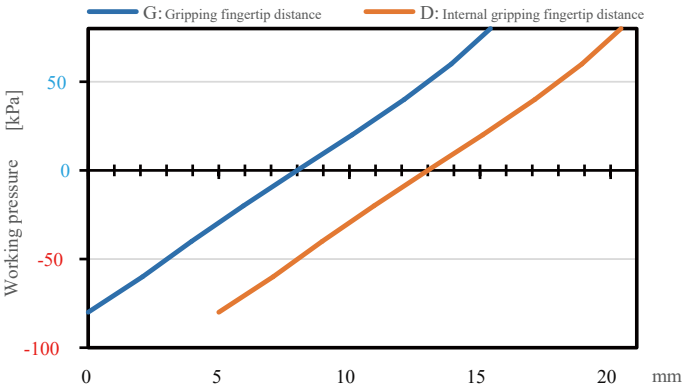
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

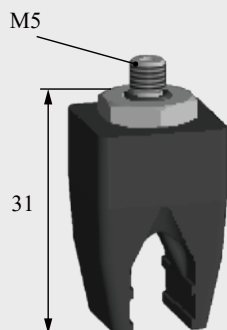


Installation

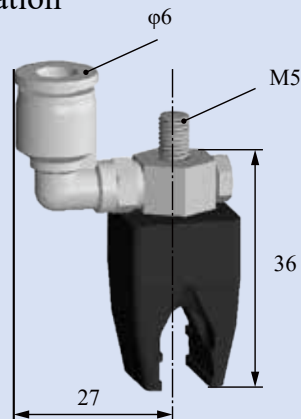
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

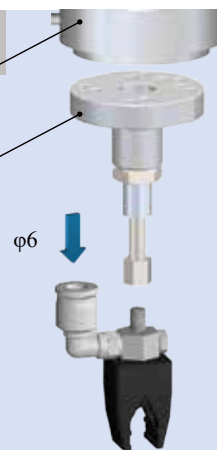
CP-191 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



Rigid Connection Installation

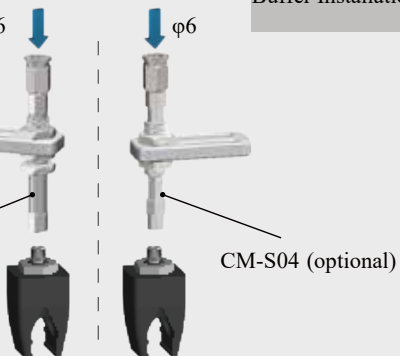
φ6

φ6

SMP-13 (optional)

CM-RM558M5 (optional)

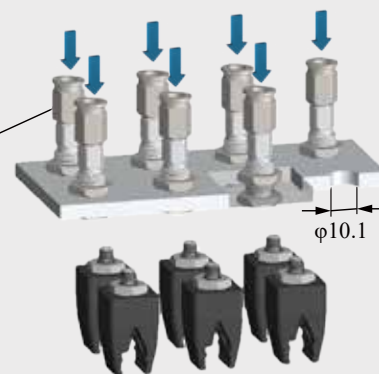
CM-S04 (optional)



Buffer Installation

Matrix Installation

CM-RM525M5 (optional)



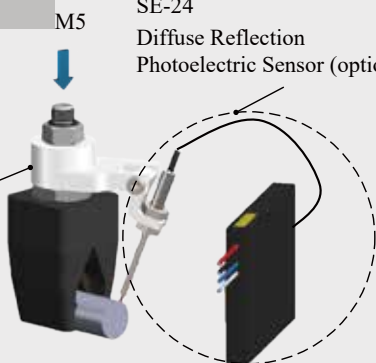
Photoelectric Sensor Installation

M5

SE-24


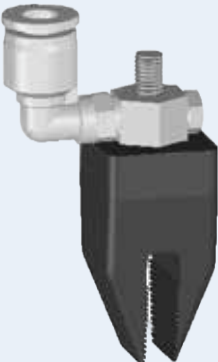
Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-20005V[P] Straight Fitting Normal Materia | | BML-20005V[P] Side Fitting Normal Materia | |  |
| | BMC-20005V[PAS] Straight Fitting Dust-free Normal Materia | | BML-20005V[PAS] Side Fitting Dust-free Normal Materia | | |
| | BMC Weight | | 16.9g | BML Weight | |

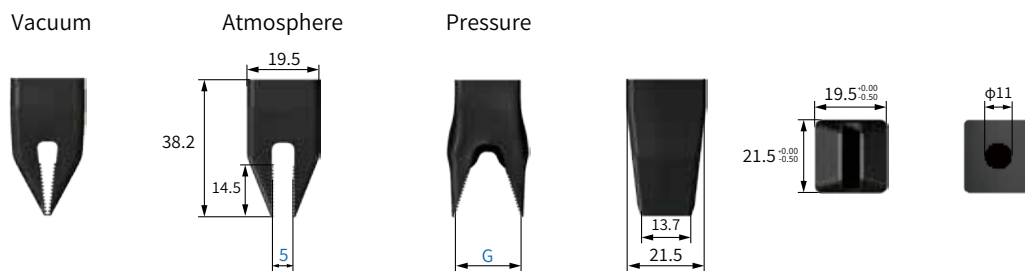
Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-15mm | Gripping force | 0-1.2N | Theoretical gripping load** | 0-50g | Ideal gripping workpiece size* | 5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

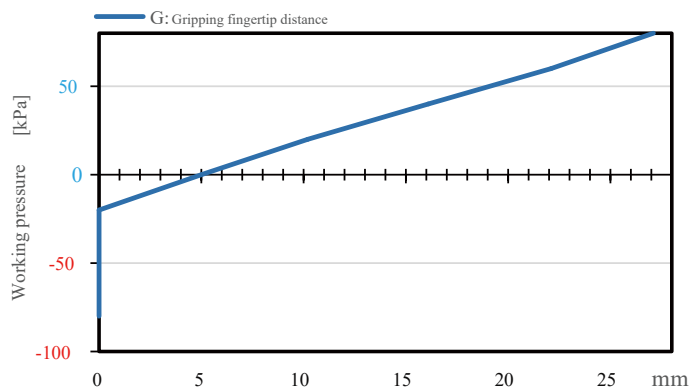
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

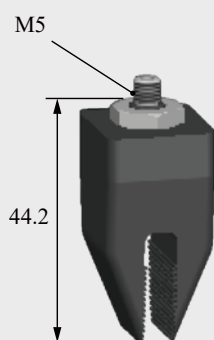


Installation

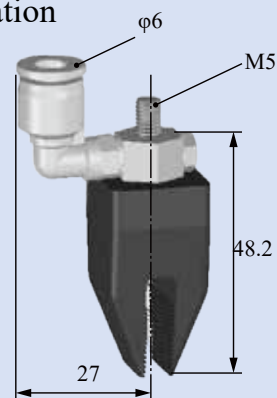
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

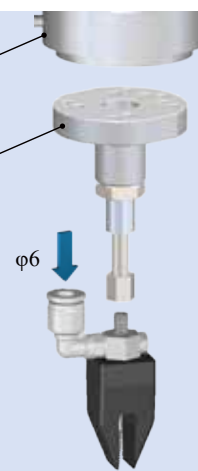
CP-191 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

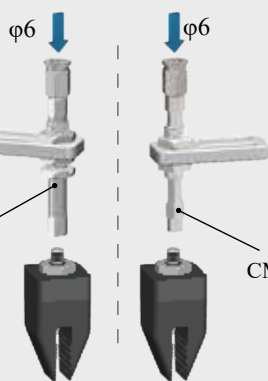
FCM-S01(optional)



Rigid Connection Installation

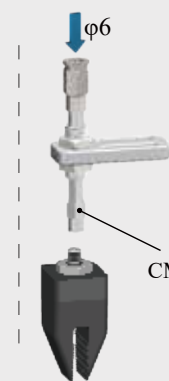
SMP-13 (optional)

CM-RM558M5 (optional)



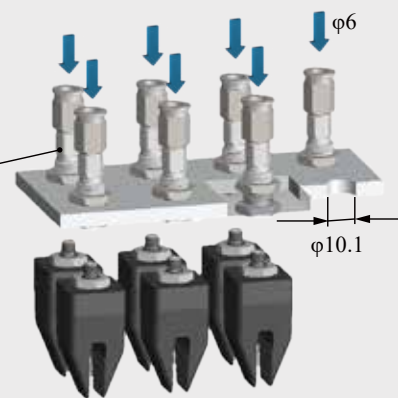
Buffer Installation

CM-S04 (optional)



Matrix Installation

CM-RM525M5 (optional)

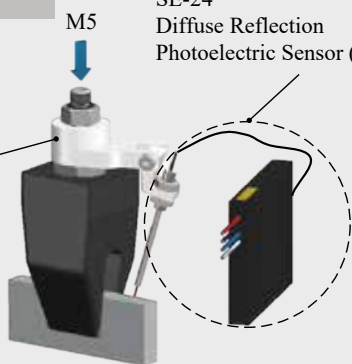


Photoelectric Sensor Installation

BR-12 Sensor Bracket (optional)


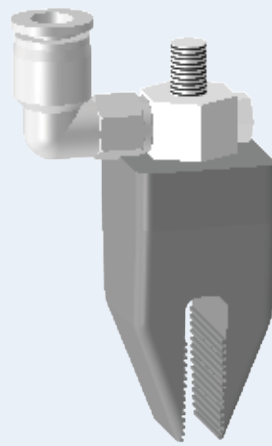
M5

SE-24 Diffuse Reflection Photoelectric Sensor (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-20005V[H] Straight Fitting Strengthen Materia | | BML-20005V[H] Side Fitting Strengthen Materia | |  |
| | BMC-20005V[H] Straight Fitting Dust-free Strengthen Materia | | BML-20005V[H] Strengthen Materia Side Fitting Dust-free | | |
| | BMC Weight | | 16.9g | BML Weight | |

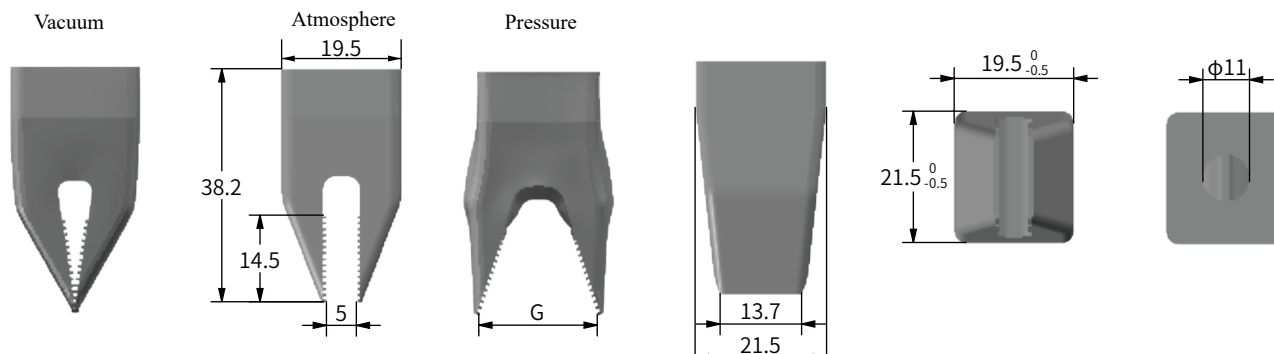
Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-15mm | Gripping force | 0-2.5N | Theoretical gripping load** | 0-99g | Ideal gripping workpiece size* | 5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <160kPa |

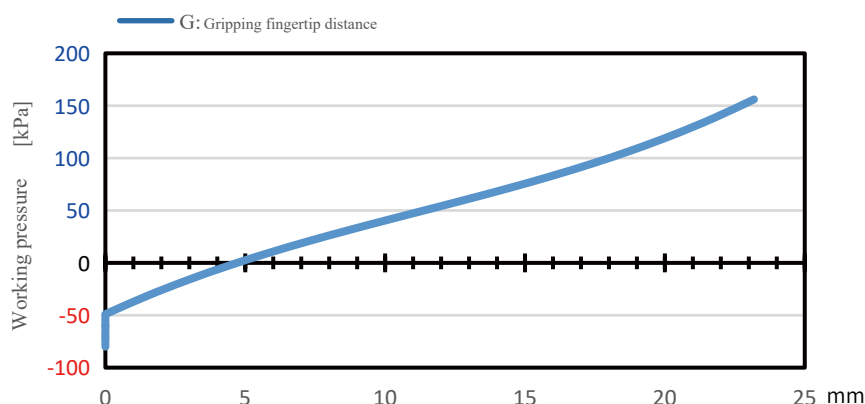
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

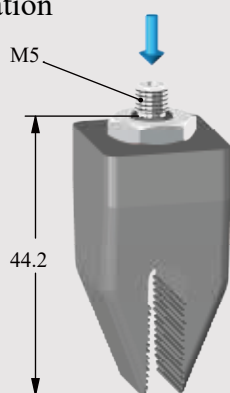


Pressure-Fingertip Distance deformation curve

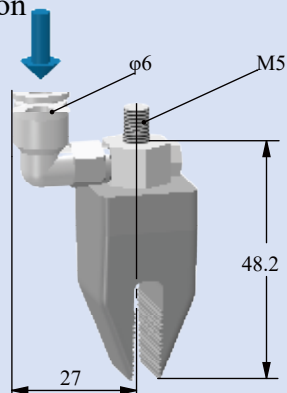


Installation

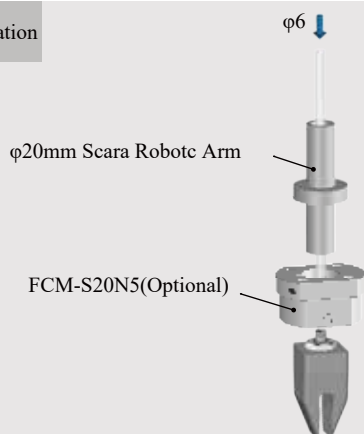
BMC Straight Fitting Installation



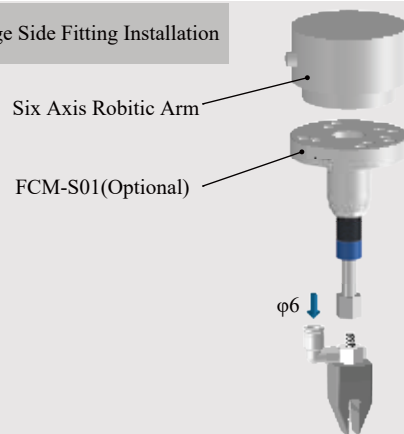
BML Side Fitting Installation



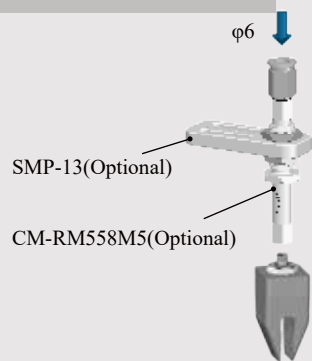
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation



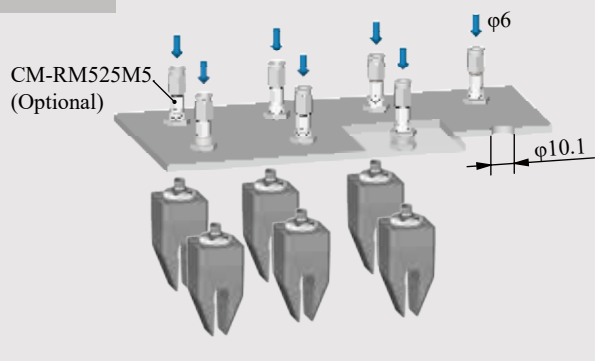
Rigid Connection Installation



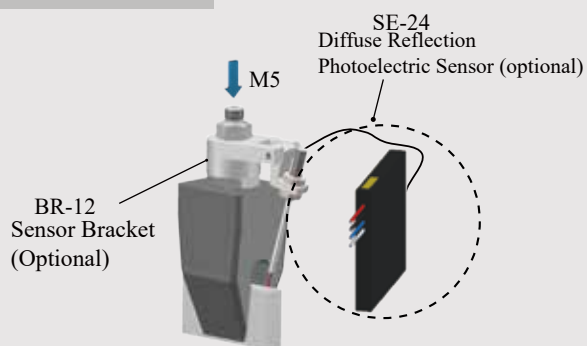
Buffer Installation



Matrix Installation



Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LHAS] is preferred.

| | | | | | |
|---|--|-------|--|--|---|
|  | BMC-20005V[LH] Straight Fitting Anti-static Strengthen Materia | | BML-20005V[LH] Side Fitting Anti-static Strengthen Materia | |  |
| | BMC-20005V[LH] Straight Fitting Anti-static Dust-free Strengthen Materia | | BML-20005V[LH] Side Fitting Anti-static Dust-free Strengthen Materia | | |
| BMC Weight | | 16.9g | BML Weight | | 25.6g |

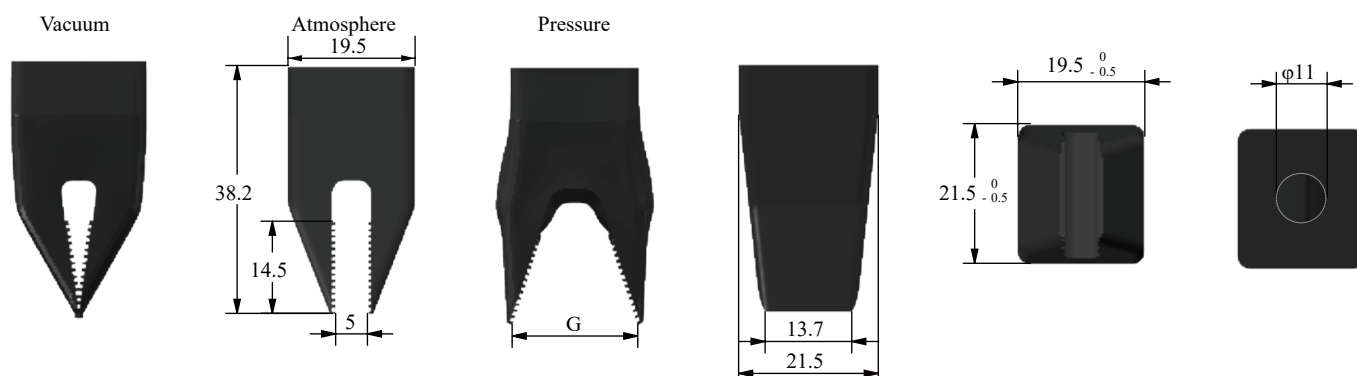
Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-----------------|--------------------------------------|--------|---|---------|
| Gripping range | 1-15mm | Gripping force | 0-2.5N | Theoretical gripping load** | 0-99g | Ideal gripping workpiece size* | 5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 50million times | Contact Temperature | <220°C | Safe pressure*** | <160kPa |

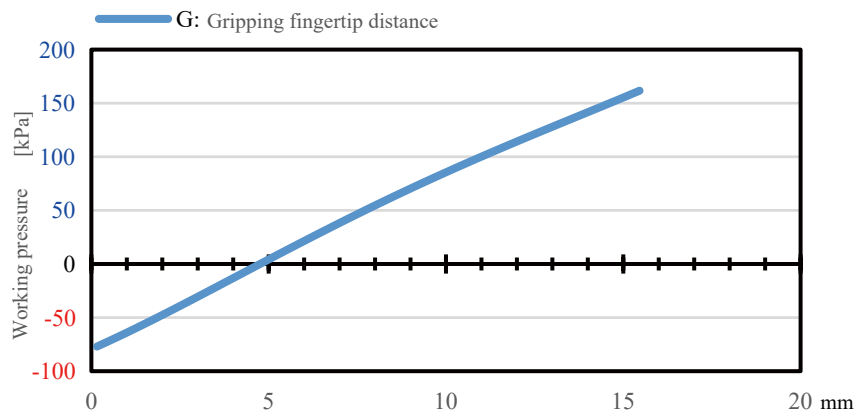
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

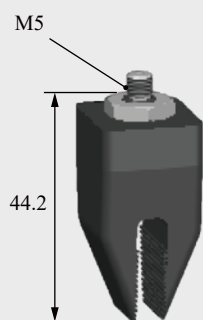


Pressure-Fingertip Distance deformation curve

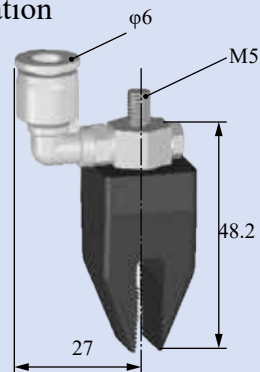


Installation

BMC Straight Fitting Installation



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)

φ6

Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(optional)

φ6

Rigid Connection Installation

φ6

φ6

SMP-13 (optional)

CM-RM558M5 (optional)

Buffer Installation

CM-S04 (optional)

Matrix Installation

CM-RM525M5 (optional)

φ6

φ10.1

Photoelectric Sensor Installation


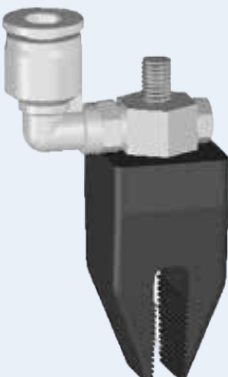
M5

SE-24
Diffuse Reflection
Photoelectric Sensor (optional)

BR-12
Sensor Bracket
(optional)

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.
- Used in conjunction with the fitting PN-CW5A11, the installation angle of the flexible claw will not shift after multiple openings and closings.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-20005V[P]/A11 Straight Anti-rotation Normal Materia | | BML-20005V[P]/A11 Side Anti-rotation Normal Materia | |  |
| | BMC-20005V[PAS]/A11 Straight Fitting Anti-rotation Dust-free Normal Materia | | BML-20005V[PAS]/A11 Side Fitting Anti-rotation Dust-free Normal Materia | | |
| | BMC Weight 16.6g | | BML Weight 24.9g | | |

Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-15mm | Gripping force | 0-1.2N | Theoretical gripping load** | 0-50g | Ideal gripping workpiece size* | 5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

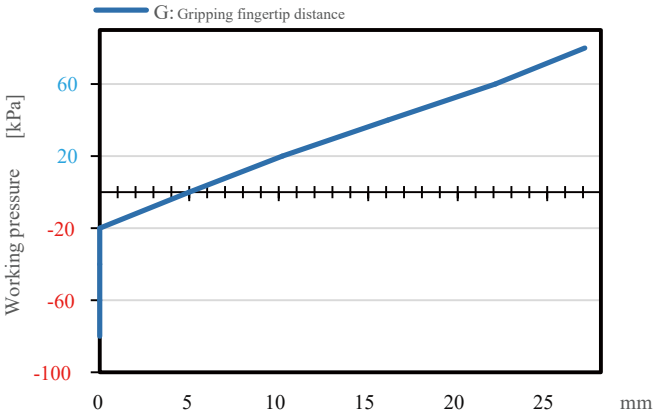
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

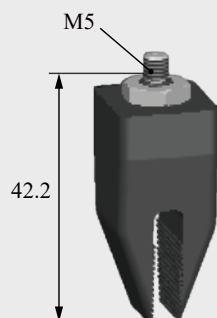


Installation

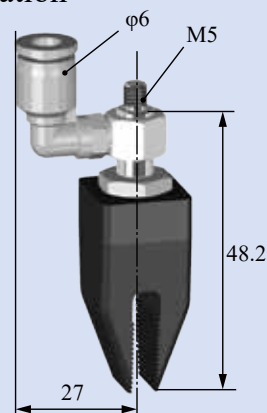
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

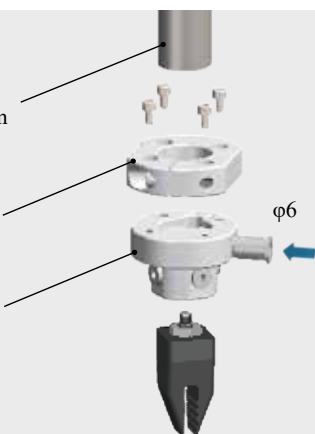


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

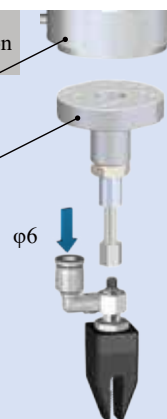
CP-191 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

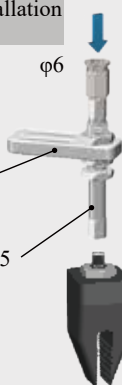
FCM-S01 (optional)



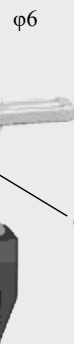
Rigid Connection Installation

φ6
SMP-13 (optional)

CM-RM558M5 (optional)



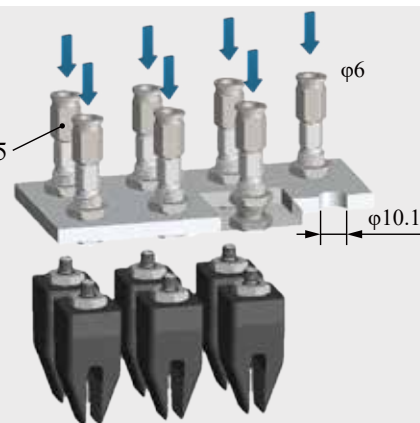
Buffer Installation



CM-S04 (optional)

Matrix Installation

CM-RM525M5 (optional)

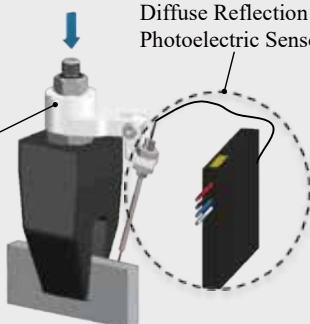


Photoelectric Sensor Installation

BR-12
Sensor Bracket (optional)

M5

SE-24
Diffuse Reflection
Photoelectric Sensor (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|---|---|--|-------|
|  | BMC-20006[P] Straight Fitting Normal Materia | BML-20006[P] Side Fitting Normal Materia |  | | |
| | BMC-20006[PAS] Straight Fitting Dust-free Normal Materia | BML-20006[PAS] Side Fitting Dust-free Normal Materia | | | |
| BMC Weight | | 16.3g | BML Weight | | 24.7g |

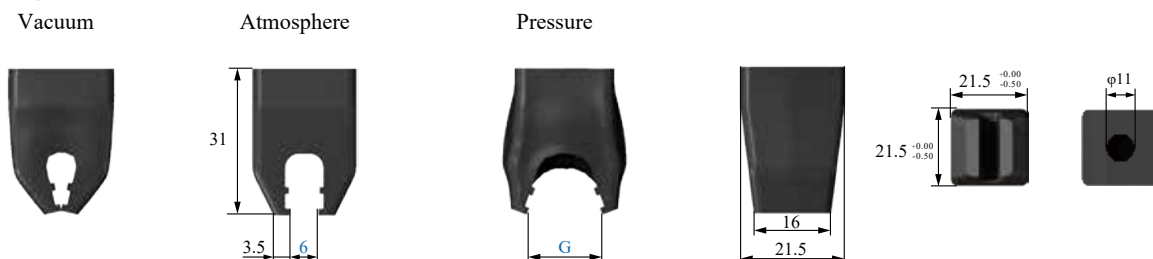
Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-12mm | Gripping force | 0-1N | Theoretical gripping load** | 0-80g | Ideal gripping workpiece size* | 6mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

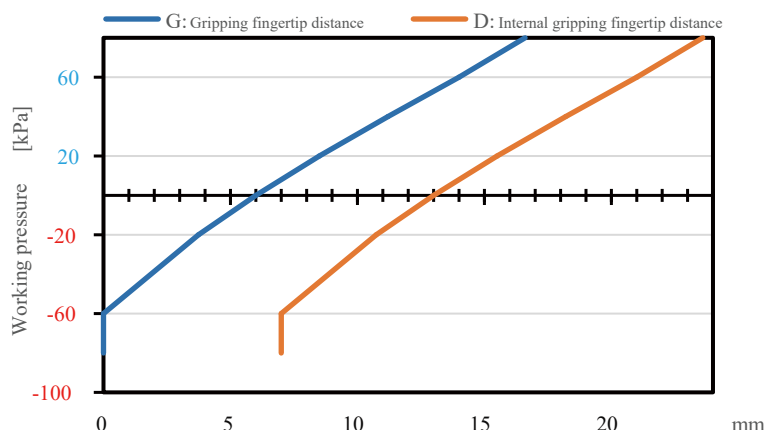
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

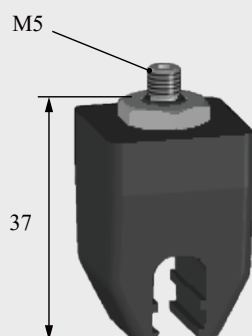


Installation

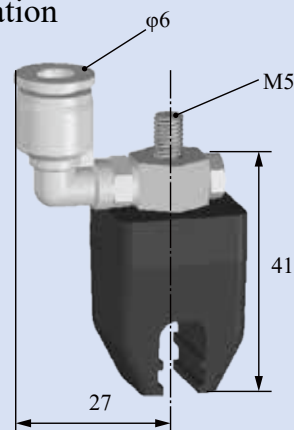
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

CP-191 (optional)

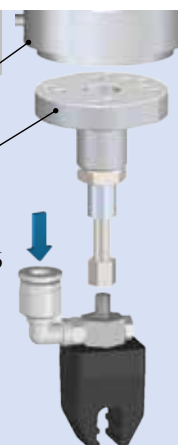


Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

φ6



Rigid Connection Installation

Buffer Installation

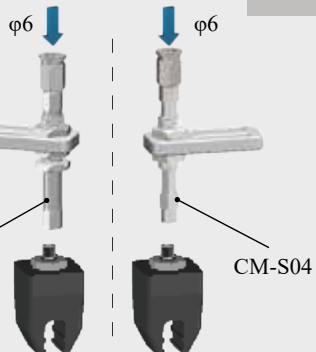
SMP-13 (optional)

CM-RM558M5 (optional)

φ6

φ6

CM-S04

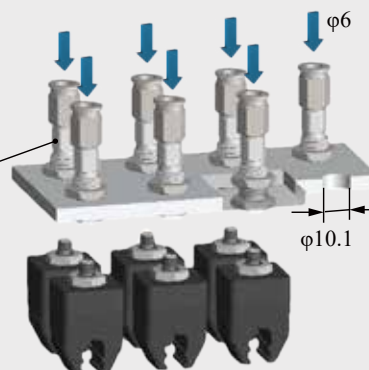


Matrix Installation

CM-RM525M5 (optional)

φ6

φ10.1



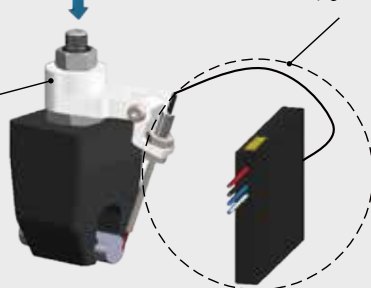
Photoelectric Sensor Installation

SE-24

M5


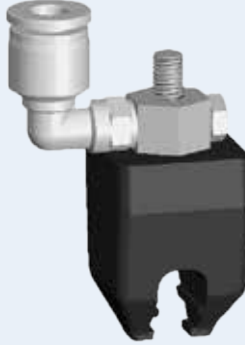
Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-20606[P] Straight Fitting Normal Materia | | BML-20606[P] Side Fitting Normal Materia | |  |
| | BMC-20606[PAS] Straight Fitting Dust-free Normal Materia | | BML-20606[PAS] Side Fitting Dust-free Normal Materia | | |
| | BMC Weight 16.3g | | BML Weight 24.7g | | |

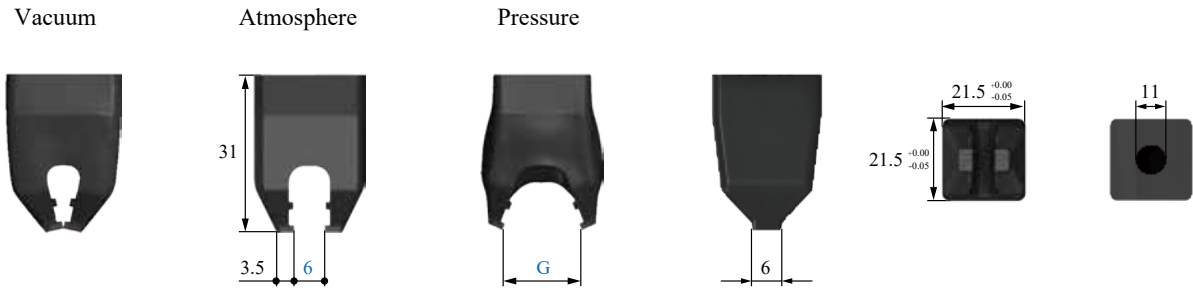
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-12mm | Gripping force | 0-1N | Theoretical gripping load** | 0-80g | Ideal gripping workpiece size* | 6mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

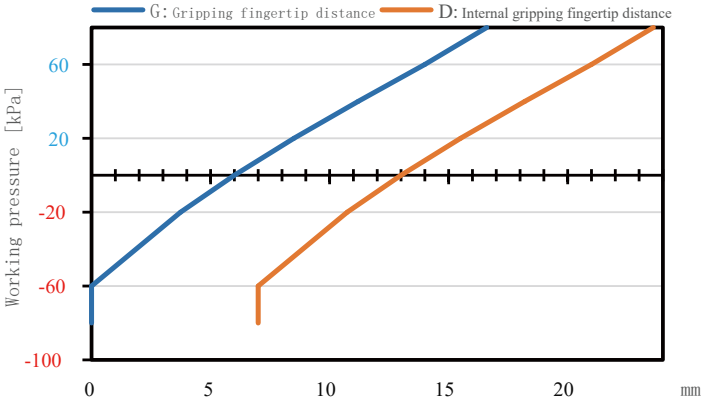
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.




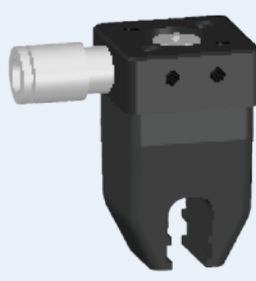
Pressure-Fingertip Distance deformation curve



99

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure.It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-21606[P]/M Straight Fitting Normal Materia | | BML-21606[P]/M Side Fitting Normal Materia | |  |
| | BMC-21606[PAS]/M Straight Fitting Dust-free Normal Materia | | BML-21606[PAS]/M Side Fitting Dust-free Normal Materia | | |
| | BMC Weight 23.7g | | BML Weight 24.6g | | |

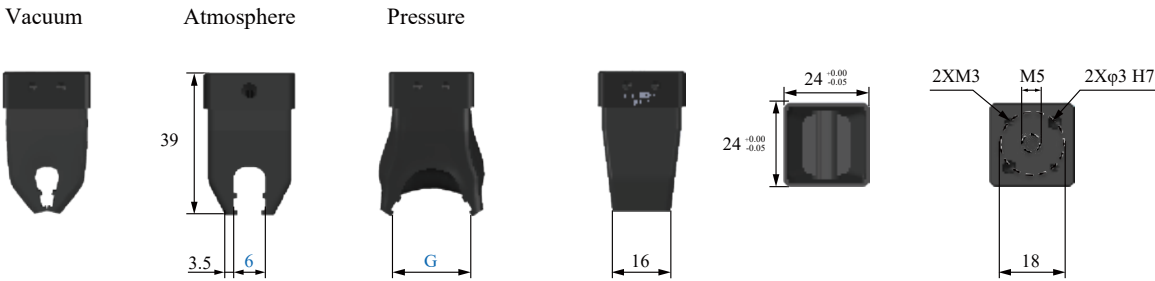
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|-------|---|--------|
| Gripping range | 0-12mm | Gripping force | 0-1N | Theoretical gripping load** | 0-80g | Ideal gripping workpiece size* | 6mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220℃ | Safe pressure*** | <80kPa |

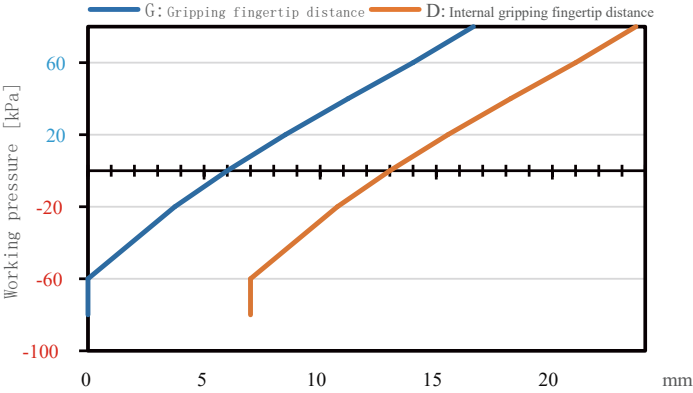
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

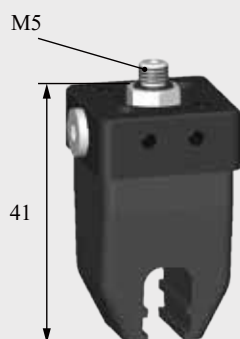


Pressure-Fingertip Distance deformation curve

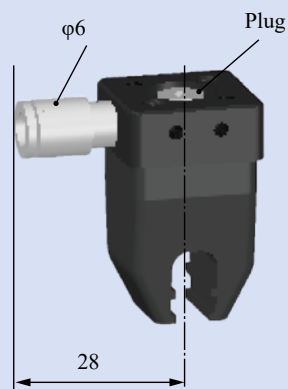


Installation

BMC Straight Fitting Installation



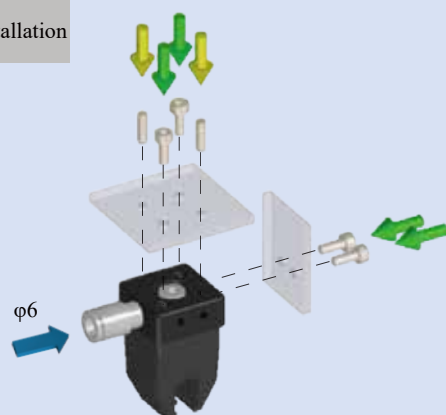
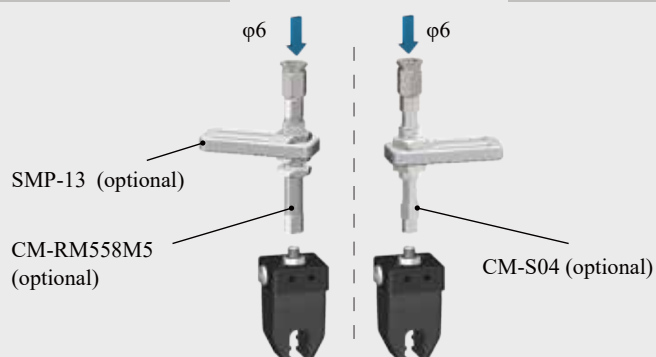
BML Side Fitting Installation



Rigid Connection Installation

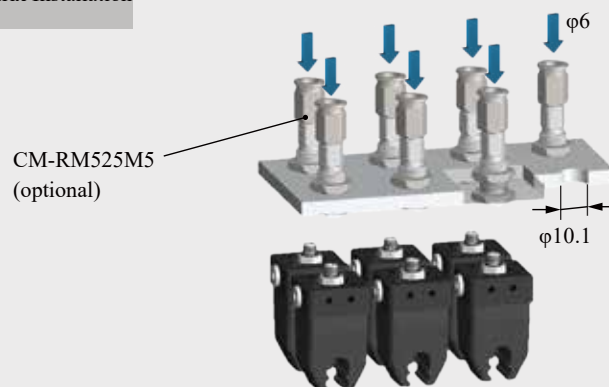
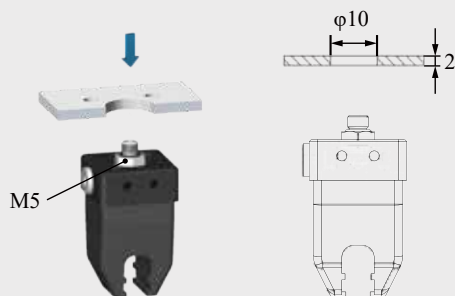
Buffer Installation

Side Access Partition Installation



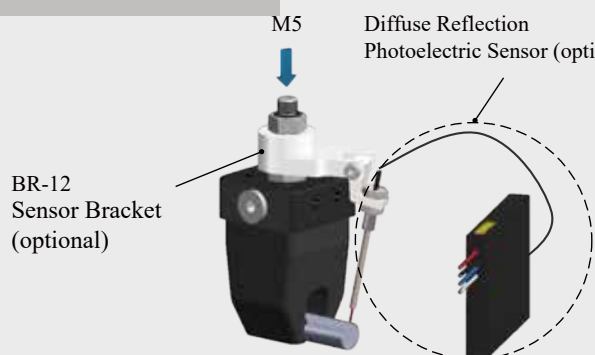
Precise Positioning Installation

Matrix Installation



Photoelectric Sensor Installation

SE-24
Diffuse Reflection
Photoelectric Sensor (optional)

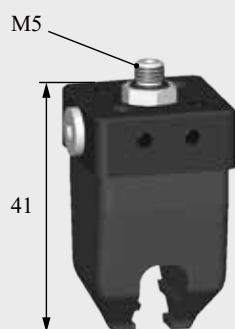


Installation

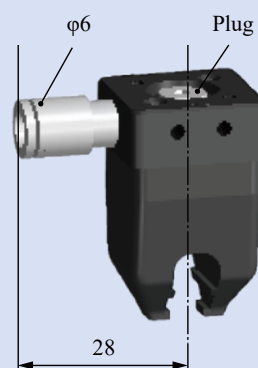
BMC Straight Fitting Installation



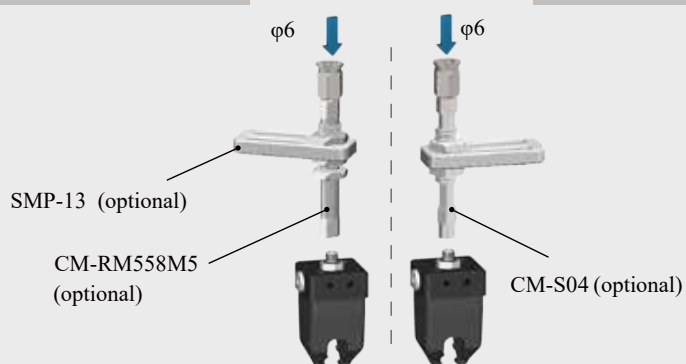
Scan to watch videos



BML Side Fitting Installation

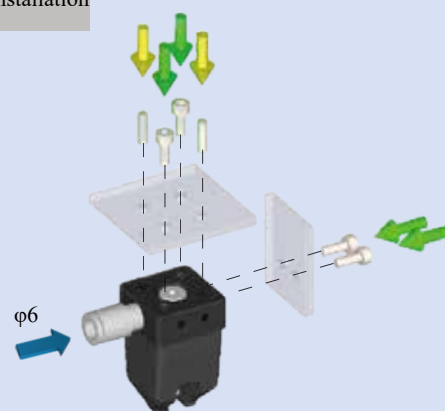


Rigid Connection Installation

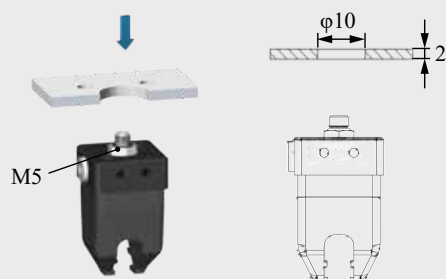


Buffer Installation

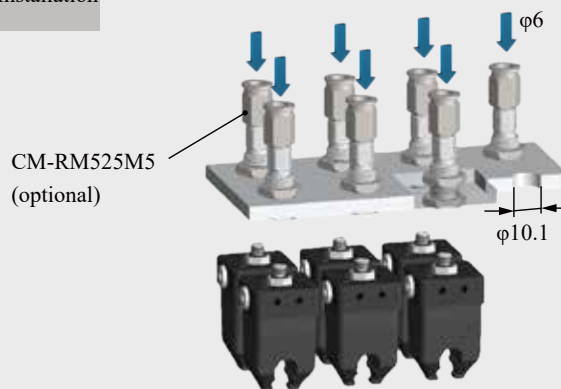
Side Access Partition Installation



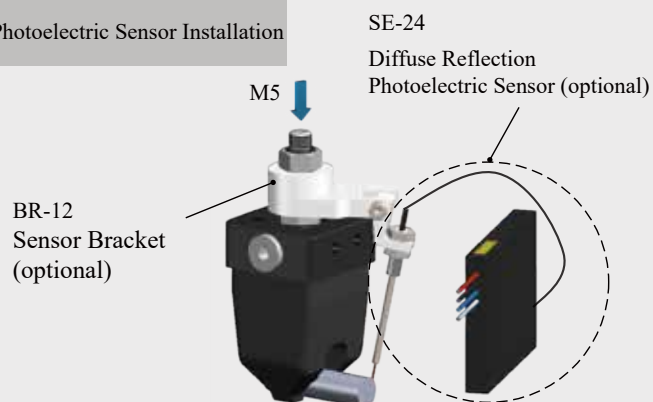
Precise Positioning Installation



Matrix Installation


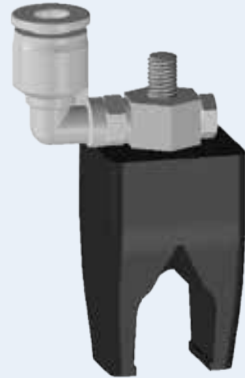


Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|---|------------|---|-------|
|  | BMC-21413[P] Straight Fitting Normal Materia | BML-21413[P] Side Fitting Normal Materia | |  | |
| | BMC-21413[PAS] Straight Fitting Dust-free Normal Materia | BML-21413[PAS] Side Fitting Dust-free Normal Materia | | | |
| BMC Weight | | 20.2g | BML Weight | | 28.6g |

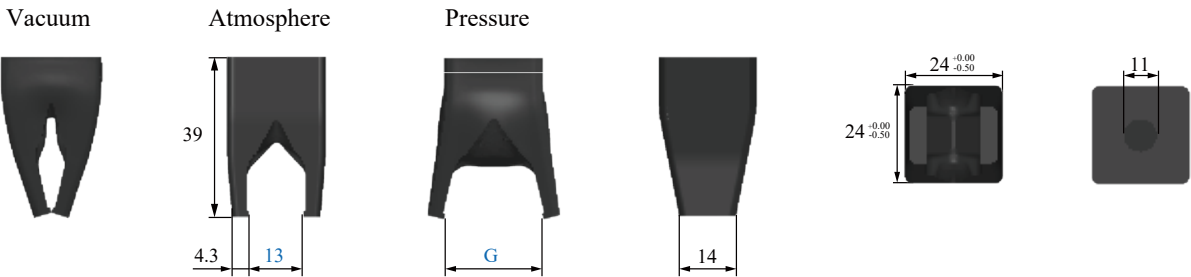
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-17mm | Gripping force | 0-1.7N | Theoretical gripping load** | 0-69g | Ideal gripping workpiece size* | 13mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <60kPa |

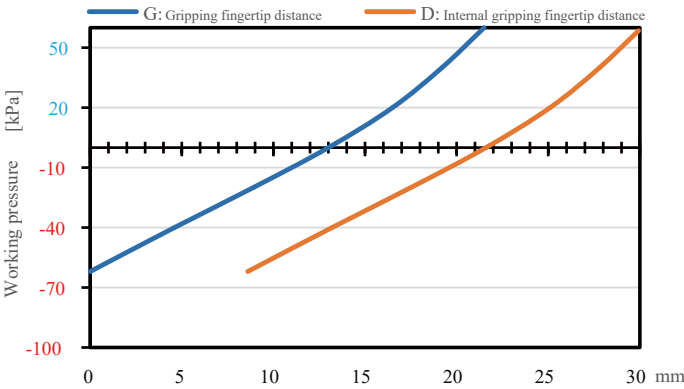
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

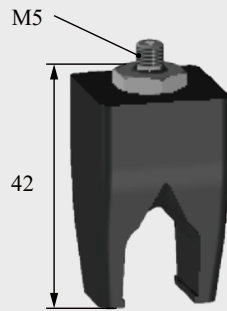


Installation

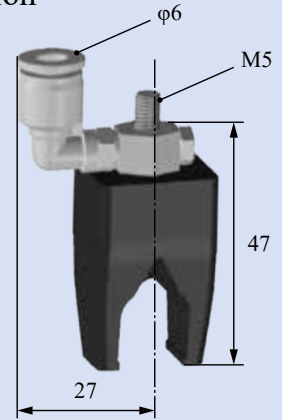
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

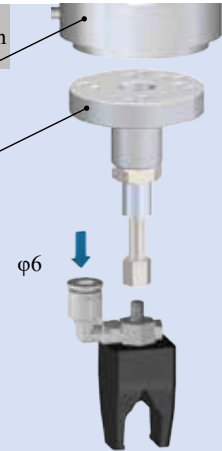
CP-191 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



Rigid Connection Installation

SMP-13 (optional)

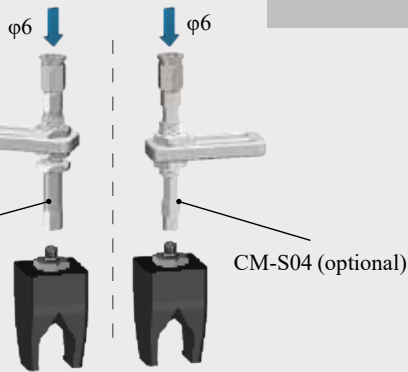
CM-RM558M5 (optional)

φ6

φ6

Buffer Installation

CM-S04 (optional)

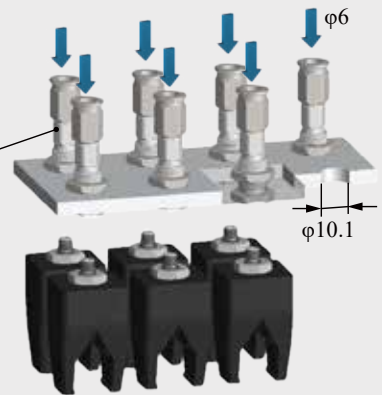


Matrix Installation

CM-RM525M5 (optional)

φ6

φ10.1

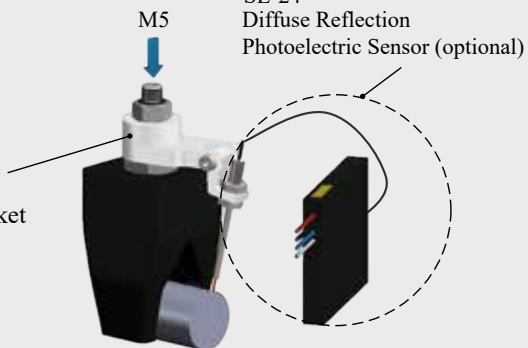


Photoelectric Sensor Installation

BR-12 Sensor Bracket (optional)

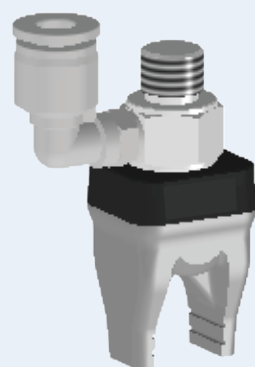
M5

SE-24 Diffuse Reflection Photoelectric Sensor (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-------|--|--|---|
|  | BMC-2G1012[H]/SN Straight Fitting Strengthen Materia | | BML-2G1012[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-2G1012[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-2G1012[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 14.5g | BML Weight | | 28.4g |

Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-14mm | Gripping force | 0-2.5N | Theoretical gripping load** | 0-102g | Ideal gripping workpiece size* | 11mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

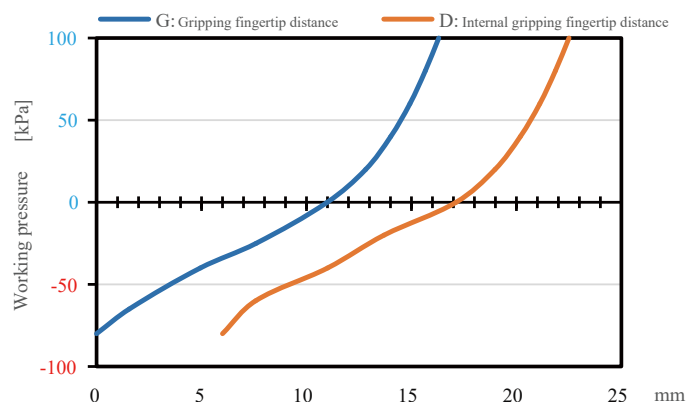
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

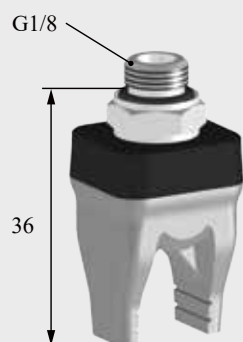


Installation

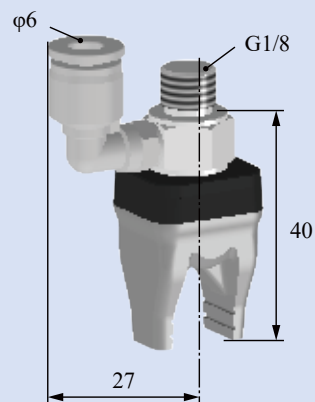
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

RF-SFB (optional)

φ6

Robotic Arm Flange Side Fitting Installation

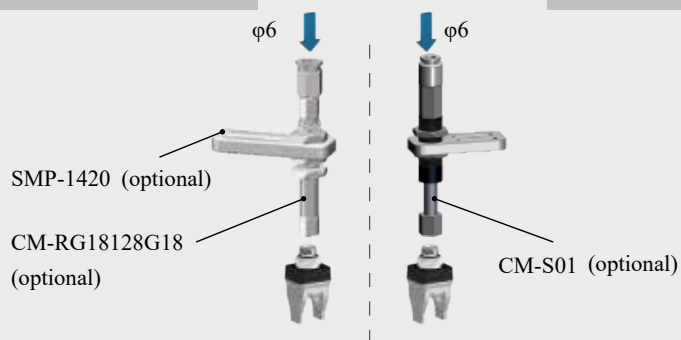
Six Axis Robotic Arm

FCM-S01 (optional)

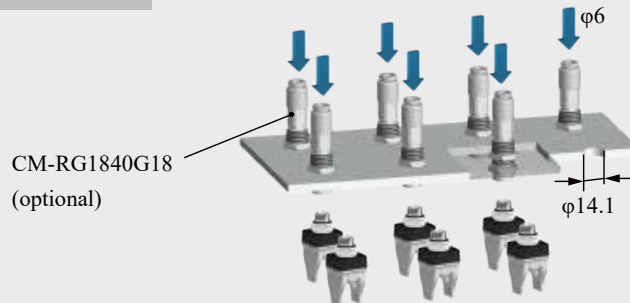
φ6

Rigid Connection Installation

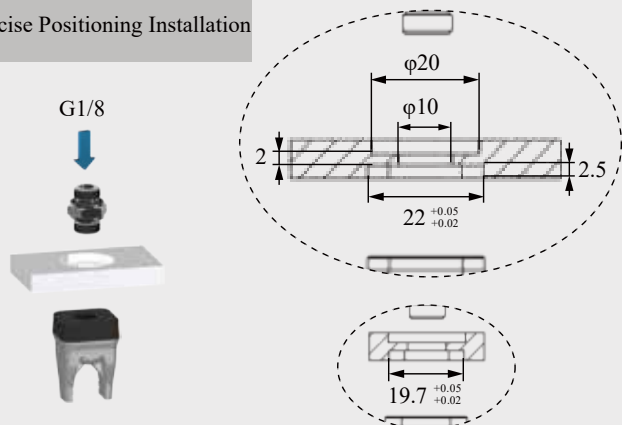
Buffer Installation



Matrix Installation



Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|------------|---|
|  | BMC-2G1217[H]/SN Straight Fitting Strengthen Materia | | BML-2G1217[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-2G1217[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-2G1217[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 19.3g | BML Weight | |

Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-18mm | Gripping force | 0-7.5N | Theoretical gripping load** | 0-299g | Ideal gripping workpiece size* | 16.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

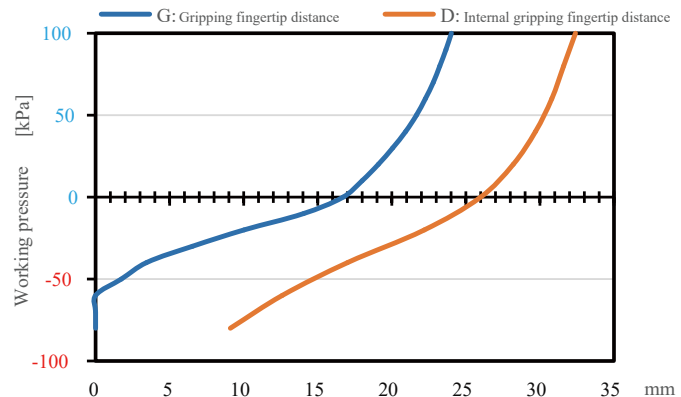
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

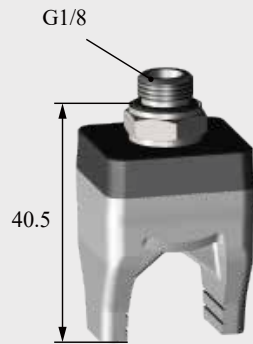


Installation

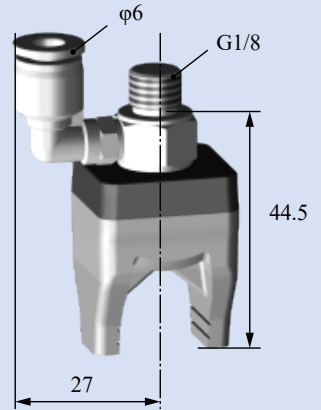
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

RF-SFB (optional)

φ6

Robotic Arm Flange Side Fitting Installation

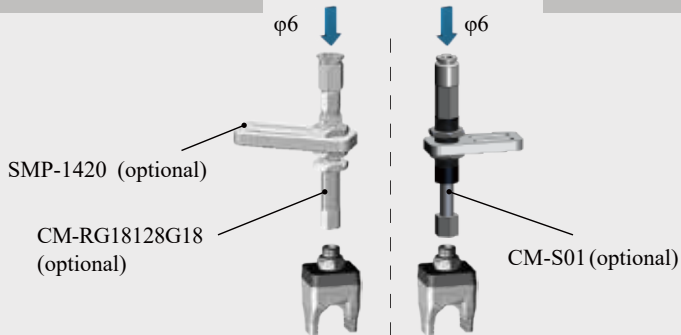
Six Axis Robotic Arm

FCM-S01 (optional)

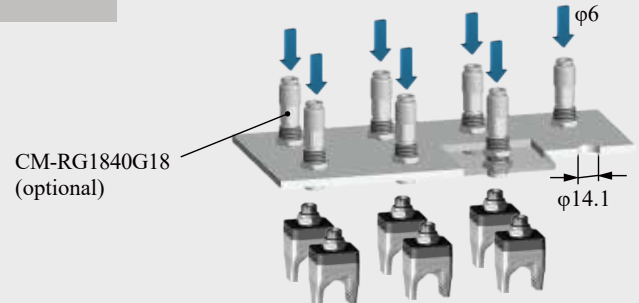
φ6

Rigid Connection Installation

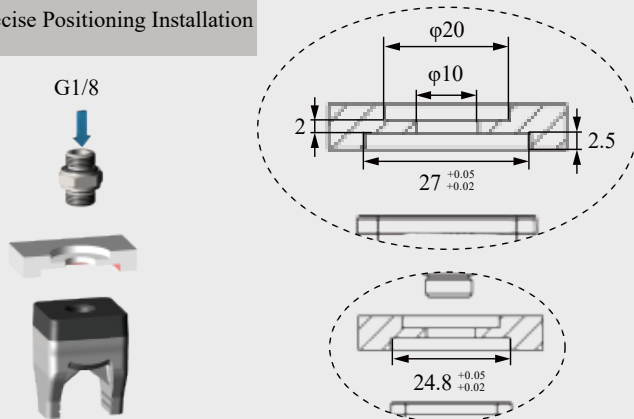
Buffer Installation



Matrix Installation




Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|---|---|---|--|-------|
|  | BMC-21812[P] Straight Fitting Normal Materia | BML-21812[P] Side Fitting Normal Materia |  | | |
| | BMC-21812[PAS] Straight Fitting Dust-free Normal Materia | BML-21812[PAS] Side Fitting Dust-free Normal Materia | | | |
| BMC Weight | | 23g | BML Weight | | 31.4g |

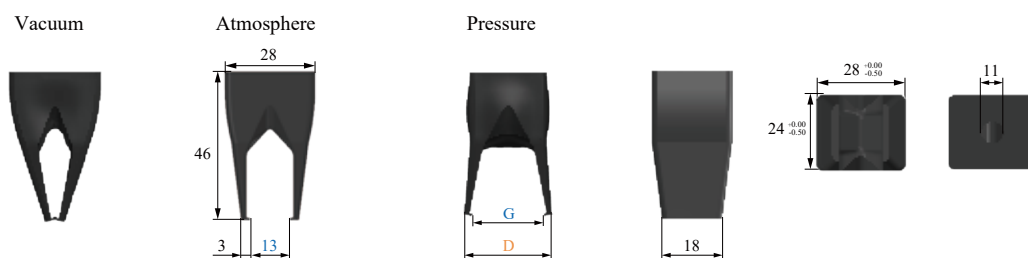
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-21mm | Gripping force | 0-1.7N | Theoretical gripping load** | 0-68g | Ideal gripping workpiece size* | 13mm |
| Internal gripping range | 11-31mm | Internal gripping force | 0-5.1N | Theoretical internal gripping load** | 0-204g | Ideal internal gripping workpiece size* | 19mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

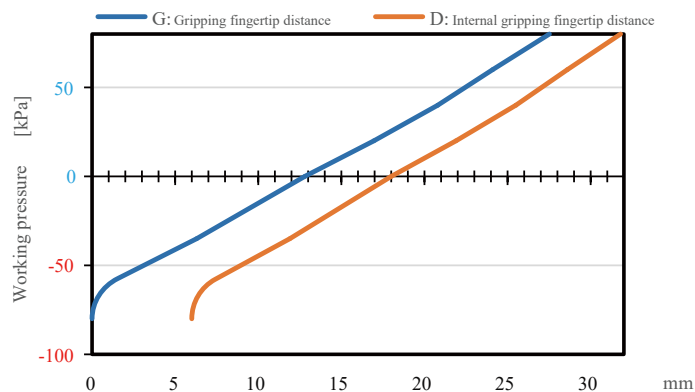
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

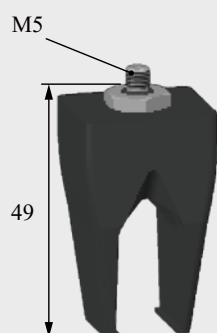


Pressure-Fingertip Distance deformation curve

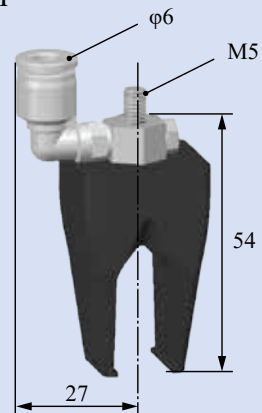


Installation

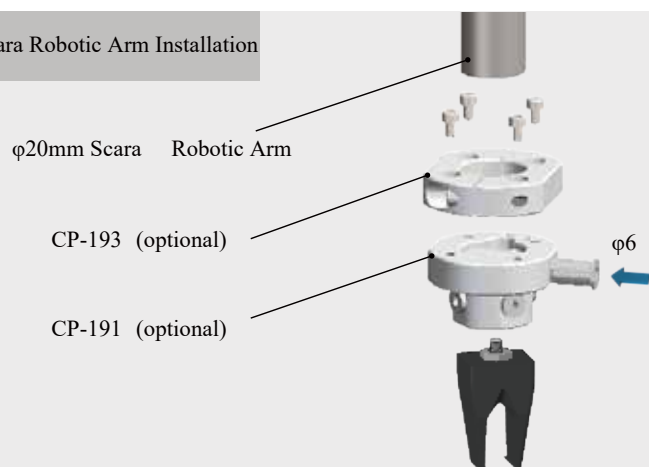
BMC Straight Fitting Installation



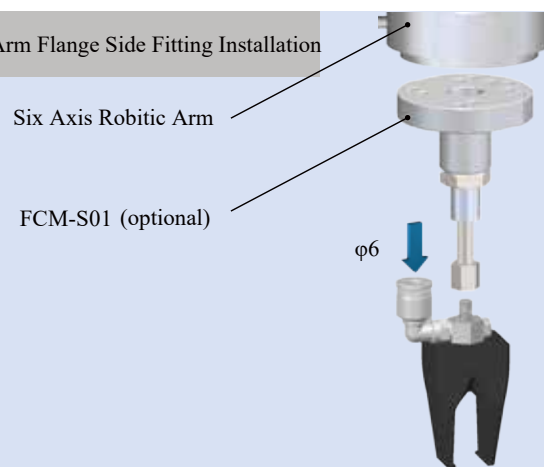
BML Side Fitting Installation



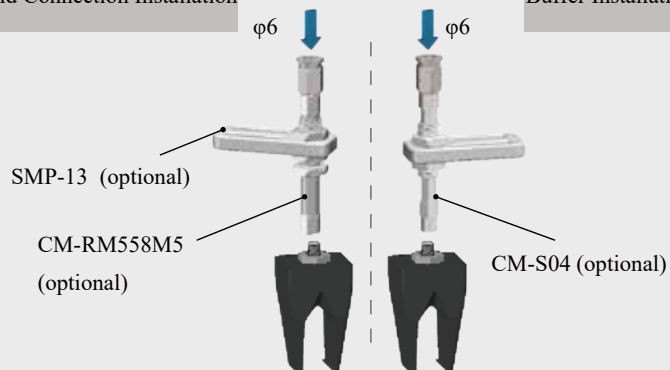
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

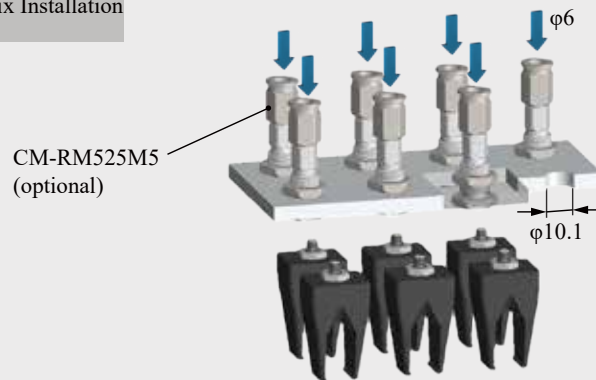


Rigid Connection Installation

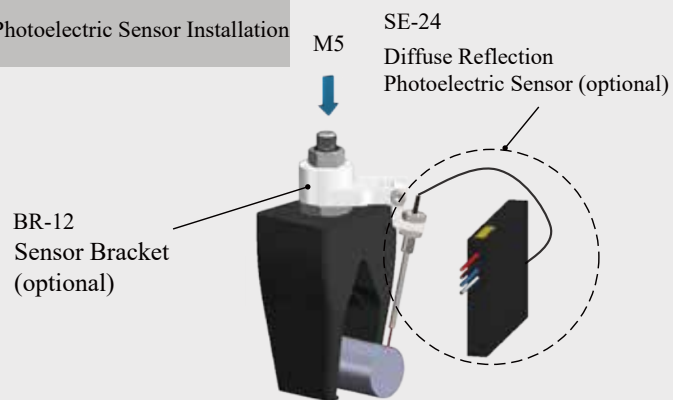


Buffer Installation

Matrix Installation





Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | |
|---|---|---|---|
|  | BMC-21812[P]/M Straight Fitting Normal Materia | BML-21812[P]/M Side Fitting Normal Materia |  |
| | BMC-21812[PAS]/M Straight Fitting Dust-free Normal Materia | BML-21812[PAS]/M Side Fitting Dust-free Normal Materia | |
| BMC Weight | | BML Weight | 40.4g |
| 39.6g | | | |

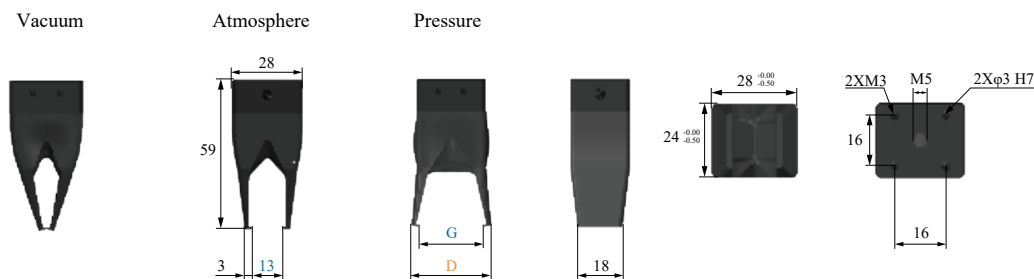
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 0-21mm | Gripping force | 0-1.7N | Theoretical gripping load** | 0-68g | Ideal gripping workpiece size* | 13mm |
| Internal gripping range | 11-31mm | Internal gripping force | 0-5.1N | Theoretical internal gripping load** | 0-204g | Ideal internal gripping workpiece size* | 19mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

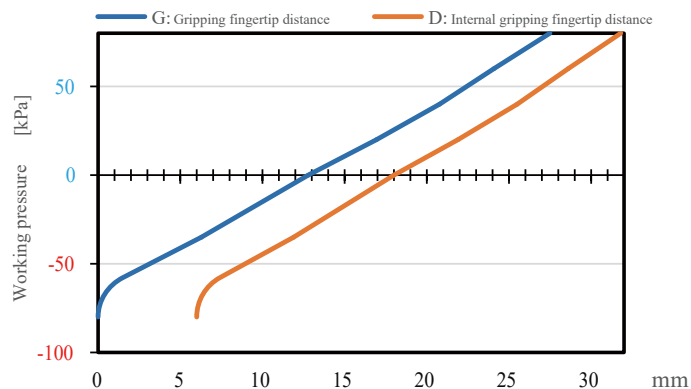
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

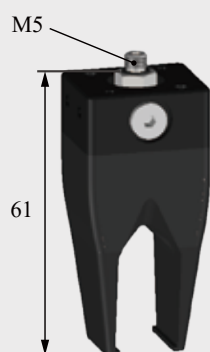


Pressure-Fingertip Distance deformation curve

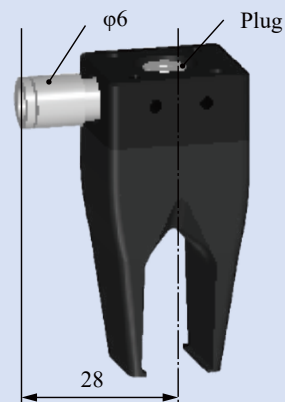


Installation

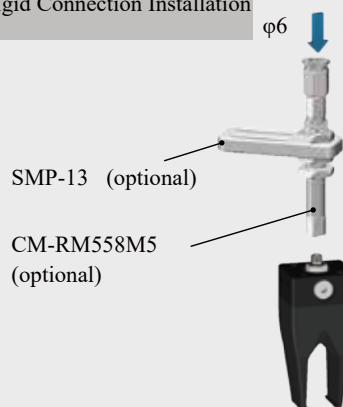
BMC Straight Fitting Installation



BML Side Fitting Installation



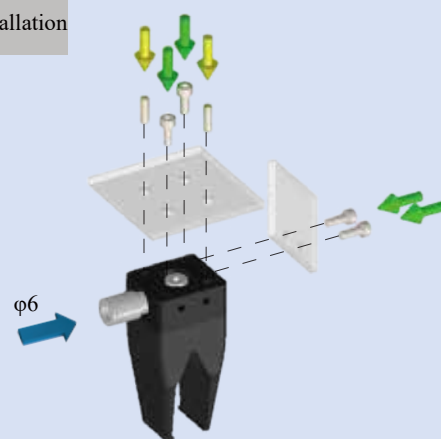
Rigid Connection Installation



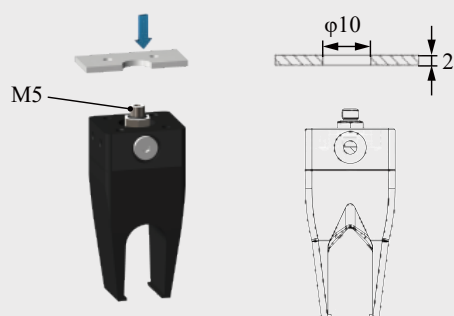
Buffer Installation



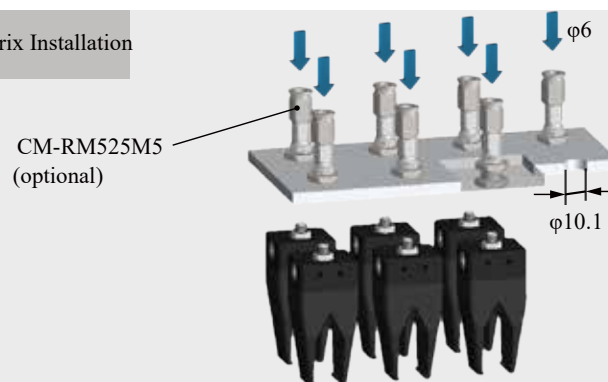
Side Access Partition Installation



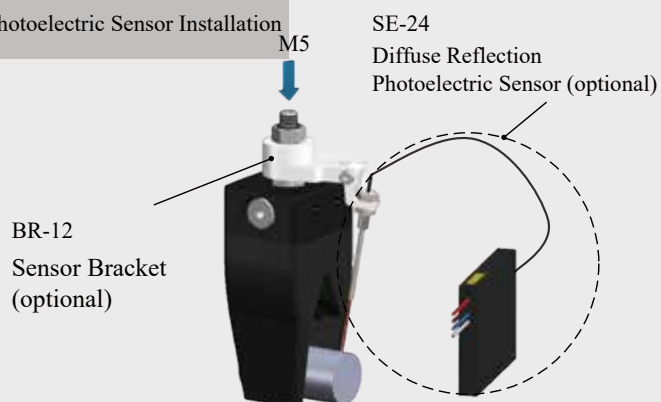
Precise Positioning Installation



Matrix Installation





Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Normal Material [P] and Dust-free Normal Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Normal Material [PAS] is preferred.

| | | | | | |
|---|--|--|---|--|-------|
|  | BMC-22219[P]/M Straight Fitting Normal Materia | BML-22219[P]/M Side Fitting Normal Materia |  | | |
| | BMC-22219[PAS]/M Straight Fitting Dust-free Normal Materia | BML-22219[PAS]/M Side Fitting Dust-free Normal Materia | | | |
| BMC Weight | | 48.3g | BML Weight | | 49.3g |

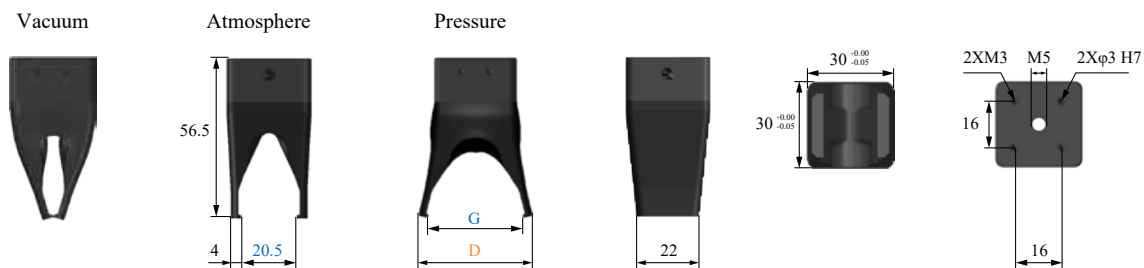
Parameter

| | | | | | | | |
|-------------------------|------------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 1.5-29.5mm | Gripping force | 0-1.1N | Theoretical gripping load** | 0-42g | Ideal gripping workpiece size* | 20mm |
| Internal gripping range | 13.5-38mm | Internal gripping force | 0-5.6N | Theoretical internal gripping load** | 0-223g | Ideal internal gripping workpiece size* | 30mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

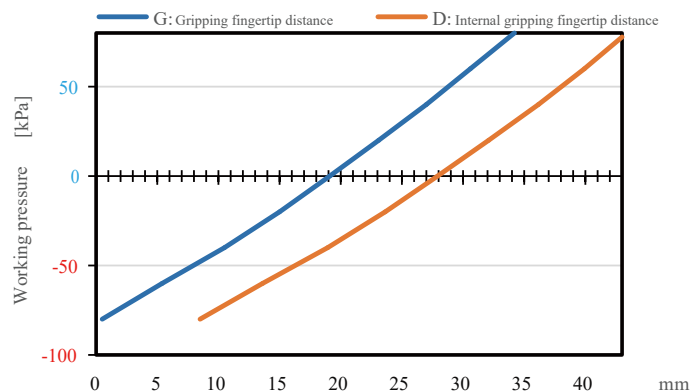
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

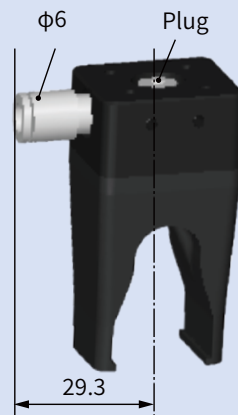
BMC Straight Fitting Installation



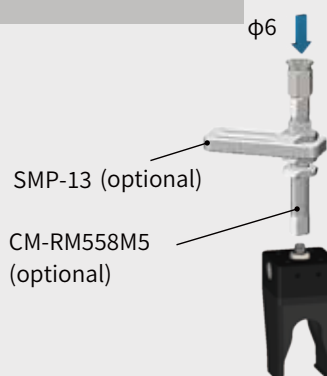
Scan to watch videos



BML Side Fitting Installation



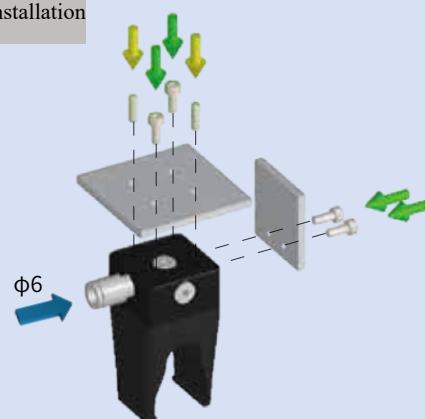
Rigid Connection Installation



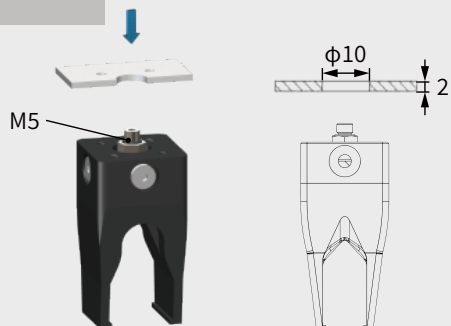
Buffer Installation



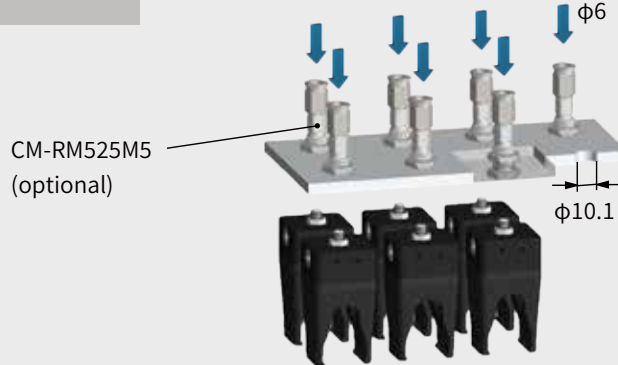
Side Access Partition Installation



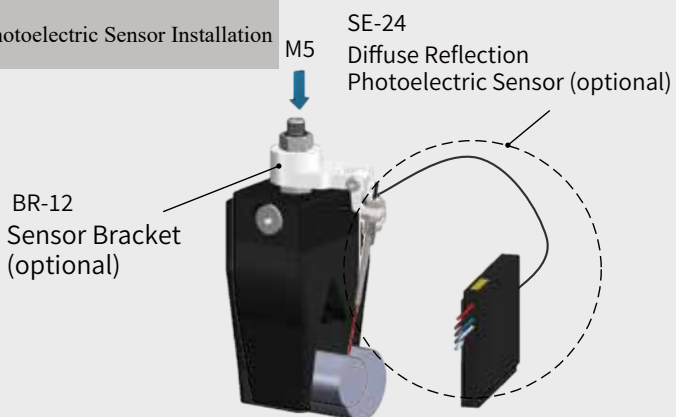
Precise Positioning Installation



Matrix Installation


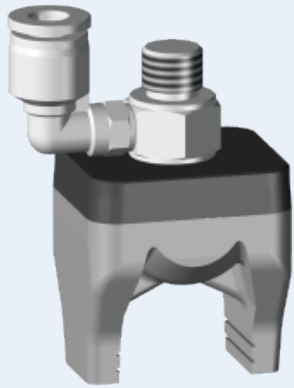


Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | |
|---|---|---|---|
|  | BMC-2G1622[H]/SN Straight Fitting Strengthen Materia | BML-2G1622[H]/SN Side Fitting Strengthen Materia |  |
| | BMC-2G1622[HAS]/SN Straight Fitting Dust-free Strengthen Materia | BML-2G1622[HAS]/SN Side Fitting Dust-free Strengthen Materia | |
| BMC Weight | | BML Weight | |
| 23.6g | | 38.1g | |

Parameter

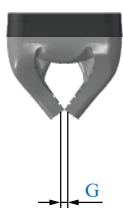
| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0-25mm | Gripping force | 0-9.4N | Theoretical gripping load** | 0-374g | Ideal gripping workpiece size* | 21mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

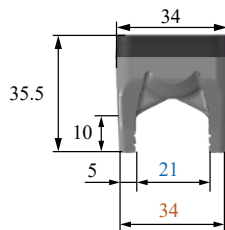
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

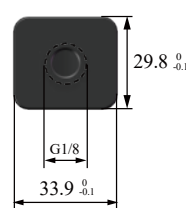
Vacuum



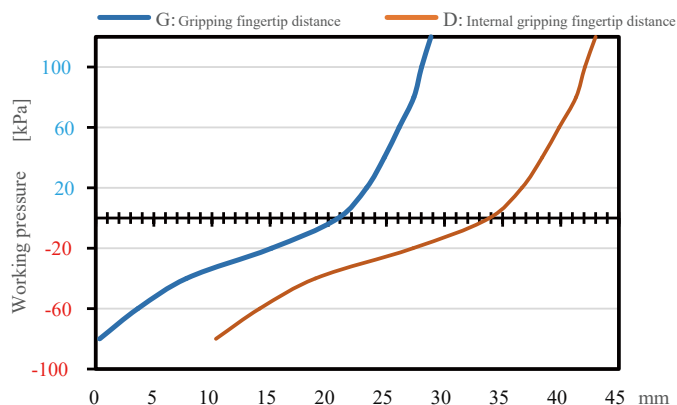
Atmosphere



Pressure



Pressure-Fingertip Distance deformation curve

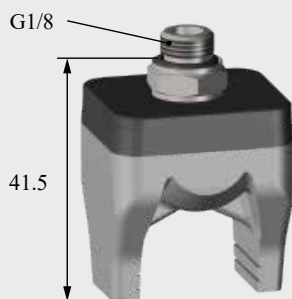


Installation

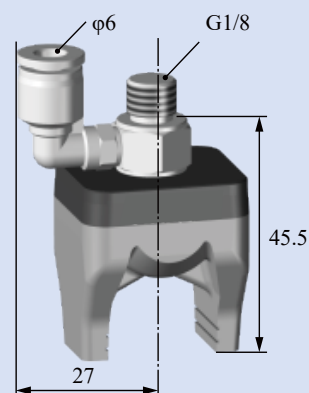
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

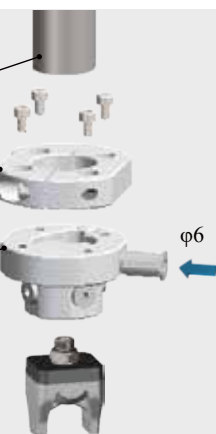


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

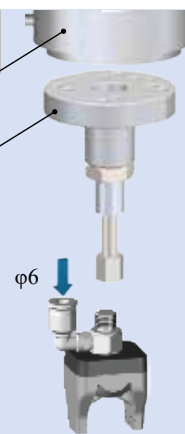
RF-SFB(optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

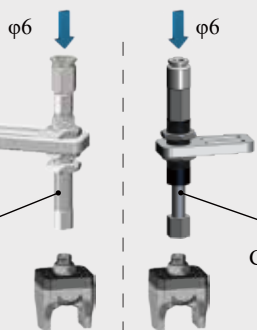
FCM-S01 (optional)



Rigid Connection Installation

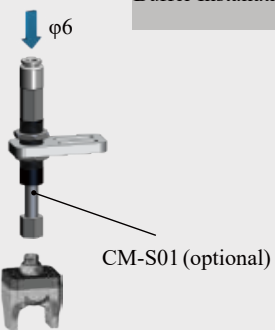
SMP-1420 (optional)

CM-RG18128G18 (optional)



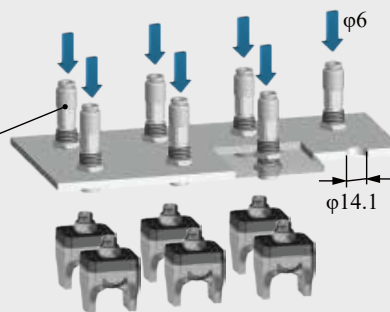
Buffer Installation

CM-S01 (optional)



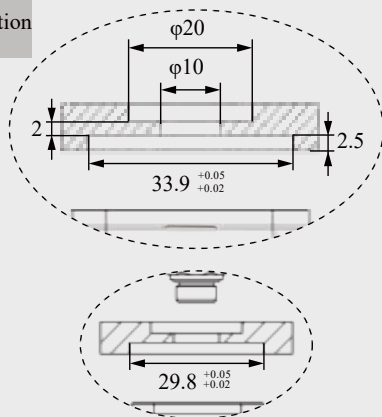
Matrix Installation

CM-RG1840G18 (optional)




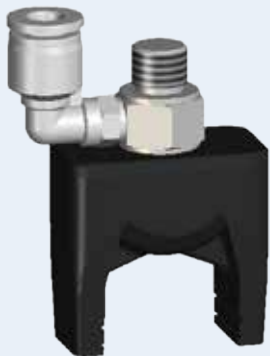
Precise Positioning Installation

G1/8



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [HB] and Dust-free Strengthen Material [HBAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HBAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-2G1624[HB]/S Straight Fitting Strengthen Materia | | BML-2G1624[HB]/S Side Fitting Strengthen Materia | |  |
| | BMC-2G1624[HBAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-2G1624[HBAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight 23.6g | | BML Weight 38.1g | | |

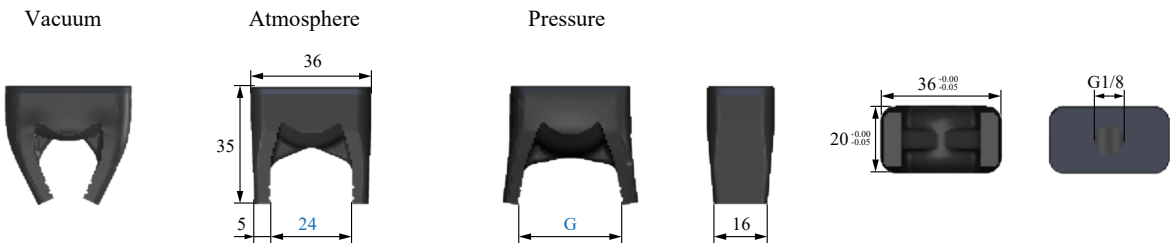
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 8-24mm | Gripping force | 0-9.4N | Theoretical gripping load** | 0-374g | Ideal gripping workpiece size* | 24mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

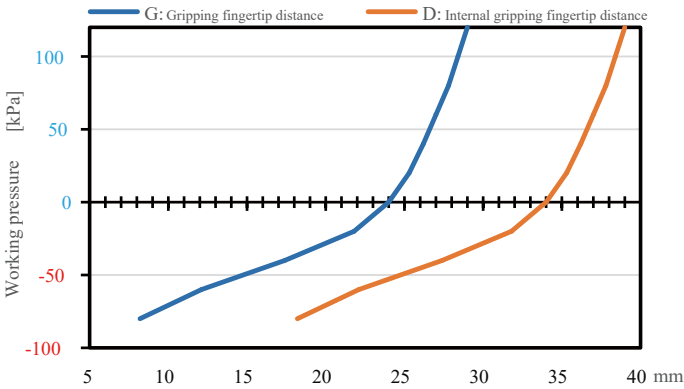
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

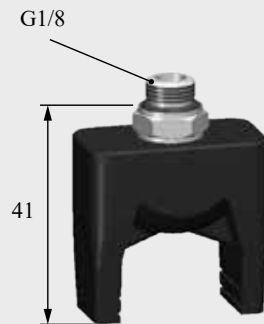


Installation

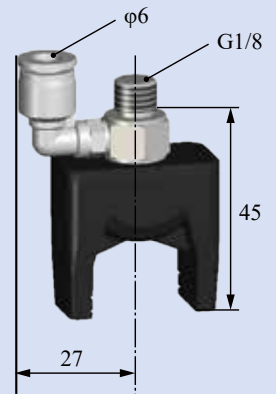
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

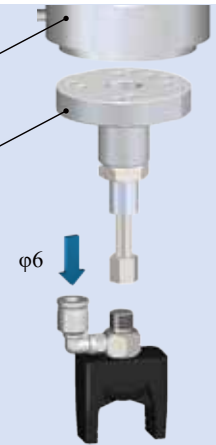
CP-192 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



Rigid Connection Installation

φ6

CM-RG18128G18 (optional)



Buffer Installation

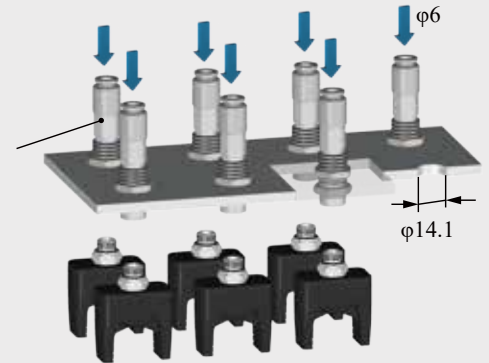
φ6

CM-S01 (optional)

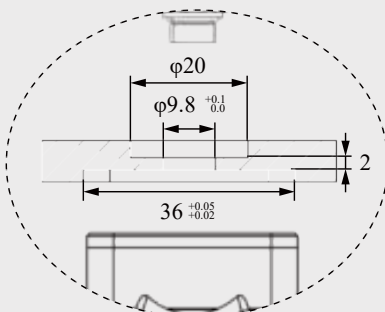


Matrix Installation

CM-RG1840G18 (optional)


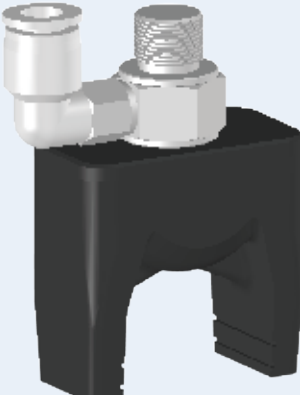


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LPAS] is preferred.

| | | | | | |
|---|--|-------|--|-------|---|
|  | BMC-2G1624[LH]/S Straight Fitting Anti-static Normal Materia | | BML-2G1624[LH]/S Side Fitting Anti-static Normal Materia | |  |
| | BMC-2G1624[LH]/S Straight Fitting Anti-static Dust-free Normal Materia | | BML-2G1624[LH]/S Side Fitting Anti-static Dust-free Normal Materia | | |
| | BMC Weight | 25.9g | BML Weight | 38.1g | |

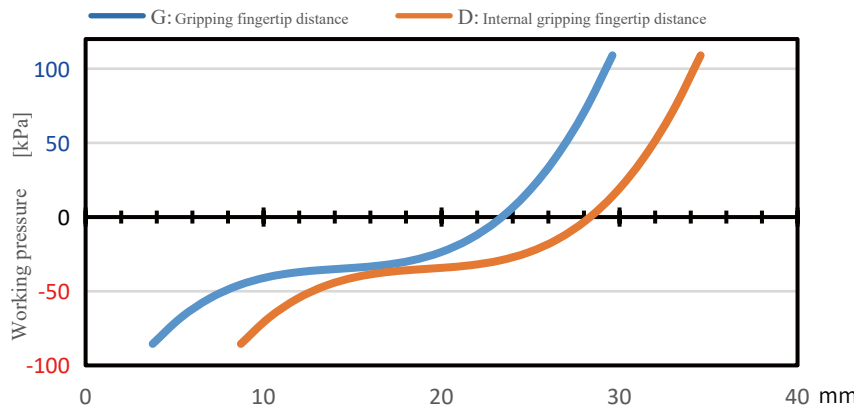
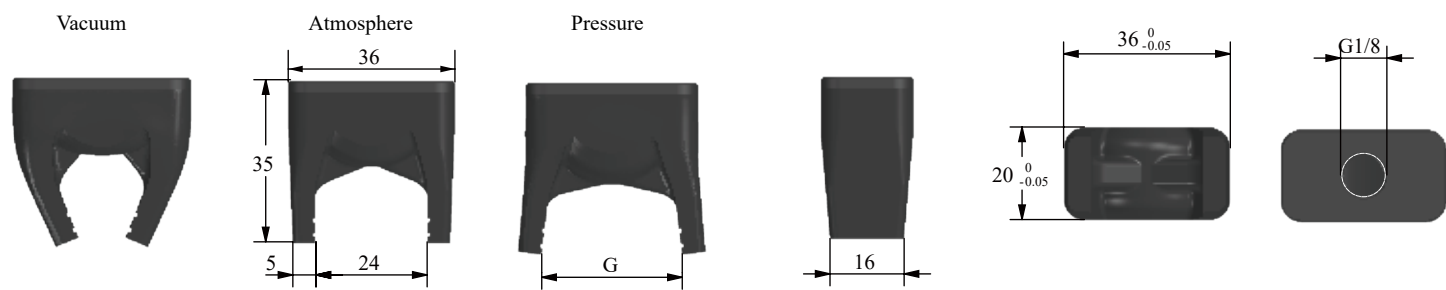
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 8-24mm | Gripping force | 0-9.4N | Theoretical gripping load** | 0-374g | Ideal gripping workpiece size* | 24mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220℃ | Safe pressure*** | <120kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

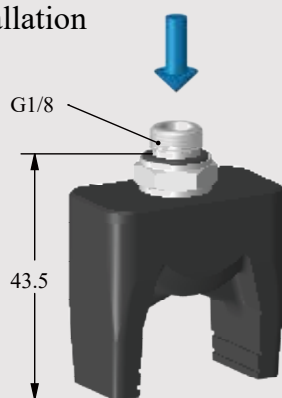
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

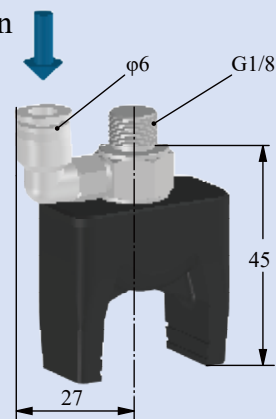


Installation

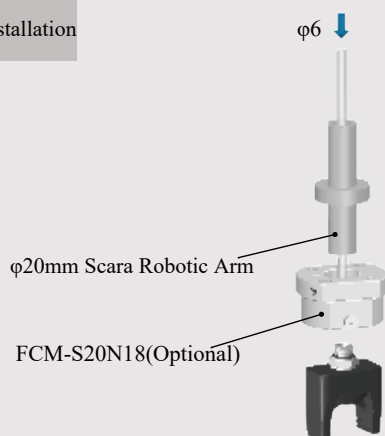
BMC Straight Fitting Installation



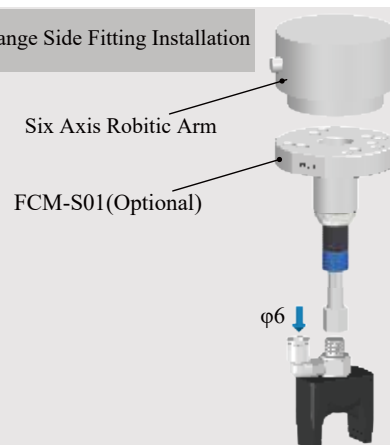
BML Side Fitting Installation



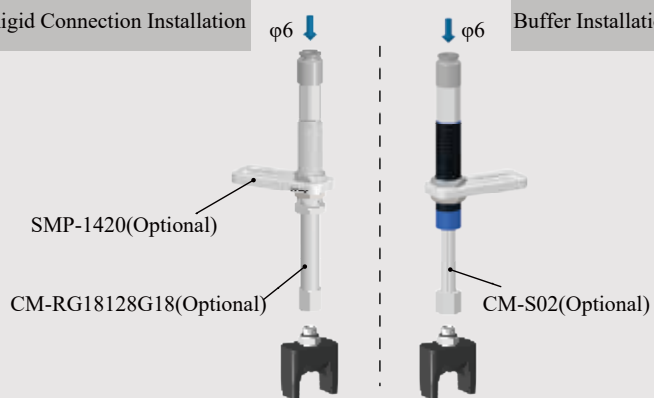
Scara Robotic Arm Installation



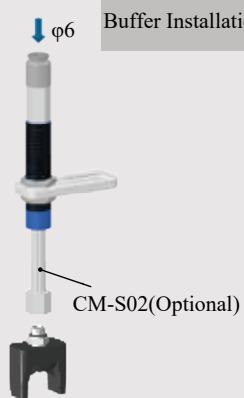
Robotic Arm Flange Side Fitting Installation



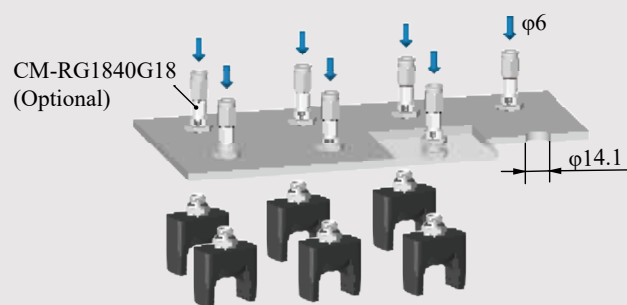
Rigid Connection Installation



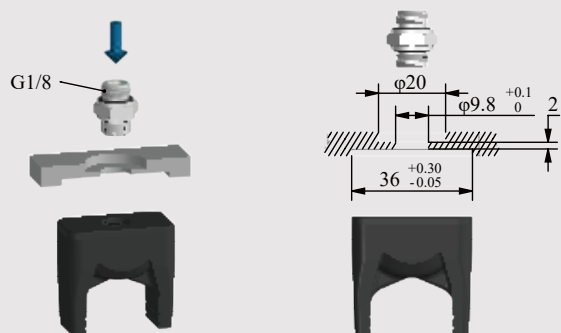
Buffer Installation



Matrix Installation



Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure.It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|--|--|--|--|--|---|
|  | BMC-2G2027[H]/SN Straight Fitting Strengthen Materia | | BML-2G2027[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-2G2027[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-2G2027[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight 22.9g | | BML Weight 37.4g | | |

Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 3-30mm | Gripping force | 0-8.5N | Theoretical gripping load** | 0-338g | Ideal gripping workpiece size* | 25.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <140kPa |

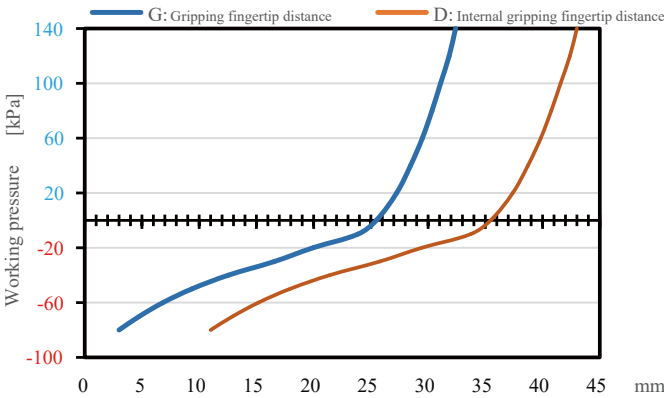
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

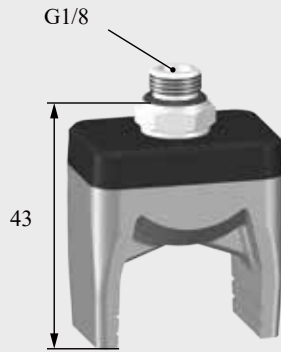


Installation

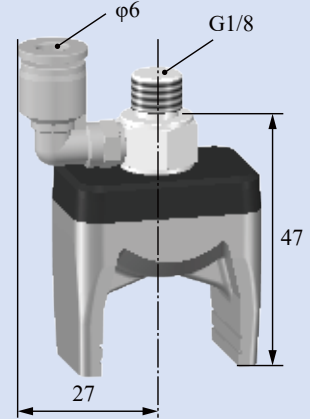
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

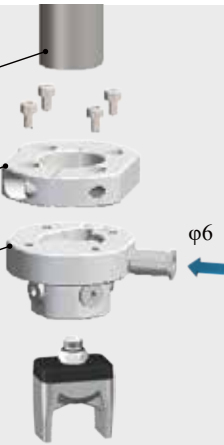


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

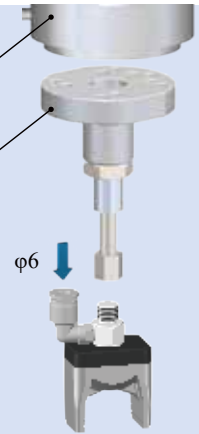
RF-SFB (optional)



Robotic Arm Flange Side Fitting Installation

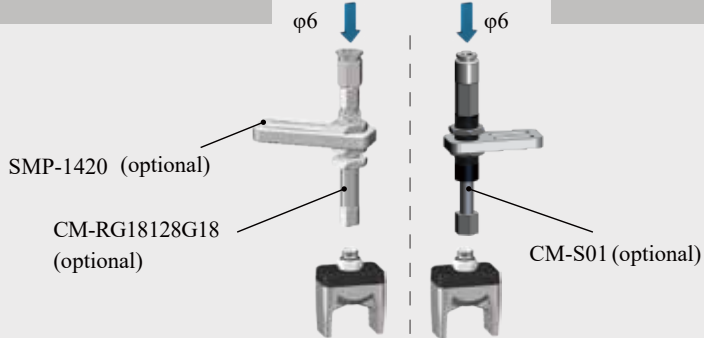
Six Axis Robotic Arm

FCM-S01 (optional)



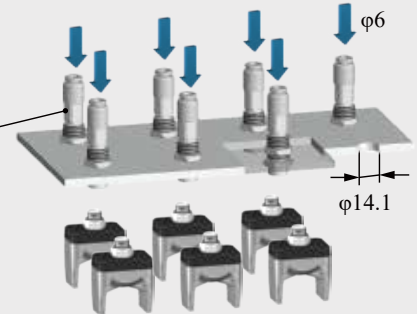
Rigid Connection Installation

Buffer Installation

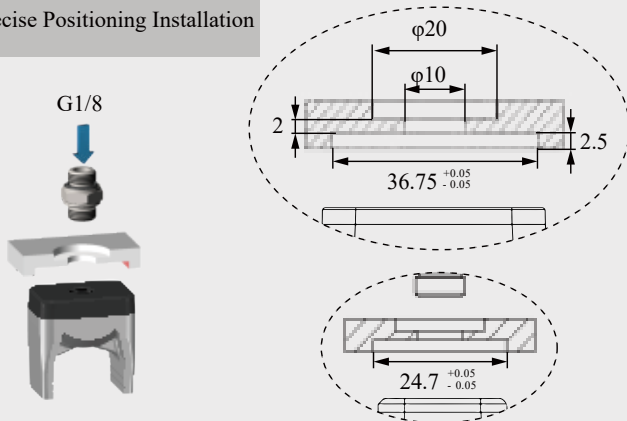


Matrix Installation

CM-RG1840G18 (optional)


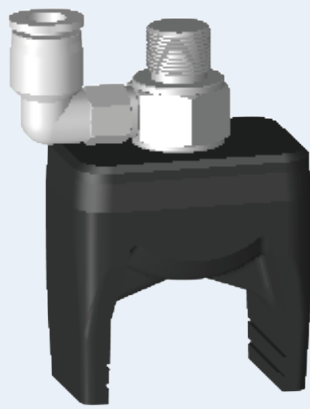


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LHAS] is preferred.

| | | | | | |
|--|---|-------|---|--|---|
|  | BMC-2G2027[LH]/SN Straight Fitting Anti-static Strengthen Materia | | BML-2G2027[LH]/SN Side Fitting Anti-static Strengthen Materia | |  |
| | BMC-2G2027[LHAS]/SN Straight Fitting Anti-static Dust-free Strengthen Materia | | BML-2G2027[LHAS]/SN Side Fitting Anti-static Dust-free Strengthen Materia | | |
| BMC Weight | | 22.9g | BML Weight | | 37.4g |

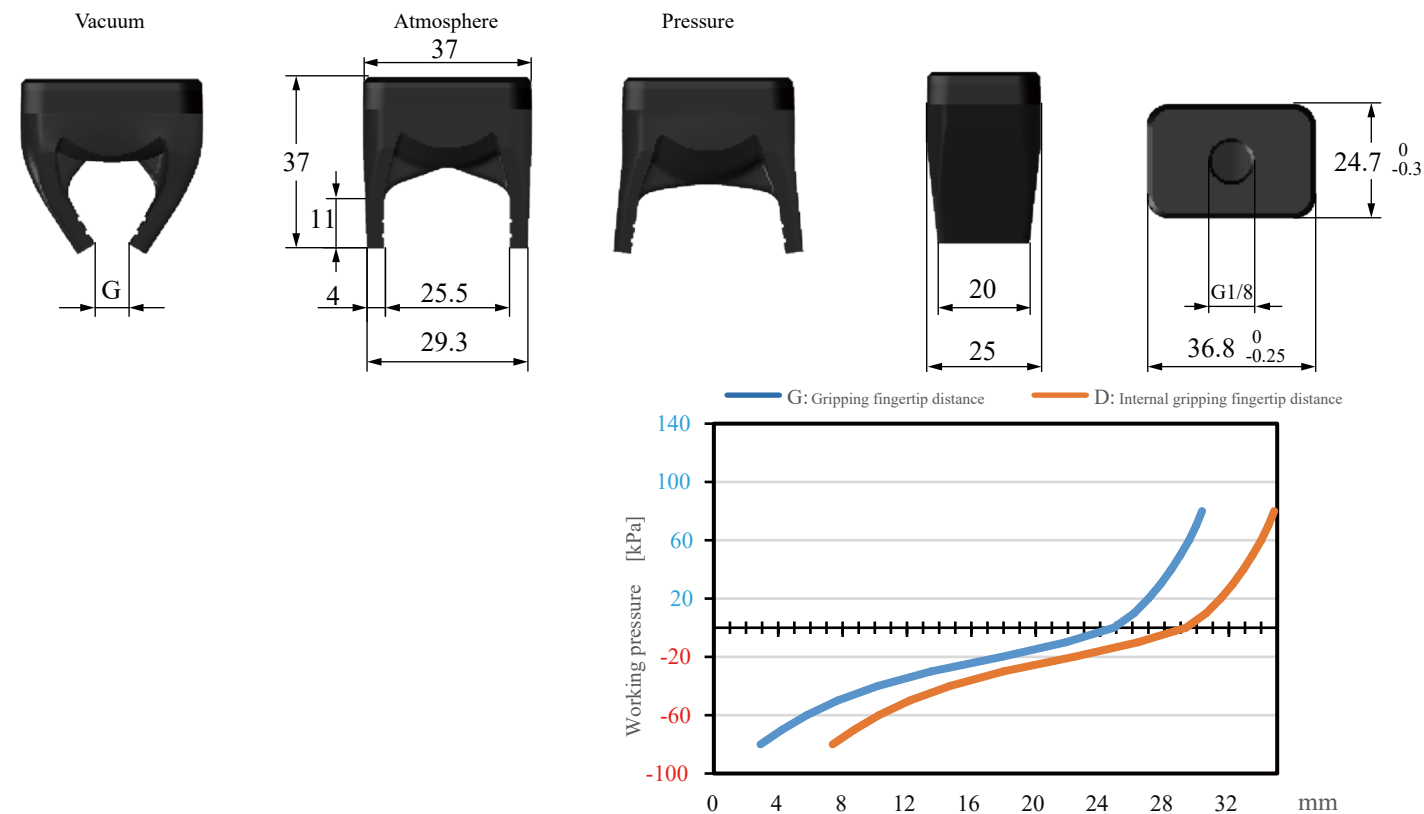
Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 3-30mm | Gripping force | 0-8.5N | Theoretical gripping load** | 0-338g | Ideal gripping workpiece size* | 25.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

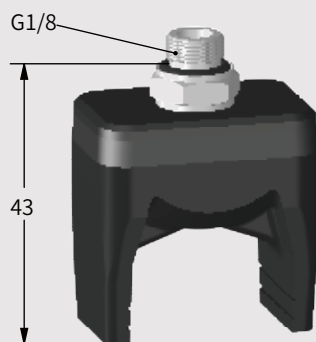
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

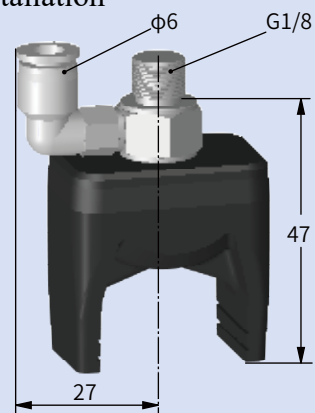


Installation

BMC Straight Fitting Installation



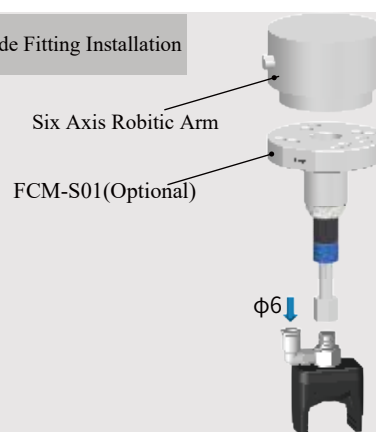
BML Side Fitting Installation



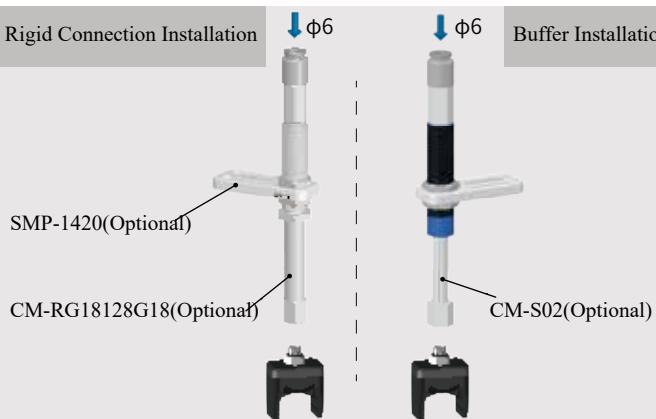
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation



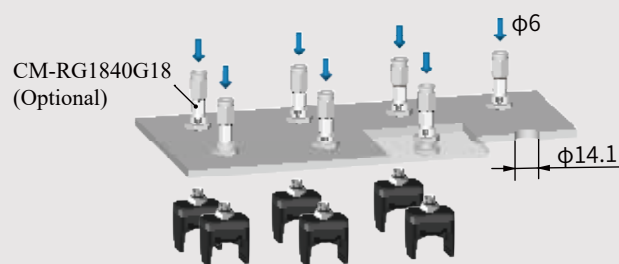
Rigid Connection Installation



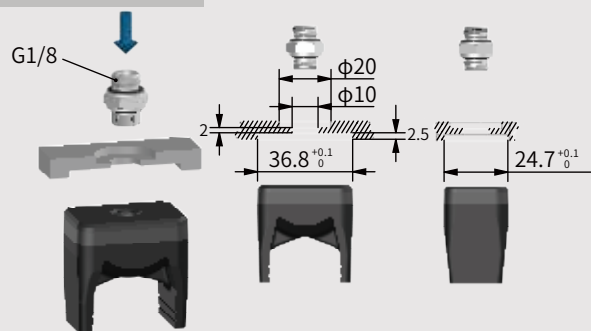
Buffer Installation



Matrix Installation


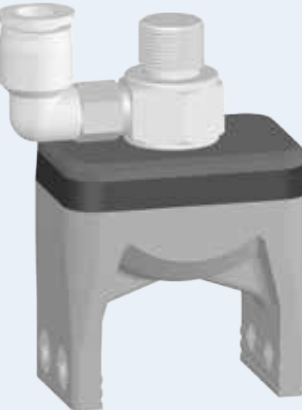


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|-------|---|--|---|
|  | BMC-2GN2027[H]/SN Straight Fitting Strengthen Materia | | BML-2GN2027[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-2GN2027[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-2GN2027[HAS]/SN Strengthen Materia Side Fitting Dust-free | | |
| BMC Weight | | 24.5g | BML Weight | | 39.0g |

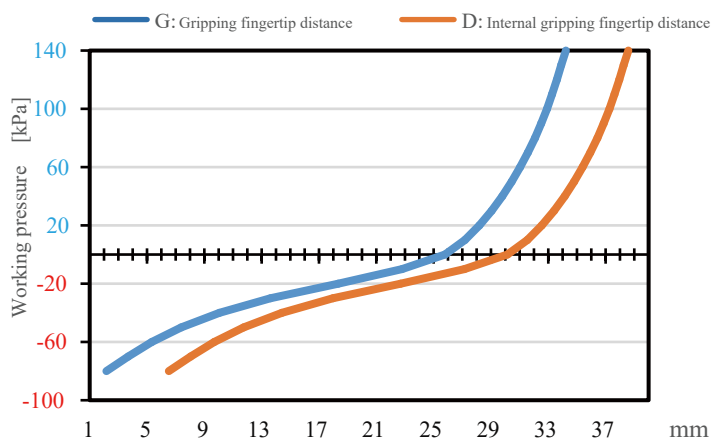
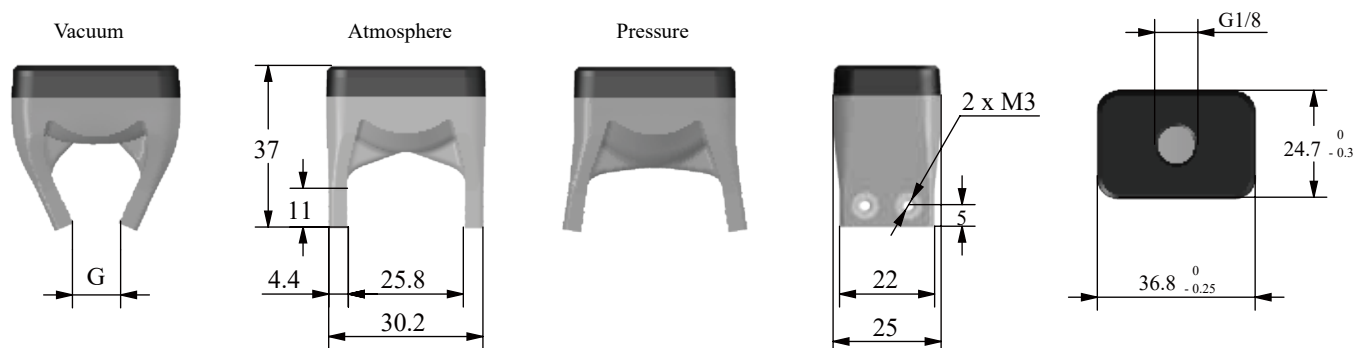
Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|------------------|--------------------------------------|--------|---|---------|
| Gripping range | 3-30mm | Gripping force | 0-7.1N | Theoretical gripping load** | 0-282g | Ideal gripping workpiece size* | 25.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150million times | Contact Temperature | <220°C | Safe pressure*** | <140kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

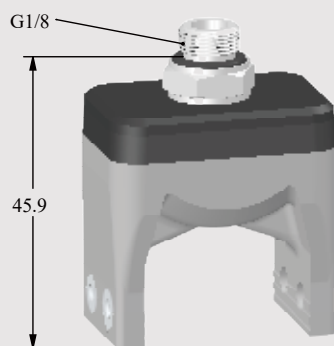
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

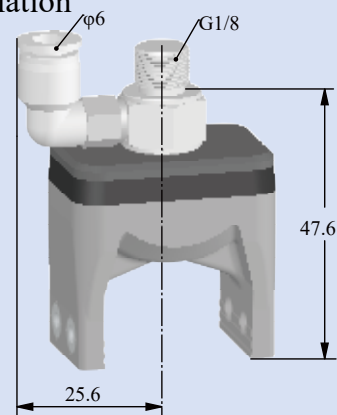


Installation

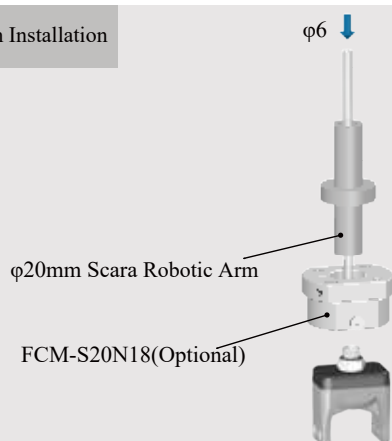
BMC Straight Fitting Installation



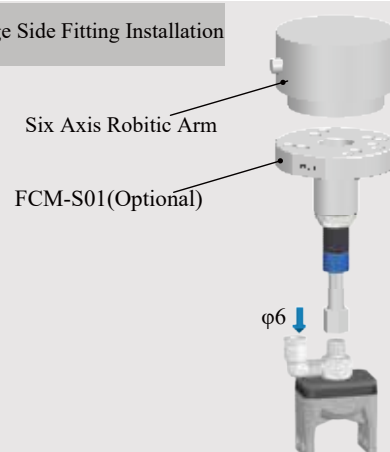
BML Side Fitting Installation



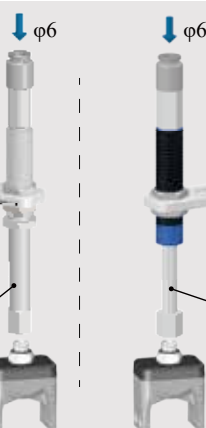
Scara Robotic Arm Installation



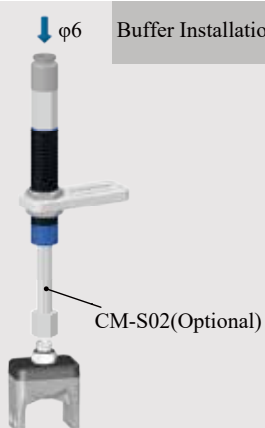
Robotic Arm Flange Side Fitting Installation



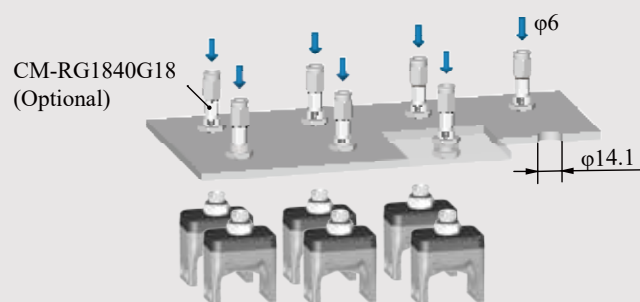
Rigid Connection Installation



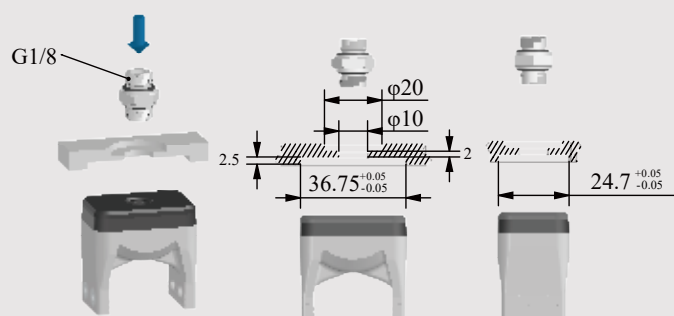
Buffer Installation



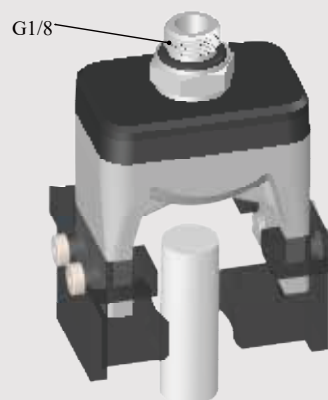
Matrix Installation



Precise Positioning Installation



Profiling Block Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|--|--|--|---|--|-------|
|  | BMC-2G2032[H]/SN Straight Fitting Strengthen Materia | BML-2G2032[H]/SN Side Fitting Strengthen Materia |  | | |
| | BMC-2G2032[HAS]/SN Straight Fitting Dust-free Strengthen Materia | BML-2G2032[HAS]/SN Side Fitting Dust-free Strengthen Materia | | | |
| BMC Weight | | 26.1g | BML Weight | | 40.6g |

Paremeter

| | | | | | | | |
|-------------------------|-----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 20-35.5mm | Gripping force | 0-9.7N | Theoretical gripping load** | 0-389g | Ideal gripping workpiece size* | 30.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

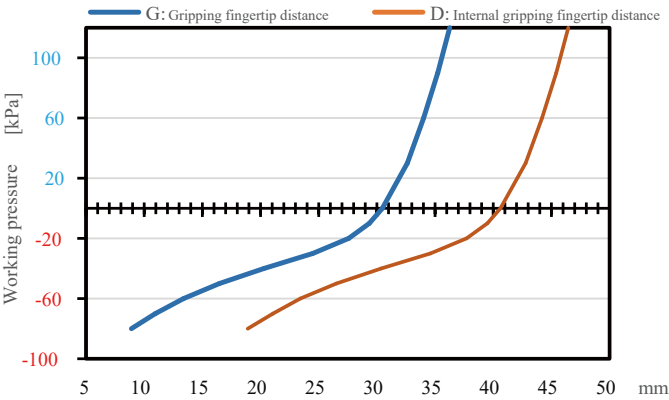
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

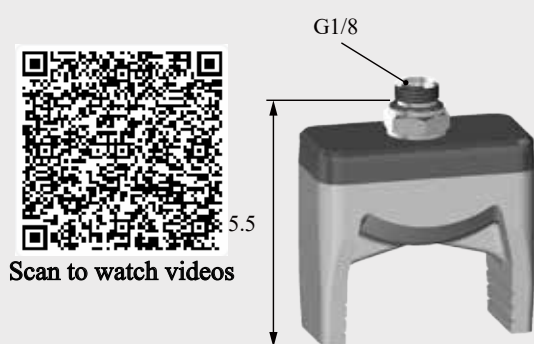


Pressure-Fingertip Distance deformation curve

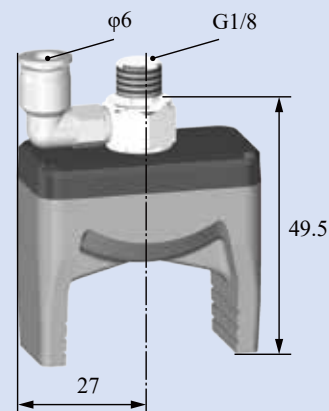


Installation

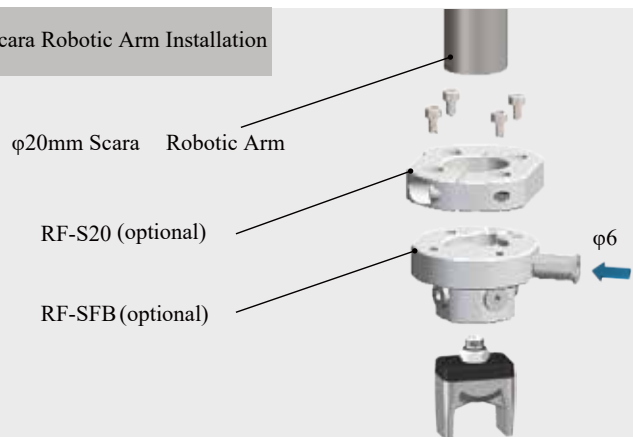
BMC Straight Fitting Installation



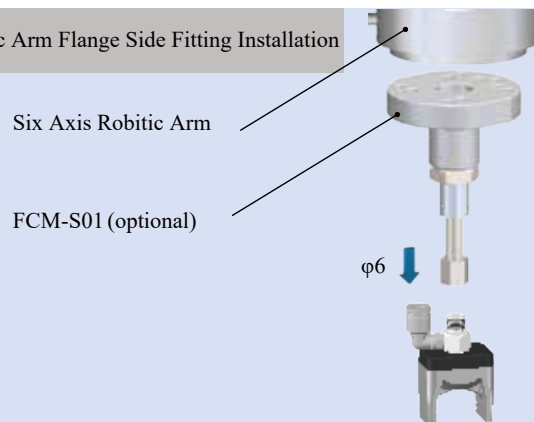
BML Side Fitting Installation



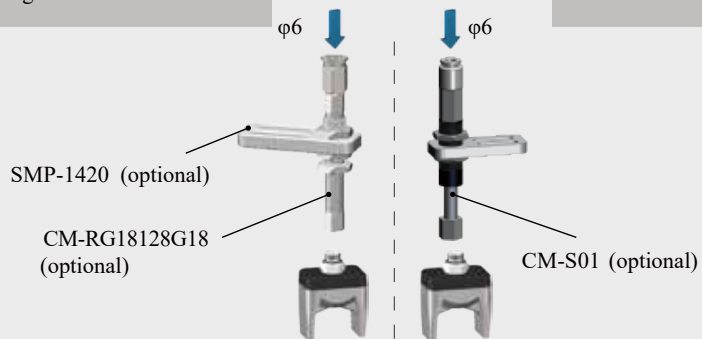
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

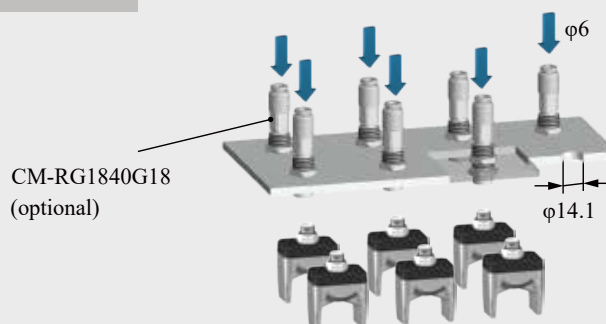


Rigid Connection Installation

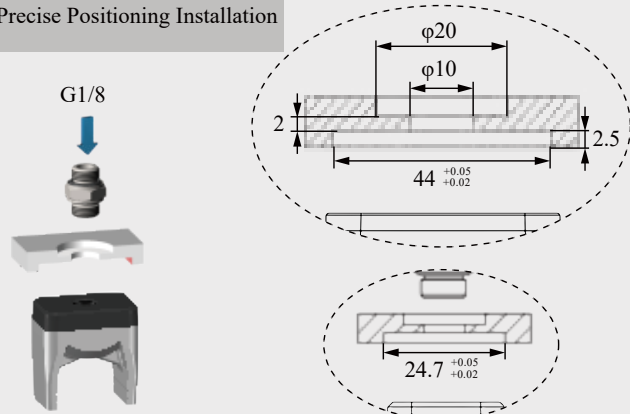


Buffer Installation

Matrix Installation



Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-------|--|--|---|
|  | BMC-2G2037[H]/SN Straight Fitting Strengthen Materia | | BML-2G2037[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-2G2037[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-2G2037[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 29.6g | BML Weight | | 44.1g |

Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 18-38mm | Gripping force | 0-11.6N | Theoretical gripping load** | 0-463g | Ideal gripping workpiece size* | 35.5mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <150kPa |

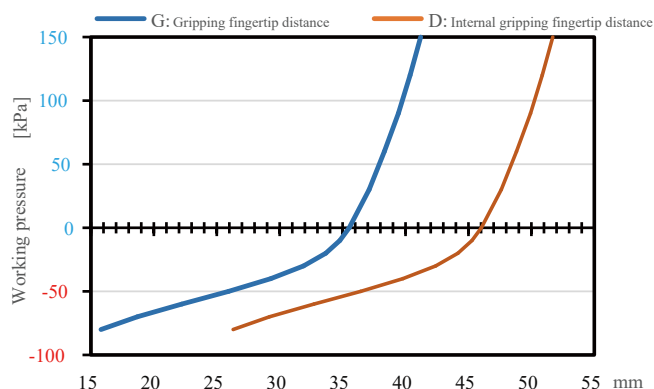
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

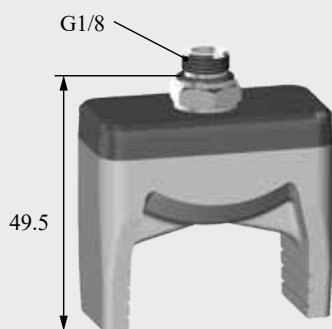


Pressure-Fingertip Distance deformation curve

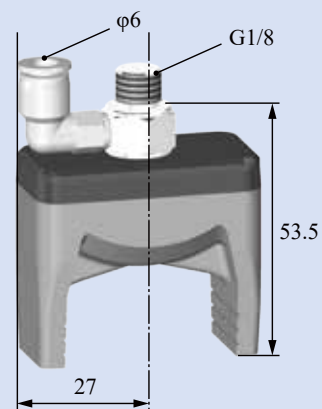


Installation

BMC Straight Fitting Installation



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

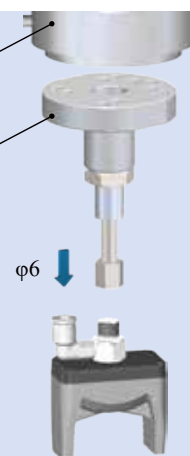
RF-SFB (optional)



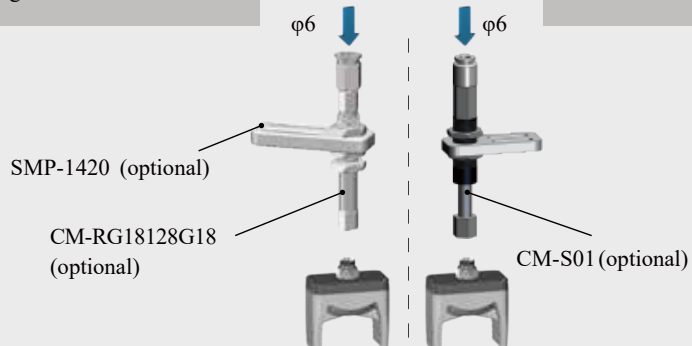
Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

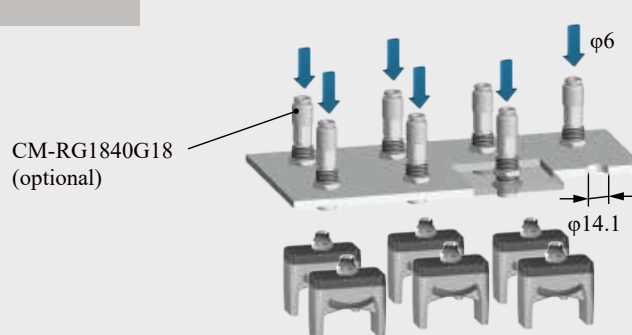


Rigid Connection Installation

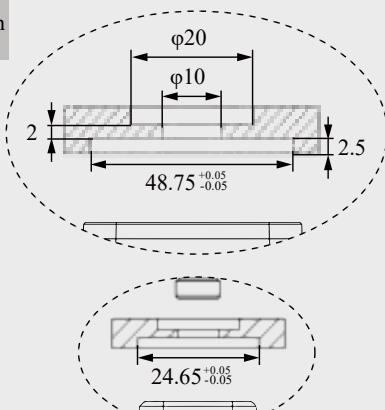


Buffer Installation

Matrix Installation


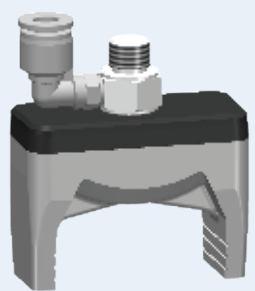


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | |
|---|--|--|---|
|  | BMC-2G2042[H]/SN Straight Fitting Strengthen Materia | BML-2G2042[H]/SN Side Fitting Strengthen Materia |  |
| | BMC-2G2042[HAS]/SN Straight Fitting Dust-free Strengthen Materia | BML-2G2042[HAS]/SN Side Fitting Dust-free Strengthen Materia | |
| BMC Weight | | BML Weight | |
| 31.8g | | 45.8g | |

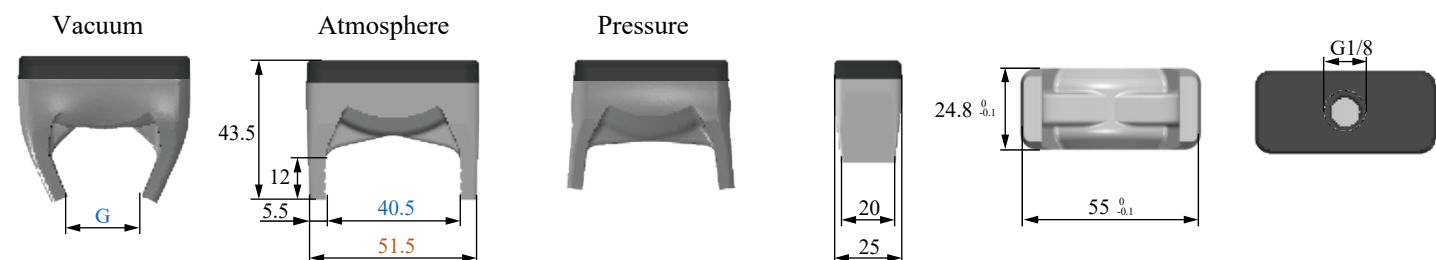
Paremeter

| | | | | | | | |
|-------------------------|-----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 26.5-40mm | Gripping force | 0-9.6N | Theoretical gripping load** | 0-383g | Ideal gripping workpiece size* | 40mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

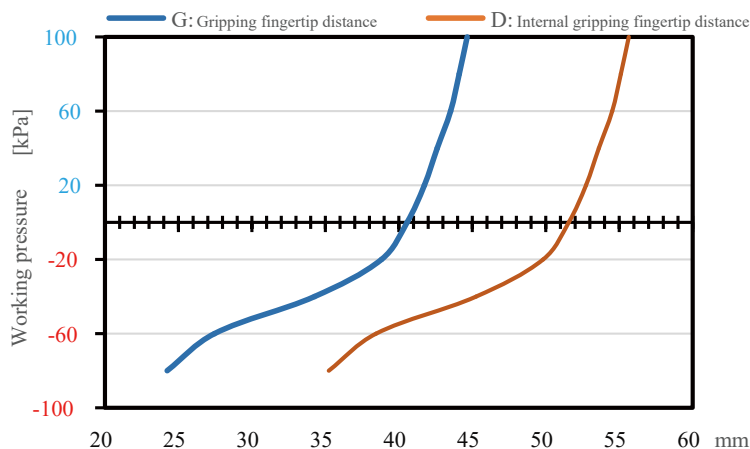
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

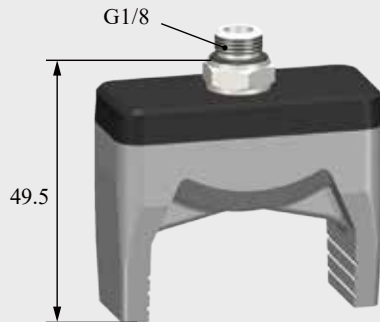


Installation

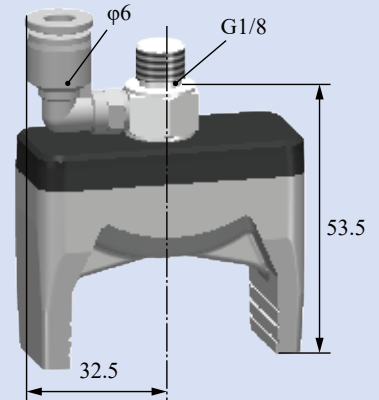
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

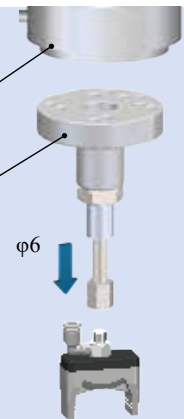
RF-SFB (optional)



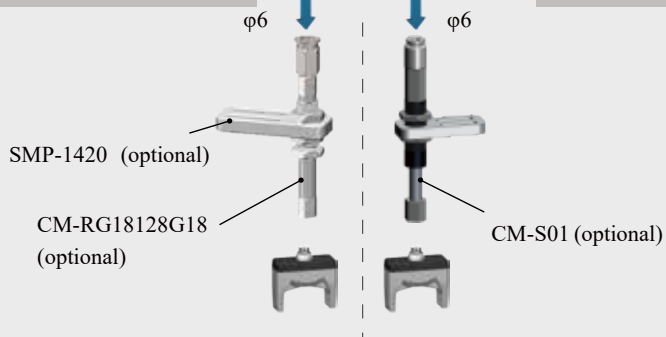
Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)

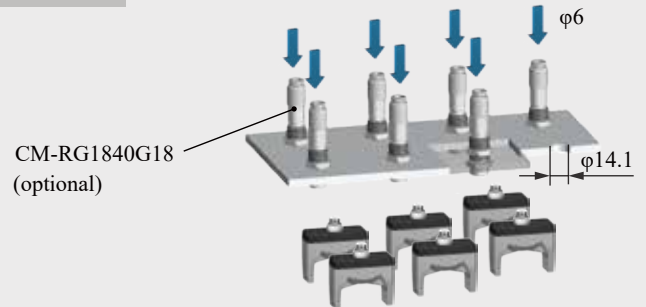


Rigid Connection Installation

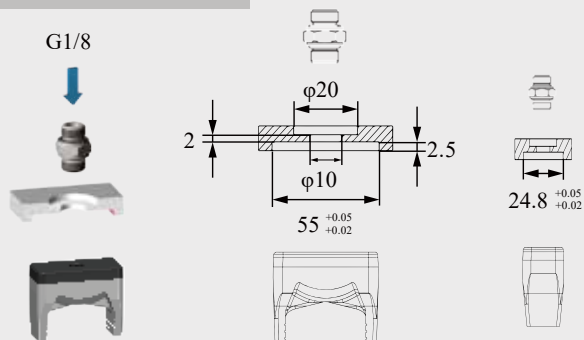


Buffer Installation

Matrix Installation


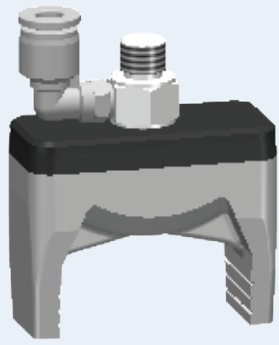


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-----|--|--|---|
|  | BMC-2G2047[H]/SN Straight Fitting Strengthen Materia | | BML-2G2047[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-2G2047[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-2G2047[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 32g | BML Weight | | 46g |

Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 30-48mm | Gripping force | 0-12N | Theoretical gripping load** | 0-480g | Ideal gripping workpiece size* | 47mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

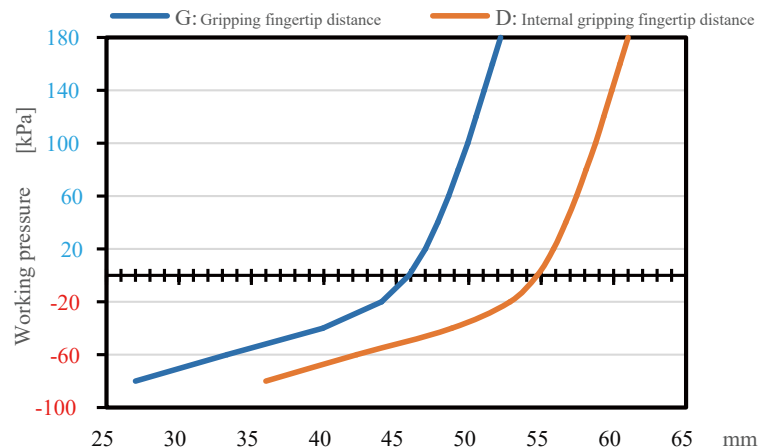
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



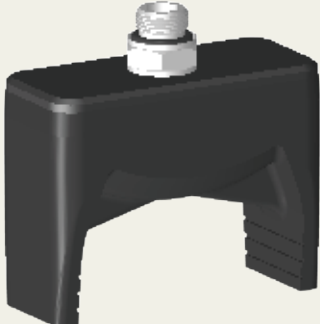
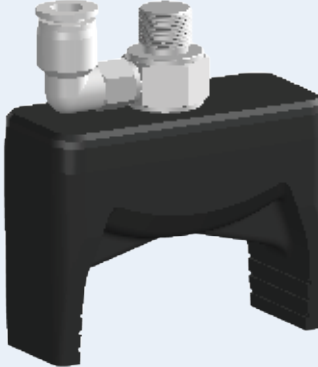
Pressure-Fingertip Distance deformation curve



135

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LHAS] is preferred.

| | | | | | |
|--|---|-----|---|--|---|
|  | BMC-2G2047[LH]/SN Straight Fitting Anti-static Strengthen Materia | | BML-2G2047[LH]/SN Side Fitting Anti-static Strengthen Materia | |  |
| | BMC-2G2047[LH]/SN Straight Fitting Anti-static Dust-free Strengthen Materia | | BML-2G2047[LH]/SN Side Fitting Anti-static Dust-free Strengthen Materia | | |
| BMC Weight | | 32g | BML Weight | | 46g |

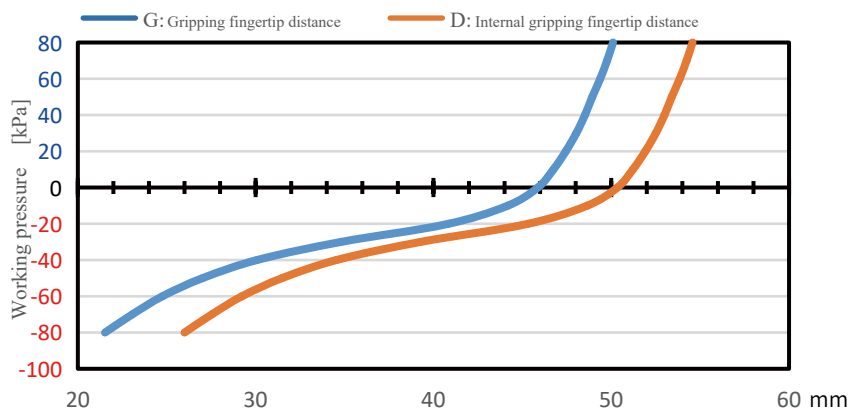
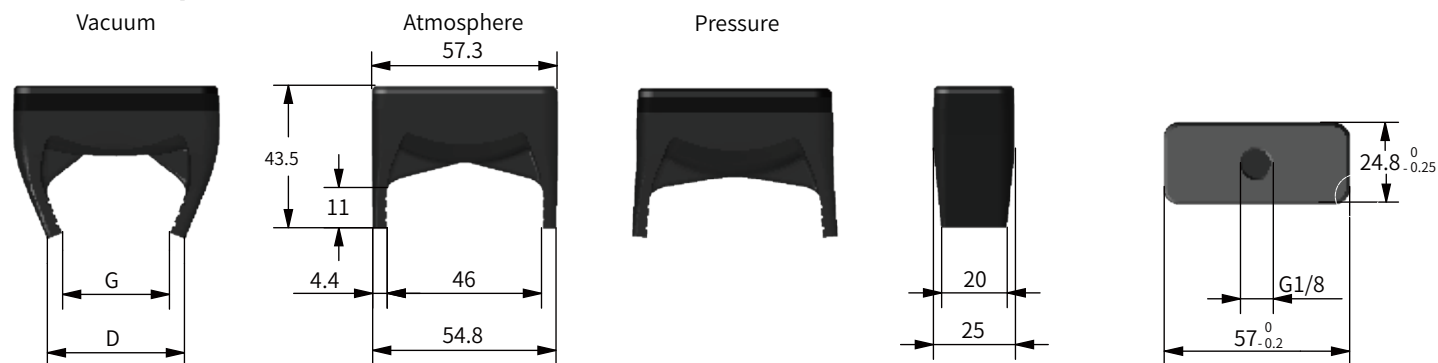
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 30-48mm | Gripping force | 0-12N | Theoretical gripping load** | 0-480g | Ideal gripping workpiece size* | 47mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

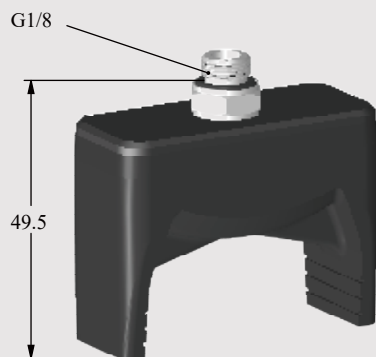
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

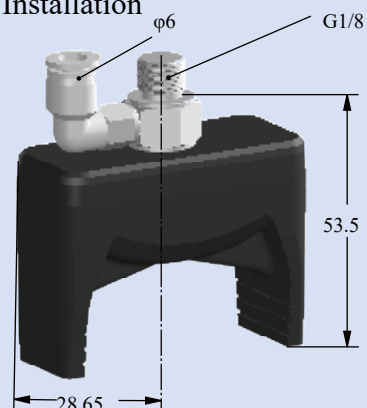


Installation

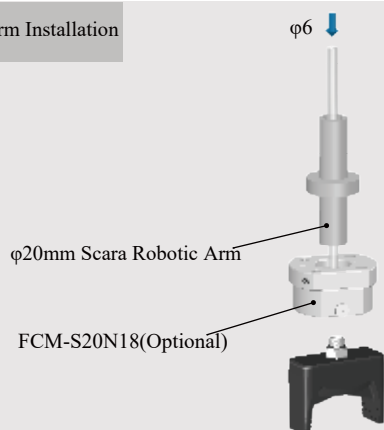
BMC Straight Fitting Installation



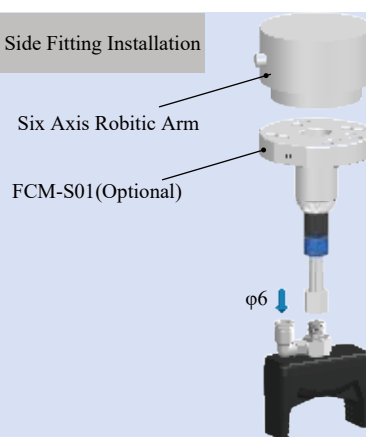
BML Side Fitting Installation



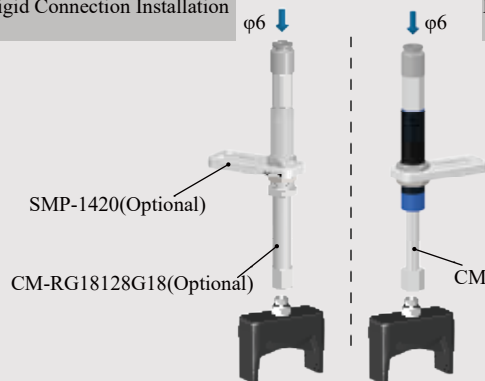
Scara Robotic Arm Installation



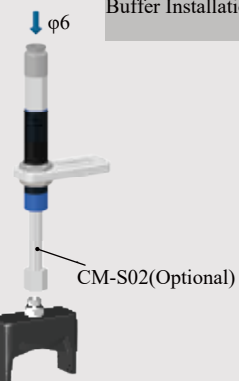
Robotic Arm Flange Side Fitting Installation



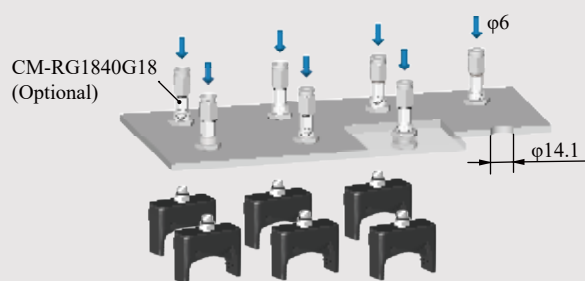
Rigid Connection Installation



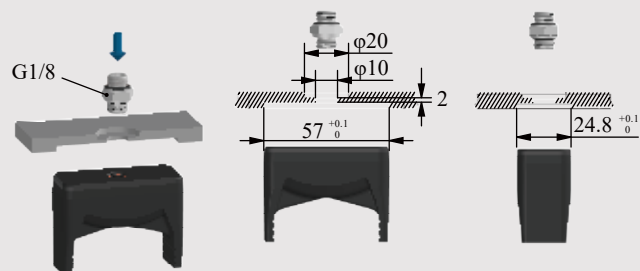
Buffer Installation



Matrix Installation


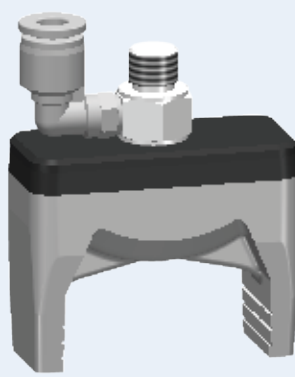


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | |
|---|--|---|---|
|  | BMC-2G2052[H]/SN Straight Fitting Normal Materia | BML-2G2052[H]/SN Side Fitting Normal Materia |  |
| | BMC-2G2052[HAS]/S Straight Fitting Dust-free Normal Materia | BML-2G2052[HAS]/SN Side Fitting Dust-free Normal Materia | |
| BMC Weight | | BML Weight | 48.1g |
| 34.2g | | | |

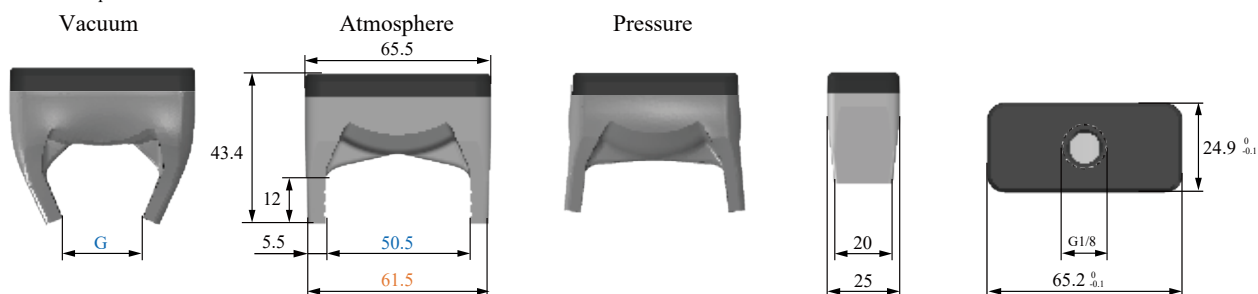
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 34-52mm | Gripping force | 0-14.2N | Theoretical gripping load** | 0-568g | Ideal gripping workpiece size* | 52mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 100 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

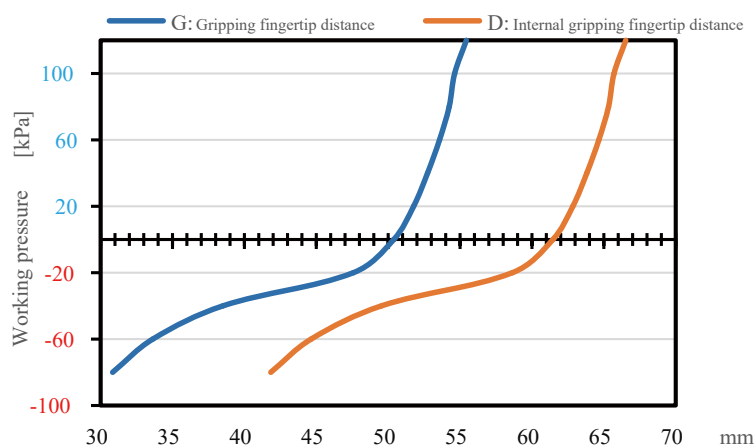
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

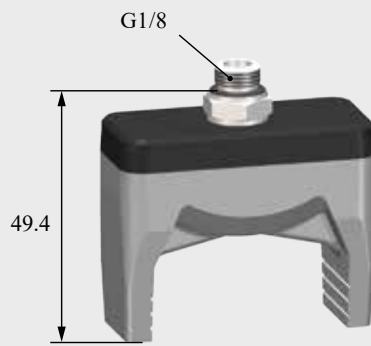


Pressure-Fingertip Distance deformation curve

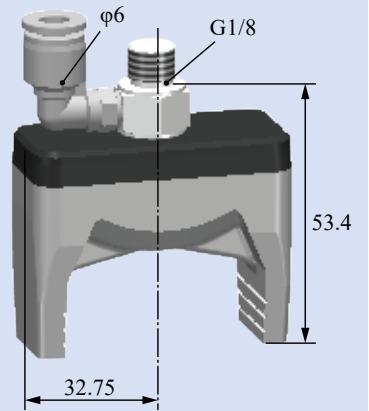


Installation

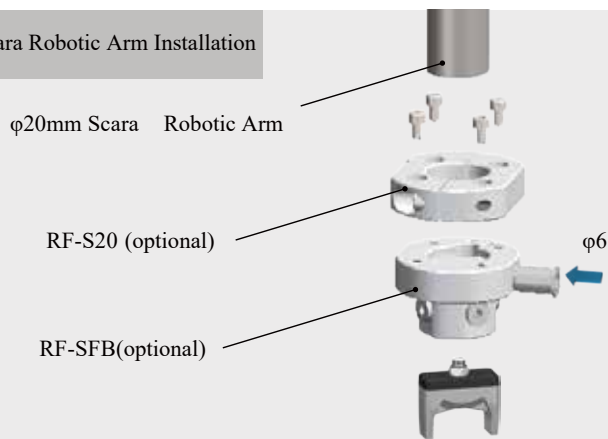
BMC Straight Fitting Installation



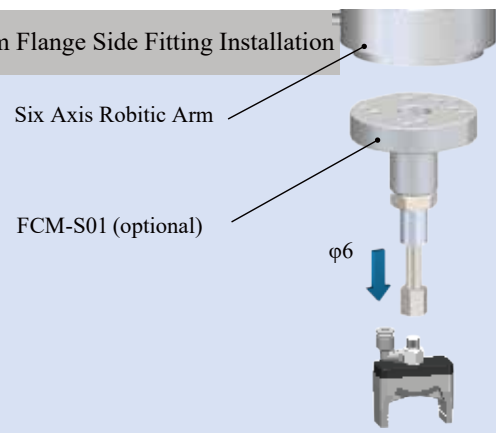
BML Side Fitting Installation



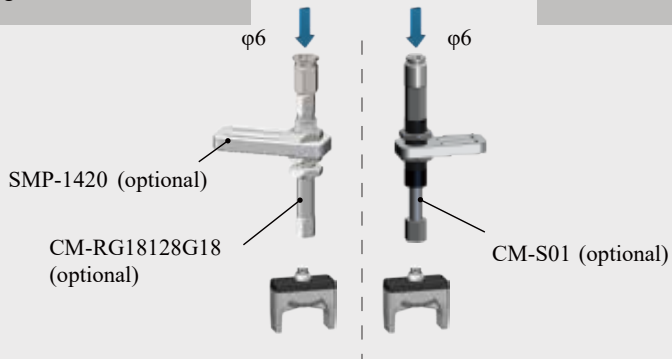
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

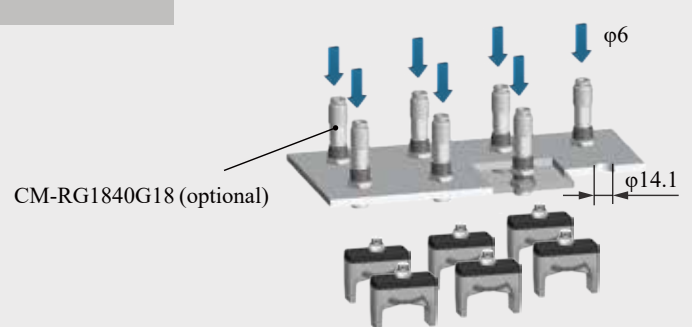


Rigid Connection Installation

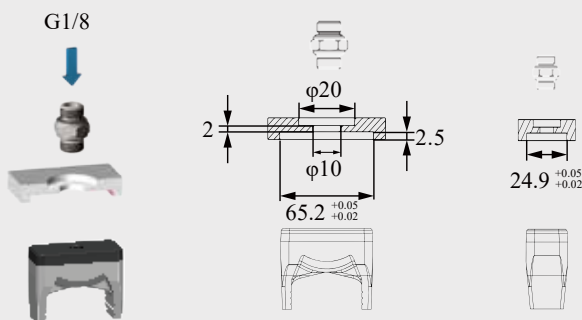


Buffer Installation

Matrix Installation


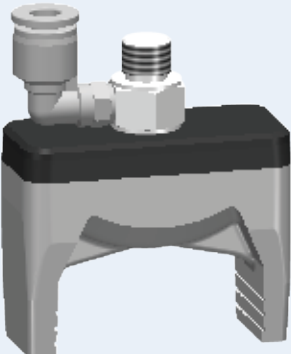


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-------|---|--|---|
|  | BMC-2G2057[H]/SN Straight Fitting Normal Materia | | BML-2G2057[H]/SN Side Fitting Normal Materia | |  |
| | BMC-2G2057[HAS]/S Straight Fitting Dust-free Normal Materia | | BML-2G2057[HAS]/SN Side Fitting Dust-free Normal Materia | | |
| BMC Weight | | 35.2g | BML Weight | | 49.2g |

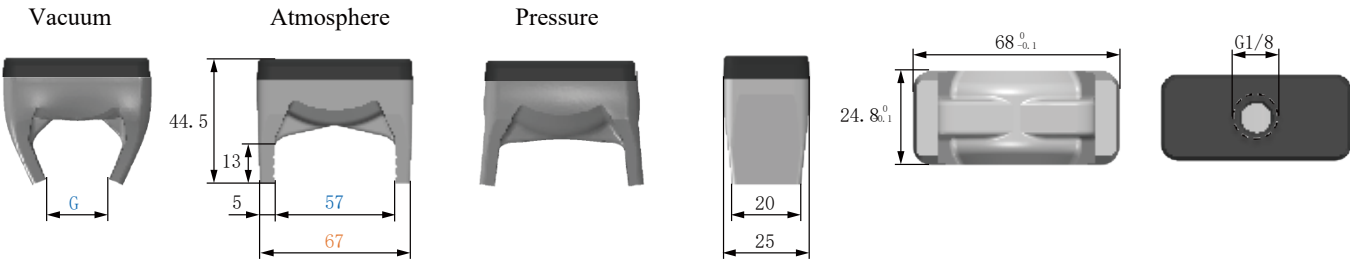
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 38-59mm | Gripping force | 0-13.5N | Theoretical gripping load** | 0-540g | Ideal gripping workpiece size* | 58mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

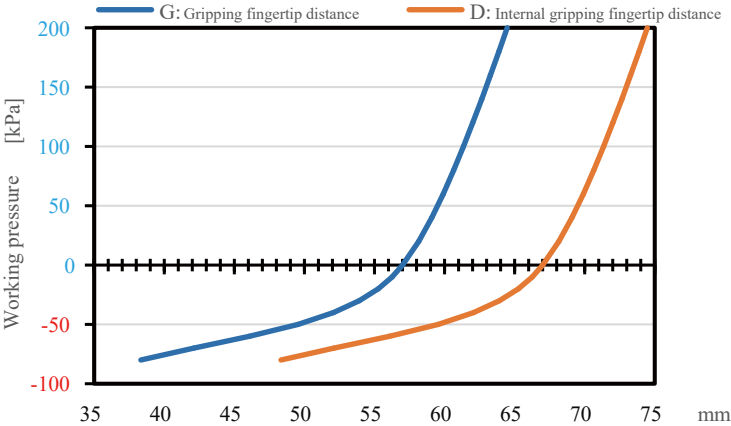
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

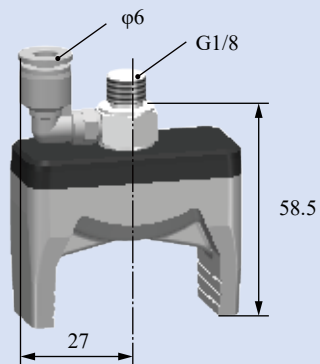


Installation

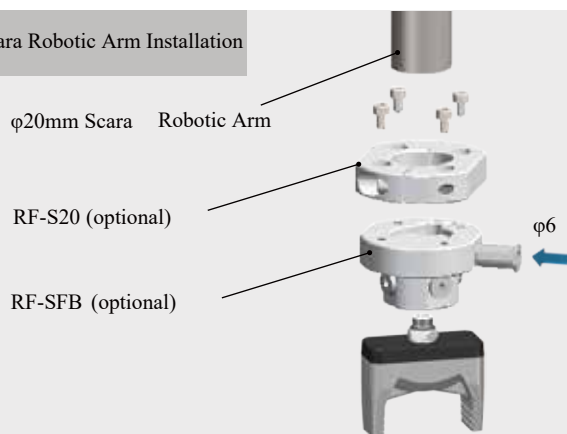
BMC Straight Fitting Installation



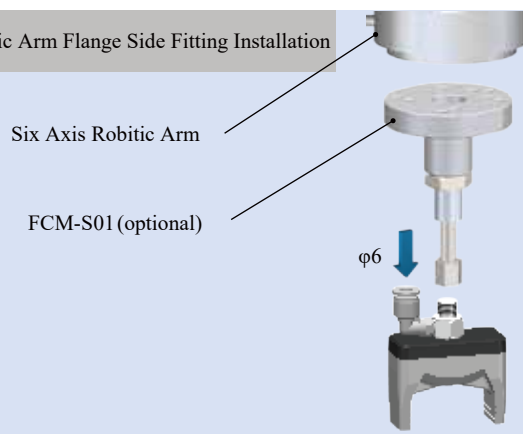
BML Side Fitting Installation



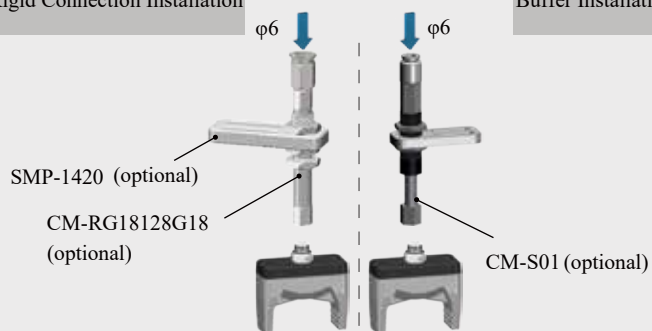
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

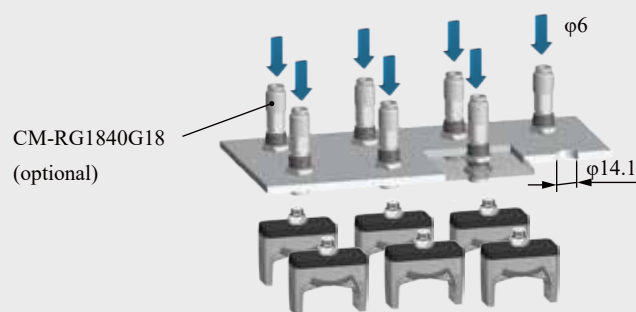


Rigid Connection Installation

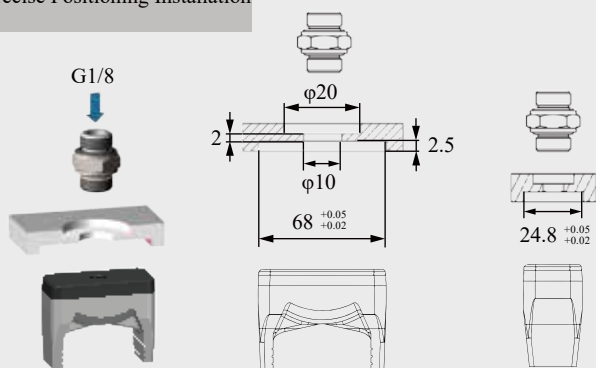


Buffer Installation

Matrix Installation





Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-3B08[H]/S Straight Fitting Strengthen Materia | | BML-3B08[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-3B08[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-3B08[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | BML Weight | | |
| | 1g | | 16.1g | | |

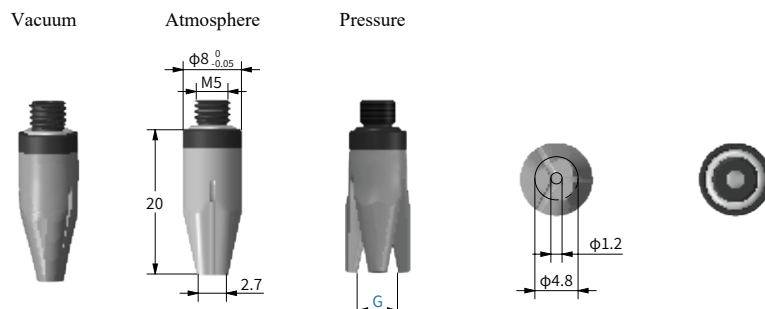
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0.5-2mm | Gripping force | 0-0.9N | Theoretical gripping load** | 0-68g | Ideal gripping workpiece size* | 1.2mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <170kPa |

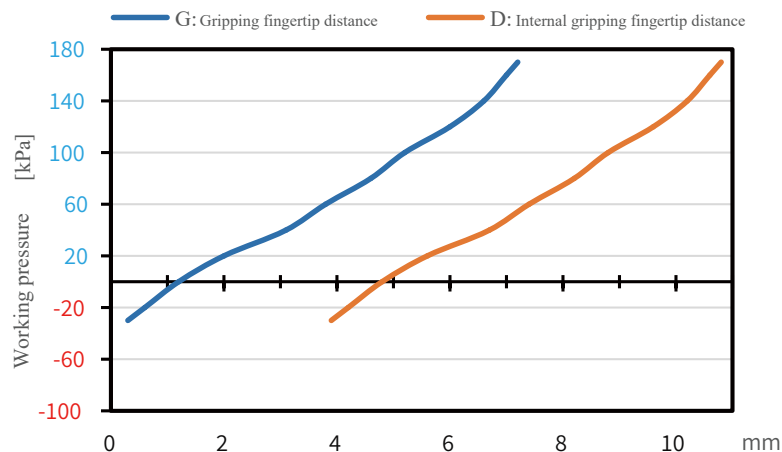
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

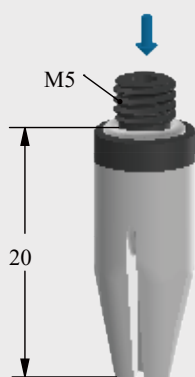


Installation

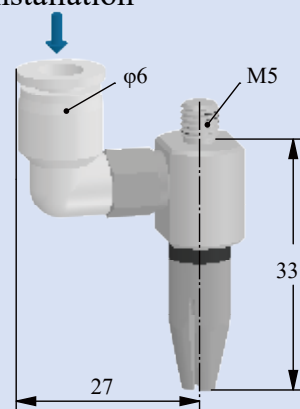
BMC Straight Fitting Installation



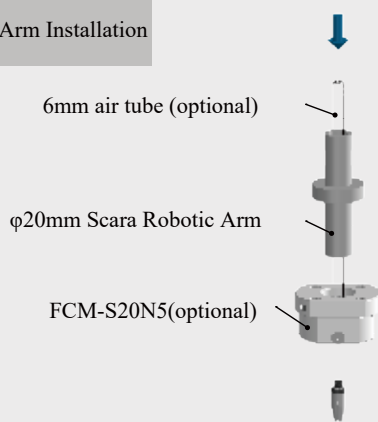
Scan to watch videos



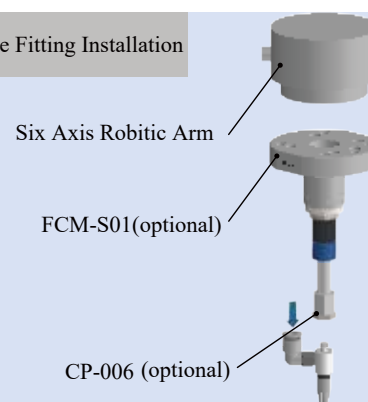
BML Side Fitting Installation



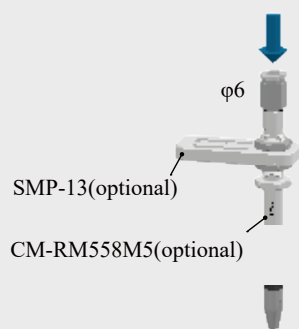
Scara Robotic Arm Installation



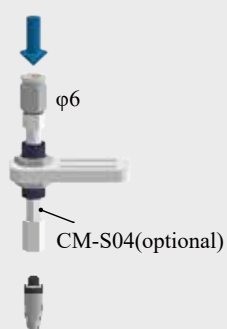
Robotic Arm Flange Side Fitting Installation



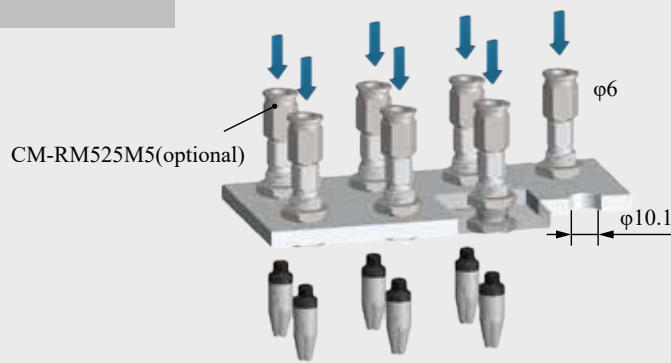
Rigid Connection Installation



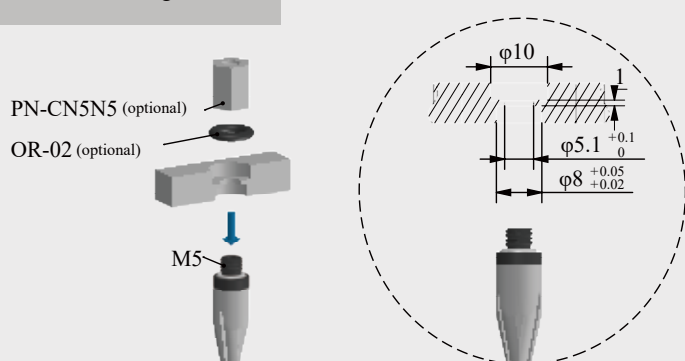
Buffer Installation



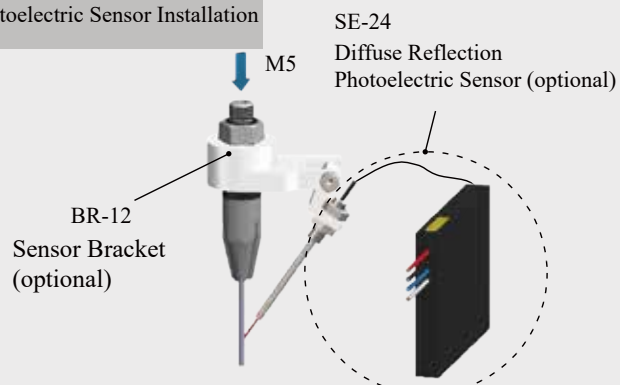
Matrix Installation



Precise Positioning Installation


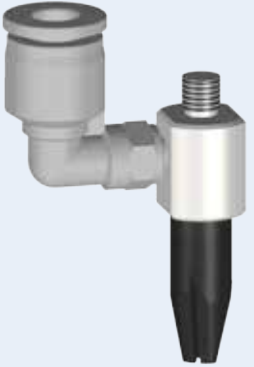


Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LHAS] is preferred.

| | | | | | |
|---|--|----|--|-------|---|
|  | BMC-3B08[LH]/S Straight Fitting Anti-static Strengthen Materia | | BML-3B08[LH]/S Side Fitting Anti-static Strengthen Materia | |  |
| | BMC-3B08[LHAS]/S Straight Fitting Anti-static Dust-free Strengthen Materia | | BML-3B08[LHAS]/S Side Fitting Anti-static Dust-free Strengthen Materia | | |
| | BMC Weight | 1g | BML Weight | 16.1g | |

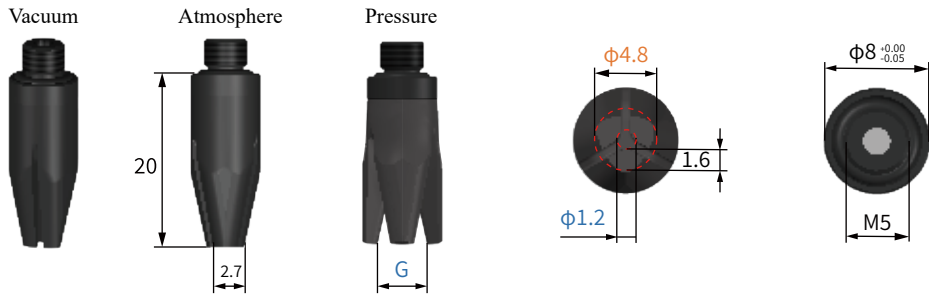
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 0.5-2mm | Gripping force | 0-0.9N | Theoretical gripping load** | 0-68g | Ideal gripping workpiece size* | 1.2mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

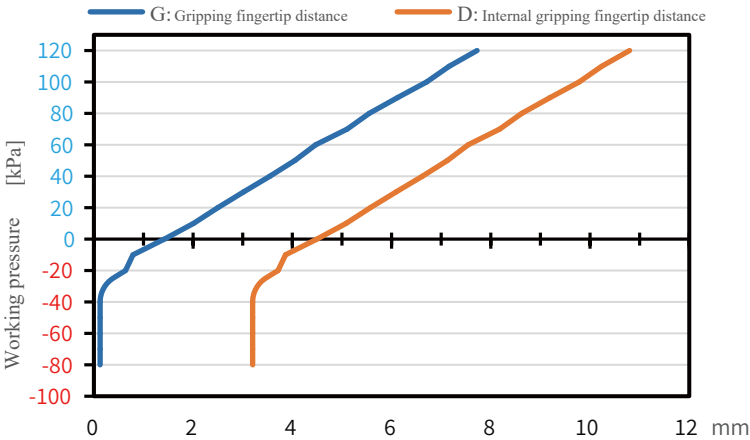
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

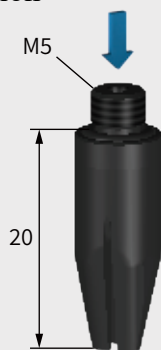


Installation

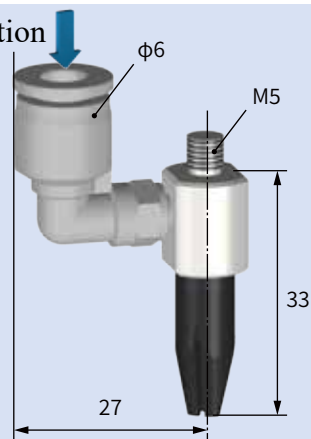
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

CP-191(Optional)

φ6

Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)

φ6

Rigid Connection Installation

Buffer Installation

φ6

φ6

SMP-13(Optional)

CM-RM558M5(Optional)

CM-S04(Optional)

Matrix Installation

CM-RM525M5(Optional)

φ6

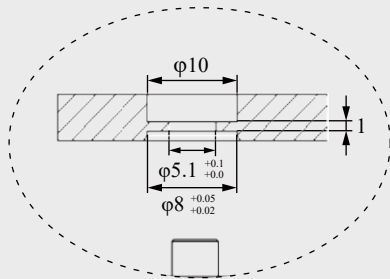
φ10.1

Precise Positioning Installation

PN-CN5N5

OR-02

M5



Photoelectric Sensor Installation

SE-24



Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)

M5

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance D can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-3B10[H]/S Straight Fitting Strengthen Material | | BML-3B10[H]/S Side Fitting Strengthen Material | |  |
| | BMC-3B10[HAS]/S Straight Fitting Dust-free Strengthen Material | | BML-3B10[HAS]/S Side Fitting Dust-free Strengthen Material | | |
| | BMC Weight 2.4g | | BML Weight 17.5g | | |

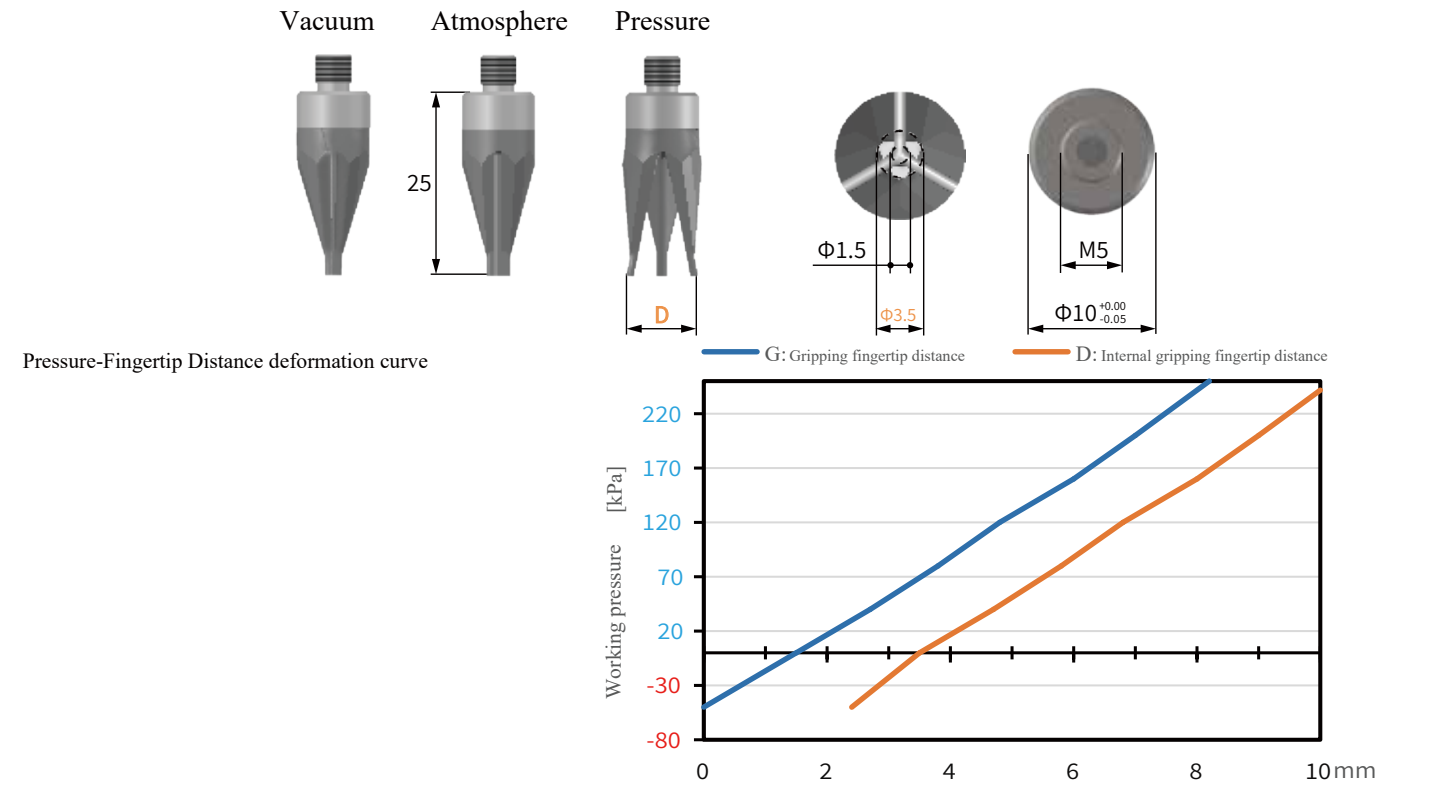
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 2.5-5mm | Internal gripping force | 0-0.1N | Theoretical internal gripping load** | 0-4g | Ideal internal gripping workpiece size* | 4mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <250kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Installation

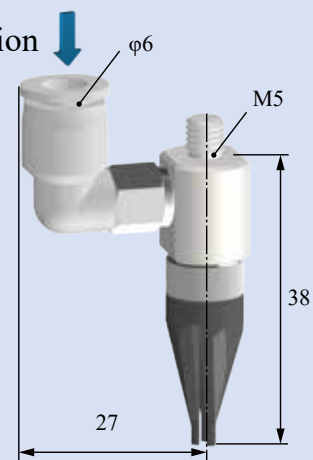
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

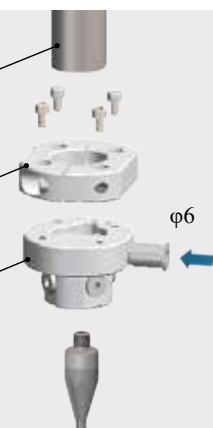


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

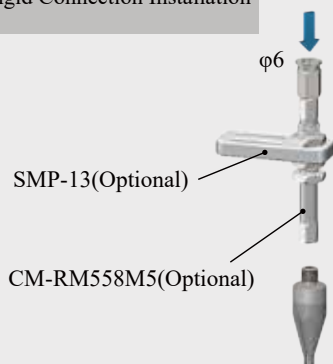
Six Axis Robotic Arm

FCM-S01(Optional)

φ6



Rigid Connection Installation

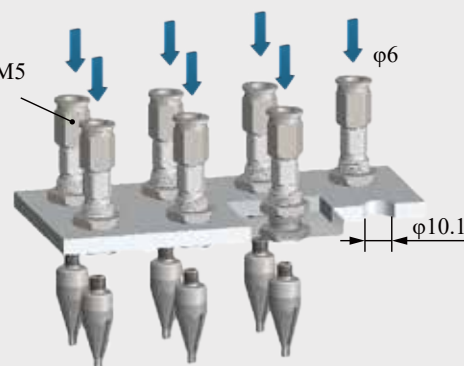


Buffer Installation



Matrix Installation

CM-RM525M5
(Optional)

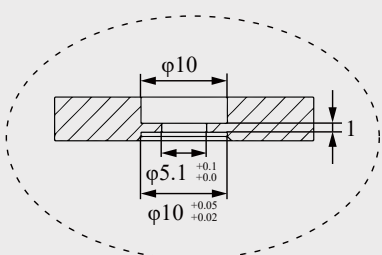


Precise Positioning Installation

PN-CN5N5

OR-02

M5

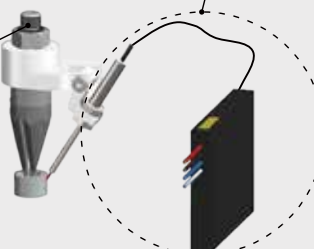


Photoelectric Sensor Installation

SE-24
Diffuse Reflection
Photoelectric Sensor (optional)

BR-12
Sensor Bracket
(optional)

M5



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|------------|---|
|  | BMC-3B12[H]/S Straight Fitting Strengthen Material | | BML-3B12[H]/S Side Fitting Strengthen Material | |  |
| | BMC-3B12[HAS]/S Straight Fitting Dust-free Strengthen Material | | BML-3B12[HAS]/S Side Fitting Dust-free Strengthen Material | | |
| | BMC Weight | | 5.1g | BML Weight | |

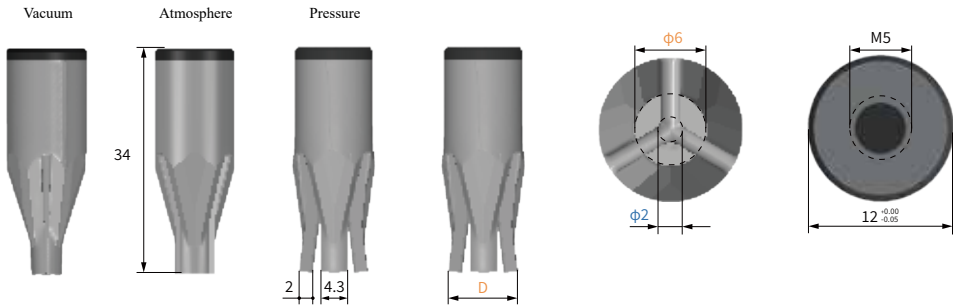
Paremeter

| | | | | | | | |
|-------------------------|----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 5.5-12mm | Internal gripping force | 0-0.1N | Theoretical internal gripping load** | 0-8g | Ideal internal gripping workpiece size* | 8mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <240kPa |

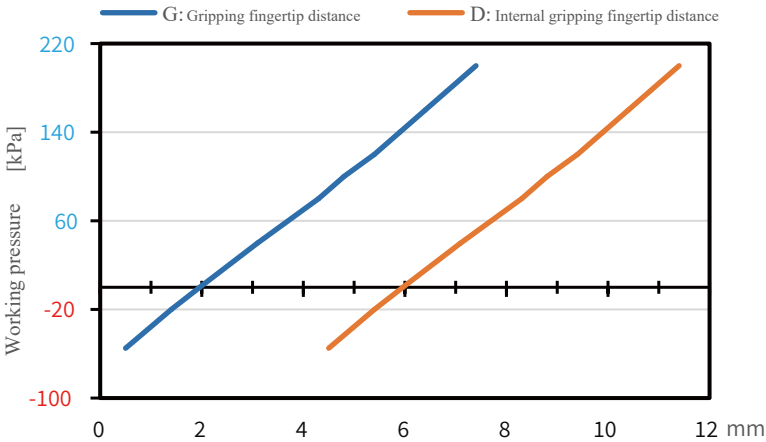
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

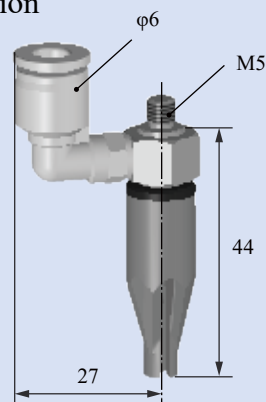
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

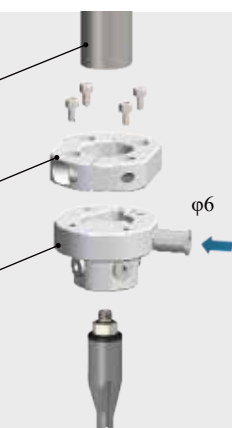


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

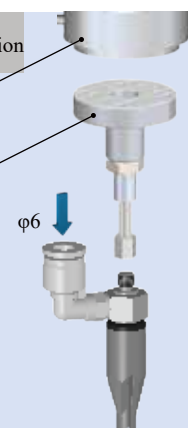
CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)



Rigid Connection Installation



SMP-13 (Optional)

CM-RM558M5 (Optional)

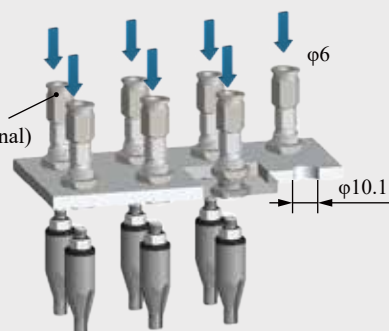
Buffer Installation



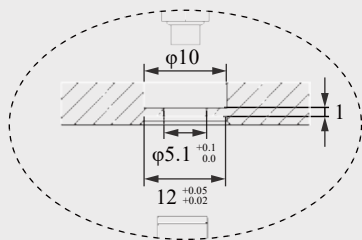
CM-S04 (Optional)

Matrix Installation

CM-RM525M5 (Optional)



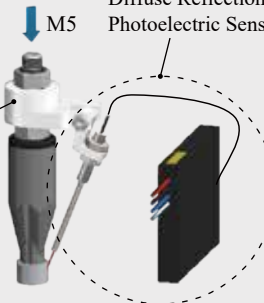
Precise Positioning Installation



Photoelectric Sensor Installation


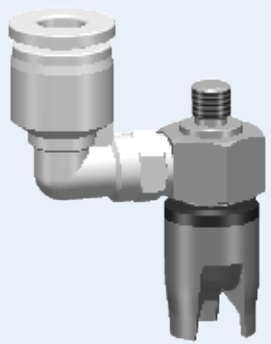
BR-12
Sensor Bracket
(optional)

SE-24
Diffuse Reflection
Photoelectric Sensor (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|----|---|--|---|
|  | BMC-3C12[H]/S Straight Fitting Strengthen Materia | | BML-3C12[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-3C12[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-3C12[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 4g | BML Weight | | 15.5g |

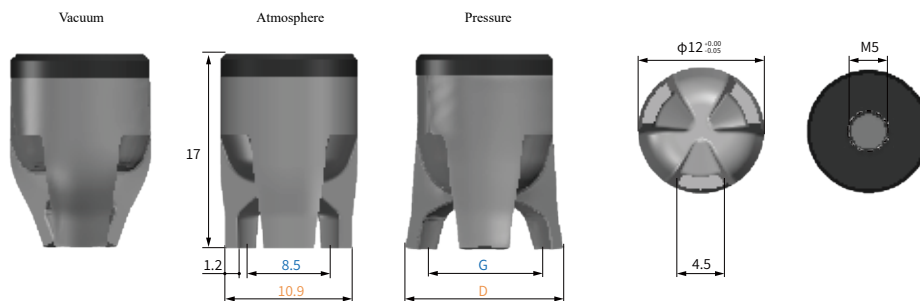
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 4-11mm | Gripping force | 0-0.5N | Theoretical gripping load** | 0-38g | Ideal gripping workpiece size* | 8mm |
| Internal gripping range | 11-14mm | Internal gripping force | 0-0.4N | Theoretical internal gripping load** | 0-26g | Ideal internal gripping workpiece size* | 12mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <200kPa |

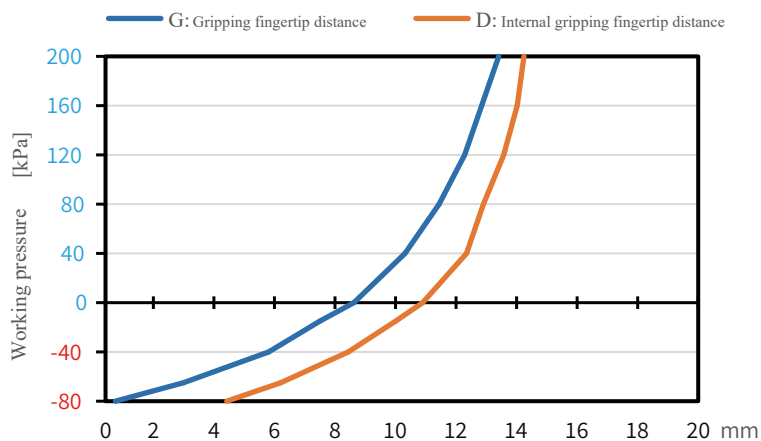
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

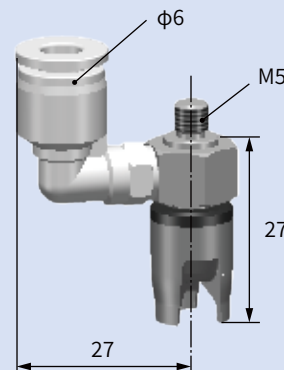
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

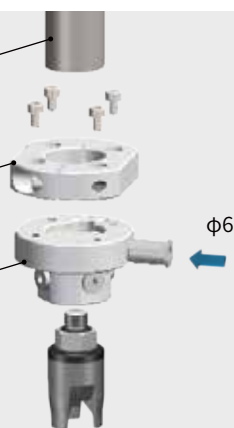


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

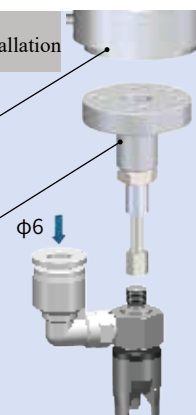
CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

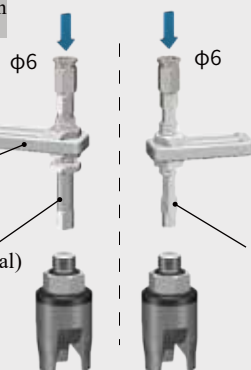
FCM-S01(Optional)



Rigid Connection Installation

SMP-13 (Optional)

CM-RM558M5 (Optional)



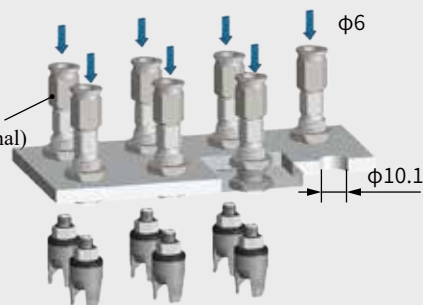
Buffer Installation

CM-S04 (Optional)

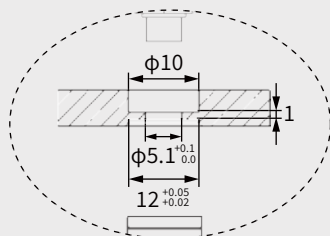


Matrix Installation

CM-RM525M5 (Optional)



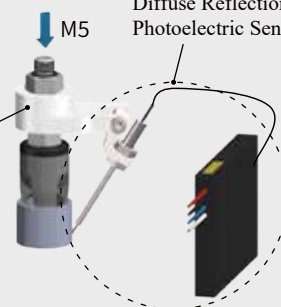
Precise Positioning Installation



Photoelectric Sensor Installation


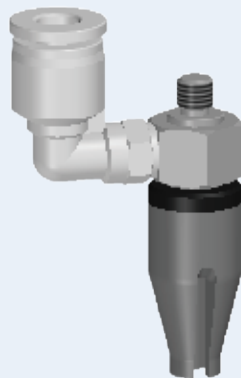
BR-12
Sensor Bracket
(optional)

SE-24
Diffuse Reflection
Photoelectric Sensor (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance D can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-3B13[H]/S Straight Fitting Strengthen Materia | | BML-3B13[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-3B13[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-3B13[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight 4.9g | | BML Weight 16.4g | | |

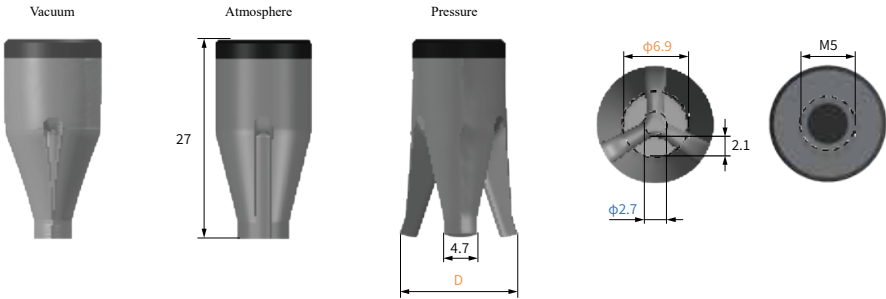
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 6-15mm | Internal gripping force | 0-0.2N | Theoretical internal gripping load** | 0-14g | Ideal internal gripping workpiece size* | 10mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

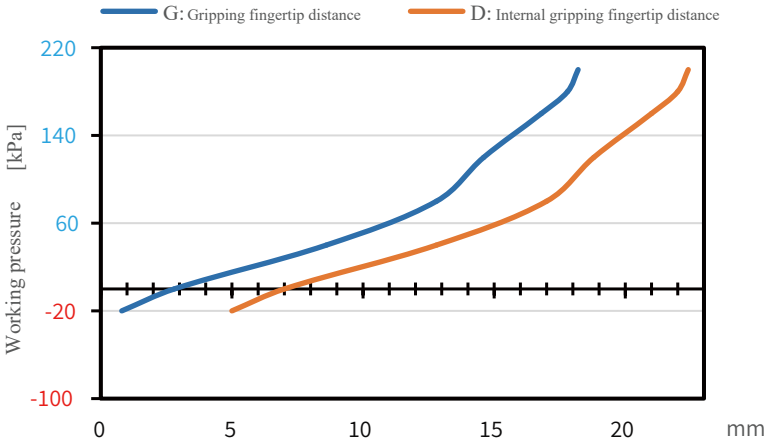
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

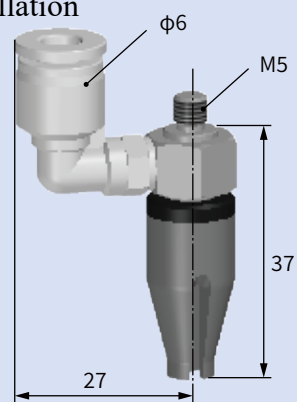


Installation

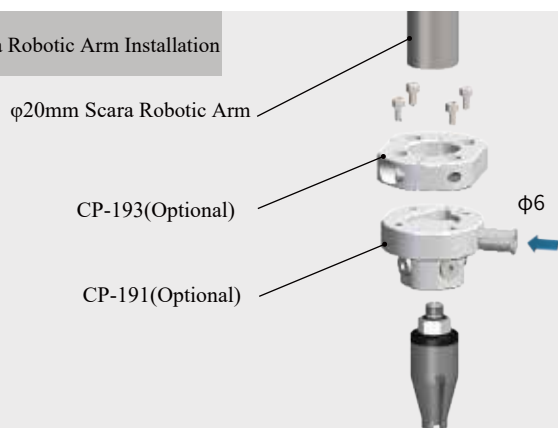
BMC Straight Fitting Installation



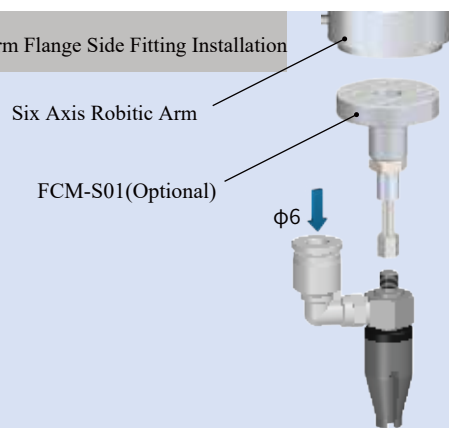
BML Side Fitting Installation



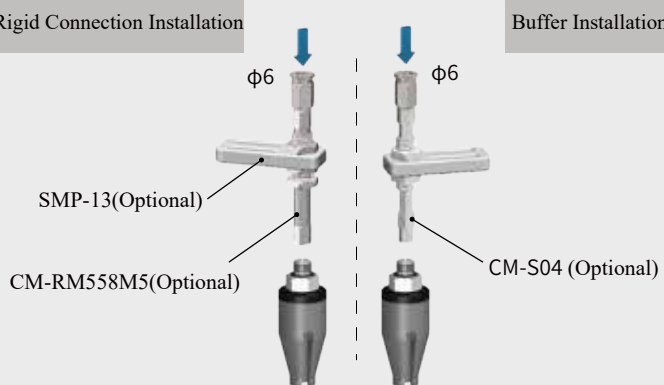
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

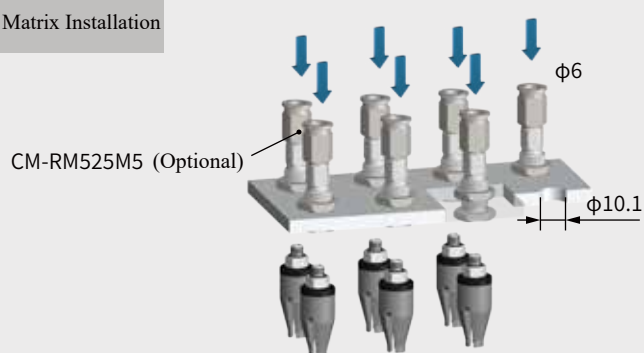


Rigid Connection Installation

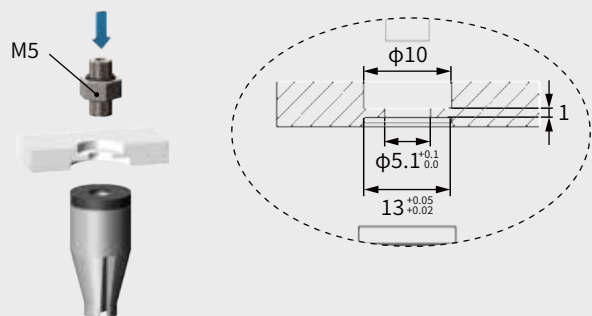


Buffer Installation

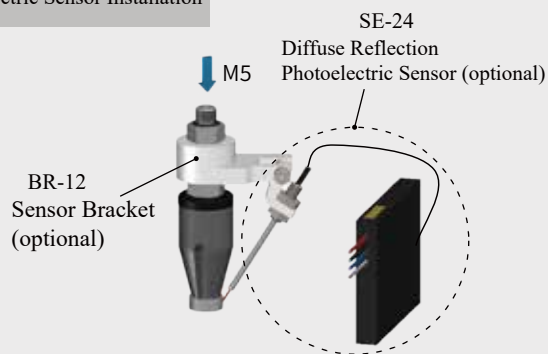
Matrix Installation



Precise Positioning Installation



Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance D can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-3B14[P]/S Straight Fitting Strengthen Materia | | BML-3B14[P]/S Side Fitting Strengthen Materia | |  |
| | BMC-3B14[PAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-3B14[PAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | BML Weight | | |
| | 5.2g | | 16.7g | | |

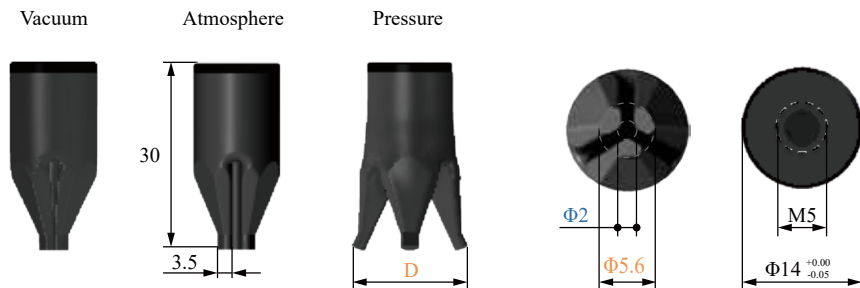
Parameter

| | | | | | | | |
|-------------------------|----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 5.5-13mm | Internal gripping force | 0-0.2N | Theoretical internal gripping load** | 0-17g | Ideal internal gripping workpiece size* | 8mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

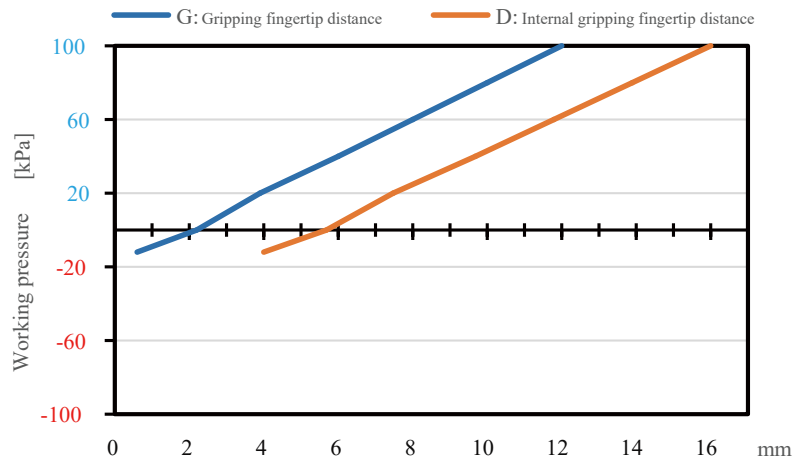
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

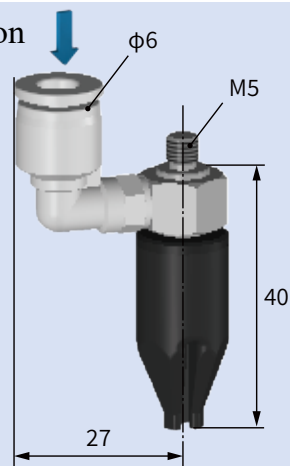
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



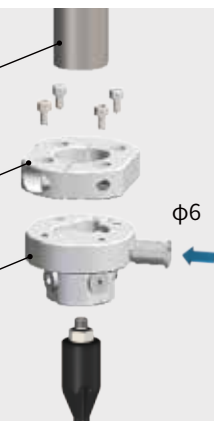
Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

CP-191(Optional)

φ6



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)

φ6

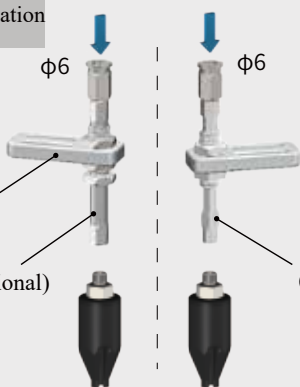


Rigid Connection Installation

φ6

SMP-13 (Optional)

CM-RM558M5(Optional)



Buffer Installation

φ6

CM-S04 (Optional)

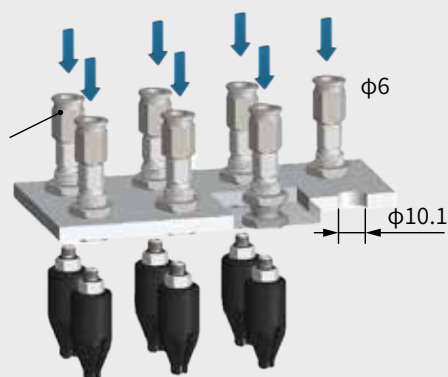


Matrix Installation

CM-RM525M5 (Optional)

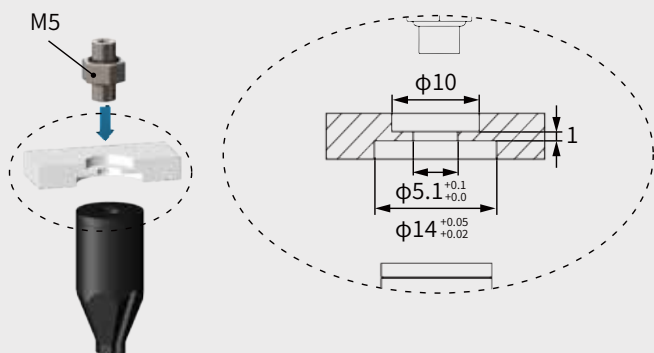
φ6

φ10.1



Precise Positioning Installation

M5



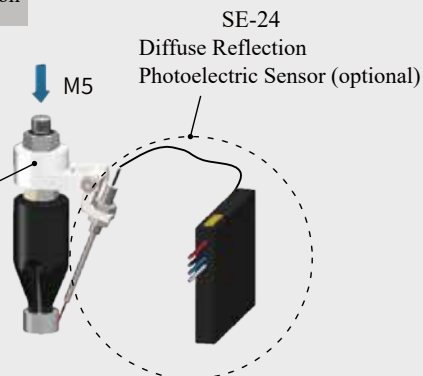
Photoelectric Sensor Installation

SE-24

Diffuse Reflection Photoelectric Sensor (optional)


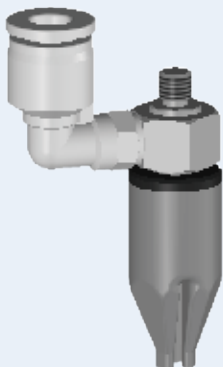
M5

BR-12 Sensor Bracket (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance D can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-3B14[H]/S Straight Fitting Strengthen Materia | | BML-3B14[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-3B14[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-3B14[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 5.7g | BML Weight | |

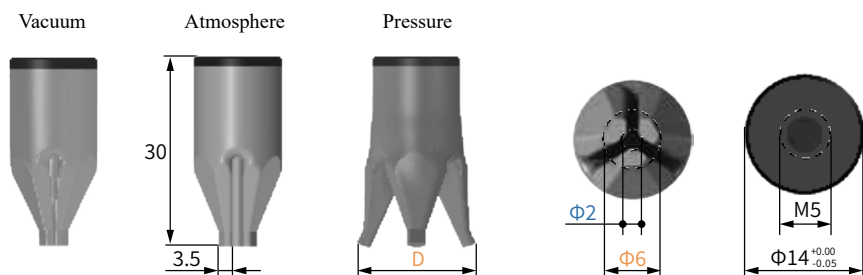
Parameter

| | | | | | | | |
|-------------------------|----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 5.5-11mm | Internal gripping force | 0-0.3N | Theoretical internal gripping load** | 0-21g | Ideal internal gripping workpiece size* | 8mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

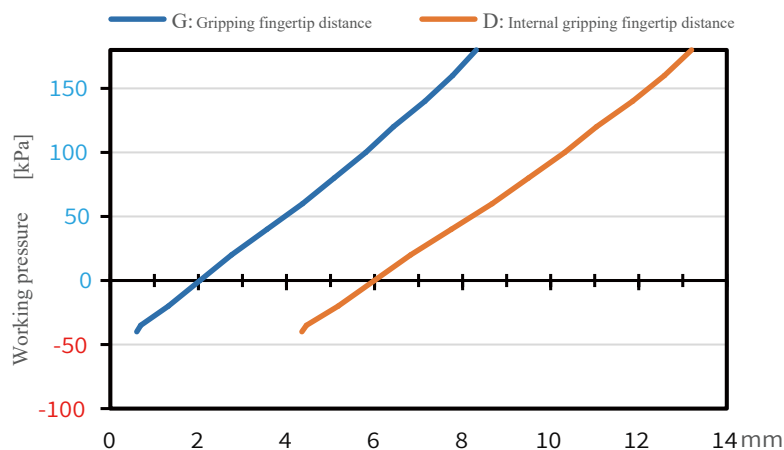
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

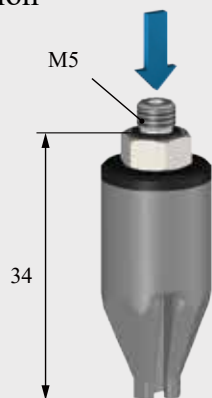


Pressure-Fingertip Distance deformation curve

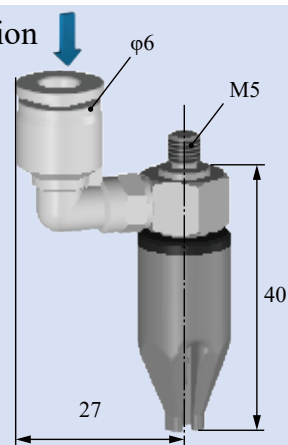


Installation

BMC Straight Fitting Installation



BML Side Fitting Installation

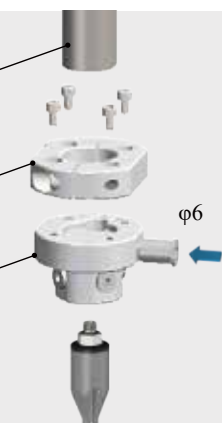


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

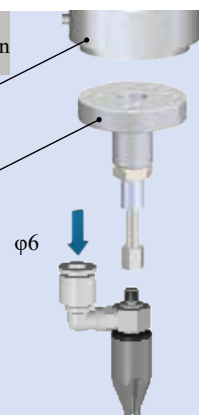
CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

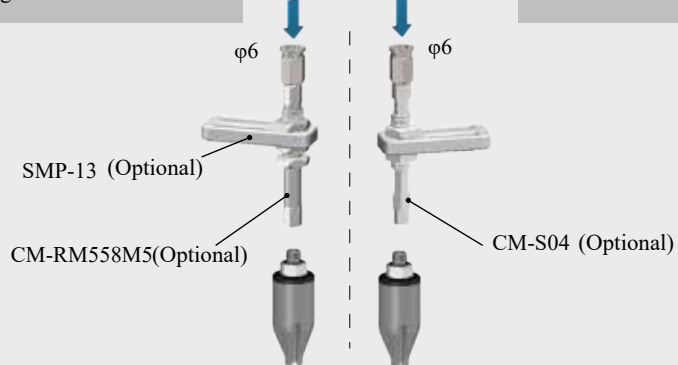
Six Axis Robotic Arm

FCM-S01(Optional)

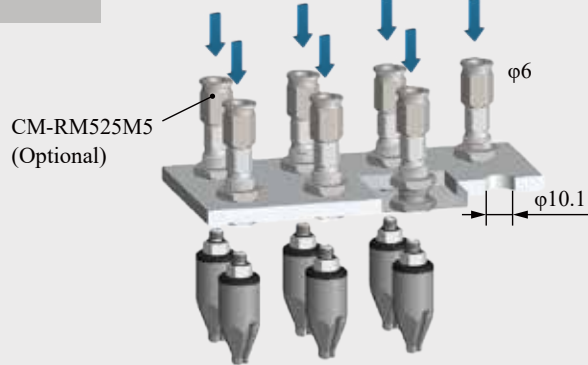


Rigid Connection Installation

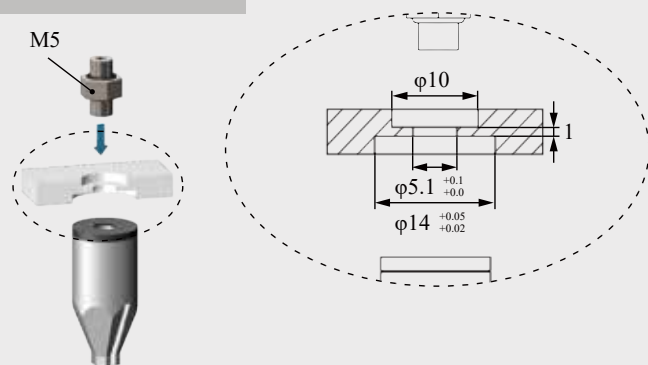
Buffer Installation



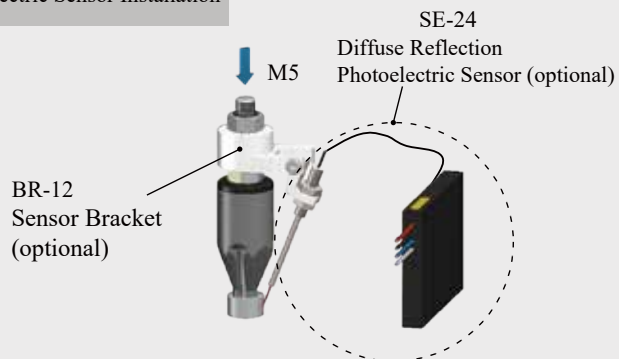
Matrix Installation



Precise Positioning Installation


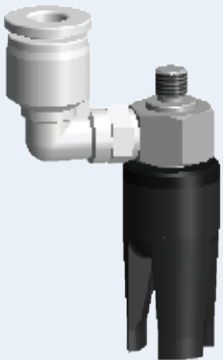


Photoelectric Sensor Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|--|--|---|--|-------|
|  | BMC-3A15[P]/S Straight Fitting Normal Material | BML-3A15[P]/S Side Fitting Normal Material |  | | |
| | BMC-3A15[PAS]/S Straight Fitting Dust-free Normal Material | BML-3A15[PAS]/S Side Fitting Dust-free Normal Material | | | |
| BMC Weight | | 6.4g | BML Weight | | 17.9g |

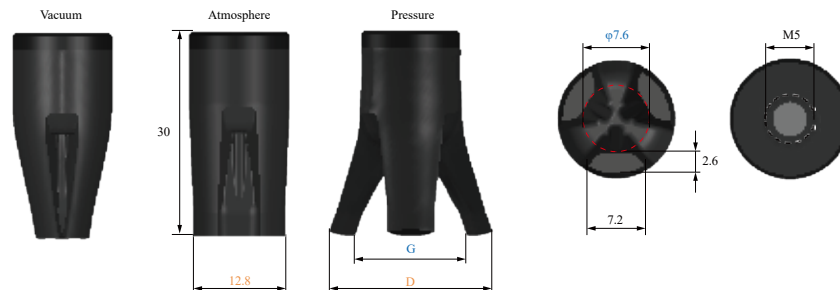
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 2-8mm | Gripping force | 0-0.2N | Theoretical gripping load** | 0-16g | Ideal gripping workpiece size* | 7.5mm |
| Internal gripping range | 15-22mm | Internal gripping force | 0-0.6N | Theoretical internal gripping load** | 0-45g | Ideal internal gripping workpiece size* | 15mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <90kPa |

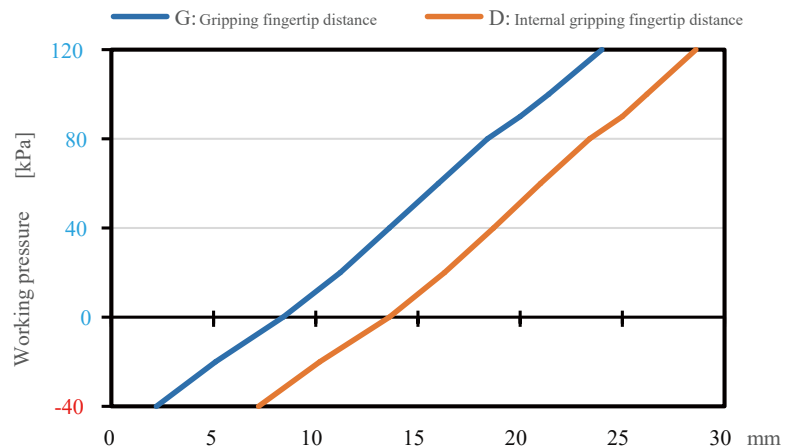
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

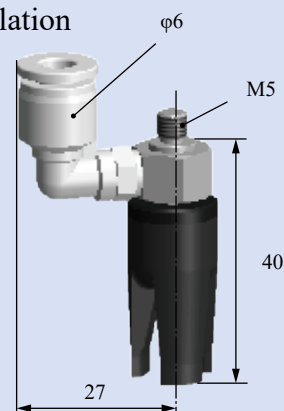
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

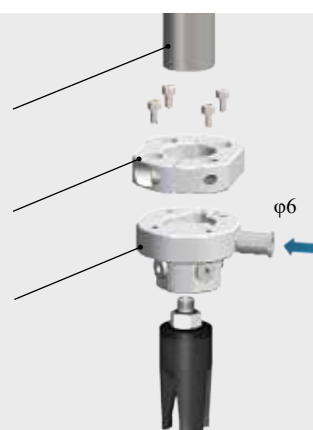


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

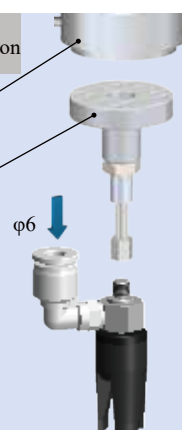
CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

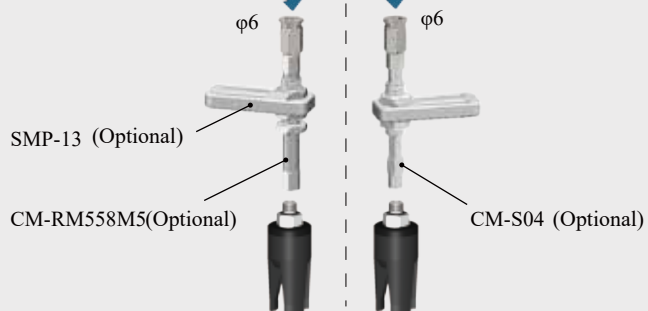
Six Axis Robotic Arm

FCM-S01(Optional)



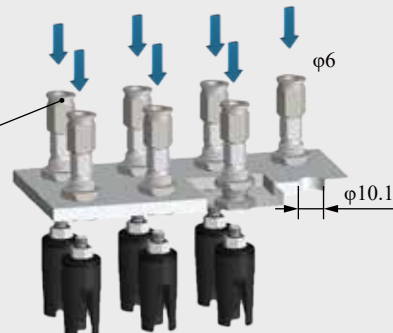
Rigid Connection Installation

Buffer Installation

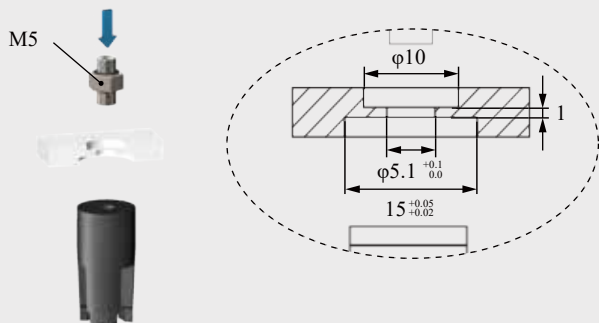


Matrix Installation

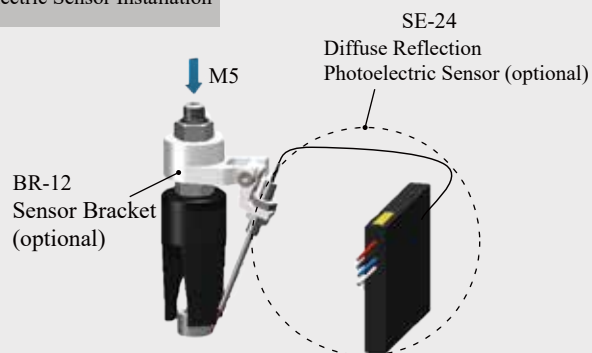
CM-RM525M5 (Optional)



Precise Positioning Installation


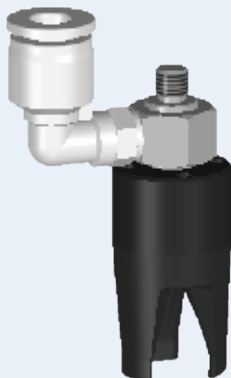


Photoelectric Sensor Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|---|---|---|--|-------|
|  | BMC-3A18[P]/S Straight Fitting Normal Materia | BML-3A18[P]/S Side Fitting Normal Materia |  | | |
| | BMC-3A18[PAS]/S Straight Fitting Dust-free Normal Materia | BML-3A18[PAS]/S Side Fitting Dust-free Normal Materia | | | |
| BMC Weight | | 9.9g | BML Weight | | 21.4g |

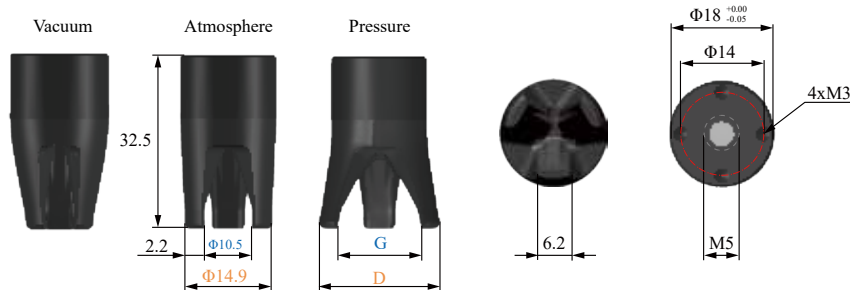
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 3-12mm | Gripping force | 0-0.3N | Theoretical gripping load** | 0-24g | Ideal gripping workpiece size* | 10.5mm |
| Internal gripping range | 17-21mm | Internal gripping force | 0-0.9N | Theoretical internal gripping load** | 0-69g | Ideal internal gripping workpiece size* | 17mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

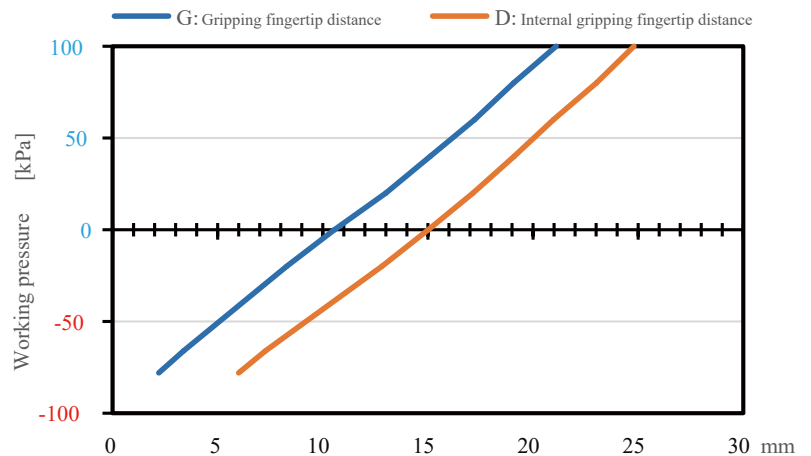
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

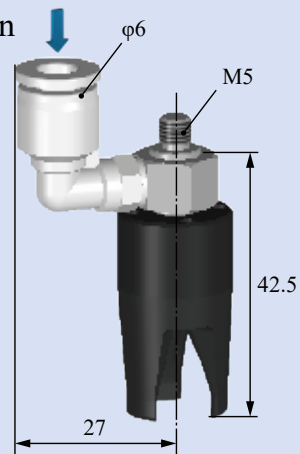
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



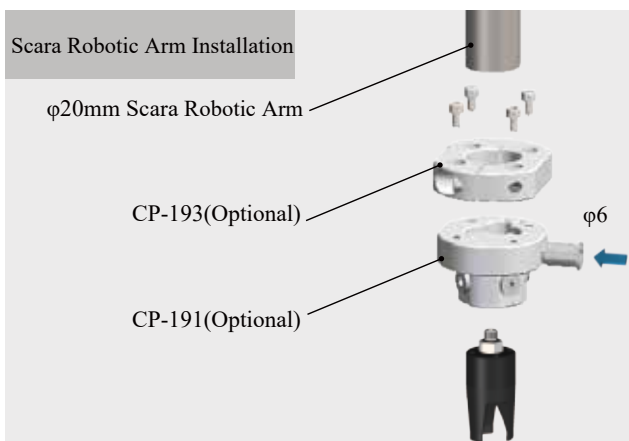
Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

CP-191(Optional)

φ6

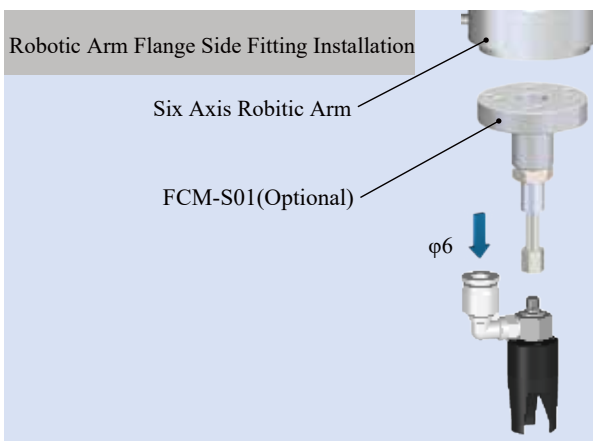


Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)

φ6

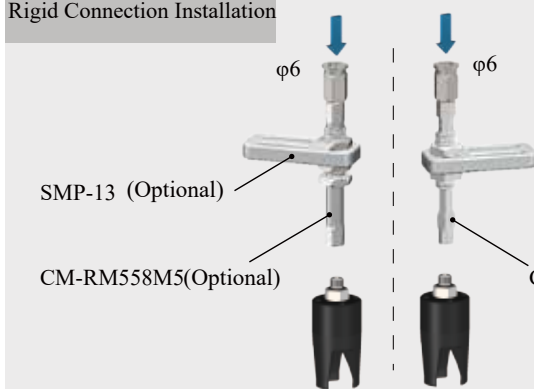


Rigid Connection Installation

φ6

SMP-13 (Optional)

CM-RM558M5(Optional)



Buffer Installation

φ6

CM-S04 (Optional)

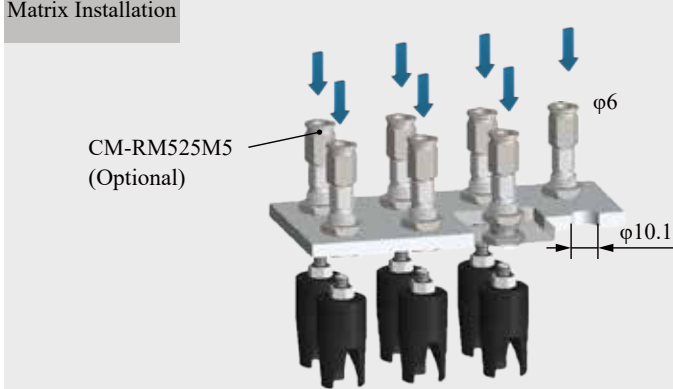


Matrix Installation

CM-RM525M5 (Optional)

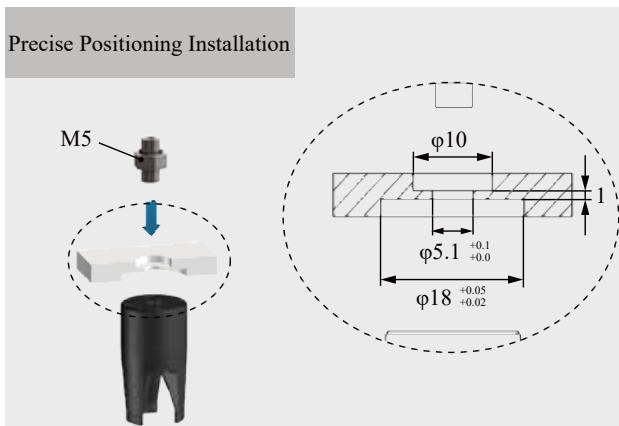
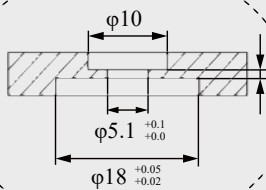
φ6

φ10.1



Precise Positioning Installation

M5

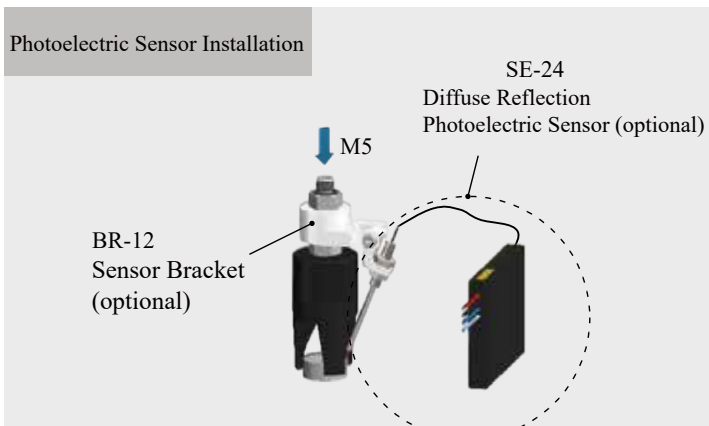


Photoelectric Sensor Installation

SE-24
Diffuse Reflection
Photoelectric Sensor (optional)

BR-12
Sensor Bracket
(optional)

M5



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|---|--|---|--|---|
|  | BMC-3A18[H]/S Straight Fitting Strengthen Materia | | BML-3A18[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-3A18[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-3A18[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | BML Weight | | |
| | 9.9g | | 21.4g | | |

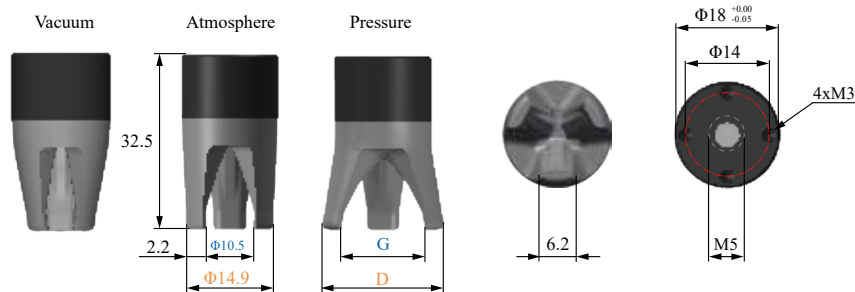
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 6-12mm | Gripping force | 0-0.4N | Theoretical gripping load** | 0-26g | Ideal gripping workpiece size* | 10.5mm |
| Internal gripping range | 17-21mm | Internal gripping force | 0-1.7N | Theoretical internal gripping load** | 0-127g | Ideal internal gripping workpiece size* | 17mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <200kPa |

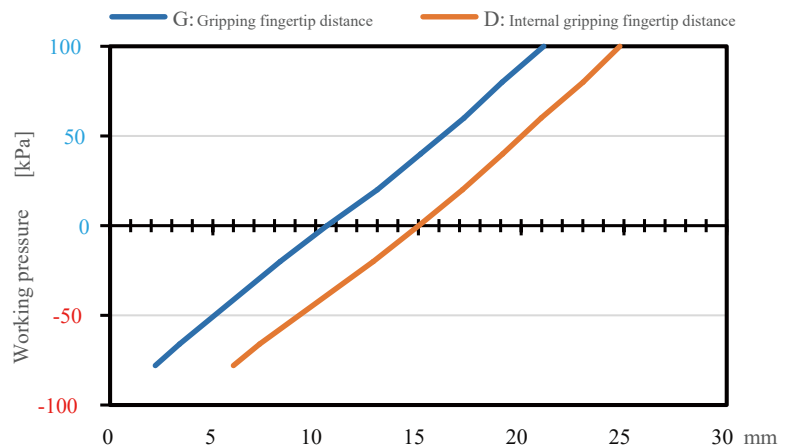
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

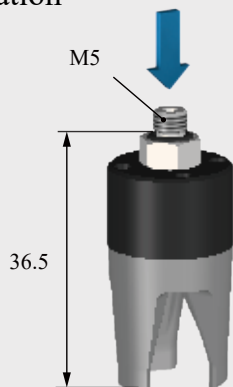


Installation

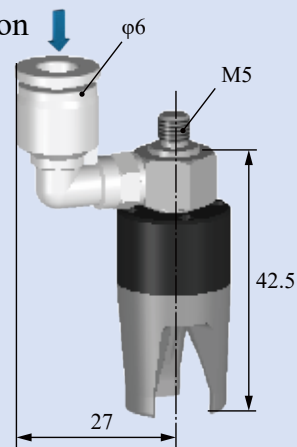
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



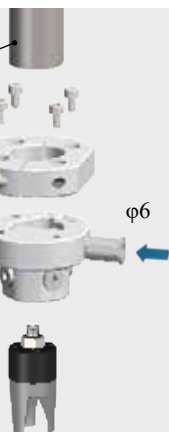
Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

CP-191(Optional)

φ6

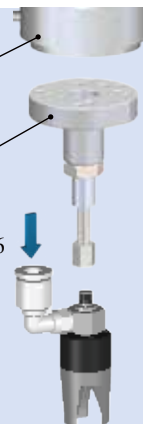


Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)

φ6

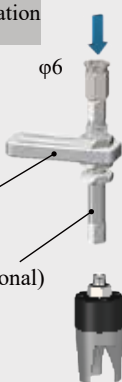


Rigid Connection Installation

φ6

SMP-13 (Optional)

CM-RM558M5(Optional)



Buffer Installation

φ6

CM-S04 (Optional)

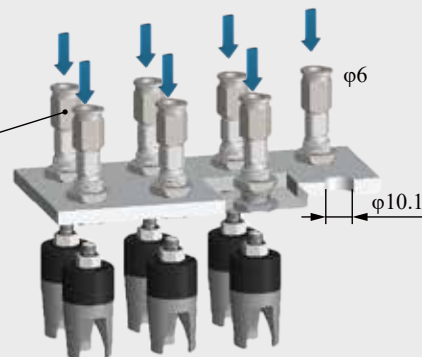


Matrix Installation

CM-RM525M5 (Optional)

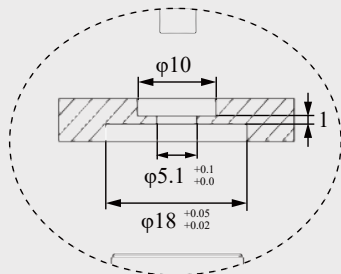
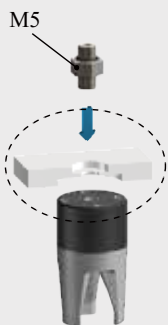
φ6

φ10.1



Precise Positioning Installation

M5



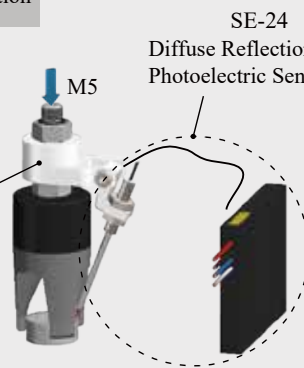
Photoelectric Sensor Installation

SE-24

Diffuse Reflection Photoelectric Sensor (optional)


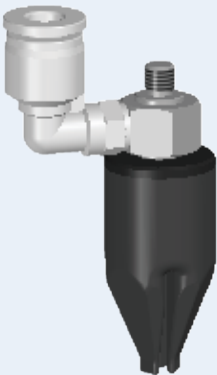
BR-12 Sensor Bracket (optional)

M5



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance D can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|---|---|------------|---|-------|
|  | BMC-3B18[P]/S Straight Fitting Normal Material | BML-3B18[P]/S Side Fitting Normal Material | |  | |
| | BMC-3B18[PAS]/S Straight Fitting Dust-free Normal Material | BML-3B18[PAS]/S Side Fitting Dust-free Normal Material | | | |
| BMC Weight | | 8.3g | BML Weight | | 21.5g |

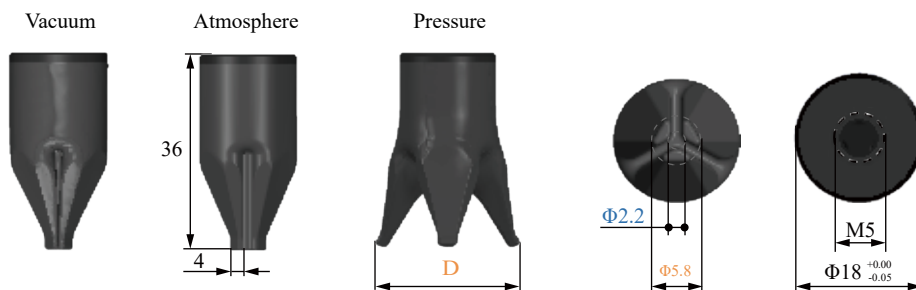
Parameter

| | | | | | | | |
|-------------------------|----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 5.5-19mm | Internal gripping force | 0-0.5N | Theoretical internal gripping load** | 0-41g | Ideal internal gripping workpiece size* | 10mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

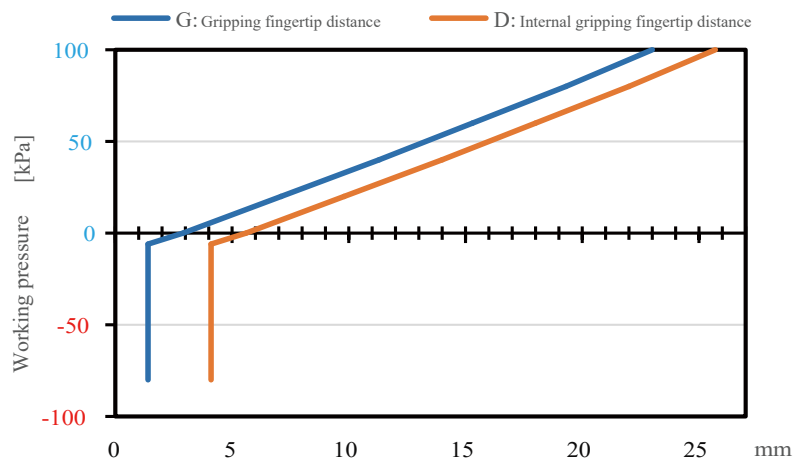
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

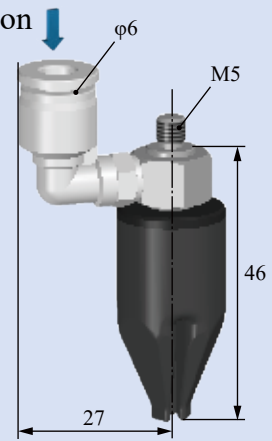
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

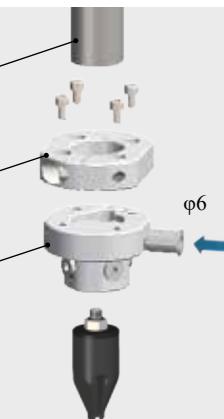


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

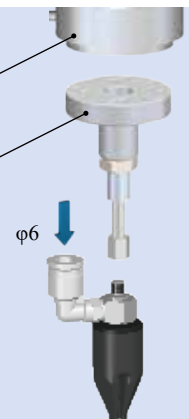
CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)



Rigid Connection Installation



SMP-13 (Optional)

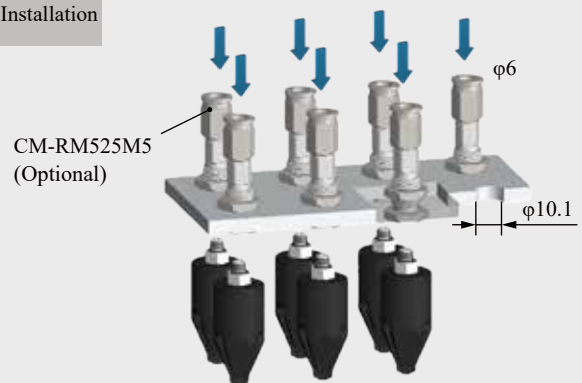
CM-RM558M5(Optional)

Buffer Installation



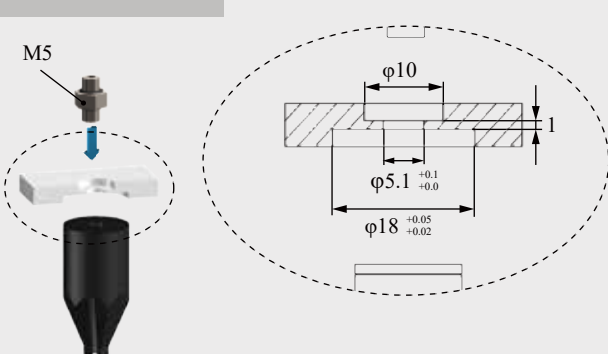
CM-S04 (Optional)

Matrix Installation

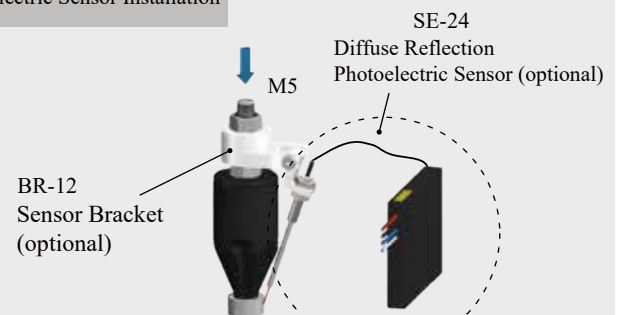


CM-RM525M5 (Optional)

Precise Positioning Installation



Photoelectric Sensor Installation


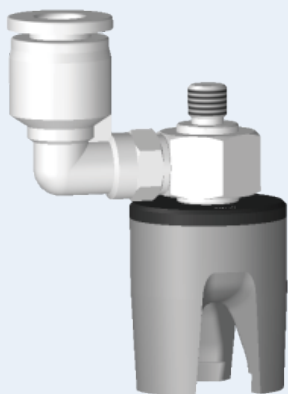


BR-12 Sensor Bracket (optional)

SE-24 Diffuse Reflection Photoelectric Sensor (optional)

Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-3A20[H]/S Straight Fitting Strengthen Materia | | BML-3A20[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-3A20[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-3A20[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 8.1g | BML Weight | |

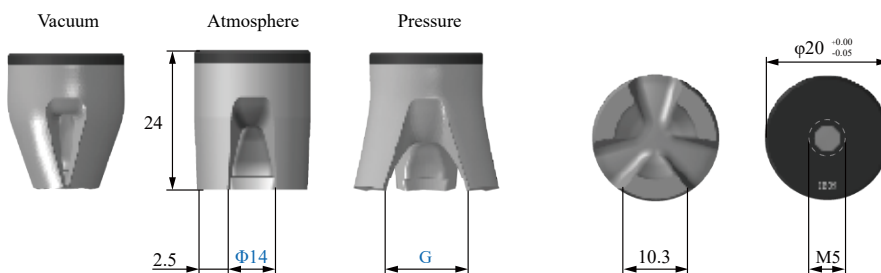
Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 6-17mm | Gripping force | 0-1.3N | Theoretical gripping load** | 0-99g | Ideal gripping workpiece size* | 14mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

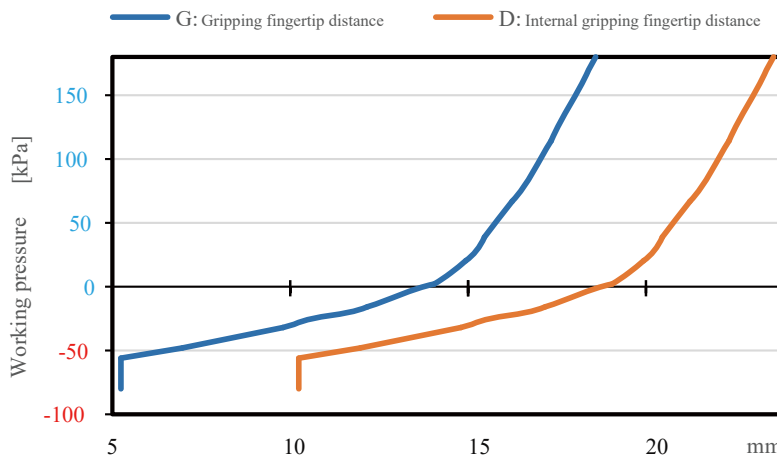
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

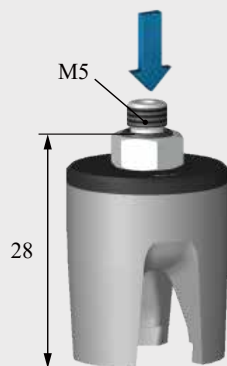


Installation

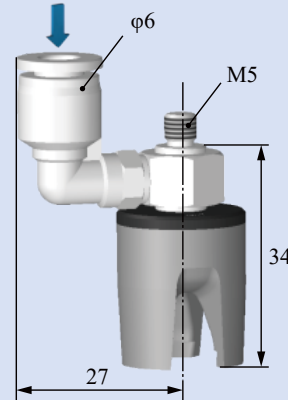
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

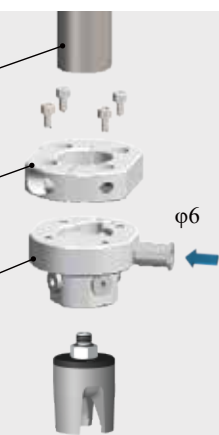


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

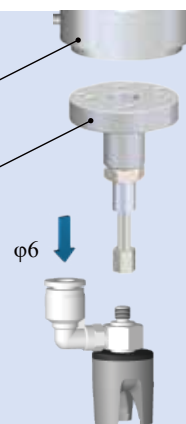
CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)



Rigid Connection Installation

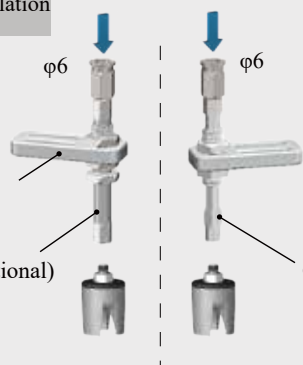
Buffer Installation

Matrix Installation

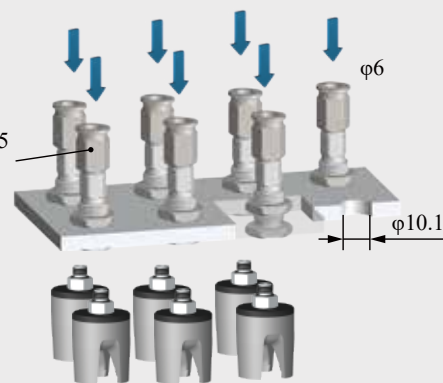
SMP-13 (Optional)

CM-RM558M5(Optional)

CM-S04 (Optional)

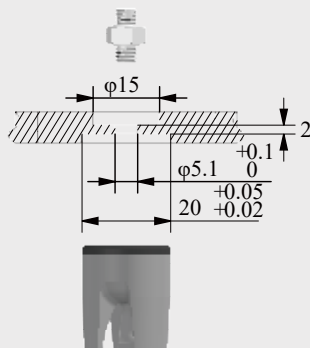
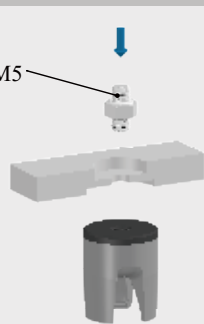


CM-RM525M5
(Optional)



Precise Positioning Installation

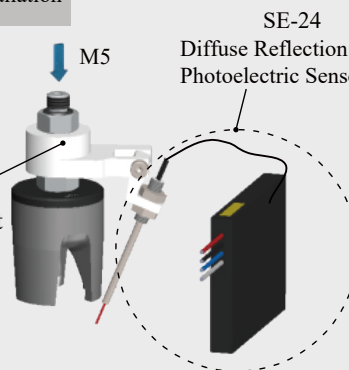
M5



Photoelectric Sensor Installation

BR-12
Sensor Bracket
(optional)

SE-24
Diffuse Reflection
Photoelectric Sensor (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|---|---|--|-------|
|  | BMC-3G20[H]/S Straight Fitting Strengthen Materia | BML-3G20[H]/S Side Fitting Strengthen Materia |  | | |
| | BMC-3G20[HAS]/S Straight Fitting Dust-free Strengthen Materia | BML-3G20[HAS]/S Side Fitting Dust-free Strengthen Materia | | | |
| BMC Weight | | 8.4g | BML Weight | | 19.9g |

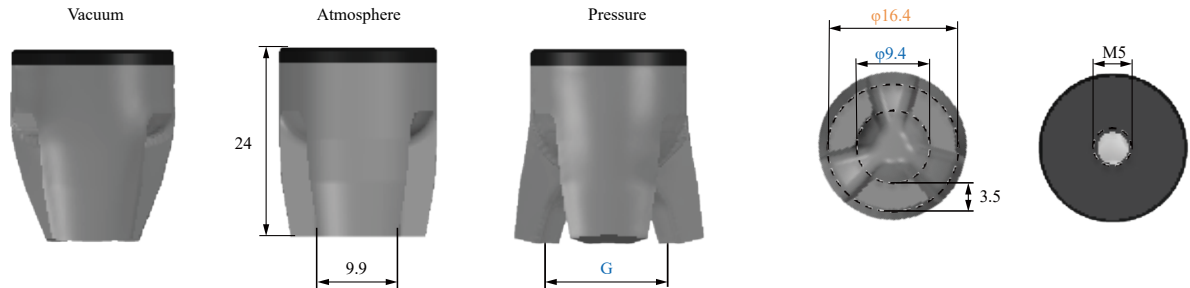
Paremeter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 5-12mm | Gripping force | 0-1.5N | Theoretical gripping load** | 0-111g | Ideal gripping workpiece size* | 10mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

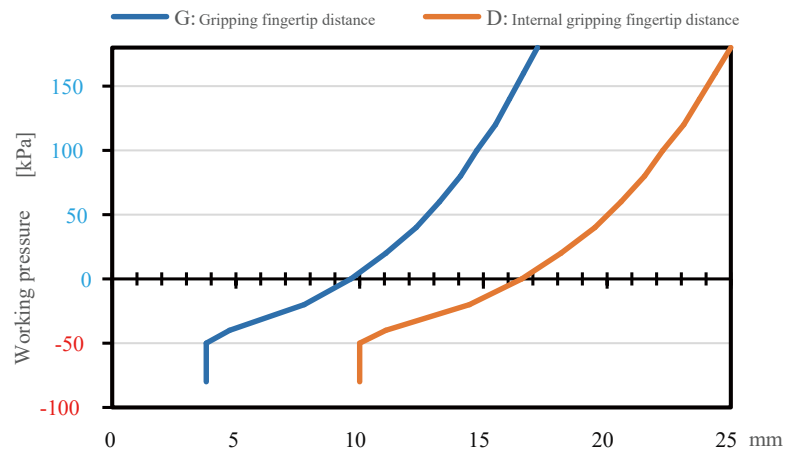
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

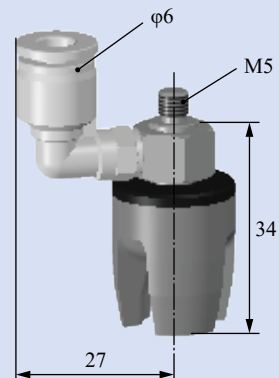
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

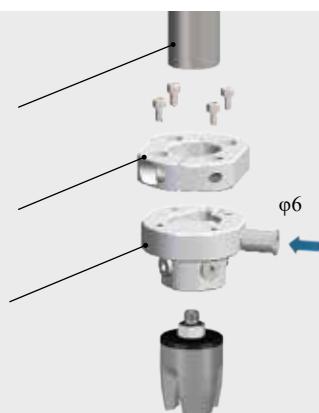


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

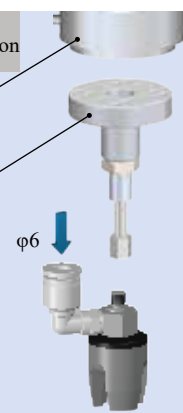
CP-191(Optional)



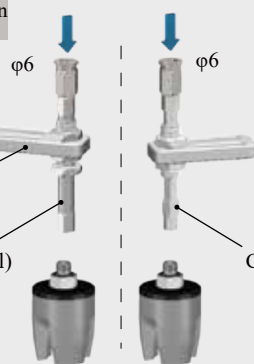
Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

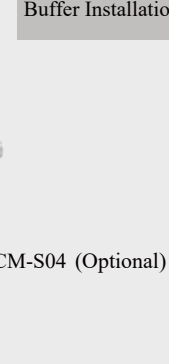
FCM-S01(Optional)



Rigid Connection Installation

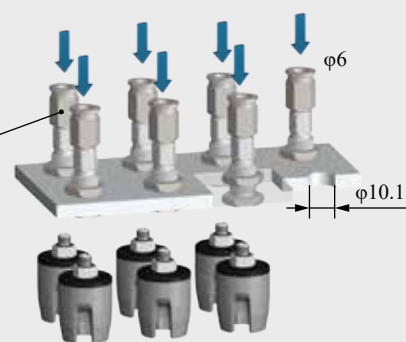


Buffer Installation

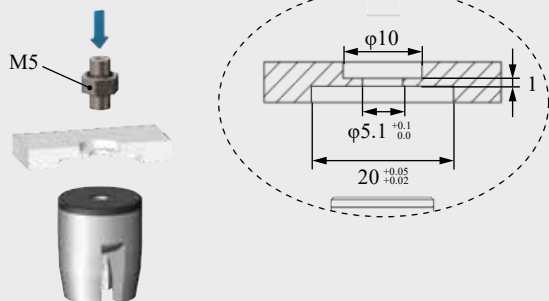


Matrix Installation

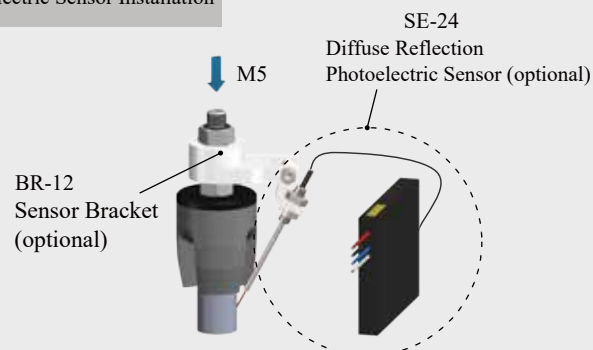
CM-RM525M5 (Optional)



Precise Positioning Installation


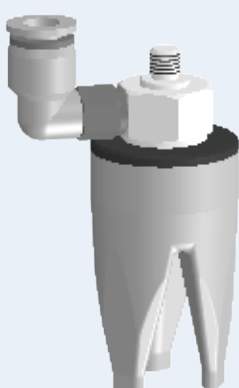


Photoelectric Sensor Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|-----|---|--|---|
|  | BMC-3B24[H]/S Straight Fitting Strengthen Materia | | BML-3B24[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-3B24[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-3B24[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 20g | BML Weight | | 34g |

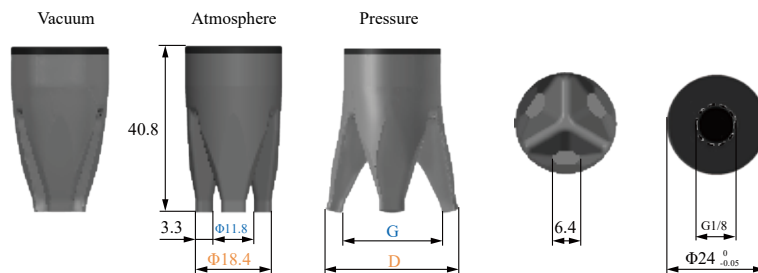
Parameter

| | | | | | | | |
|-------------------------|----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 3.5-12mm | Gripping force | 0-0.4N | Theoretical gripping load** | 0-33g | Ideal gripping workpiece size* | 10mm |
| Internal gripping range | 15-29mm | Internal gripping force | 0-1.6N | Theoretical internal gripping load** | 0-118g | Ideal internal gripping workpiece size* | 25mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

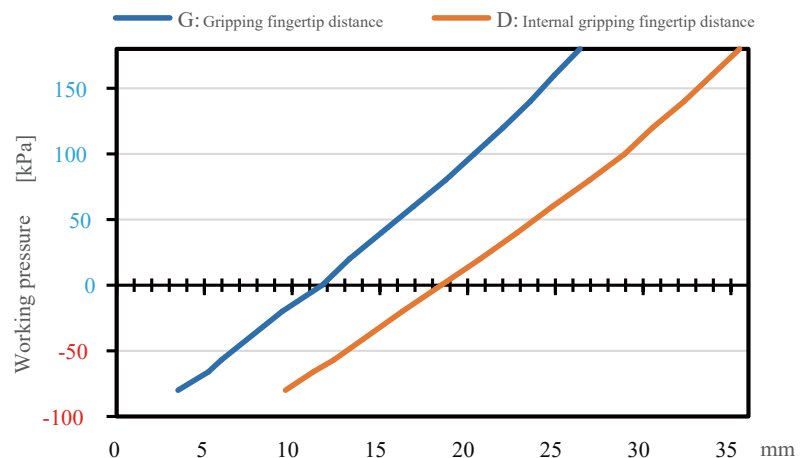
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

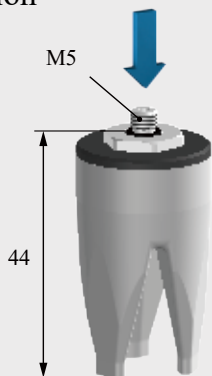


Installation

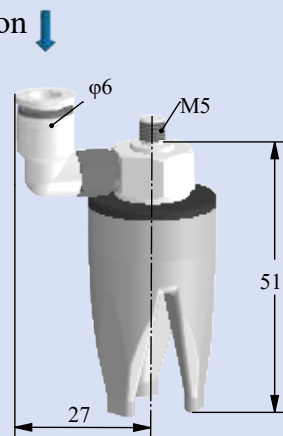
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

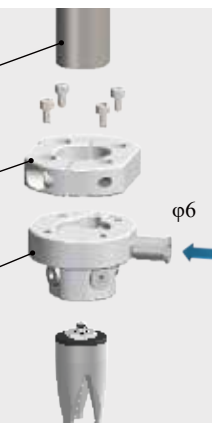


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

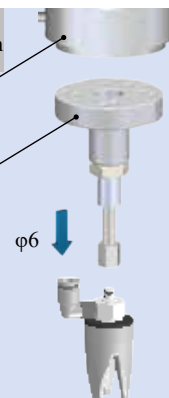
CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)



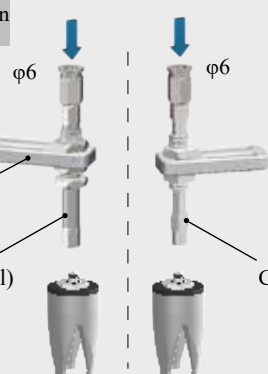
Rigid Connection Installation

SMP-13 (Optional)

CM-RM558M5(Optional)

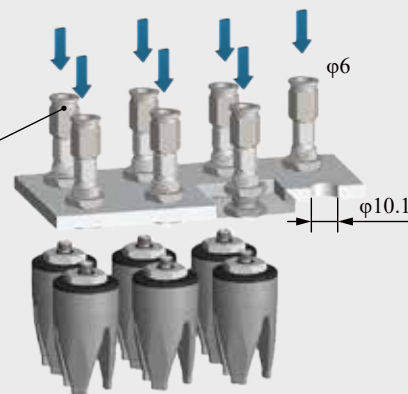
Buffer Installation

CM-S04 (Optional)



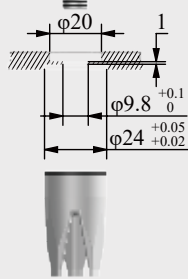
Matrix Installation

CM-RM525M5 (Optional)



Precise Positioning Installation

M5

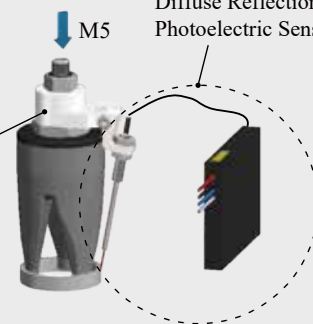


Photoelectric Sensor Installation

SE-24



Diffuse Reflection Photoelectric Sensor (optional)

BR-12 Sensor Bracket (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-3C24[P]/S Straight Fitting Normal Materia | | BML-3C24[P]/S Side Fitting Normal Materia | |  |
| | BMC-3C24[PAS]/S Straight Fitting Dust-free Normal Materia | | BML-3C24[PAS]/S Side Fitting Dust-free Normal Materia | | |
| | BMC Weight | | BML Weight | | |
| | 16.5g | | 28.8g | | |

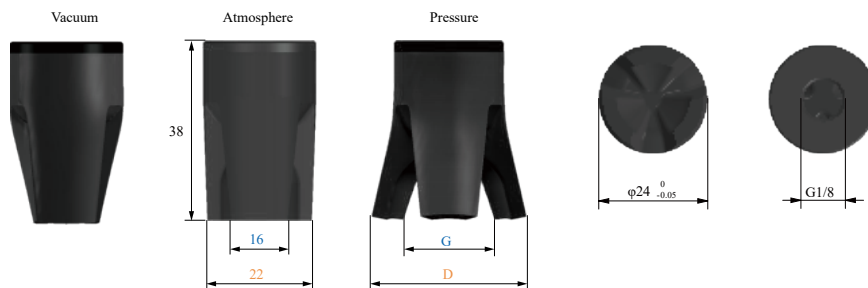
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 6-20mm | Gripping force | 0-1.2N | Theoretical gripping load** | 0-91g | Ideal gripping workpiece size* | 16mm |
| Internal gripping range | 24-30mm | Internal gripping force | 0-3.4N | Theoretical internal gripping load** | 0-257g | Ideal internal gripping workpiece size* | 24mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <90kPa |

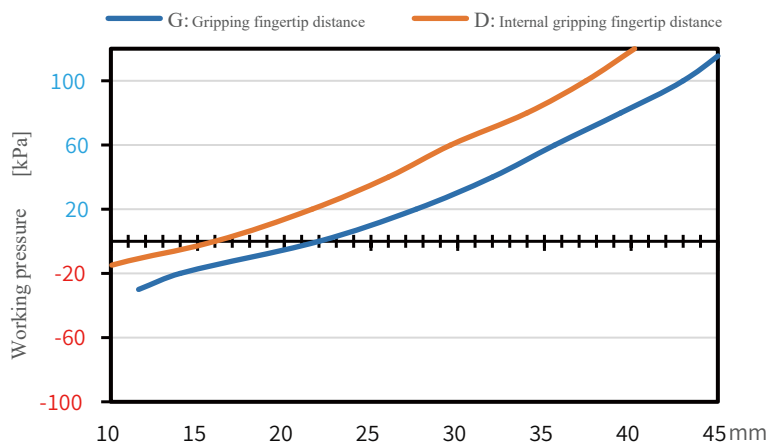
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

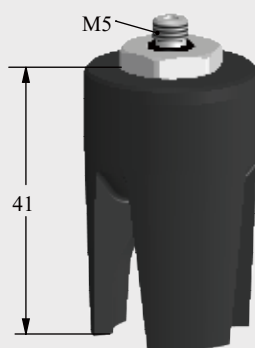


Pressure-Fingertip Distance deformation curve

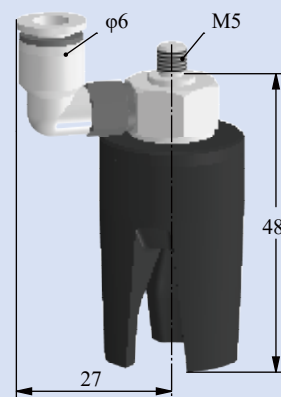


Installation

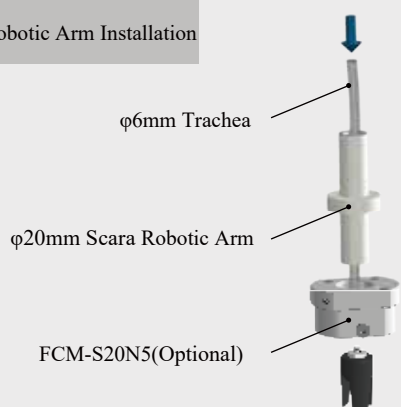
BMC Straight Fitting Installation



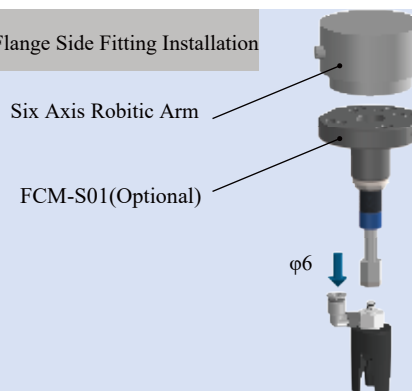
BML Side Fitting Installation



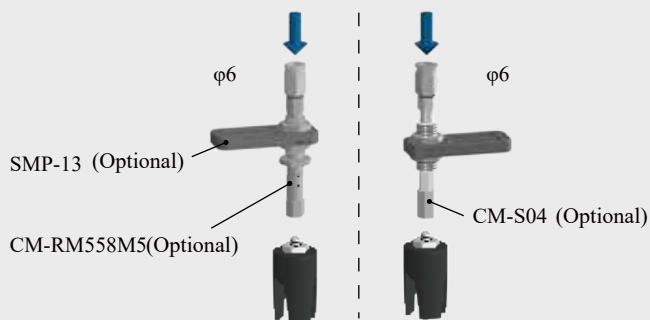
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

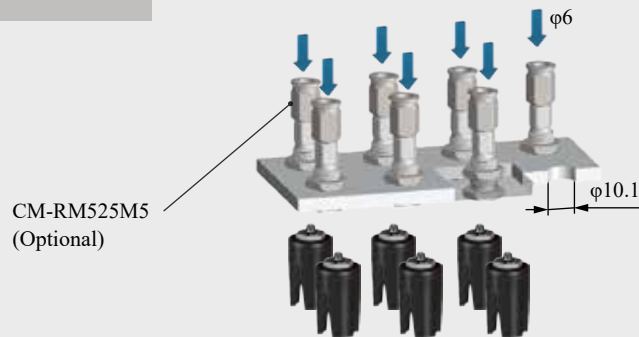


Rigid Connection Installation

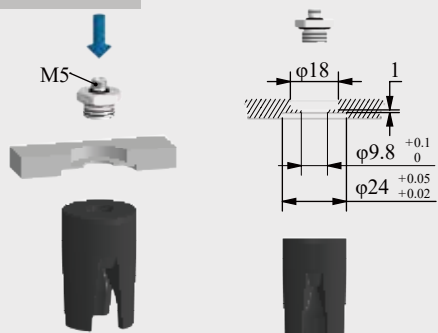


Buffer Installation

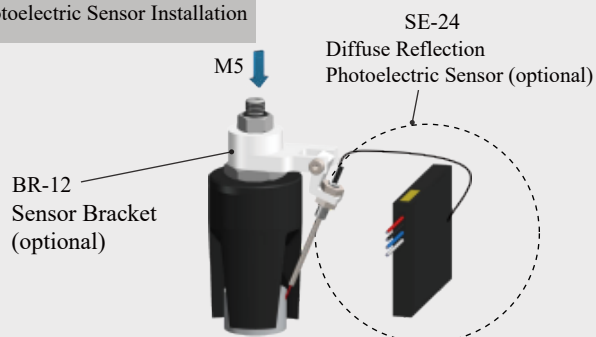
Matrix Installation



Precise Positioning Installation


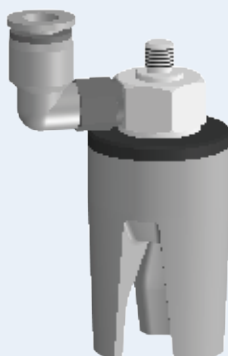


Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|---|---|--|-----|
|  | BMC-3C24[H]/S Straight Fitting Strengthen Materia | BML-3C24[H]/S Side Fitting Strengthen Materia |  | | |
| | BMC-3C24[HAS]/S Straight Fitting Dust-free Strengthen Materia | BML-3C24[HAS]/S Side Fitting Dust-free Strengthen Materia | | | |
| BMC Weight | | 16.7g | BML Weight | | 29g |

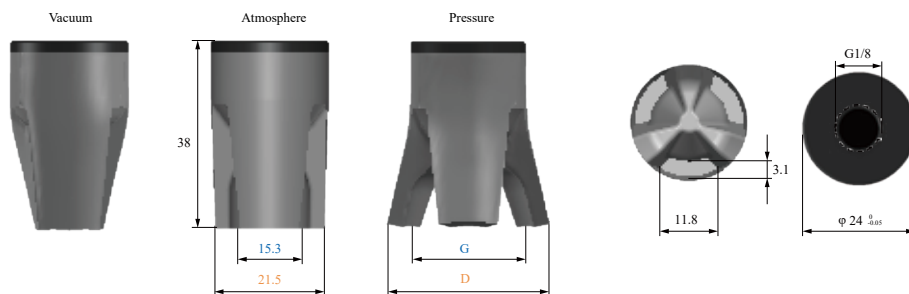
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 6-20mm | Gripping force | 0-1.6N | Theoretical gripping load** | 0-122g | Ideal gripping workpiece size* | 16mm |
| Internal gripping range | 24-30mm | Internal gripping force | 0-4.4N | Theoretical internal gripping load** | 0-329g | Ideal internal gripping workpiece size* | 24mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

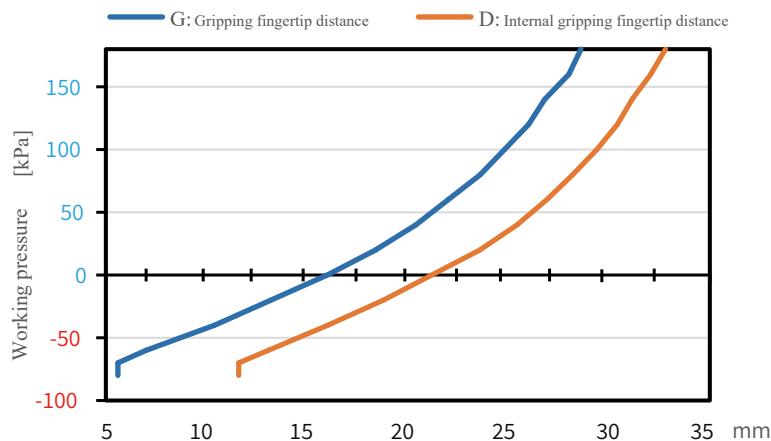
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

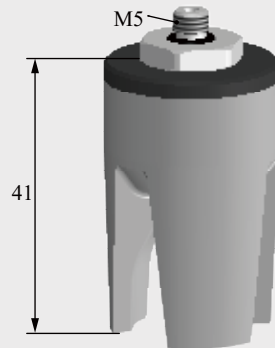


Installation

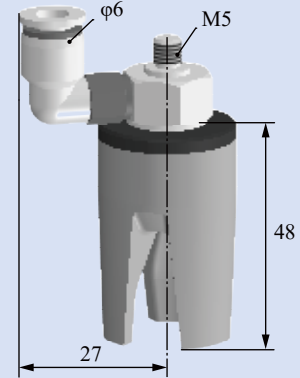
BMC Straight Fitting Installation



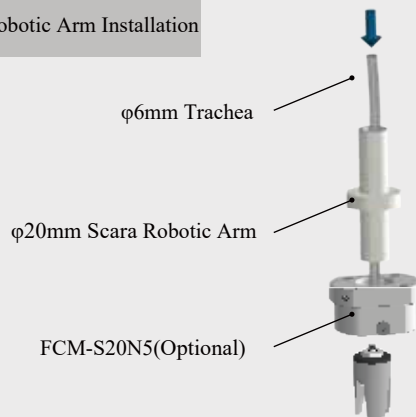
Scan to watch videos



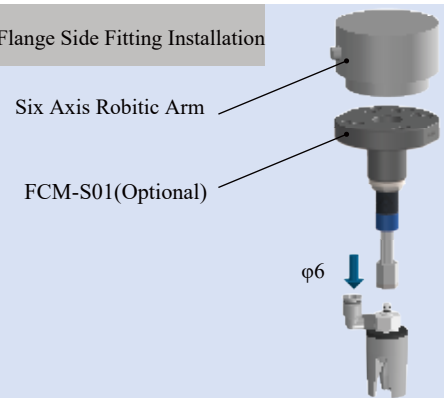
BML Side Fitting Installation



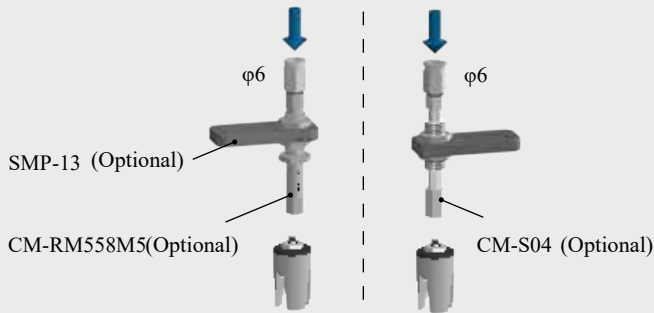
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

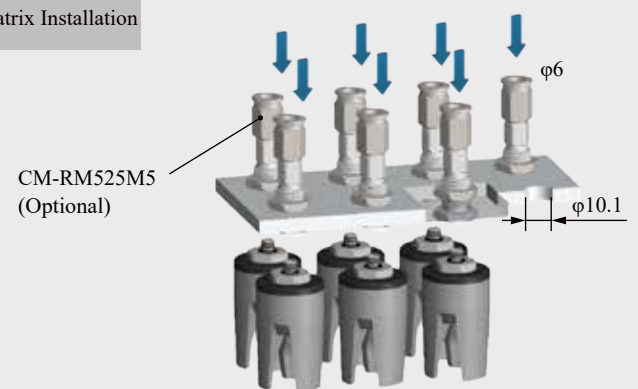


Rigid Connection Installation

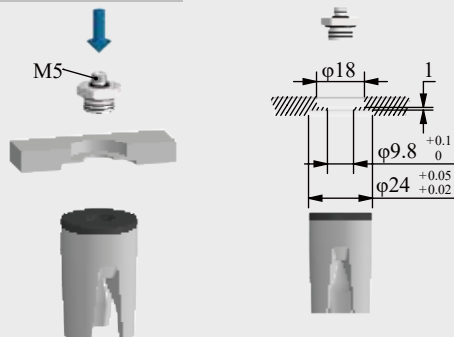


Buffer Installation

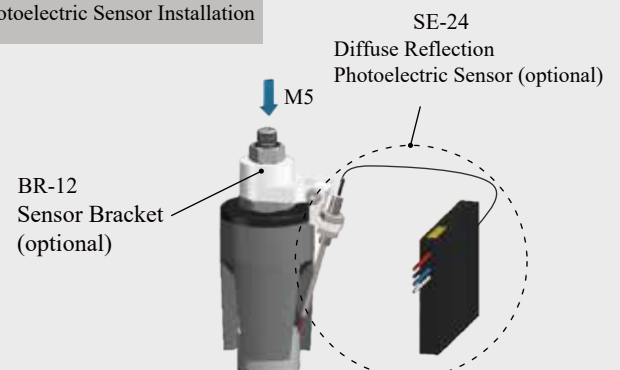
Matrix Installation



Precise Positioning Installation





Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|--|--|--|--|---|
|  | BMC-4B18[P] Straight Fitting Normal Materia | | BML-4B18[P] Side Fitting Normal Materia | |  |
| | BMC-4B18[PAS] Straight Fitting Dust-free Normal Materia | | BML-4B18[PAS] Side Fitting Dust-free Normal Materia | | |
| | BMC Weight 13.8g | | BML Weight 22.2g | | |

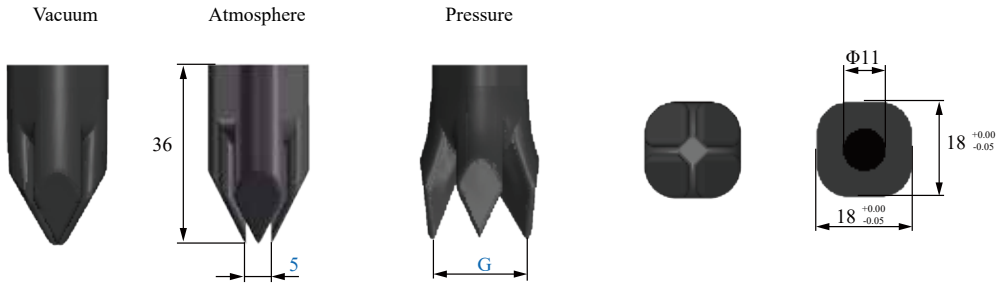
Paremeter

| | | | | | | | |
|-------------------------|-------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 3-8mm | Gripping force | 0-0.3N | Theoretical gripping load** | 0-17g | Ideal gripping workpiece size* | 6mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <90kPa |

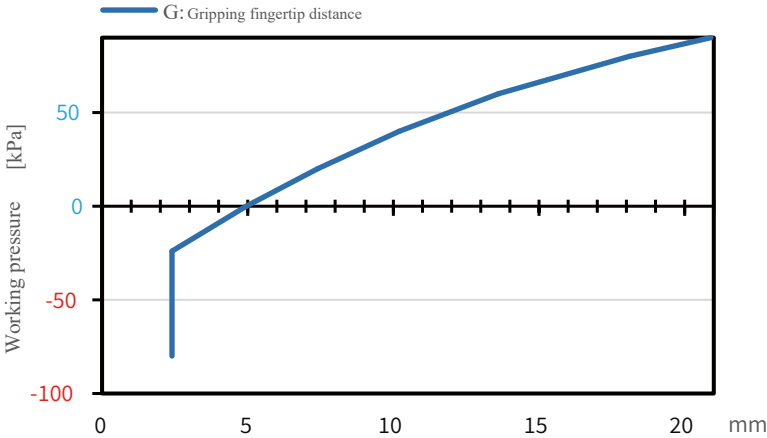
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

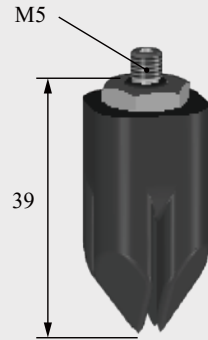


Installation

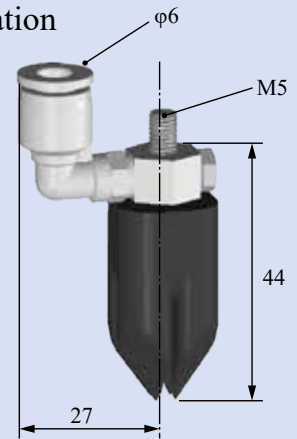
BMC Straight Fitting Installation



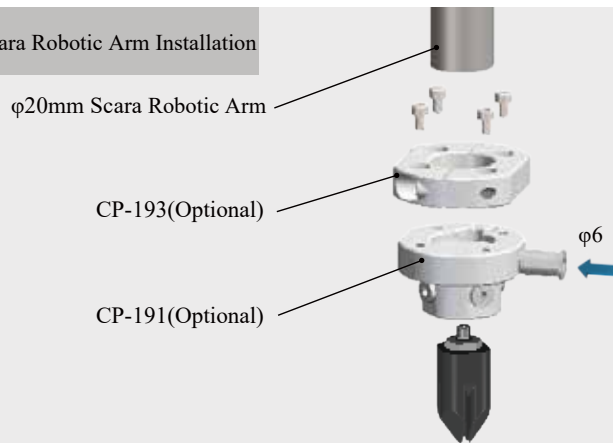
Scan to watch videos



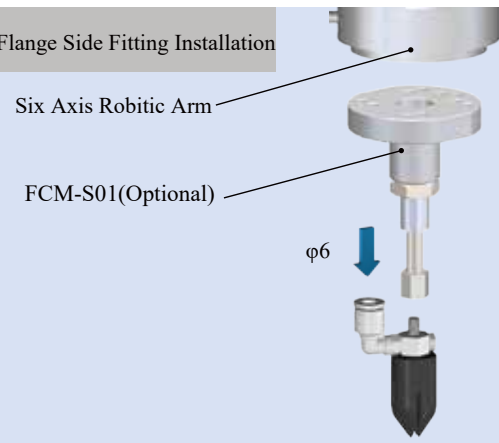
BML Side Fitting Installation



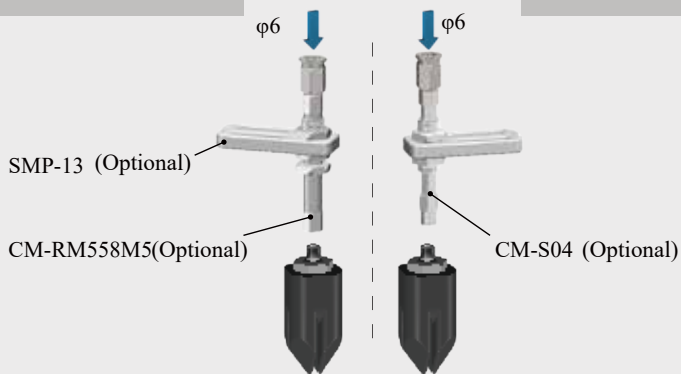
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

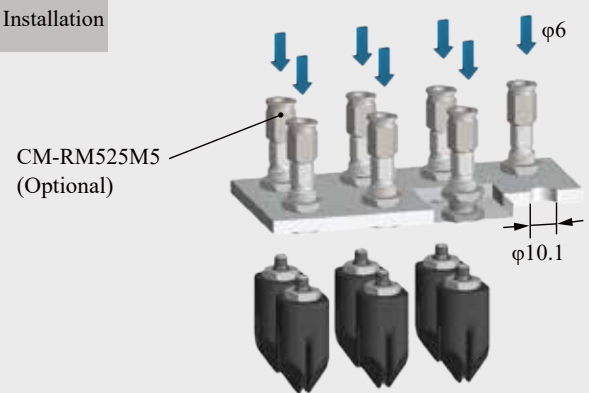


Rigid Connection Installation

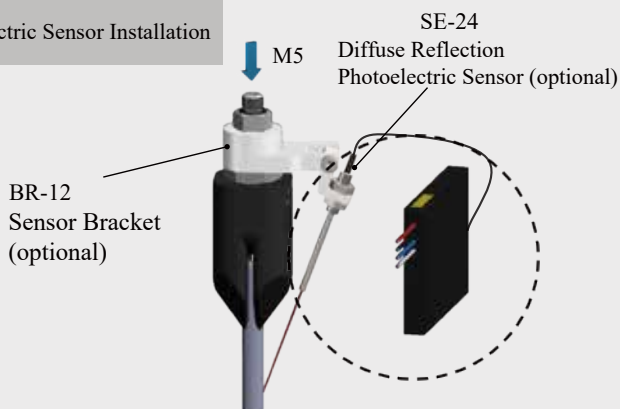


Buffer Installation

Matrix Installation


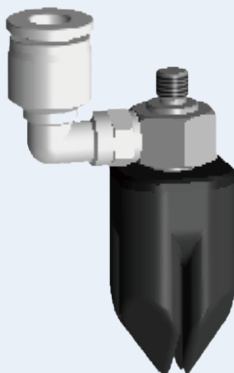


Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-4B18[P]/S Straight Fitting Normal Materia | | BML-4B18[P]/S Side Fitting Normal Materia | |  |
| | BMC-4B18[PAS]/S Straight Fitting Dust-free Normal Materia | | BML-4B18[PAS]/S Side Fitting Dust-free Normal Materia | | |
| | BMC Weight | | 10g | BML Weight | |

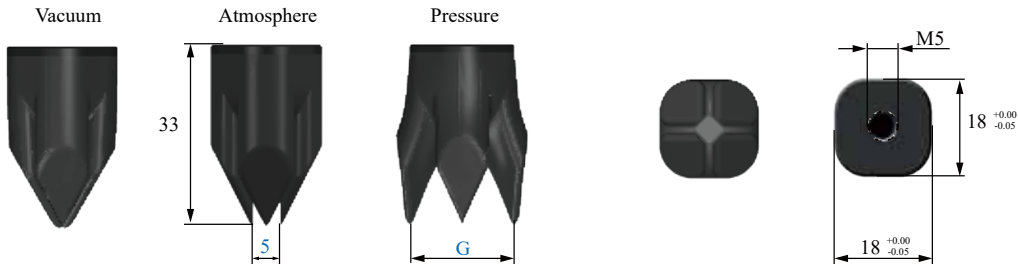
Paremeter

| | | | | | | | |
|-------------------------|-------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 3-8mm | Gripping force | 0-0.3N | Theoretical gripping load** | 0-17g | Ideal gripping workpiece size* | 6mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <90kPa |

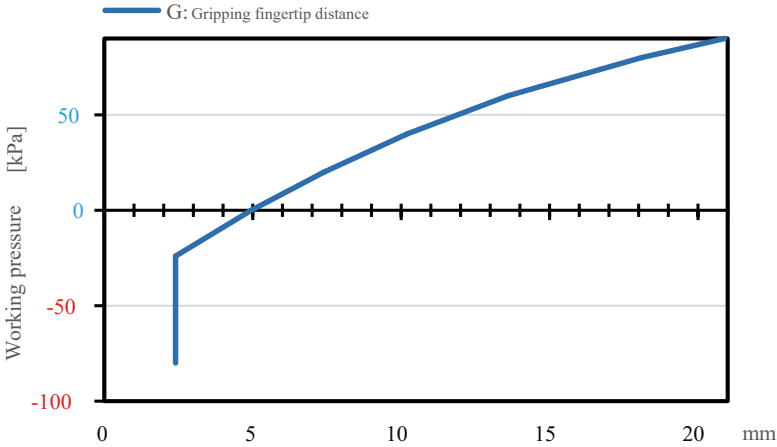
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

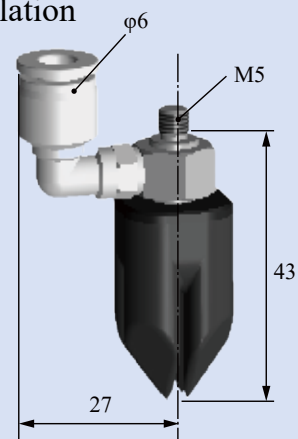
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

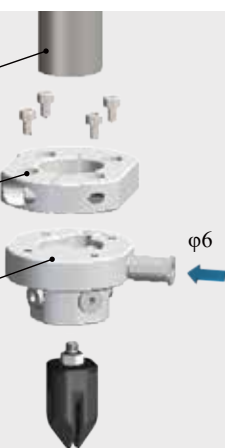


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20(Optional)

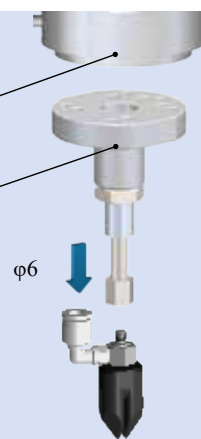
RF-SFB(Optional)



Robotic Arm Flange Side Fitting Installation

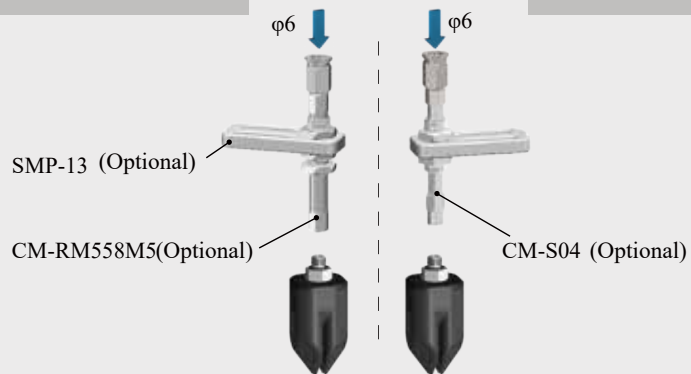
Six Axis Robotic Arm

FCM-S01(Optional)

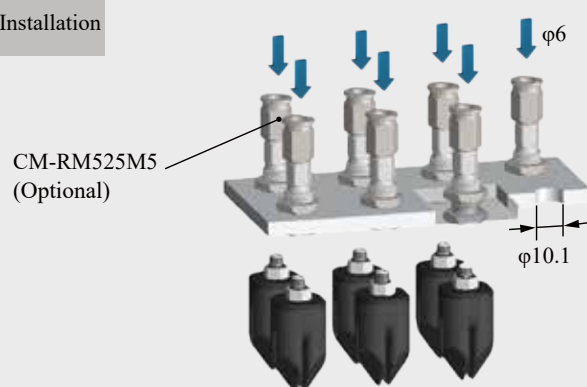


Rigid Connection Installation

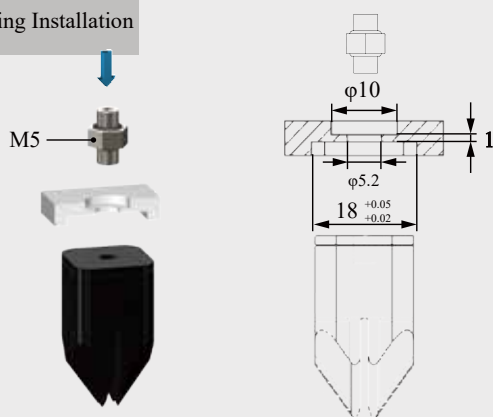
Buffer Installation



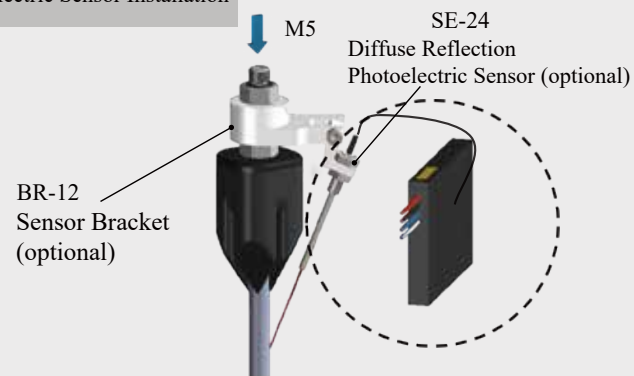
Matrix Installation



Precise Positioning Installation





Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance D can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|-------------------|---|
|  | BMC-4H18[H]/S Straight Fitting Strengthen Materia | | BML-4H18[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-4H18[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-4H18[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 12.2g | BML Weight | |

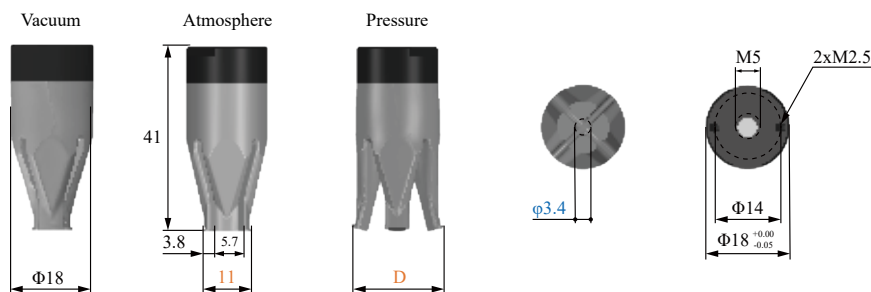
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | — | Gripping force | — | Theoretical gripping load** | — | Ideal gripping workpiece size* | — |
| Internal gripping range | 12-22mm | Internal gripping force | 0-0.6N | Theoretical internal gripping load** | 0-37g | Ideal internal gripping workpiece size* | 14mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <180kPa |

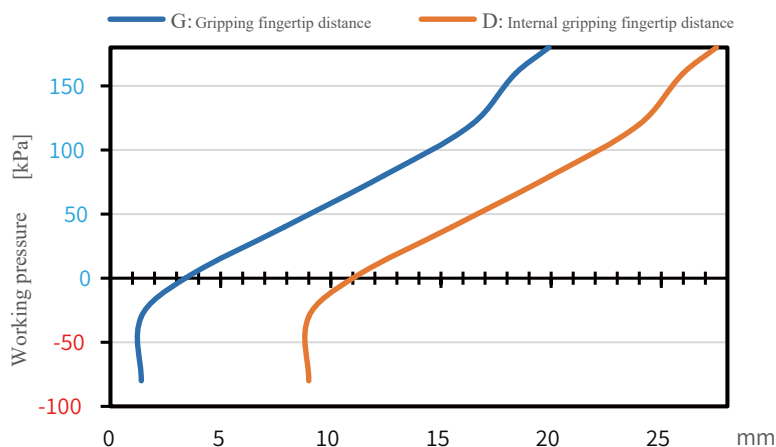
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

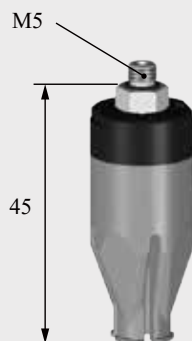


Installation

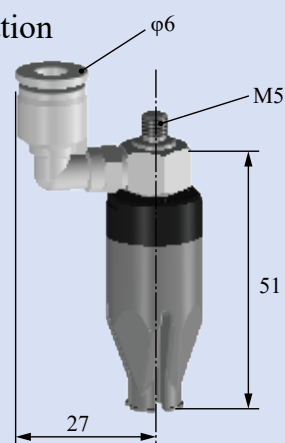
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193(Optional)

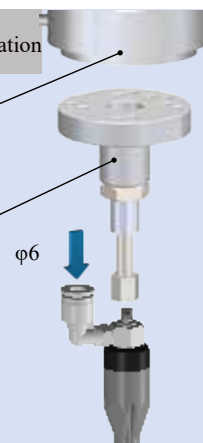
CP-191(Optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)



Rigid Connection Installation

φ6

SMP-13 (Optional)

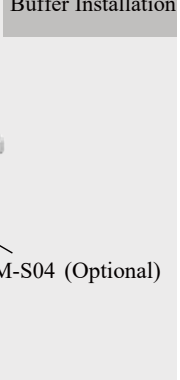
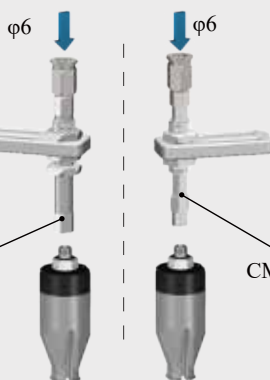
CM-RM558M5(Optional)

φ6

Buffer Installation

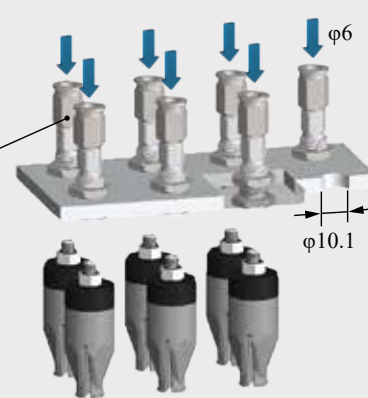
CM-S04 (Optional)

φ6



Matrix Installation

CM-RM525M5 (Optional)



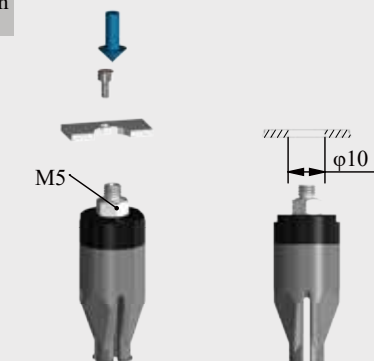
Precise Positioning Installation

2×φ2.7

14

M5

φ10

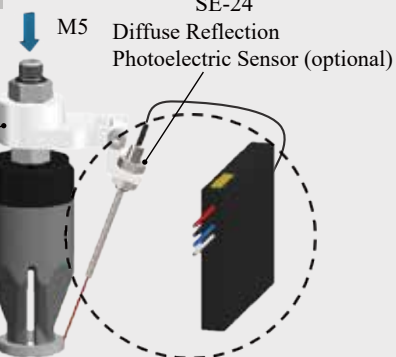


Photoelectric Sensor Installation

BR-12 Sensor Bracket (optional)



SE-24

Diffuse Reflection Photoelectric Sensor (optional)



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorb on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|------------|---|
|  | BMC-4G22[H]/SN Straight Fitting Strengthen Materia | | BML-4G22[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-4G22[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-4G22[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 14.1g | BML Weight | |

Parameter

| | | | | | | | |
|-------------------------|----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 5.5-12mm | Gripping force | 0-0.7N | Theoretical gripping load** | 0-42g | Ideal gripping workpiece size* | 8mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

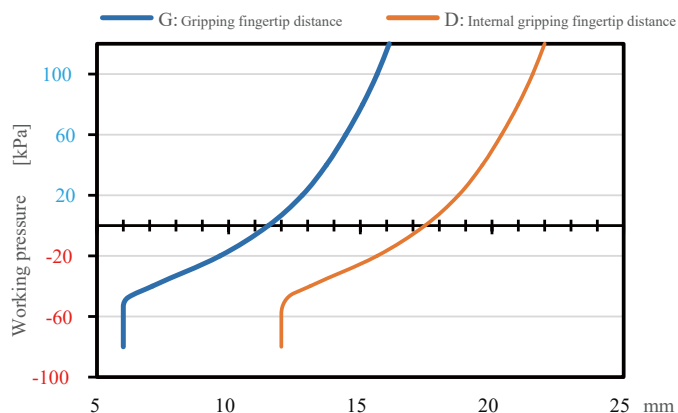
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

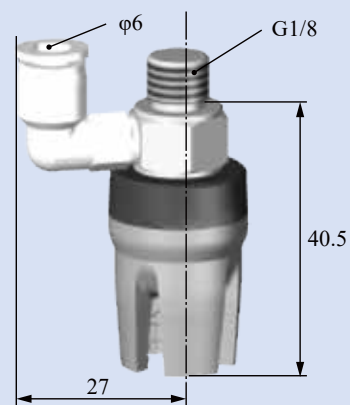
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



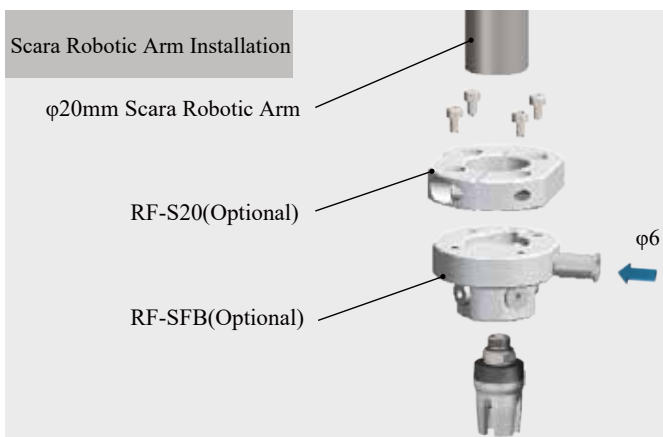
Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20(Optional)

RF-SFB(Optional)

φ6

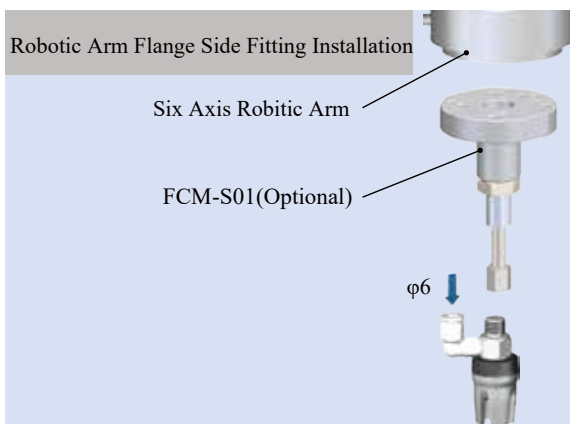


Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01(Optional)

φ6



Rigid Connection Installation

φ6

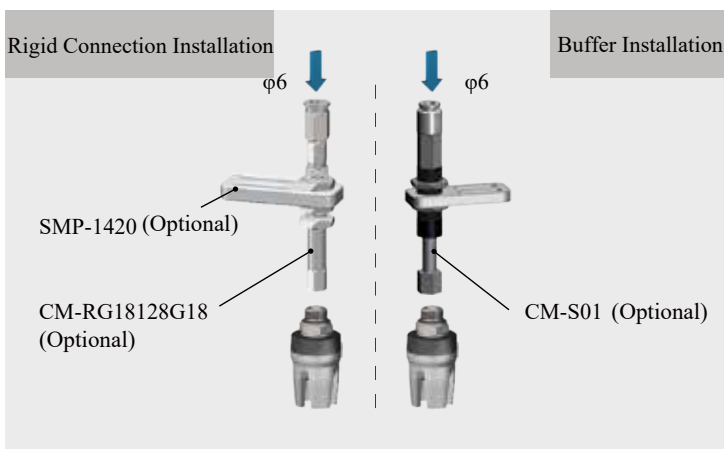
SMP-1420 (Optional)

CM-RG18128G18
(Optional)

Buffer Installation

φ6

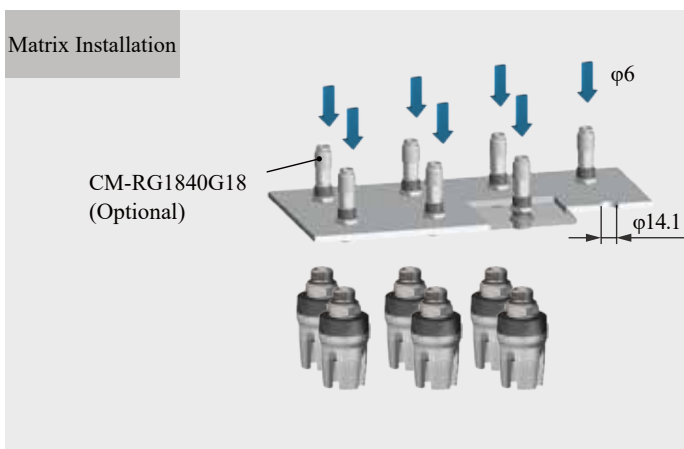
CM-S01 (Optional)



Matrix Installation

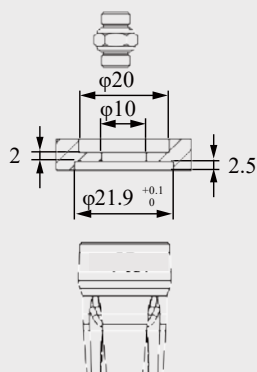
CM-RG1840G18
(Optional)

φ14.1



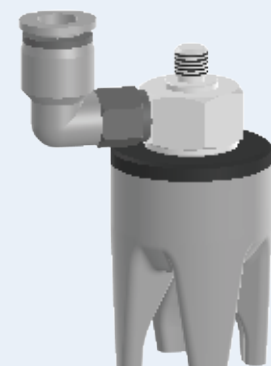
Precise Positioning Installation

G1/8



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|-----|---|--|---|
|  | BMC-4A24[H]/S Straight Fitting Strengthen Materia | | BML-4A24[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-4A24[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-4A24[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 19g | BML Weight | | 33g |

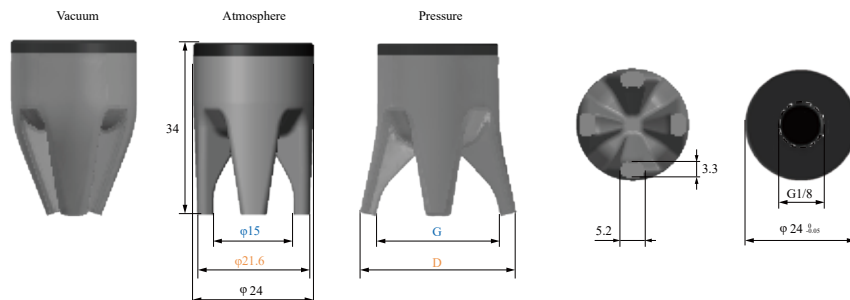
Parameter

| | | | | | | | |
|-------------------------|----------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 5.5-16mm | Gripping force | 0-1.3N | Theoretical gripping load** | 0-75g | Ideal gripping workpiece size* | 15.5mm |
| Internal gripping range | 24-30mm | Internal gripping force | 0-2N | Theoretical internal gripping load** | 0-121g | Ideal internal gripping workpiece size* | 24mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <160kPa |

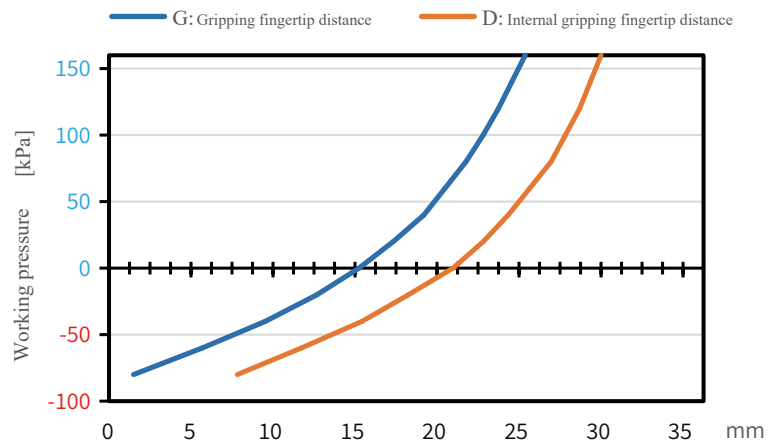
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

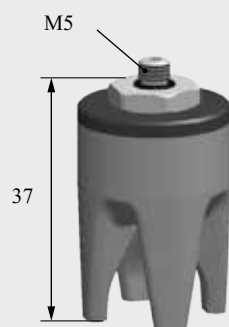


Installation

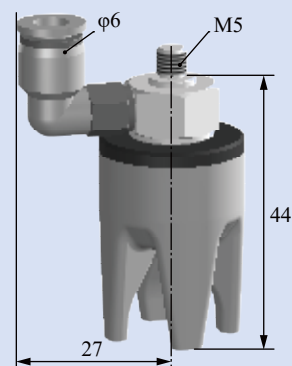
BMC Straight Fitting Installation



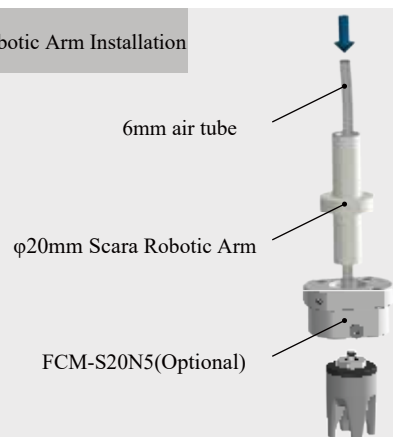
Scan to watch videos



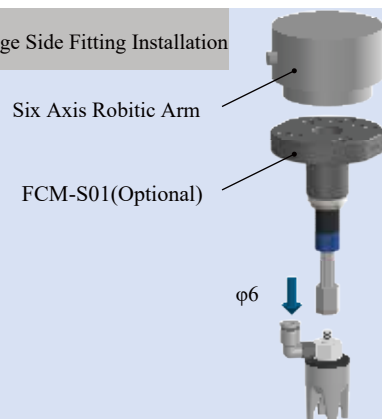
BML Side Fitting Installation



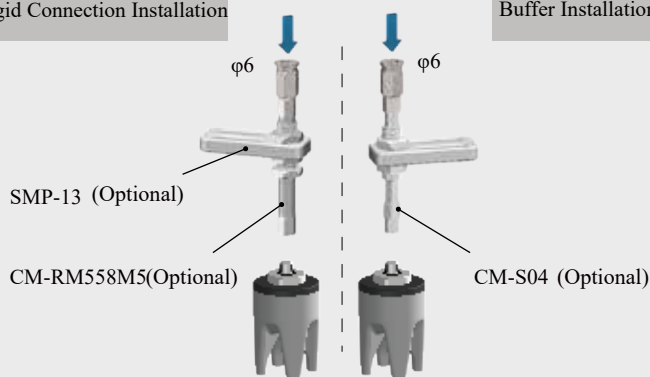
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

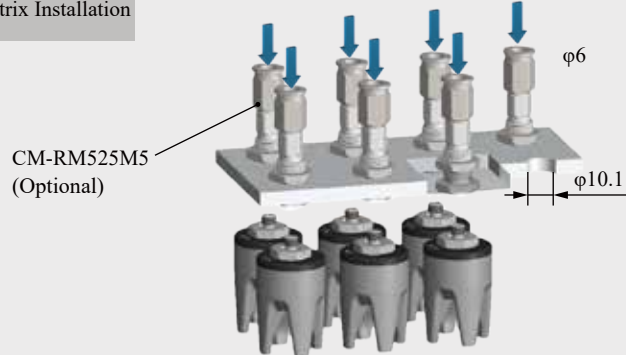


Rigid Connection Installation

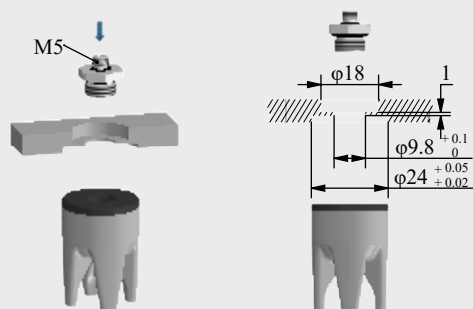


Buffer Installation

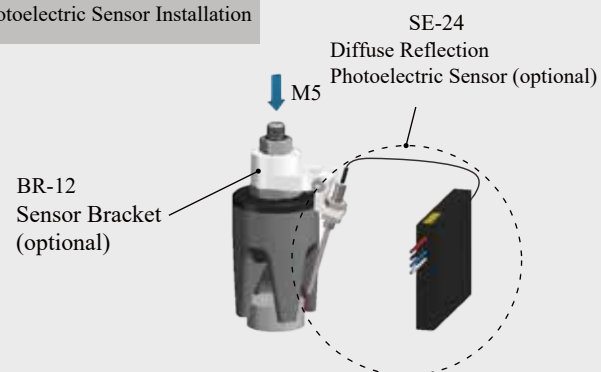
Matrix Installation



Precise Positioning Installation



Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [HW] and Dust-free Strengthen Material [HWAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HWAS] is preferred.
- The soft beak has a white appearance and can provide a high-contrast white background for dark workpieces at the machine vision inspection station.

| | | | | | |
|---|--|--|--|------------|---|
|  | BMC-4A24[HW]/S Straight Fitting Strengthen Materia | | BML-4A24[HW]/S Side Fitting Strengthen Materia | |  |
| | BMC-4A24[HWAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-4A24[HWAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 18.6g | BML Weight | |

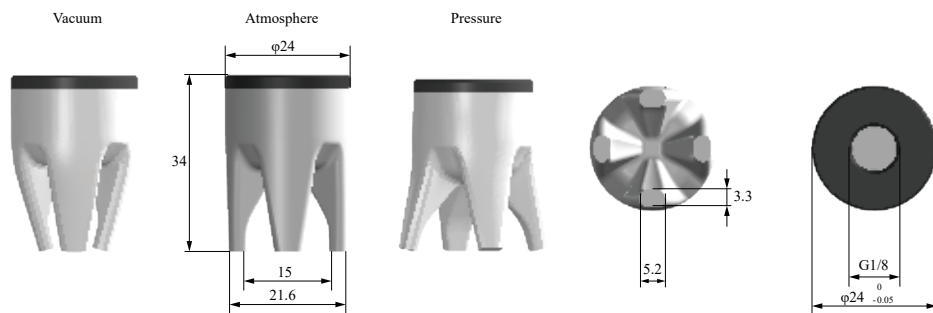
Parameter

| | | | | | | | |
|-------------------------|----------|-------------------------|------------------|--------------------------------------|--------|---|---------|
| Gripping range | 5.5-16mm | Gripping force | 0-1.3N | Theoretical gripping load** | 0-75g | Ideal gripping workpiece size* | 15.5mm |
| Internal gripping range | 24-30mm | Internal gripping force | 0-2N | Theoretical internal gripping load** | 0-121g | Ideal internal gripping workpiece size* | 24mm |
| Joint size | M5 | Life time*** | 150million times | Contact Temperature | <220°C | Safe pressure*** | <160kPa |

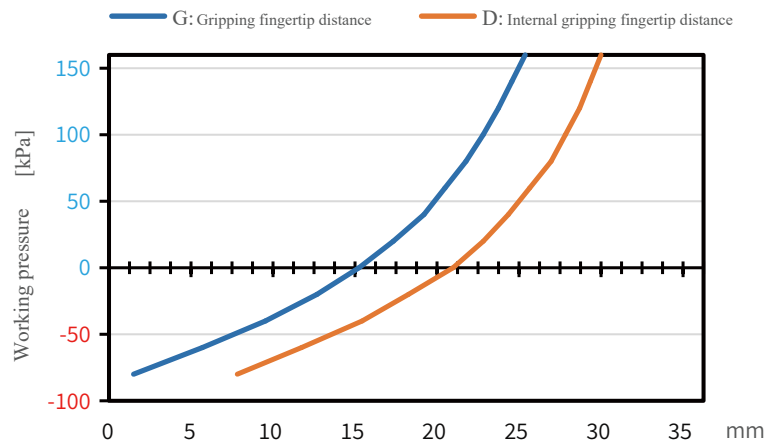
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

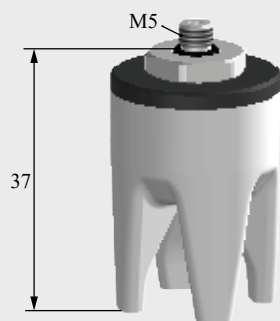


Pressure-Fingertip Distance deformation curve

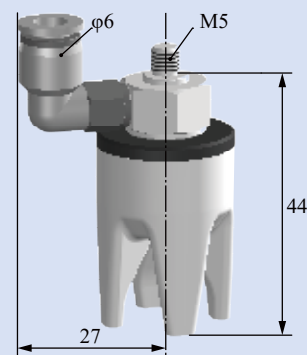


Installation

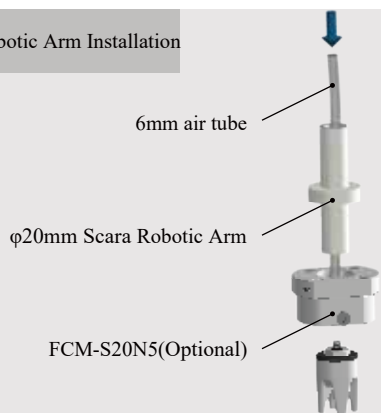
BMC Straight Fitting Installation



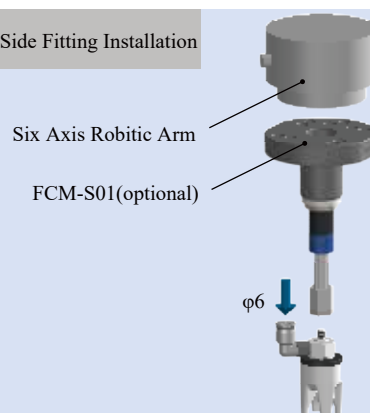
BML Side Fitting Installation



Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation



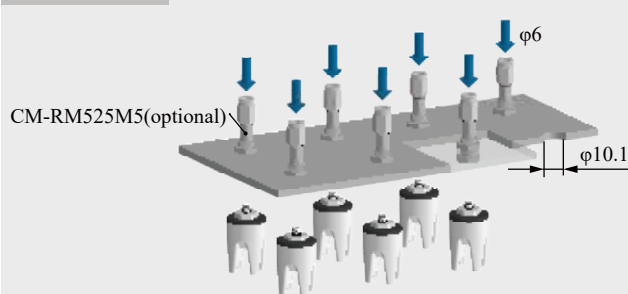
Rigid Connection Installation



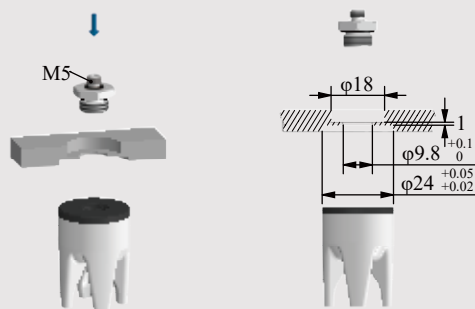
Buffer Installation



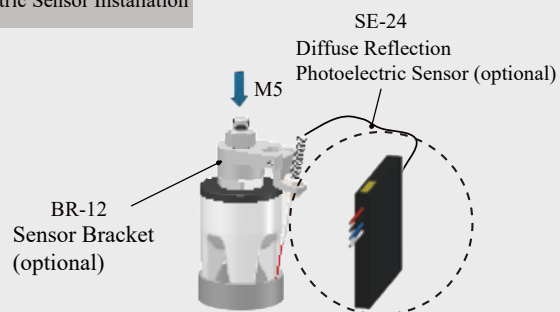
Matrix Installation



Precise Positioning Installation


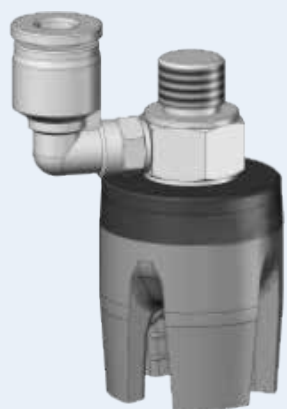


Photoelectric Sensor Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-------|--|--|---|
|  | BMC-4G27[H]/SN Straight Fitting Strengthen Materia | | BML-4G27[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-4G27[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-4G27[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 17.5g | BML Weight | | 32g |

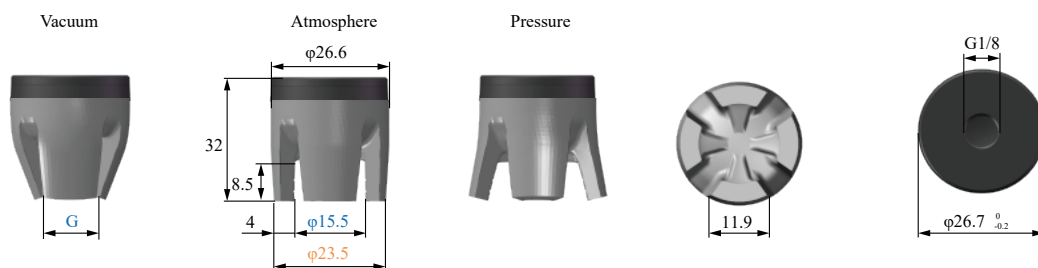
Parameter

| | | | | | | | |
|-------------------------|--------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 8-22mm | Gripping force | 0-2.6N | Theoretical gripping load** | 0-157g | Ideal gripping workpiece size* | 14mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

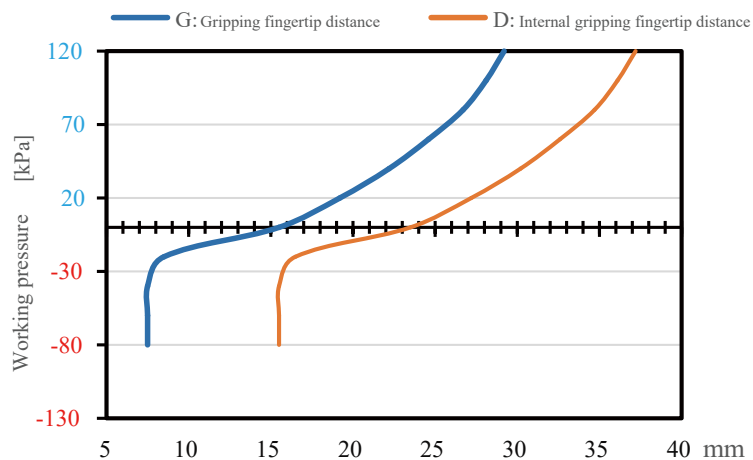
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

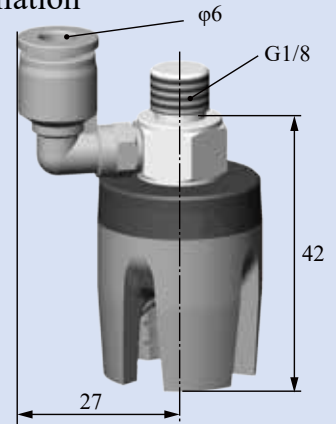
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

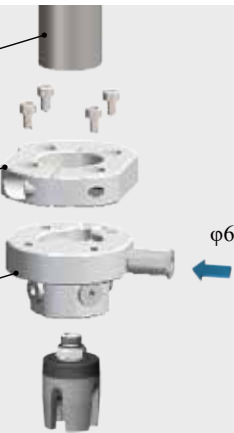


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

RF-SFB (optional)



Robotic Arm Flange Side Fitting Installation

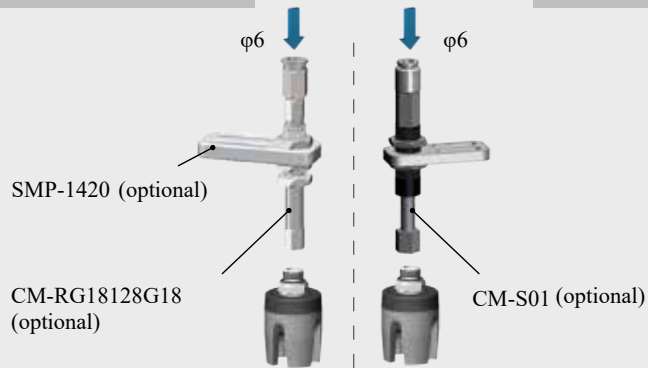
Six Axis Robotic Arm

FCM-S01 (optional)

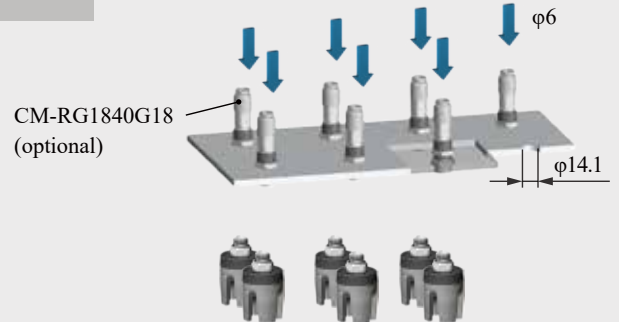


Rigid Connection Installation

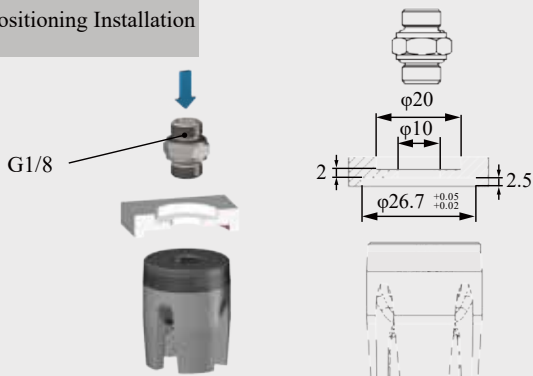
Buffer Installation



Matrix Installation





Precise Positioning Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|--|--|------------|---|-------|
|  | BMC-4A30[P]/M Straight Fitting Normal Material | BML-4A30[P]/M Side Fitting Normal Material | |  | |
| | BMC-4A30[PAS]/M Straight Fitting Dust-free Normal Material | BML-4A30[PAS]/M Side Fitting Dust-free Normal Material | | | |
| BMC Weight | | 43.4g | BML Weight | | 60.6g |

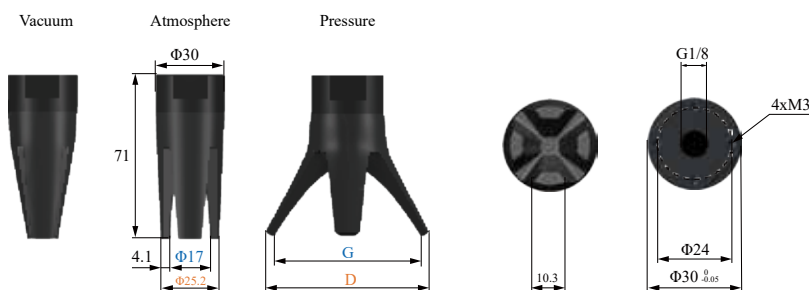
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 7-15mm | Gripping force | 0-0.6N | Theoretical gripping load** | 0-34g | Ideal gripping workpiece size* | 11mm |
| Internal gripping range | 24-50mm | Internal gripping force | 0-6.1N | Theoretical internal gripping load** | 0-364g | Ideal internal gripping workpiece size* | 29mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

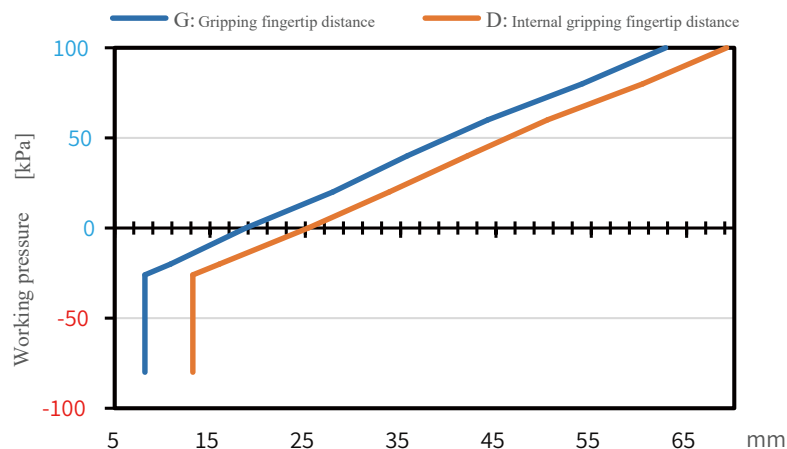
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

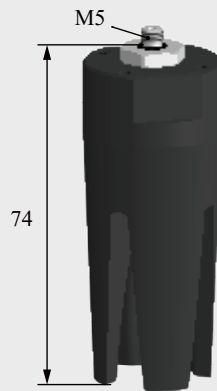


Installation

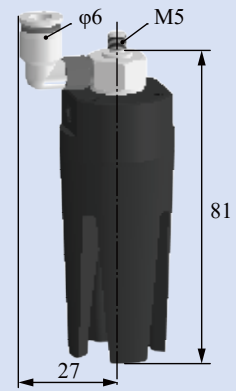
BMC Straight Fitting Installation



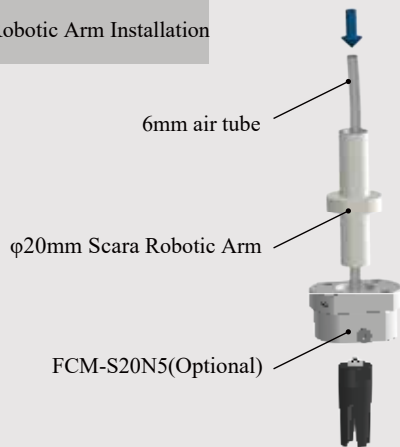
Scan to watch videos



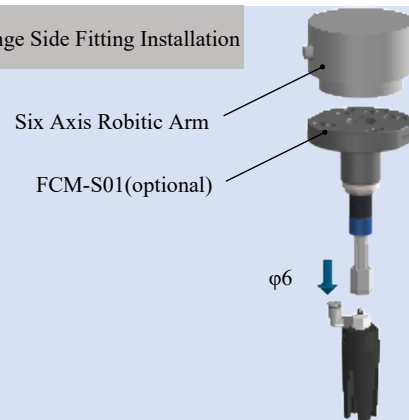
BML Side Fitting Installation



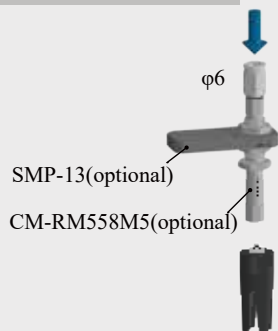
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation



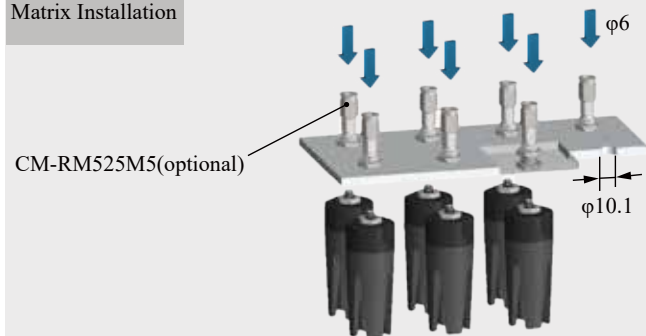
Rigid Connection Installation



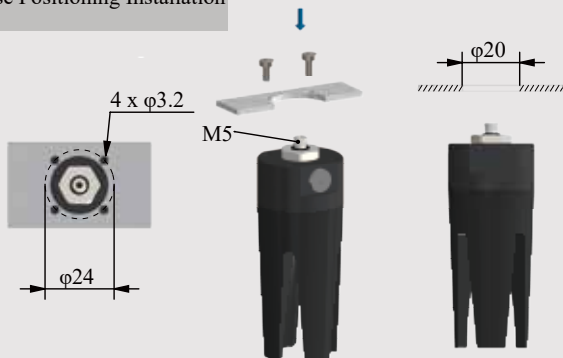
Buffer Installation



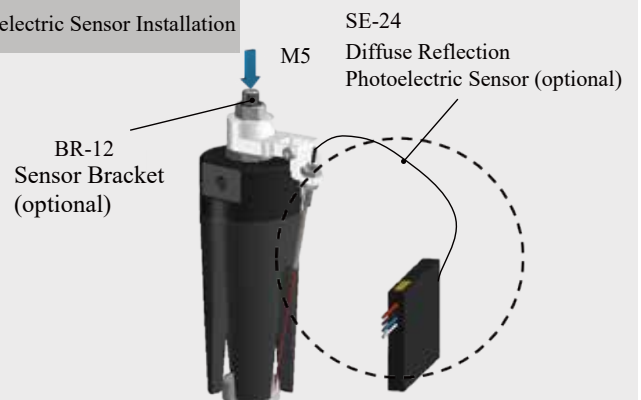
Matrix Installation



Precise Positioning Installation


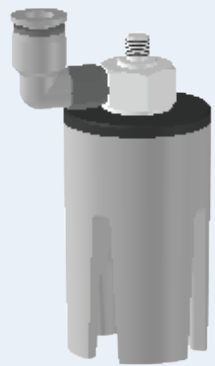


Photoelectric Sensor Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|---|---|--|-------|
|  | BMC-4B30[H]/S Straight Fitting Strengthen Materia | BML-4B30[H]/S Side Fitting Strengthen Materia |  | | |
| | BMC-4B30[HAS]/S Straight Fitting Dust-free Strengthen Materia | BML-4B30[HAS]/S Side Fitting Dust-free Strengthen Materia | | | |
| BMC Weight | | 28g | BML Weight | | 40.4g |

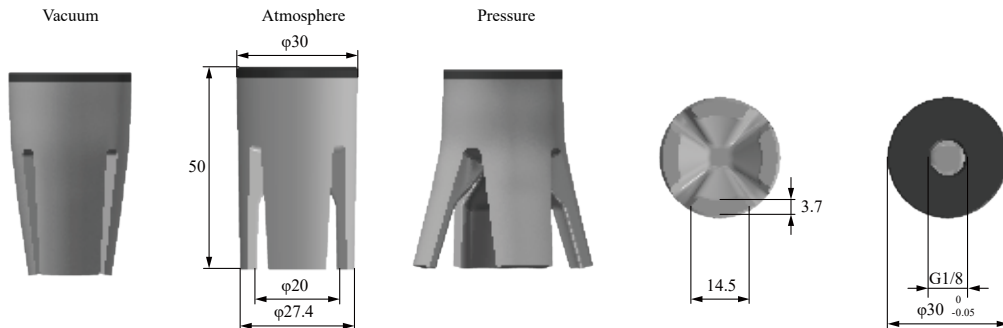
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 13-23mm | Gripping force | 0-1.8N | Theoretical gripping load** | 0-108g | Ideal gripping workpiece size* | 21mm |
| Internal gripping range | 26-45mm | Internal gripping force | 0-8.2N | Theoretical internal gripping load** | 0-490g | Ideal internal gripping workpiece size* | 28mm |
| Joint size | M5 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <140kPa |

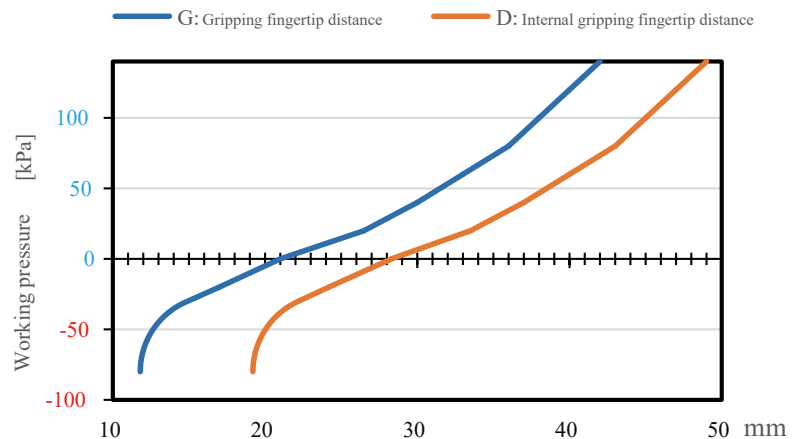
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

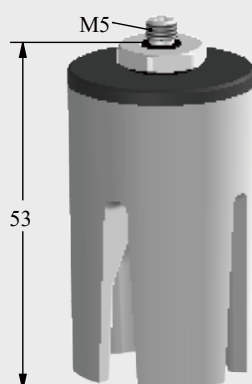


Installation

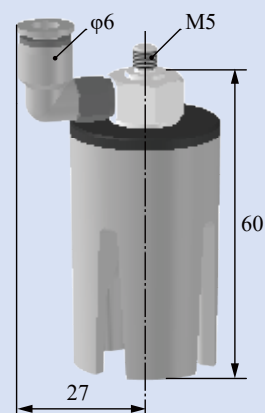
BMC Straight Fitting Installation



Scan to watch videos



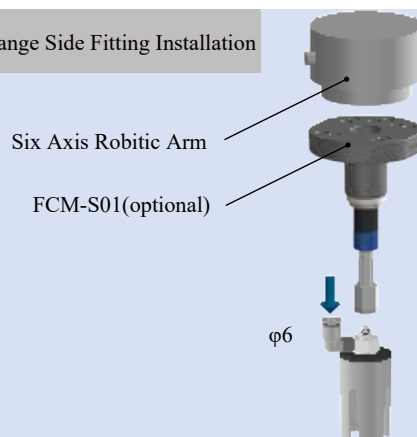
BML Side Fitting Installation



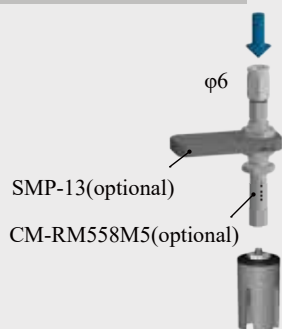
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation



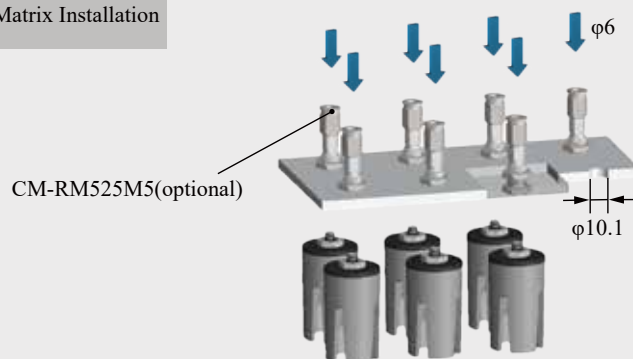
Rigid Connection Installation



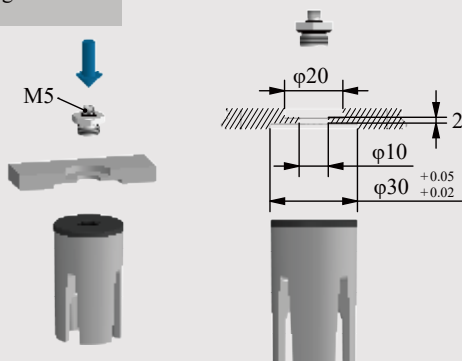
Buffer Installation



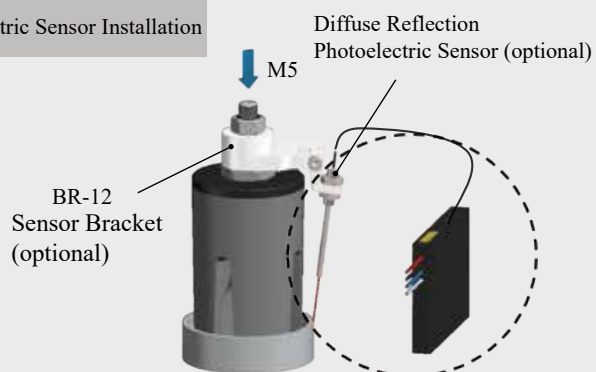
Matrix Installation



Precise Positioning Installation




Photoelectric Sensor Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorb on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-4B32[P]/S Straight Fitting Strengthen Materia | | BML-4B32[P]/S Side Fitting Strengthen Materia | |  |
| | BMC-4B32[PAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-4B32[PAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 37.9g | BML Weight | |

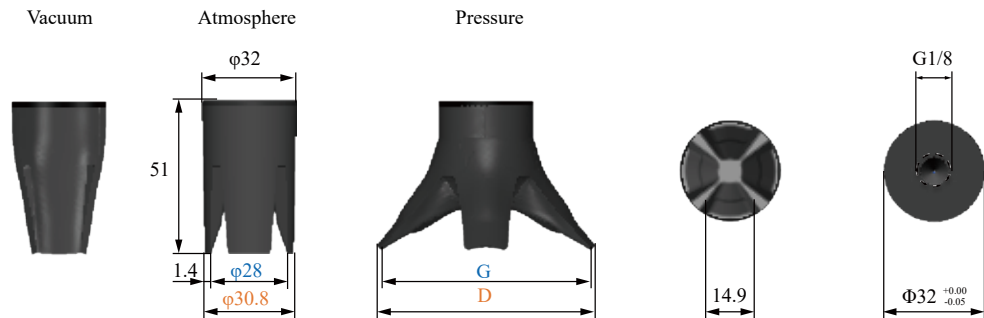
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 20-30mm | Gripping force | 0-1.6N | Theoretical gripping load** | 0-94g | Ideal gripping workpiece size* | 26mm |
| Internal gripping range | 28-50mm | Internal gripping force | 0-8.1N | Theoretical internal gripping load** | 0-485g | Ideal internal gripping workpiece size* | 29mm |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <70kPa |

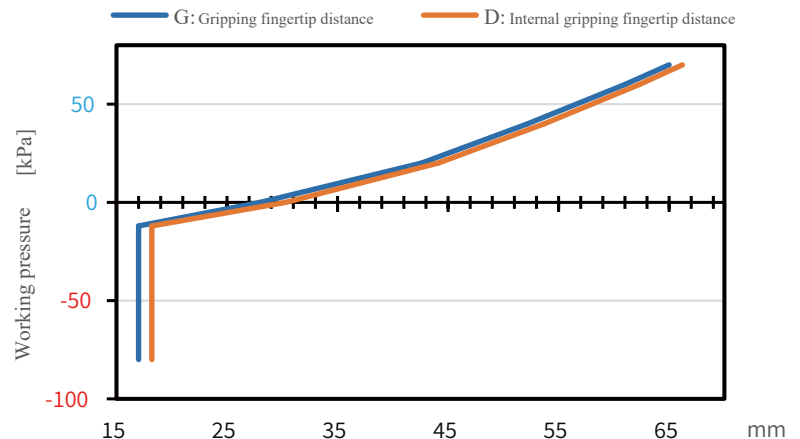
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

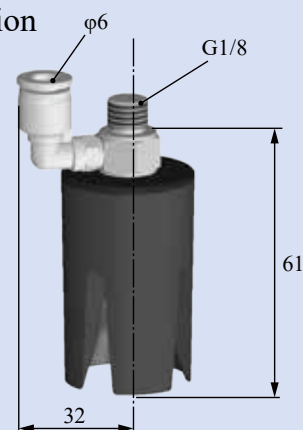


Installation

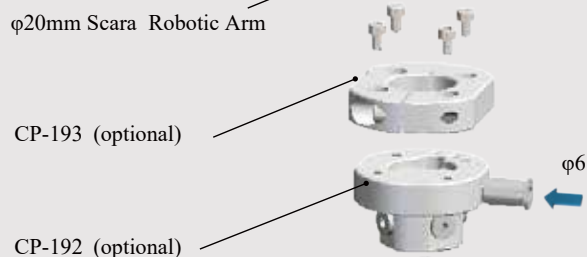
BMC Straight Fitting Installation



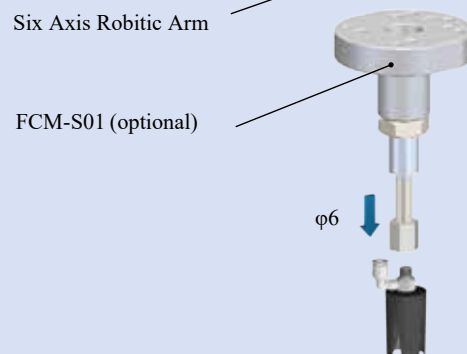
BML Side Fitting Installation



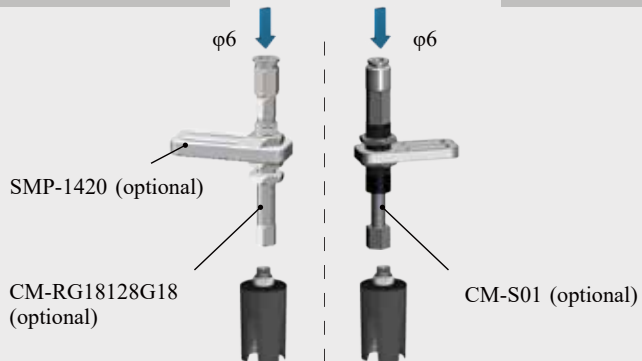
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

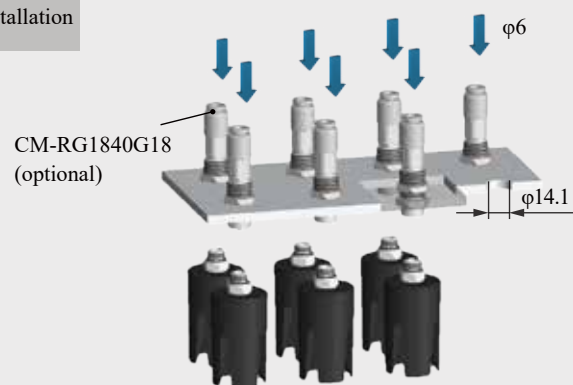


Rigid Connection Installation

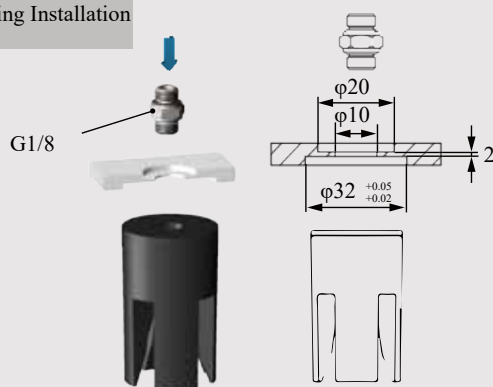


Buffer Installation

Matrix Installation





Precise Positioning Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|---|---|--|-------|
|  | BMC-4B32[H]/S Straight Fitting Strengthen Materia | BML-4B32[H]/S Side Fitting Strengthen Materia |  | | |
| | BMC-4B32[HAS]/S Straight Fitting Dust-free Strengthen Materia | BML-4B32[HAS]/S Side Fitting Dust-free Strengthen Materia | | | |
| BMC Weight | | 37.9g | BML Weight | | 52.4g |

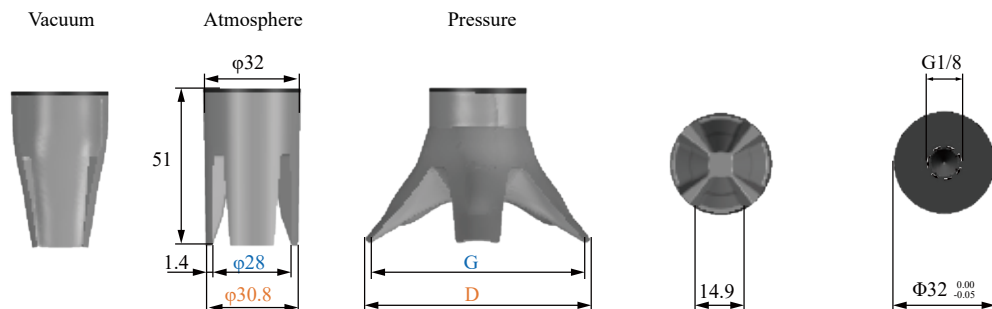
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 20-30mm | Gripping force | 0-3.4N | Theoretical gripping load** | 0-201g | Ideal gripping workpiece size* | 26mm |
| Internal gripping range | 26-45mm | Internal gripping force | 0-11.2N | Theoretical internal gripping load** | 0-673g | Ideal internal gripping workpiece size* | 29mm |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

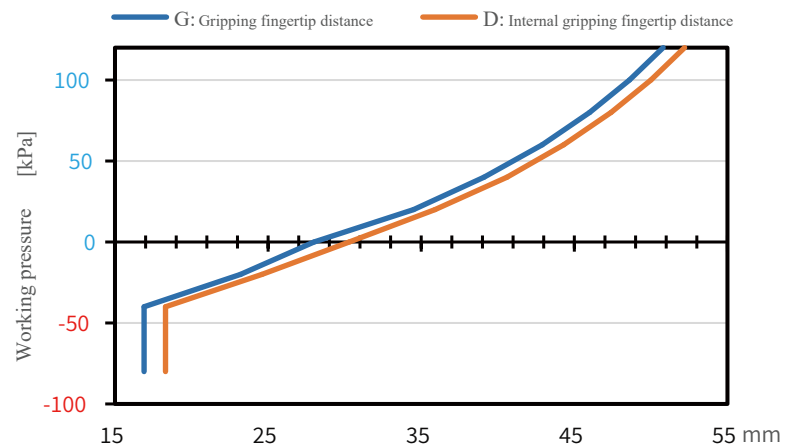
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

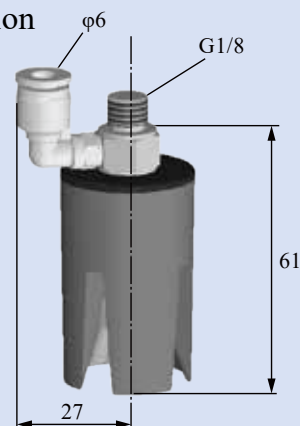
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

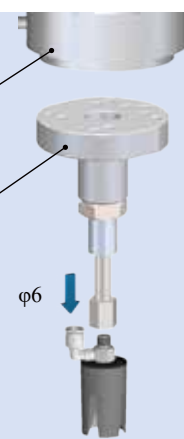
CP-192 (optional)



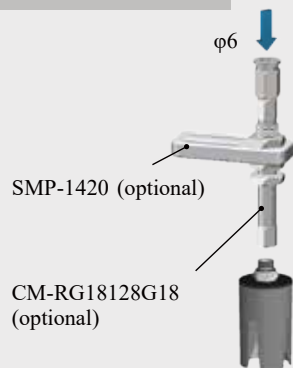
Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

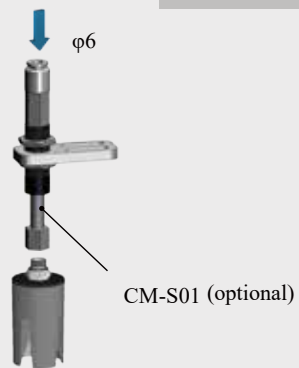
FCM-S01 (optional)



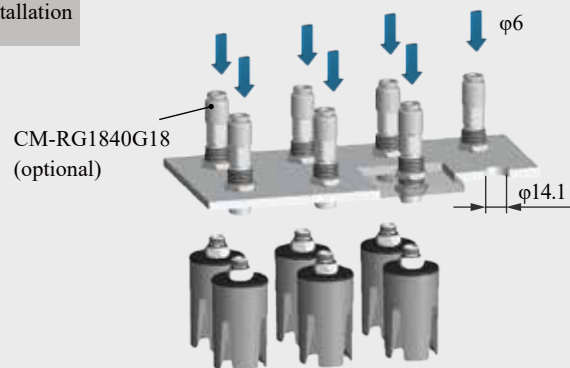
Rigid Connection Installation



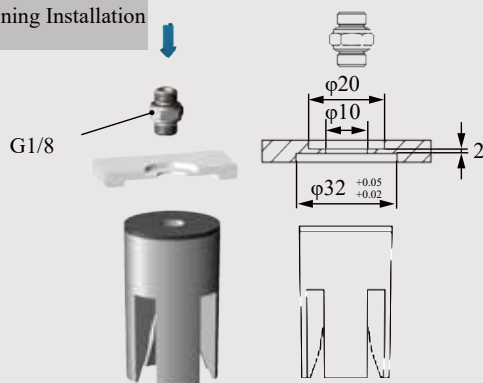
Buffer Installation



Matrix Installation





Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|-------|--|--|---|
|  | BMC-4G34[H]/SN Straight Fitting Strengthen Materia | | BML-4G34[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-4G34[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-4G34[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| BMC Weight | | 25.5g | BML Weight | | 40g |

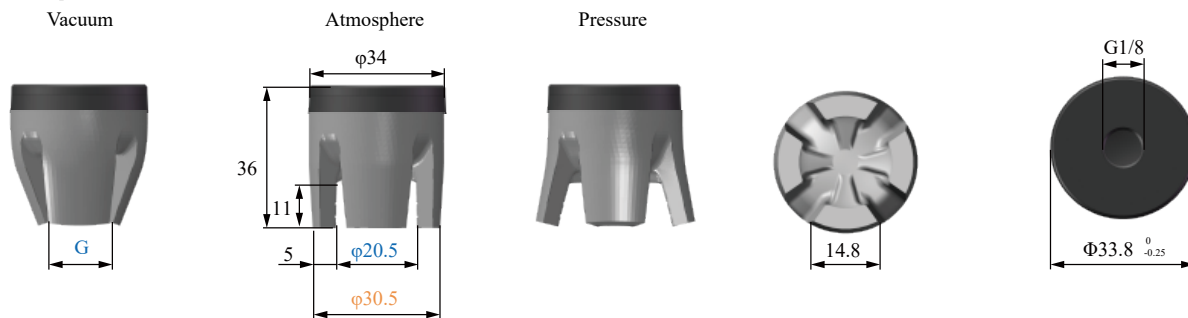
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 12-24mm | Gripping force | 0-3.2N | Theoretical gripping load** | 0-191g | Ideal gripping workpiece size* | 18mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

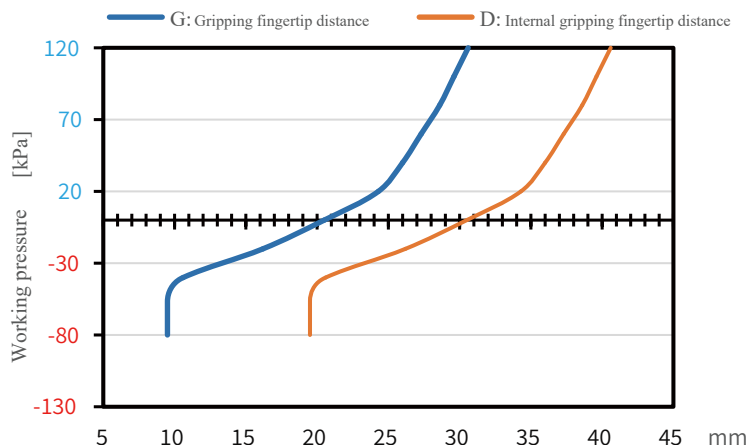
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

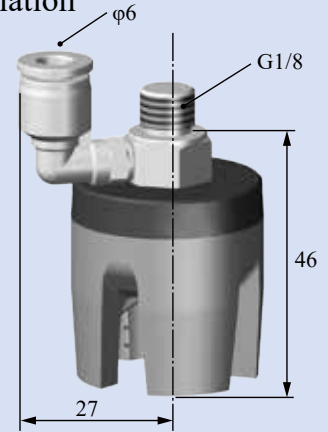
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

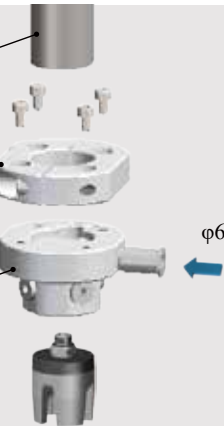


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

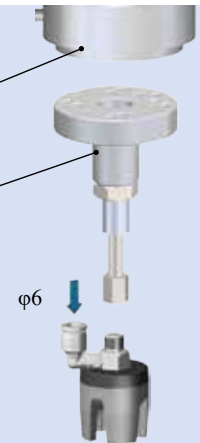
RF-SFB (optional)



Robotic Arm Flange Side Fitting Installation

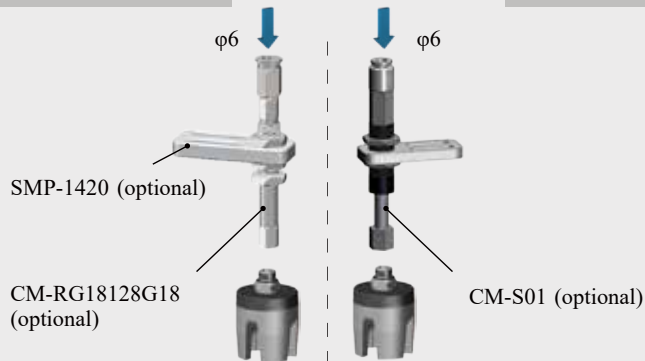
Six Axis Robotic Arm

FCM-S01 (optional)

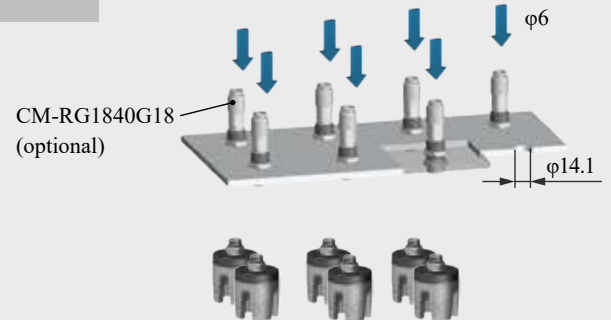


Rigid Connection Installation

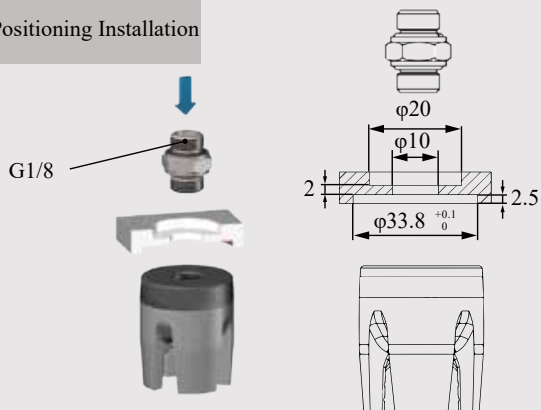
Buffer Installation



Matrix Installation





Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Anti-static material meets the national standard GB/T11210-2014, point-to-point resistance 0.1-1000MΩ requirements. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, anti-static dust-free traceless material [LHAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-4G34[LH]/SN Straight Fitting Anti-static Strengthen Materia | | BML-4G34[LH]/SN Side Fitting Anti-static Strengthen Materia | |  |
| | BMC-4G34[LH]/SN Straight Fitting Anti-static Dust-free Strengthen Materia | | BML-4G34[LH]/SN Side Fitting Anti-static Dust-free Strengthen Materia | | |
| | BMC Weight | | 25.5g | BML Weight | |

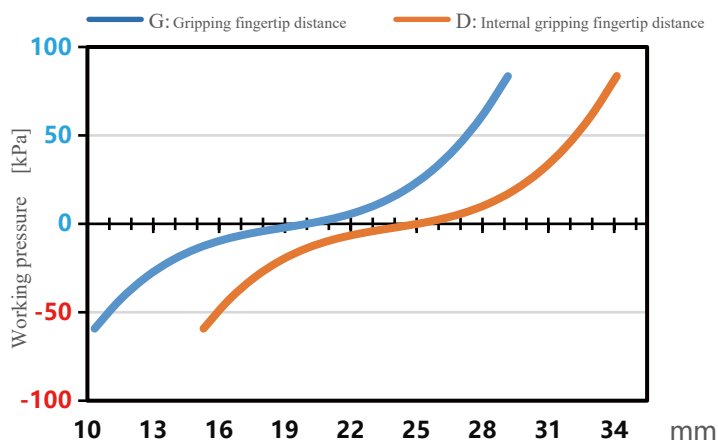
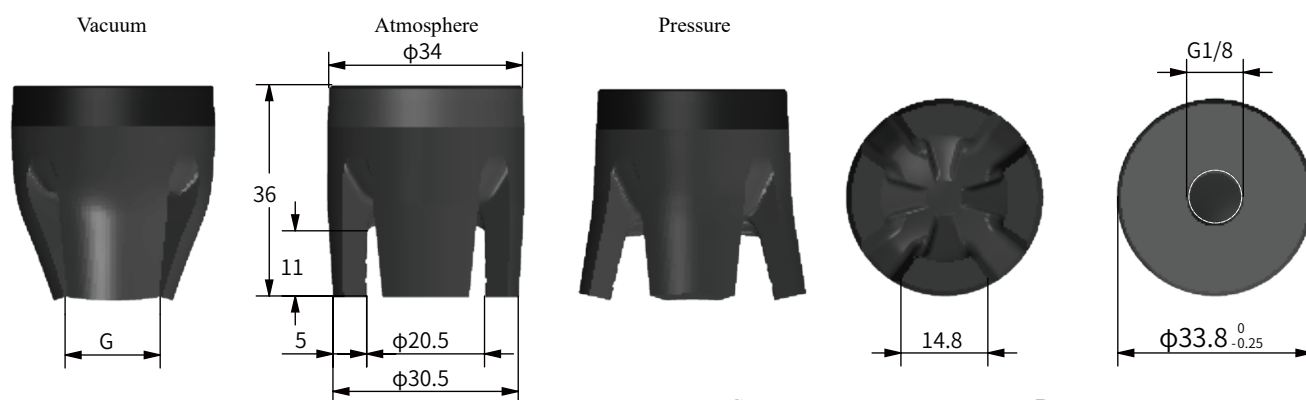
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 12-24mm | Gripping force | 0-3.2N | Theoretical gripping load** | 0-191g | Ideal gripping workpiece size* | 18mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220℃ | Safe pressure*** | <80kPa |

*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

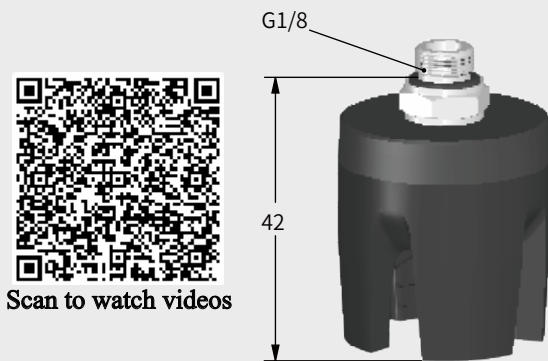
**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

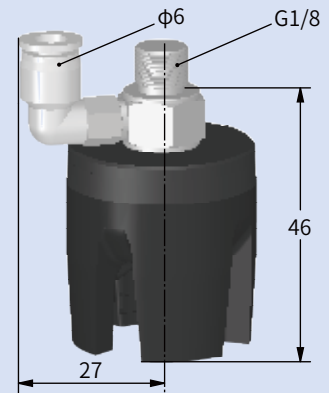


Installation

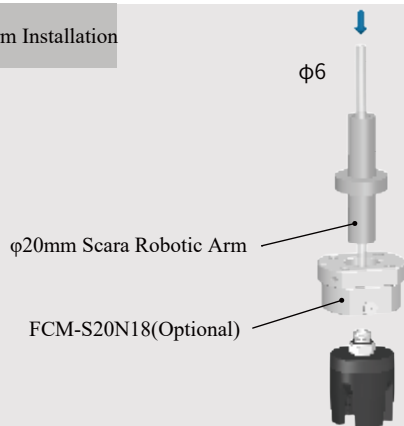
BMC Straight Fitting Installation



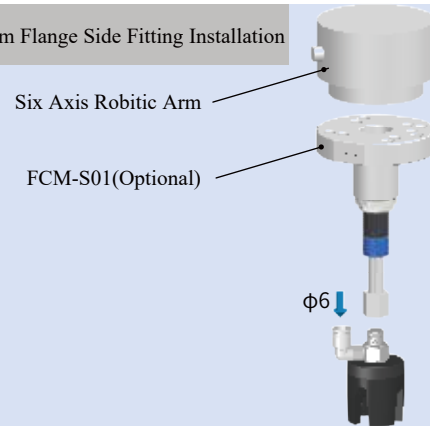
BML Side Fitting Installation



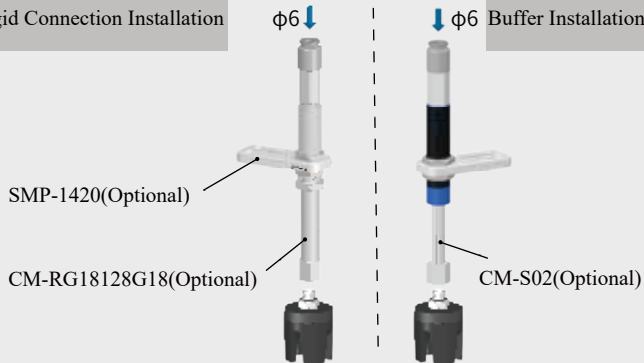
Scara Robotic Arm Installation



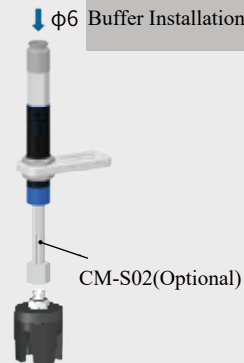
Robotic Arm Flange Side Fitting Installation



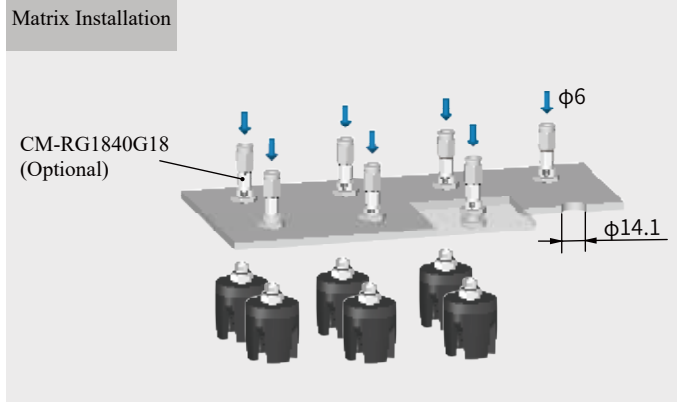
Rigid Connection Installation



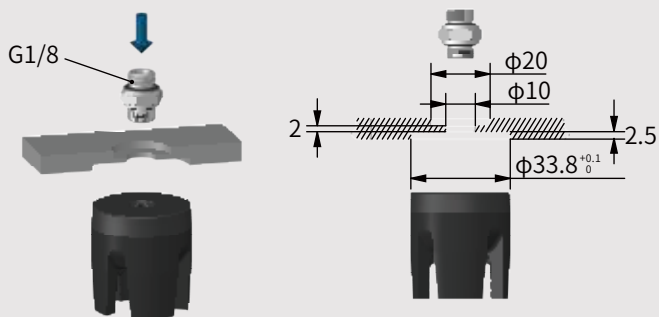
Buffer Installation



Matrix Installation



Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|--|--|--|------------|---|
|  | BMC-4G39[H]/SN Straight Fitting Strengthen Materia | | BML-4G39[H]/SN Side Fitting Strengthen Materia | |  |
| | BMC-4G39[HAS]/SN Straight Fitting Dust-free Strengthen Materia | | BML-4G39[HAS]/SN Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 29.2g | BML Weight | |

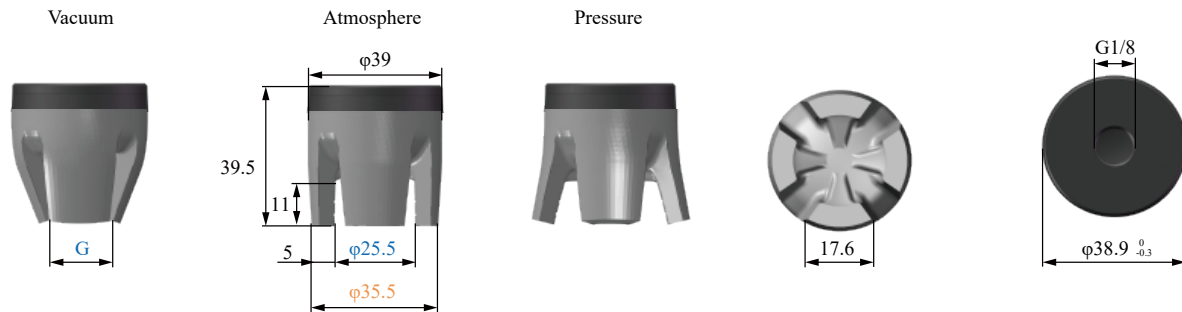
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 15-27mm | Gripping force | 0-6N | Theoretical gripping load** | 0-361g | Ideal gripping workpiece size* | 22mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

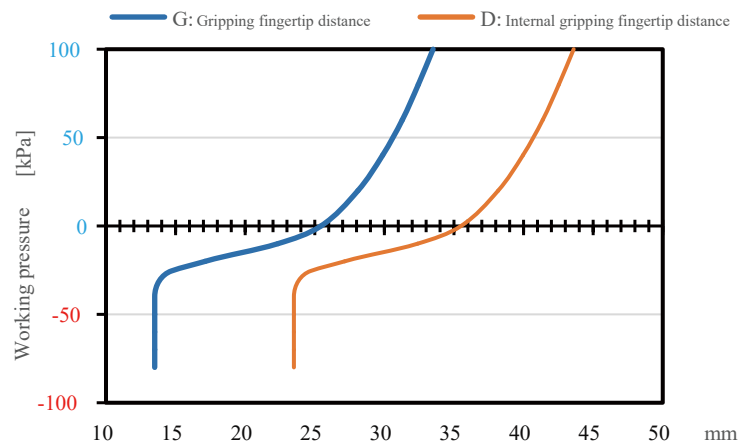
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

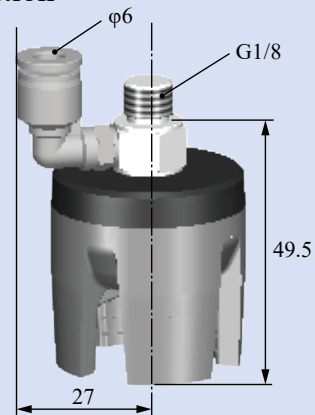
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

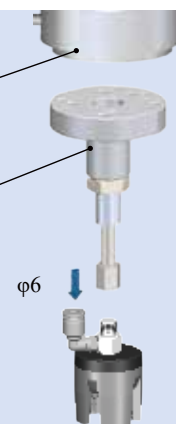
RF-SFB (optional)



Robotic Arm Flange Side Fitting Installation

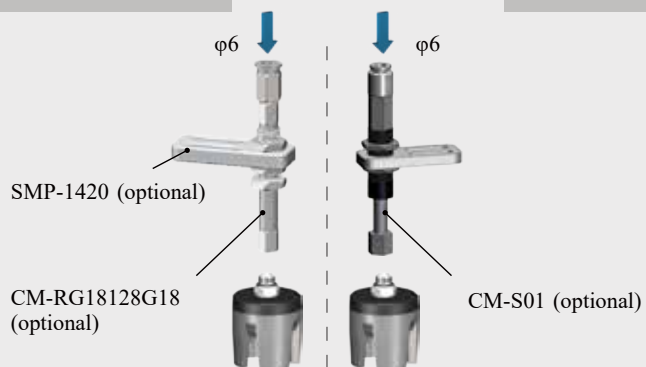
Six Axis Robotic Arm

FCM-S01 (optional)

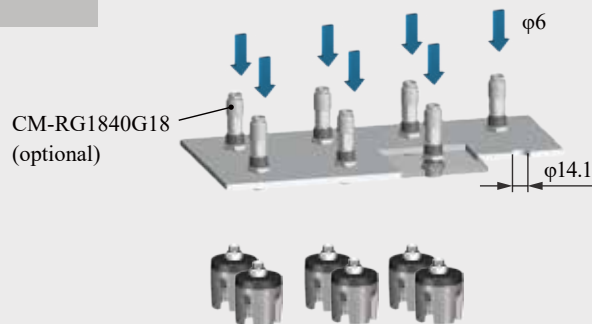


Rigid Connection Installation

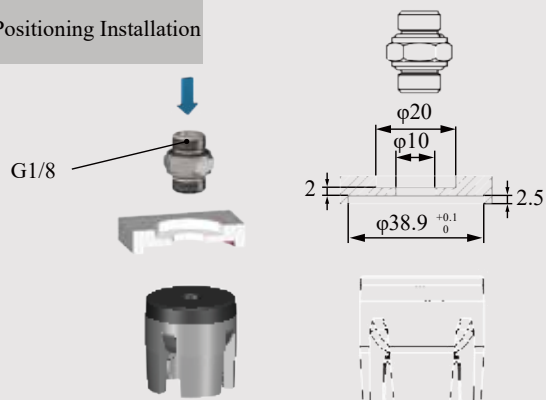
Buffer Installation



Matrix Installation





Precise Positioning Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|---|-------|---|--|---|
|  | BMC-4B40[P]/S Straight Fitting Normal Materia | | BML-4B40[P]/S Side Fitting Normal Materia | |  |
| | BMC-4B40[PAS]/S Straight Fitting Dust-free Normal Materia | | BML-4B40[PAS]/S Side Fitting Dust-free Normal Materia | | |
| BMC Weight | | 59.2g | BML Weight | | 73.7g |

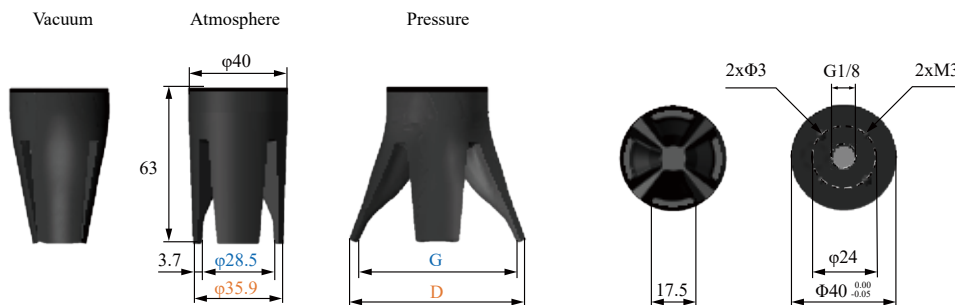
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 19-33mm | Gripping force | 0-0.5N | Theoretical gripping load** | 0-30g | Ideal gripping workpiece size* | 28mm |
| Internal gripping range | 34-60mm | Internal gripping force | 0-14.8N | Theoretical internal gripping load** | 0-889g | Ideal internal gripping workpiece size* | 36mm |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <70kPa |

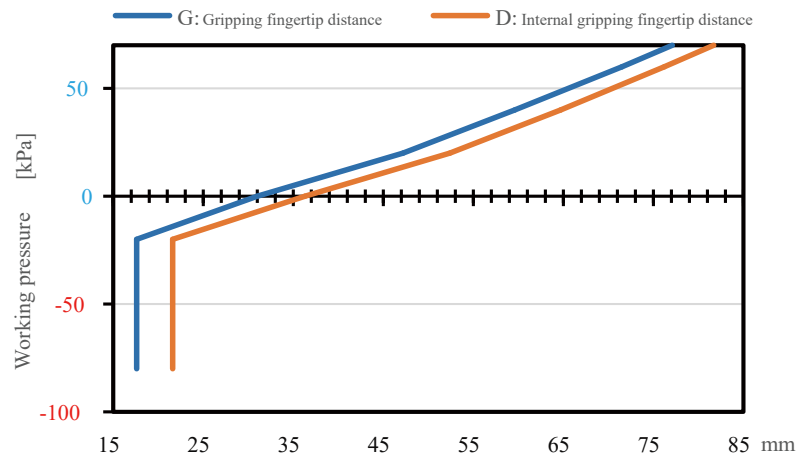
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.

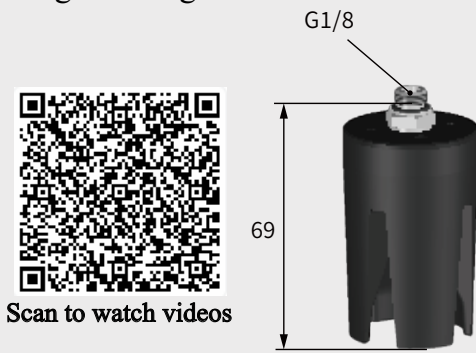


Pressure-Fingertip Distance deformation curve



Installation

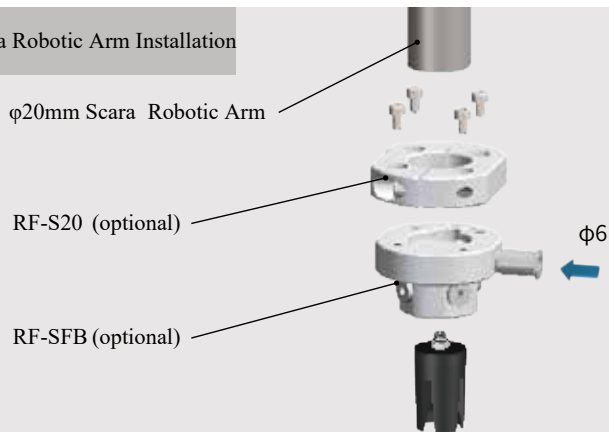
BMC Straight Fitting Installation



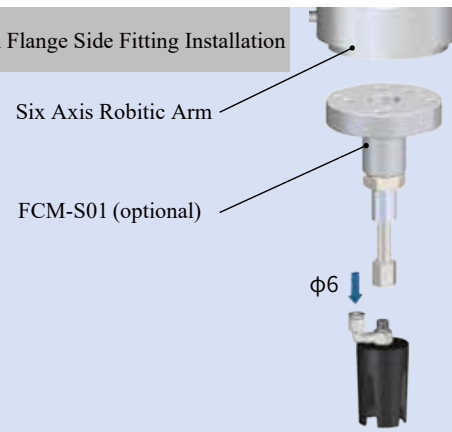
BML Side Fitting Installation



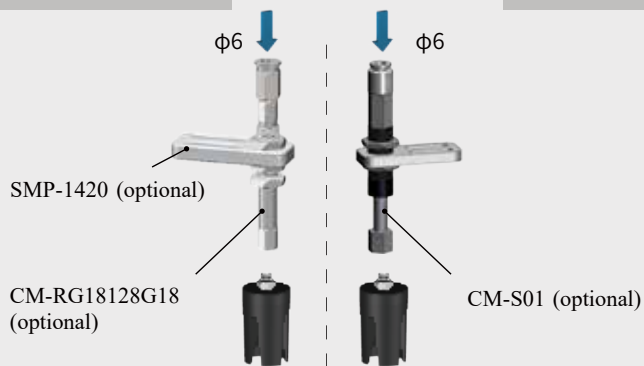
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

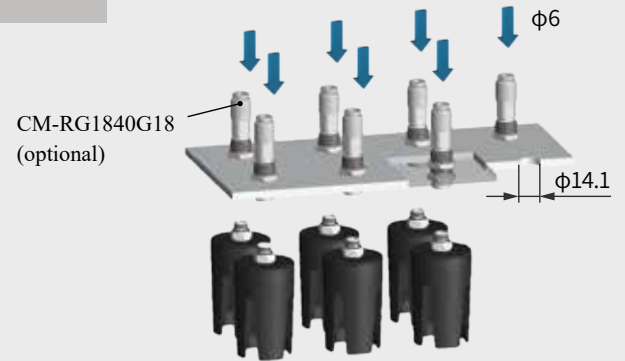


Rigid Connection Installation

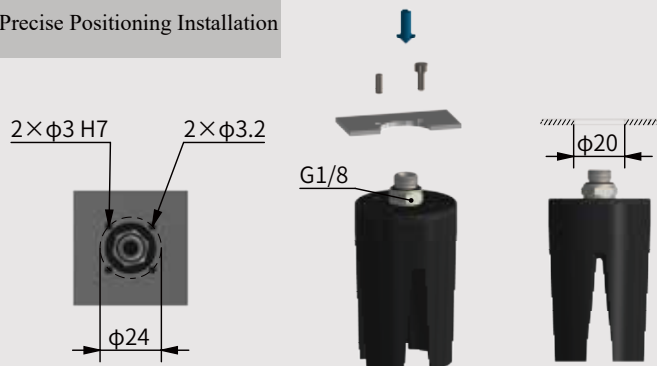


Buffer Installation

Matrix Installation




Precise Positioning Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|-------|---|--|---|
|  | BMC-4B40[H]/S Straight Fitting Strengthen Materia | | BML-4B40[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-4B40[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-4B40[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | | | | | |
| BMC Weight | | 57.2g | BML Weight | | 71.7g |

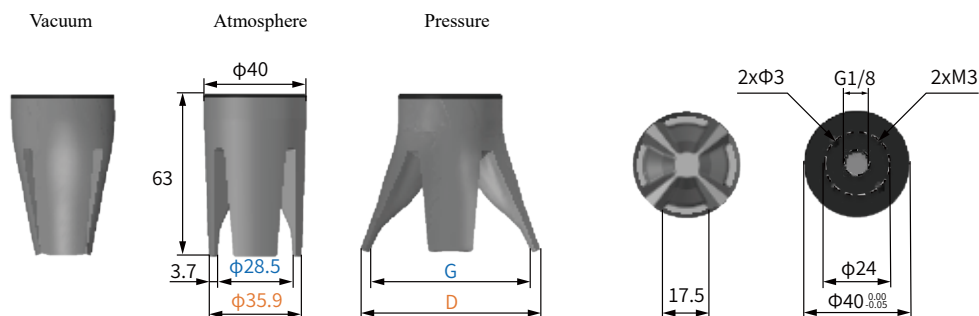
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|---------|---|---------|
| Gripping range | 19-33mm | Gripping force | 0-1.7N | Theoretical gripping load** | 0-103g | Ideal gripping workpiece size* | 28mm |
| Internal gripping range | 37-66mm | Internal gripping force | 0-24N | Theoretical internal gripping load** | 0-1439g | Ideal internal gripping workpiece size* | 36mm |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <160kPa |

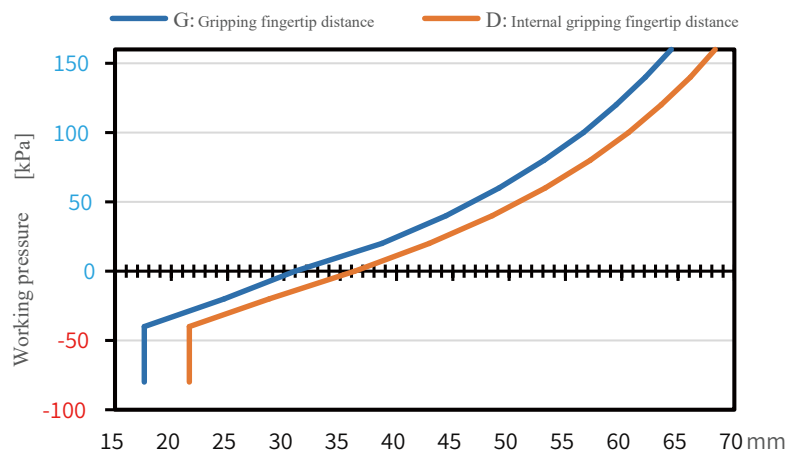
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

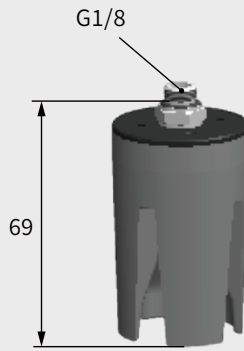


Installation

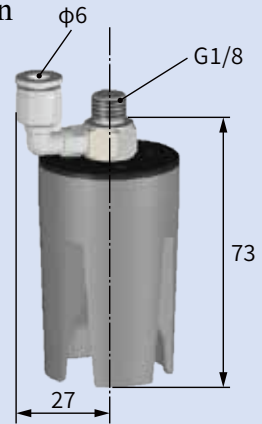
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

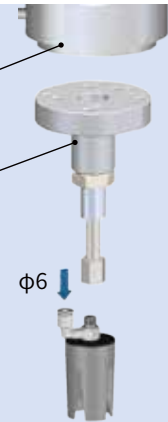
RF-SFB (optional)



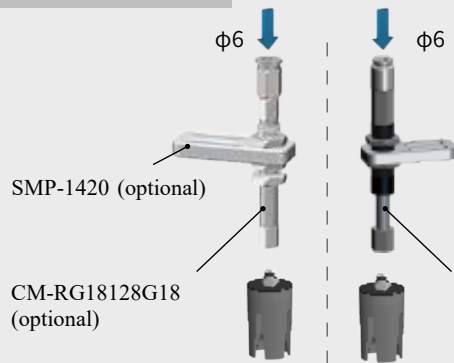
Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

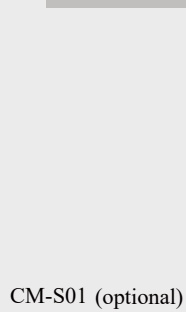
FCM-S01 (optional)



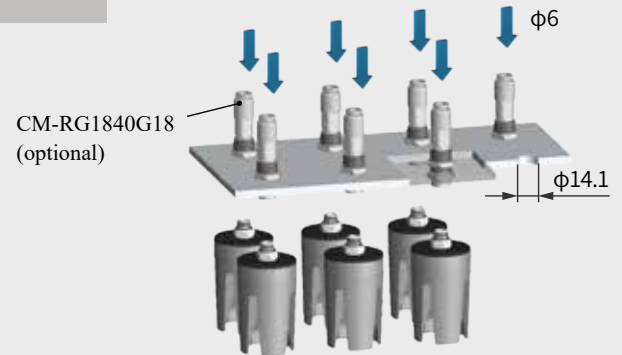
Rigid Connection Installation



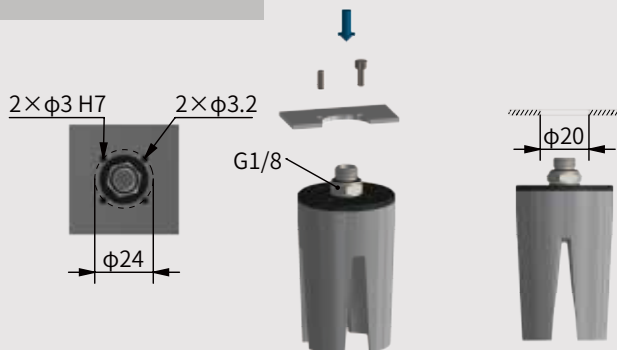
Buffer Installation



Matrix Installation





Precise Positioning Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|-------|---|-------|---|
|  | BMC-4G40[H]/S Straight Fitting Strengthen Materia | | BML-4G40[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-4G40[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-4G40[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | | | | | |
| | BMC Weight | 61.7g | BML Weight | 76.2g | |

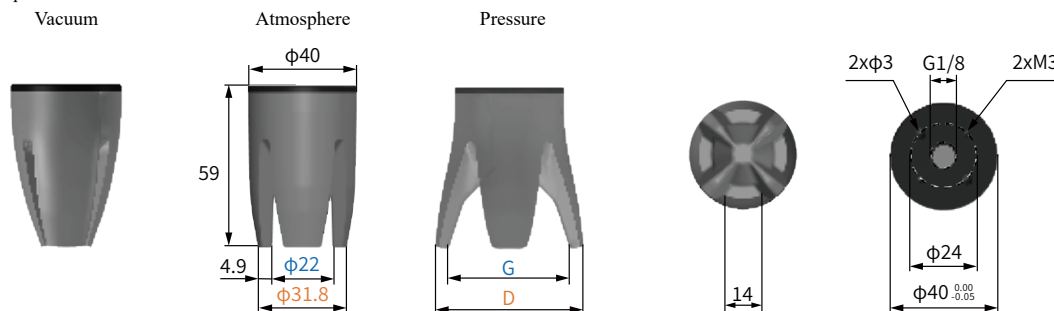
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 9-30mm | Gripping force | 0-4.7N | Theoretical gripping load** | 0-284g | Ideal gripping workpiece size* | 24mm |
| Internal gripping range | 35-48mm | Internal gripping force | 0-10.9N | Theoretical internal gripping load** | 0-654g | Ideal internal gripping workpiece size* | 36mm |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <150kPa |

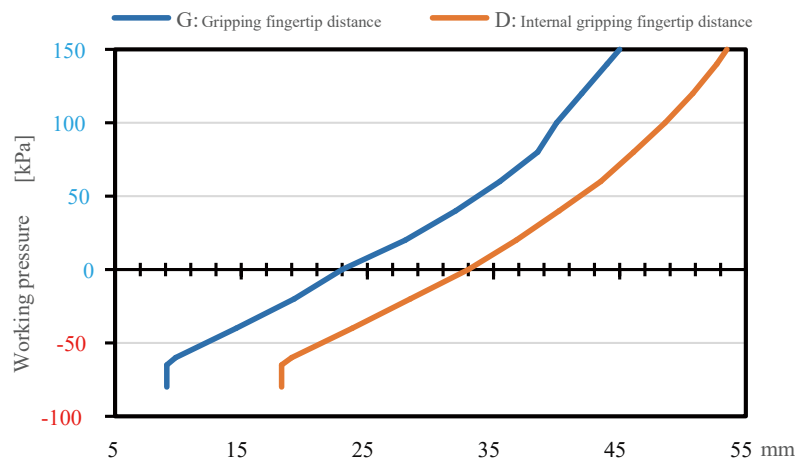
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

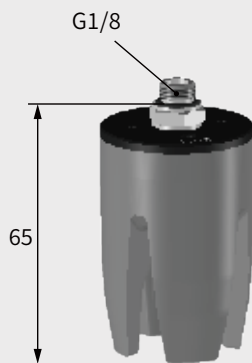


Installation

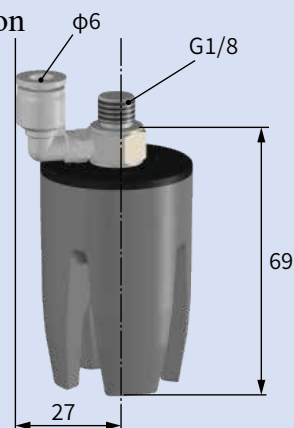
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

RF-SFB (optional)

φ6

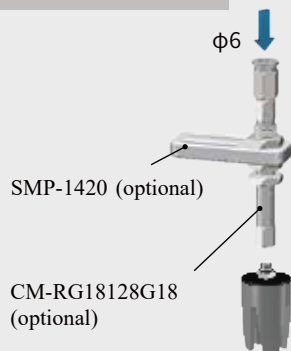
Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

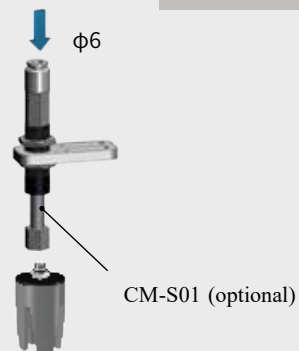
FCM-S01 (optional)

φ6

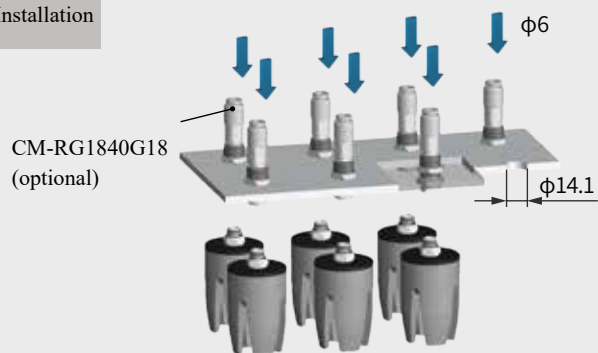
Rigid Connection Installation



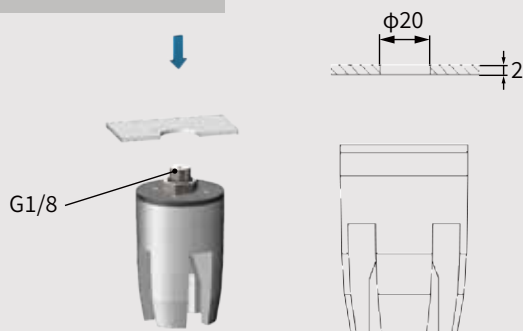
Buffer Installation



Matrix Installation




Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|---|---|--|---|------------|---|
|  | BMC-4G44[H]/S Straight Fitting Strengthen Materia | | BML-4G44[H]/S Side Fitting Strengthen Materia | |  |
| | BMC-4G44[HAS]/S Straight Fitting Dust-free Strengthen Materia | | BML-4G44[HAS]/S Side Fitting Dust-free Strengthen Materia | | |
| | BMC Weight | | 59.8g | BML Weight | |

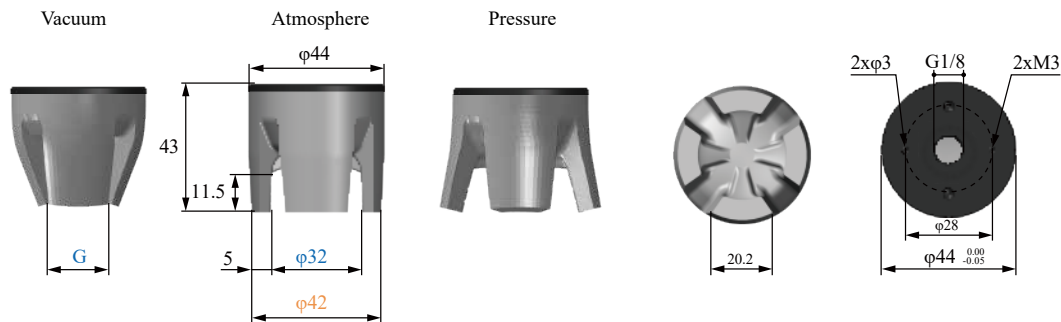
Parameter

| | | | | | | | |
|-------------------------|-----------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 18-31.5mm | Gripping force | 0-8.4N | Theoretical gripping load** | 0-505g | Ideal gripping workpiece size* | 30mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

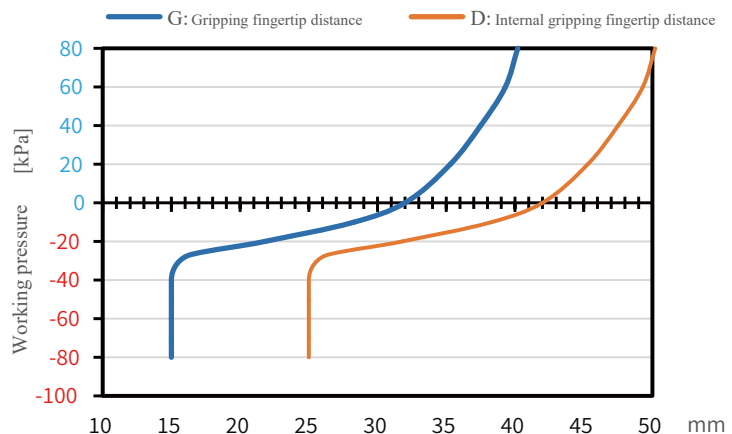
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

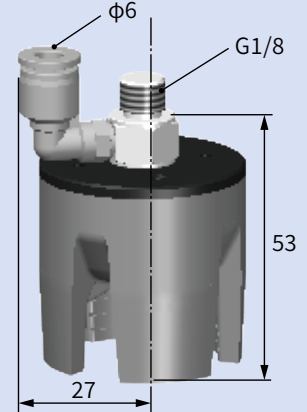
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

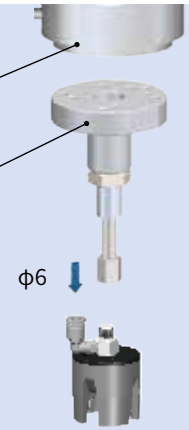
RF-SFB (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



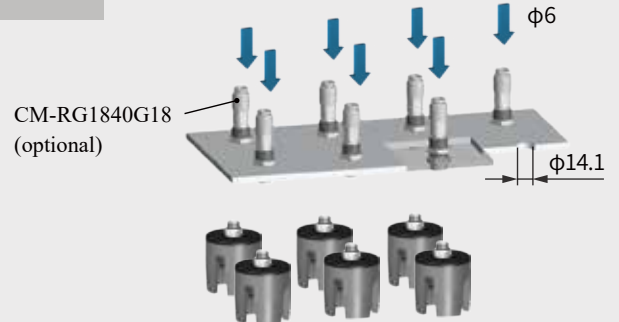
Rigid Connection Installation



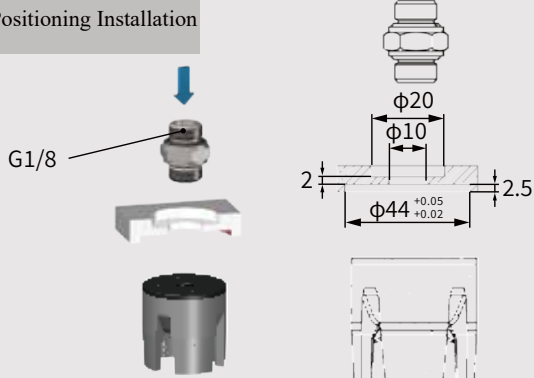
Buffer Installation



Matrix Installation





Precise Positioning Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorb on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | | | |
|---|--|-------|--|--------|---|
|  | BMC-4B50[P]/S Straight Fitting Normal Material | | BML-4B50[P]/S Side Fitting Normal Material | |  |
| | BMC-4B50[PAS]/S Straight Fitting Dust-free Normal Material | | BML-4B50[PAS]/S Side Fitting Dust-free Normal Material | | |
| | | | | | |
| | | | | | |
| | BMC Weight | 92.1g | BML Weight | 106.6g | |

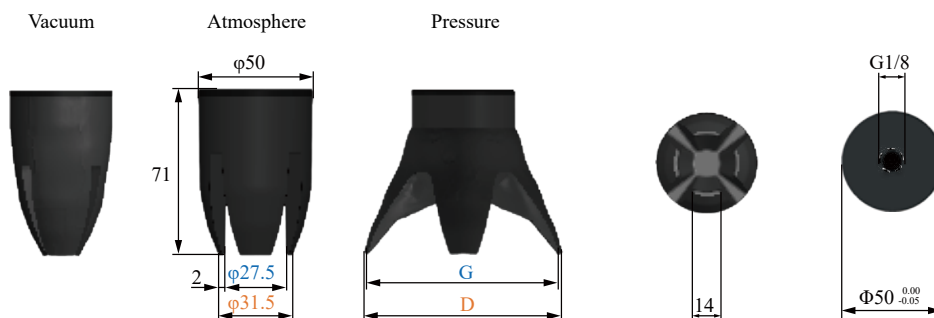
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 15-40mm | Gripping force | 0-2.1N | Theoretical gripping load** | 0-123g | Ideal gripping workpiece size* | 22mm |
| Internal gripping range | 35-70mm | Internal gripping force | 0-10.1N | Theoretical internal gripping load** | 0-605g | Ideal internal gripping workpiece size* | 52mm |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

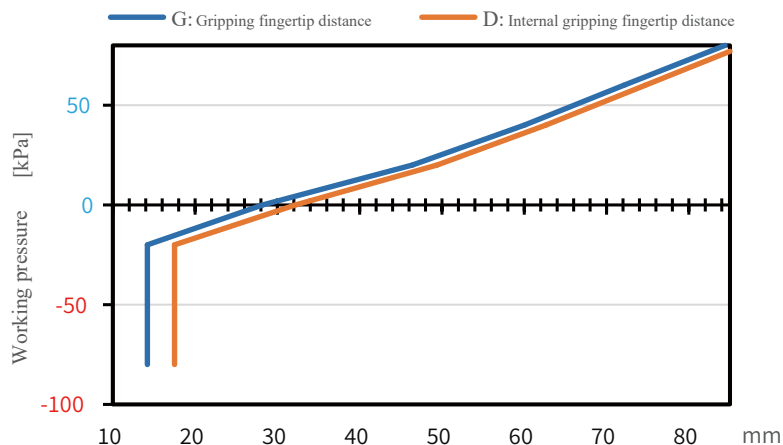
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

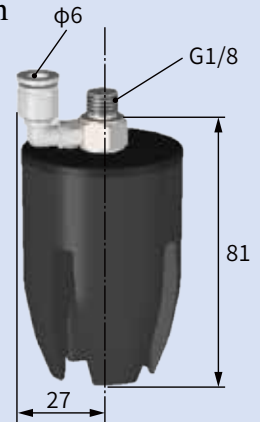
BMC Straight Fitting Installation



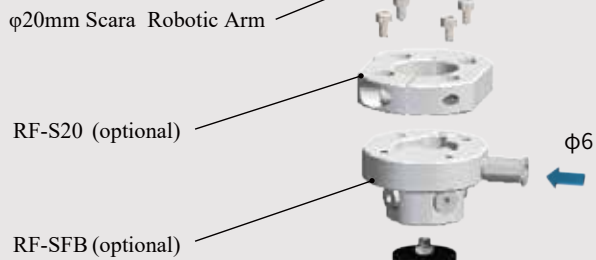
Scan to watch videos



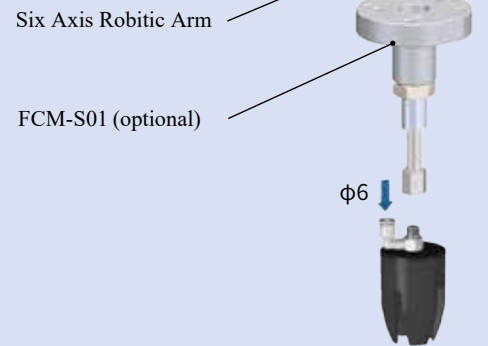
BML Side Fitting Installation



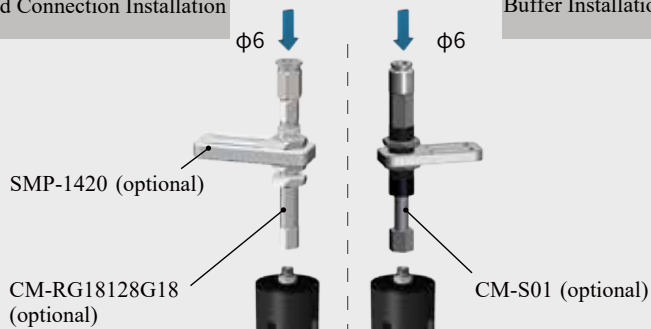
Scara Robotic Arm Installation



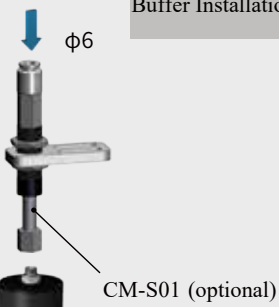
Robotic Arm Flange Side Fitting Installation



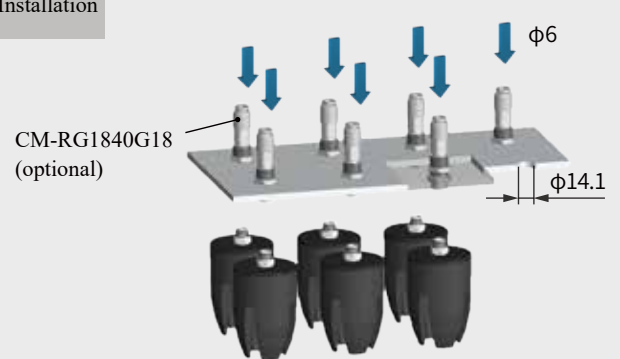
Rigid Connection Installation



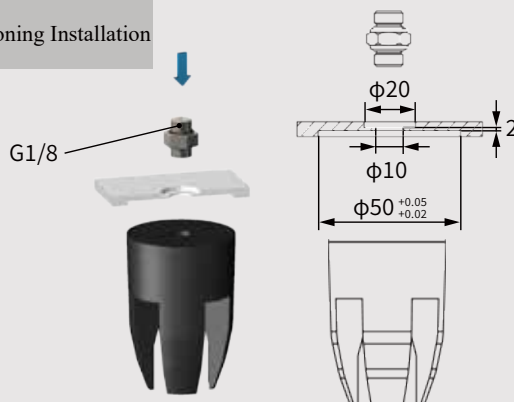
Buffer Installation



Matrix Installation


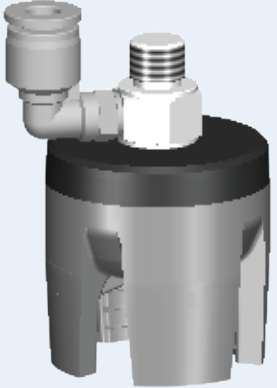


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | |
|---|---|---|---|
|  | BMC-4G51[H]/SN Straight Fitting Strengthen Materia | BML-4G51[H]/SN Side Fitting Strengthen Materia |  |
| | BMC-4G51[HAS]/SN Straight Fitting Dust-free Strengthen Materia | BML-4G51[HAS]/SN Side Fitting Dust-free Strengthen Materia | |
| BMC Weight | | BML Weight | 64.5g |
| 50g | | | |

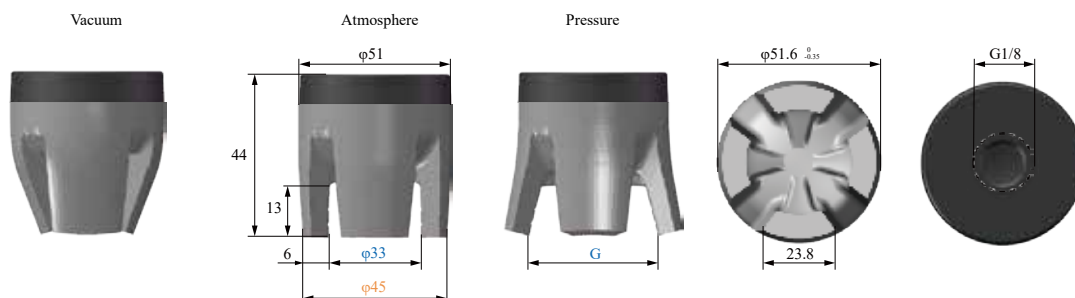
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|---------|
| Gripping range | 20-35mm | Gripping force | 0-12.3N | Theoretical gripping load** | 0-739g | Ideal gripping workpiece size* | 30mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

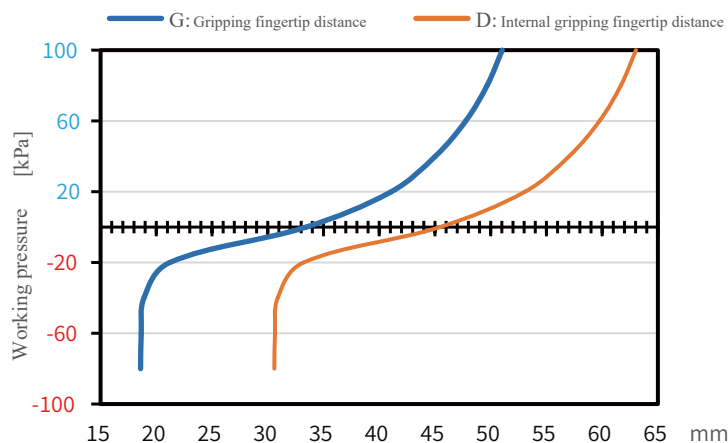
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

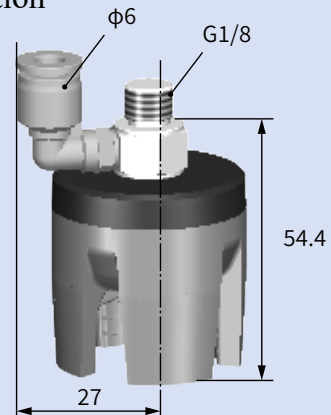
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

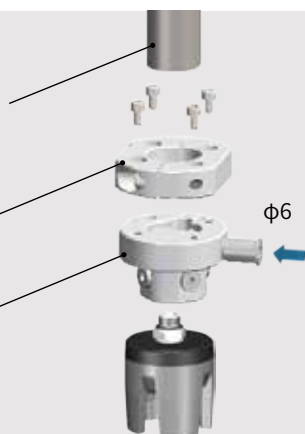


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

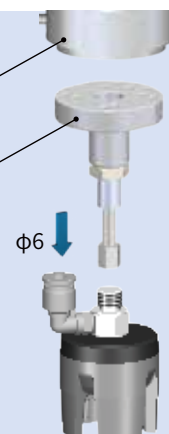
RF-SFB (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

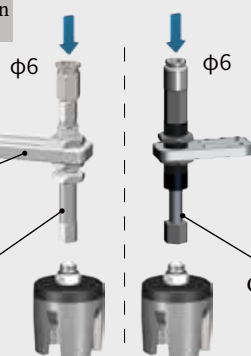
FCM-S01 (optional)



Rigid Connection Installation

SMP-1420 (optional)

CM-RG18128G18 (optional)



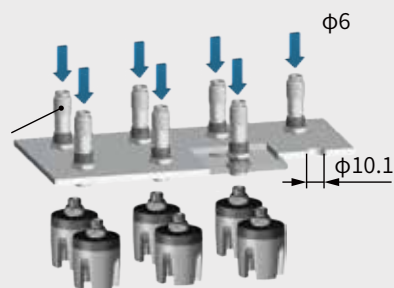
Buffer Installation

CM-S01 (optional)



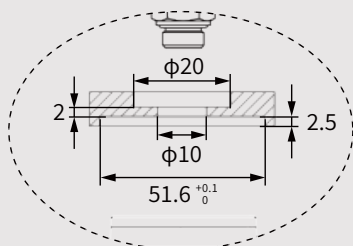
Matrix Installation

CM-RG1840G18 (optional)




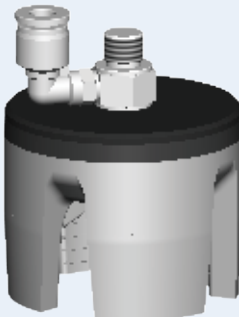
Precise Positioning Installation

G1/8



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | | | |
|--|--|--|---|--|-------|
|  | BMC-4G58[H]/SN Straight Fitting Strengthen Materia | BML-4G58[H]/SN Side Fitting Strengthen Materia |  | | |
| | BMC-4G58[HAS]/SN Straight Fitting Dust-free Strengthen Materia | BML-4G58[HAS]/SN Side Fitting Dust-free Strengthen Materia | | | |
| BMC Weight | | 60.4g | BML Weight | | 74.4g |

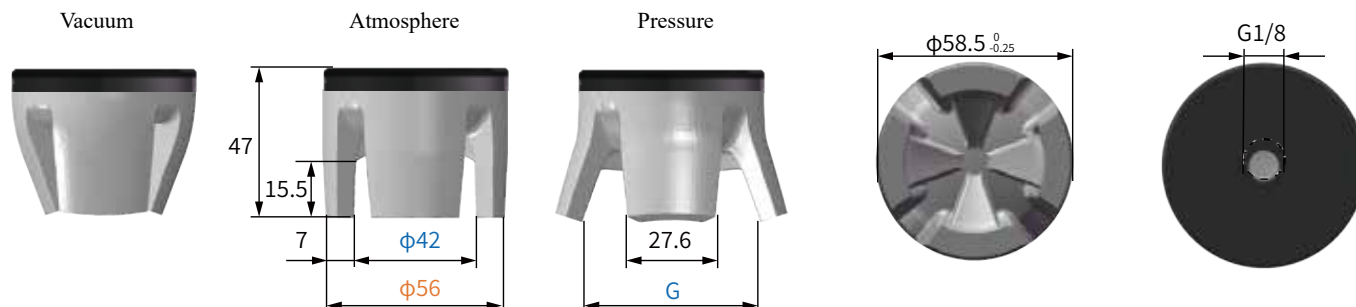
Paremeter

| | | | | | | | |
|-------------------------|-----------|-------------------------|-------------------|--------------------------------------|---------|---|---------|
| Gripping range | 24.5-50mm | Gripping force | 0-17.1N | Theoretical gripping load** | 0-1023g | Ideal gripping workpiece size* | 40mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <120kPa |

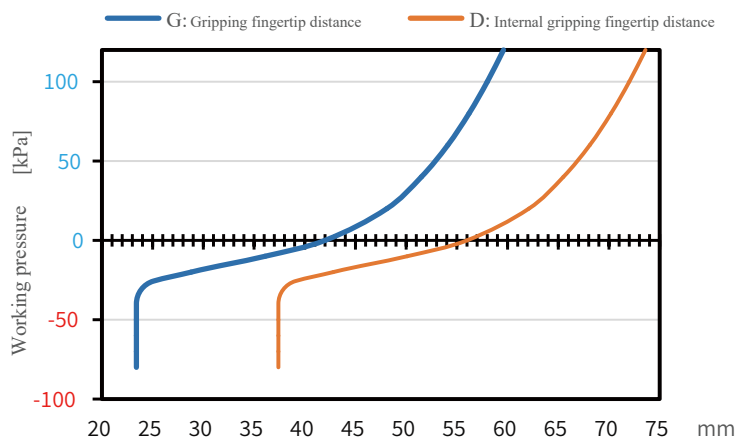
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

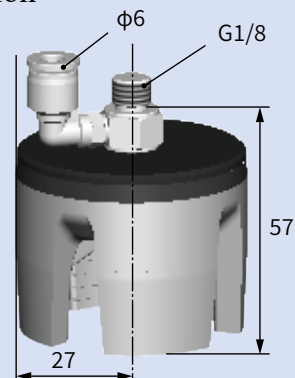
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation



Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

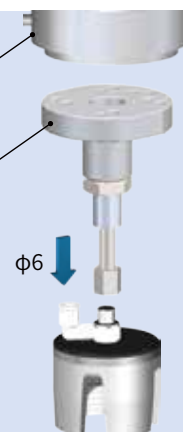
RF-SFB (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

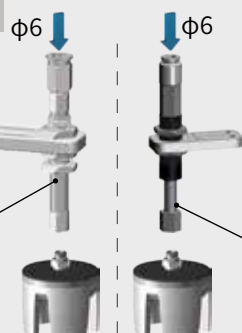
FCM-S01 (optional)



Rigid Connection Installation

SMP-1420 (optional)

CM-RG18128G18 (optional)



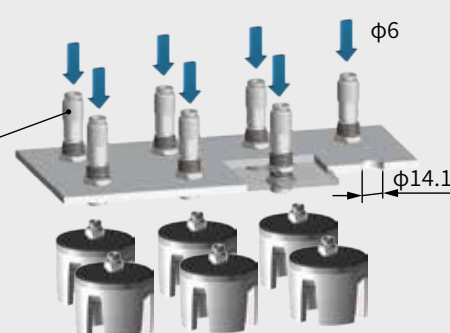
Buffer Installation

CM-S01 (optional)



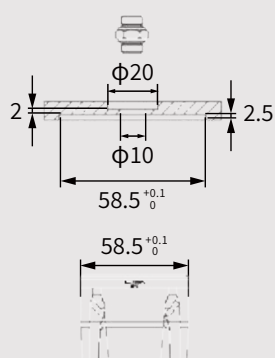
Matrix Installation

CM-RG1840G18 (optional)



Precise Positioning Installation

G1/8



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [H] and Dust-free Strengthen Material [HAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [HAS] is preferred.

| | | | |
|---|--|--|---|
|  | BMC-4G64[H]/S Straight Fitting Strengthen Materia | BML-4G64[H]/S Side Fitting Strengthen Materia |  |
| | BMC-4G64[HAS]/S Straight Fitting Dust-free Strengthen Materia | BML-4G64[HAS]/S Side Fitting Dust-free Strengthen Materia | |
| BMC Weight | | BML Weight | |
| 114.7g | | 129.2g | |

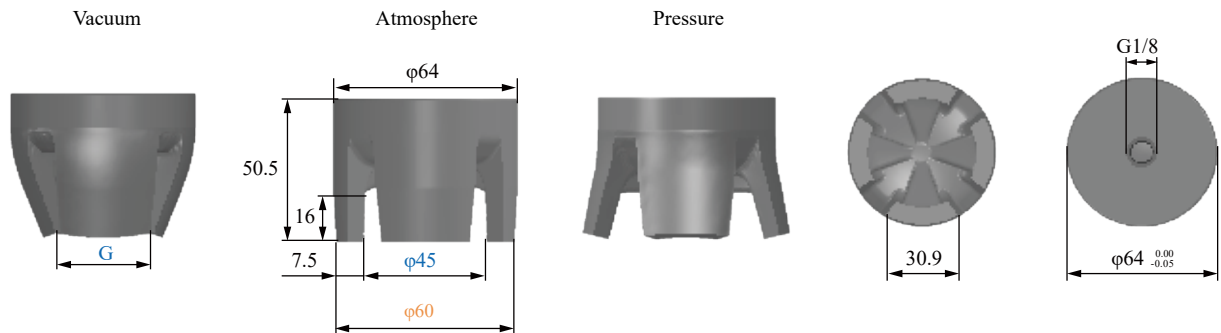
Paremeter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|---------|---|--------|
| Gripping range | 30-50mm | Gripping force | 0-22.1N | Theoretical gripping load** | 0-1325g | Ideal gripping workpiece size* | 45mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <80kPa |

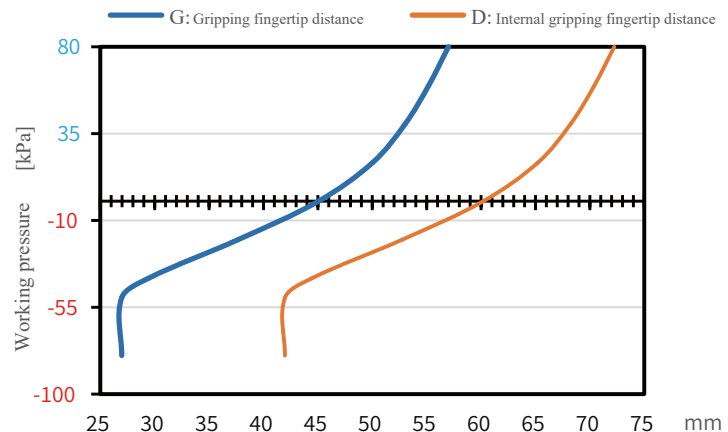
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

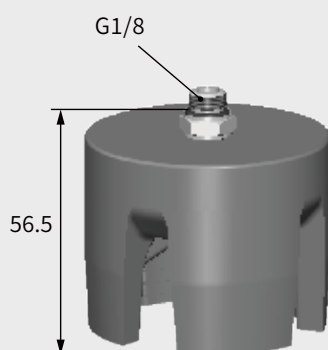


Installation

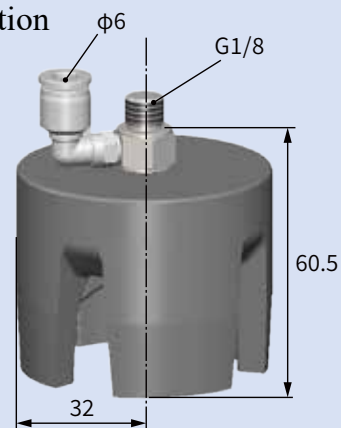
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

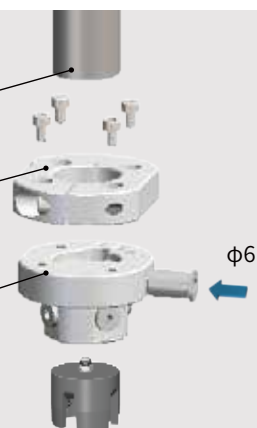


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

RF-S20 (optional)

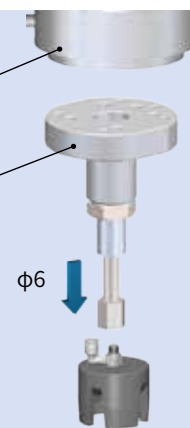
RF-SFB (optional)



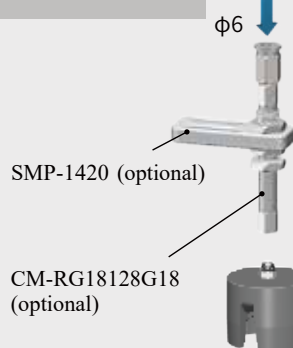
Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



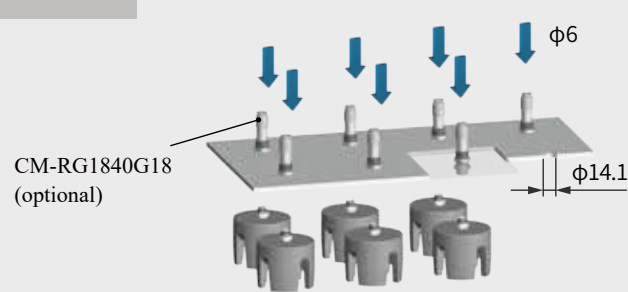
Rigid Connection Installation



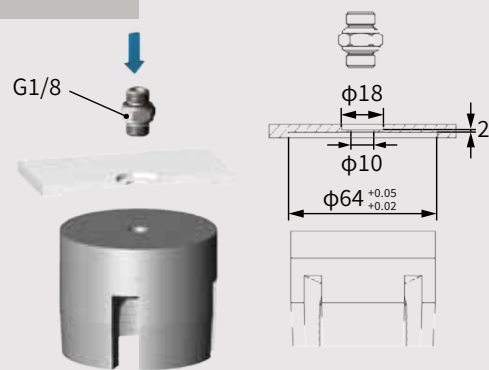
Buffer Installation



Matrix Installation


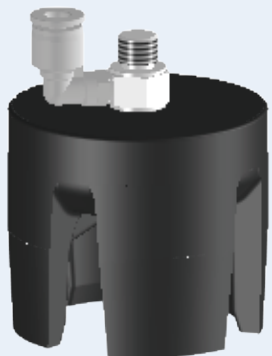


Precise Positioning Installation



Product features

- Fingertip open under pressure and clamped in a vacuum. Fingertip distance G can be adjusted by working pressure. It is suggested to be used with Rochu control unit.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | |
|---|---|---|---|
|  | BMC-4BG64[P]/S Straight Fitting Normal Materia | BML-4BG64[P]/S Side Fitting Normal Materia |  |
| | BMC-4BG64[PAS]/S Straight Fitting Dust-free Normal Materia | BML-4BG64[PAS]/S Side Fitting Dust-free Normal Materia | |
| BMC Weight | | BML Weight | |
| 114.7g | | 129.2g | |

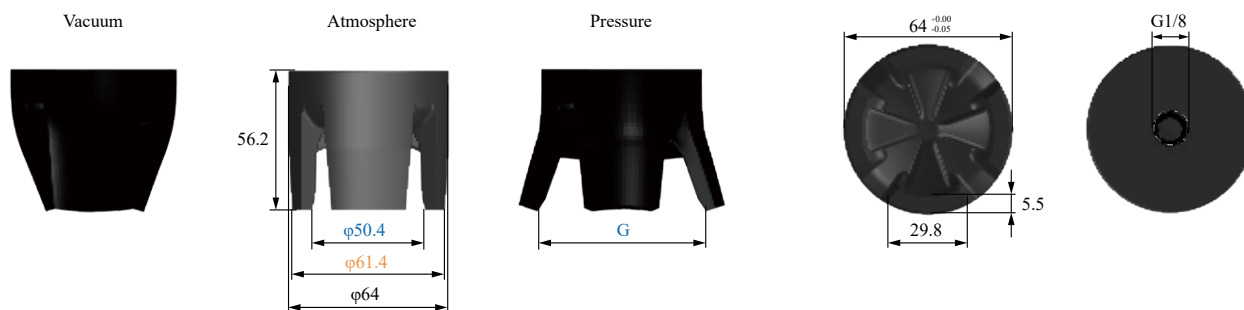
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | 35-65mm | Gripping force | 0-11.5N | Theoretical gripping load** | 0-690g | Ideal gripping workpiece size* | 50mm |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <70kPa |

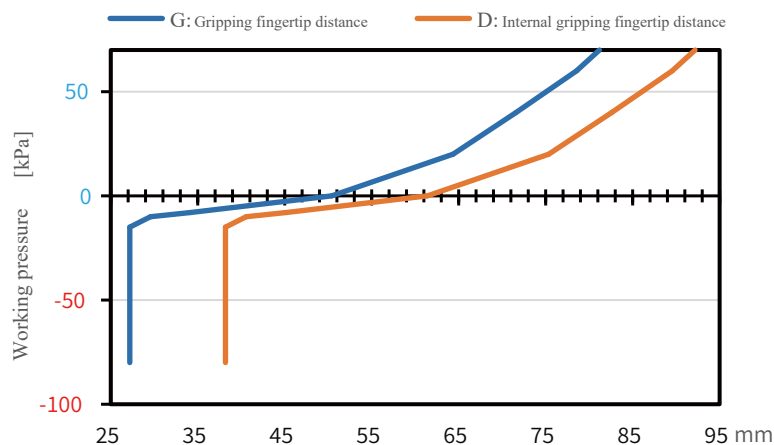
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve

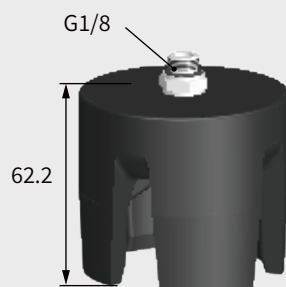


Installation

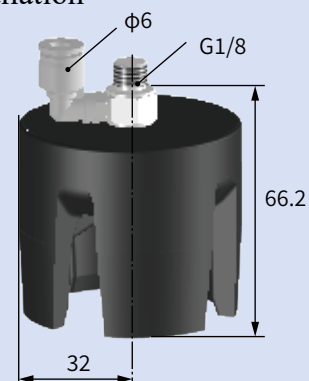
BMC Straight Fitting Installation



Scan to watch videos



BML Side Fitting Installation

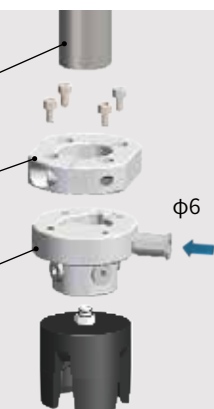


Scara Robotic Arm Installation

φ20mm Scara Robotic Arm

CP-193 (optional)

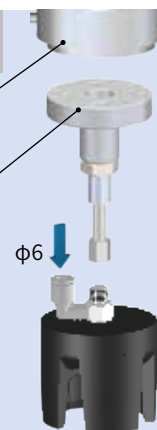
CP-192 (optional)



Robotic Arm Flange Side Fitting Installation

Six Axis Robotic Arm

FCM-S01 (optional)



Rigid Connection Installation



CM-RG18128G18 (optional)

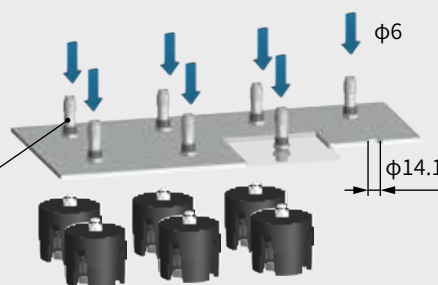
Buffer Installation



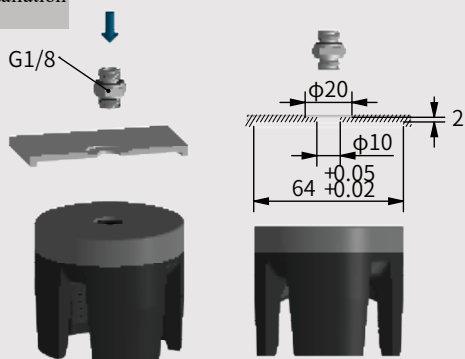
CM-S01 (optional)

Matrix Installation

CM-RG1840G18 (optional)





Precise Positioning Installation



Product features

- The inner fingertip distance G and the outer fingertip distance D can be adjusted by using the working air pressure.
- Soft beak material is divided into Strengthen Material [P] and Dust-free Strengthen Material [PAS]. When the workpiece is light, or very soft, easy to adhere to adsorp on the soft beak, Dust-free Strengthen Material [PAS] is preferred.

| | | | |
|---|---|---|---|
|  | BMC-4B70[P]/S Straight Fitting Normal Material | BML-4B70[P]/S Side Fitting Normal Material |  |
| | BMC-4B70[PAS]/S Straight Fitting Dust-free Normal Material | BML-4B70[PAS]/S Side Fitting Dust-free Normal Material | |
| BMC Weight | | BML Weight | |
| 210.1g | | 224.6g | |

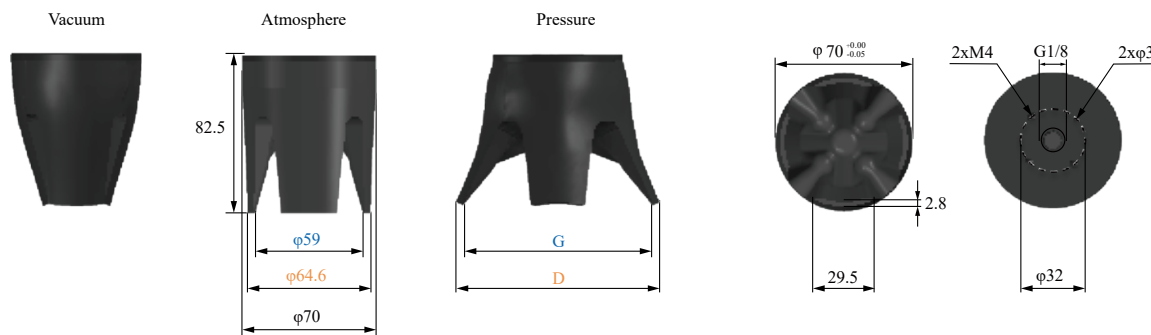
Parameter

| | | | | | | | |
|-------------------------|---------|-------------------------|-------------------|--------------------------------------|---------|---|---------|
| Gripping range | 32-65mm | Gripping force | 0-12N | Theoretical gripping load** | 0-718g | Ideal gripping workpiece size* | 50mm |
| Internal gripping range | 60-90mm | Internal gripping force | 0-18N | Theoretical internal gripping load** | 0-1081g | Ideal internal gripping workpiece size* | 75mm |
| Joint size | G1/8 | Life time*** | 150 million times | Contact Temperature | <220°C | Safe pressure*** | <100kPa |

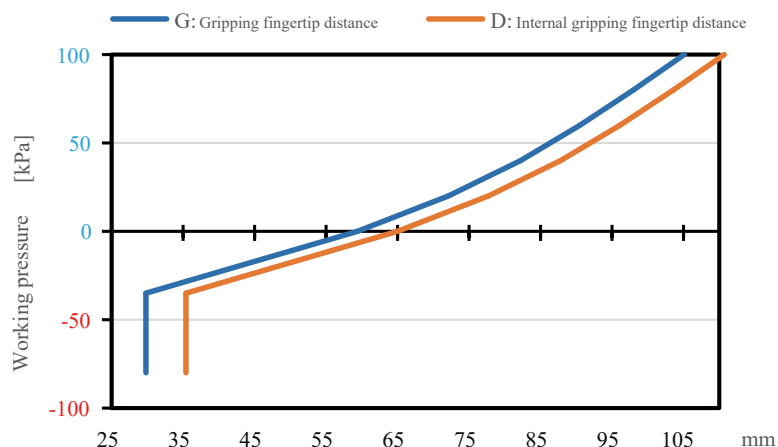
*: The width of the cuboid that generates the maximum gripping force (two-finger gripping), the outer diameter of the cylinder (multi-finger gripping), the width of the square hole (two-finger internal gripping), or the inner diameter of the circular hole (multi-finger internal gripping);

**: Only the theoretical load of the ideal workpiece under standard working conditions is marked for reference and comparison. The real load capacity is also affected by factors such as the surface structure and roughness of the workpiece. Please take the measured data as the standard;

***: The working air pressure and the surface roughness of the workpiece in the usage scenario may have different degrees of impact on the life-time. Please configure Rochu control Unit. Do not exceed the safe air pressure.



Pressure-Fingertip Distance deformation curve



Installation

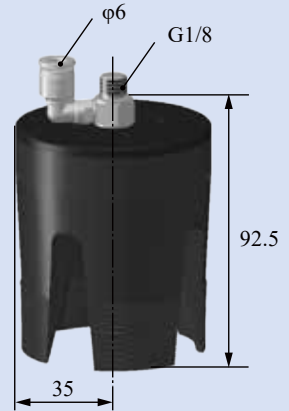
BMC Straight Fitting Installation



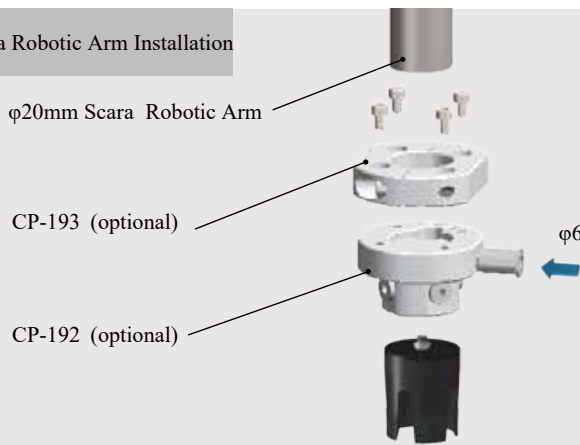
Scan to watch videos



BML Side Fitting Installation



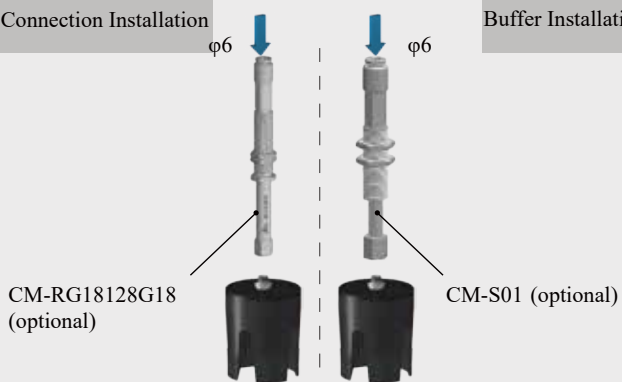
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation

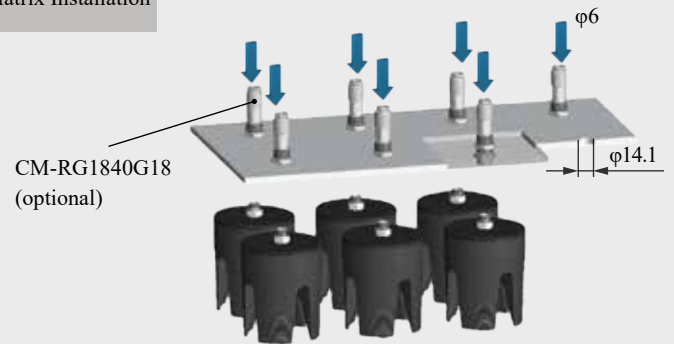


Rigid Connection Installation

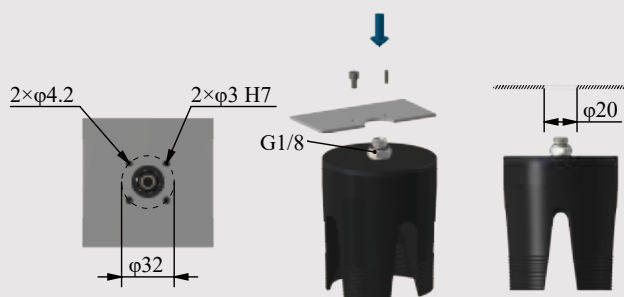


Buffer Installation

Matrix Installation





Precise Positioning Installation




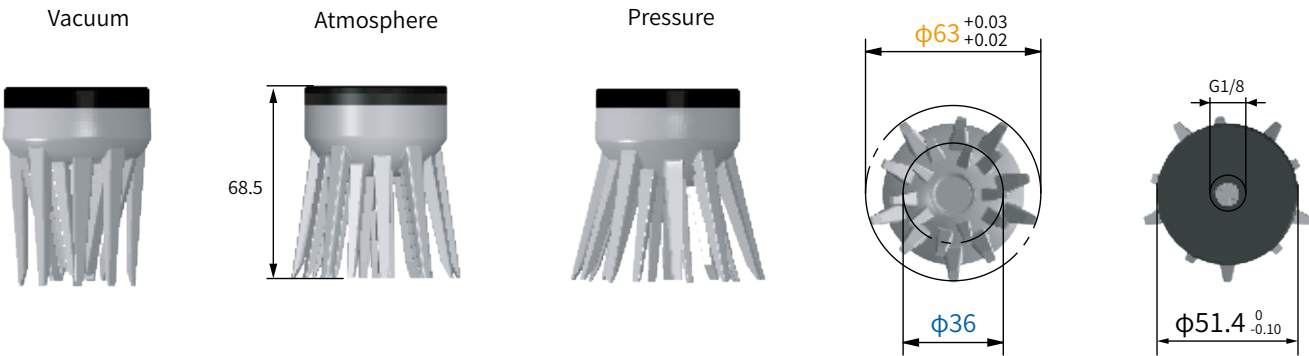
Product features

- Soft Anemone, with a shape similar to that of a sea anemone, has multiple tentacles and naturally spreads out under normal pressure.
- The soft tentacles have extremely strong adaptability and can deform with the workpiece to achieve enclosing grasping. It's suitable for workpieces that are soft, irregularly shaped, and variable, and there is no requirement for precise positioning.
- In vacuum state, the Soft Anemone contracts inwardly and holds the workpiece tightly. Can be used with Rochu control unit, and the vacuum value can be set to adjust the holding force.

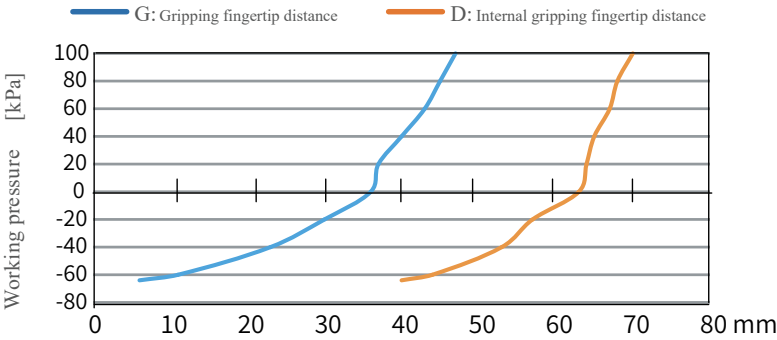
B-20G51[H]/SN

| | | | |
|---|--|-----|---|
|  | BMC-20G51[H]/SN Straight Fitting Strengthen Materia | |  |
| | BMC Weight | 55g | |

| | | |
|--|-----|---|
| BML-20G51[H]/SN Side Fitting Strengthen Materia | |  |
| BML Weight | 68g | |

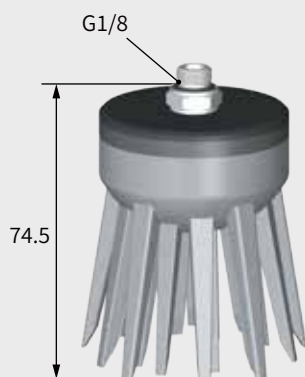


Pressure-Fingertip Distance deformation curve

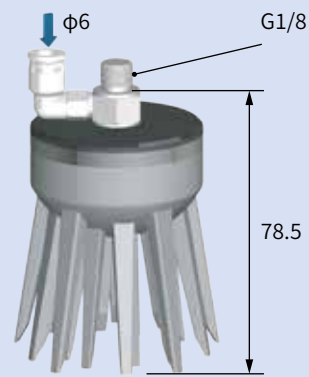


Installation

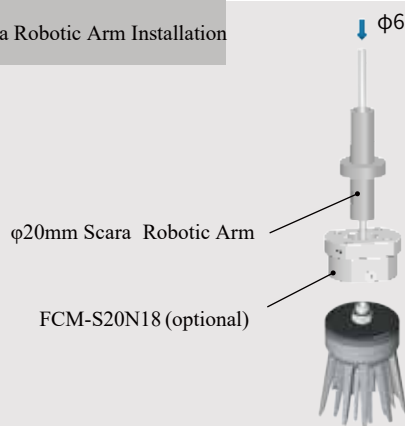
BMC Straight Fitting Installation



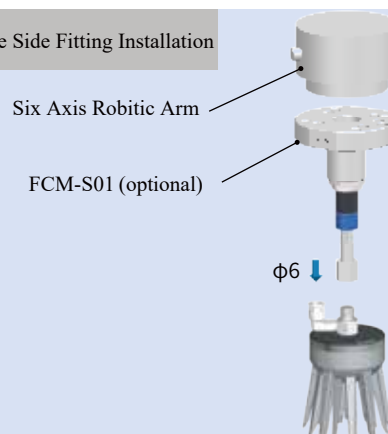
BML Side Fitting Installation



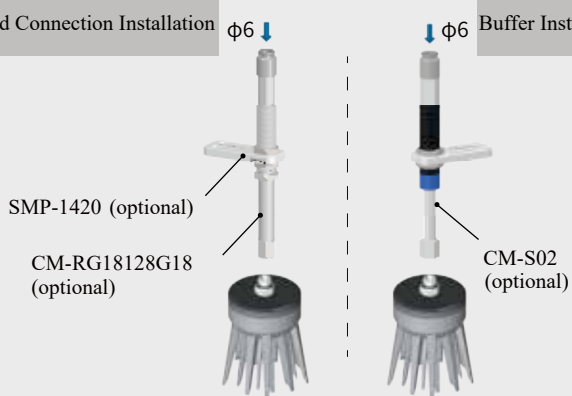
Scara Robotic Arm Installation



Robotic Arm Flange Side Fitting Installation



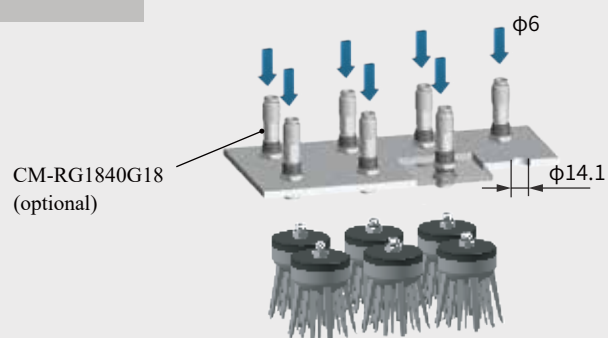
Rigid Connection Installation



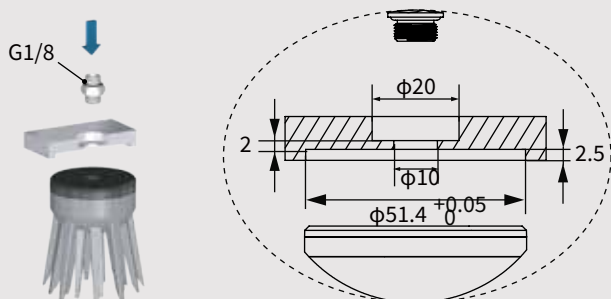
Buffer Installation



Matrix Installation

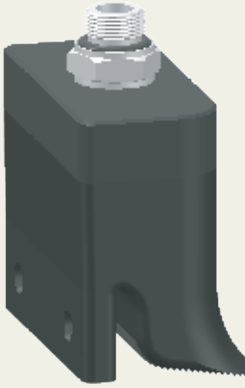
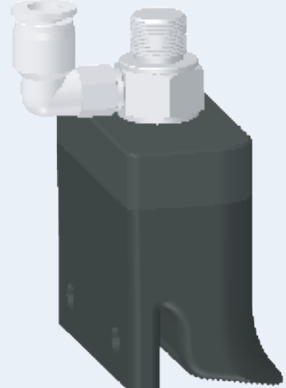


Precise Positioning Installation



Product features

- Special for soft fabrics, used for layered picking and precise positioning of fabrics.
 - The soft friction surface with special texture can "rub" up the fabric. Combined with the rigid positioning end, the blanking error can reach $\pm 2\text{mm}$.
 - The fingertip is opened in positive pressure state and clamped in vacuum state. The clamping force is adjusted by working air pressure.
- It is recommended to be used with Rochu control unit.

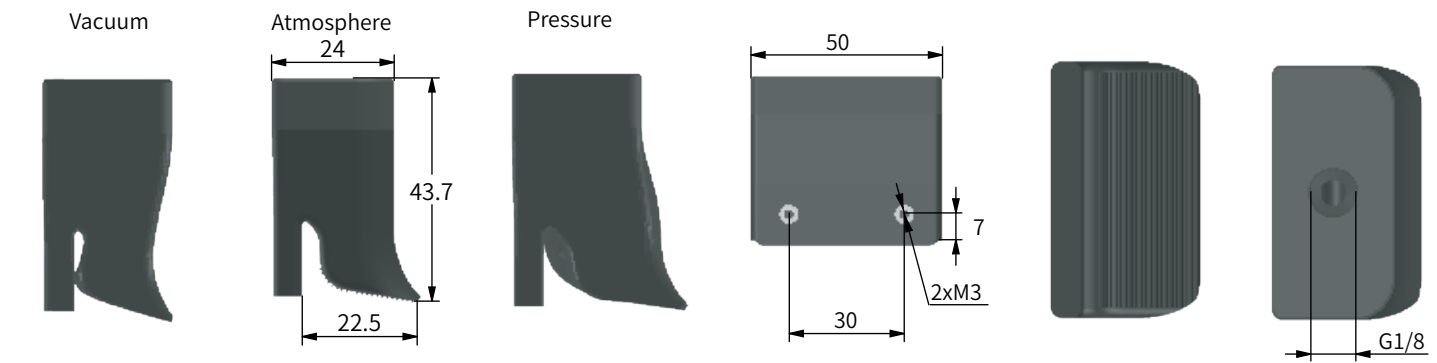
| | | | | | |
|---|--|--|--|--|---|
|  | BMC-H5024[P]/S Straight Fitting Normal Materia | | BML-H5024[P]/S Side Fitting Normal Materia | |  |
| | BMC Weight | | BML Weight | | |
| | 73.2g | | 85.7g | | |

Parameter

| | | | | | | | |
|-------------------------|------|-------------------------|-------------------|--------------------------------------|--------|---|--------|
| Gripping range | — | Gripping force | 0-2N | Theoretical gripping load** | 200g | Ideal gripping workpiece size* | — |
| Internal gripping range | — | Internal gripping force | — | Theoretical internal gripping load** | — | Ideal internal gripping workpiece size* | — |
| Joint size | G1/8 | Life time*** | 1.5 million times | Contact Temperature | <180°C | Safe pressure*** | <70kPa |

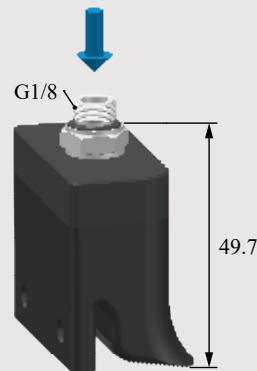
*: The experimental conditions for the load are limited to soft fabric products.

***: The working air pressure and the surface roughness of the grasped object in the usage scenario may have different degrees of impact on the service life. It is recommended to configure Rochu standard driver. Do not exceed the safe air pressure for the working air pressure.

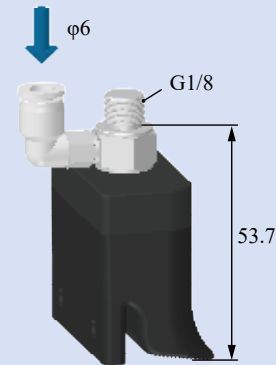


Installation

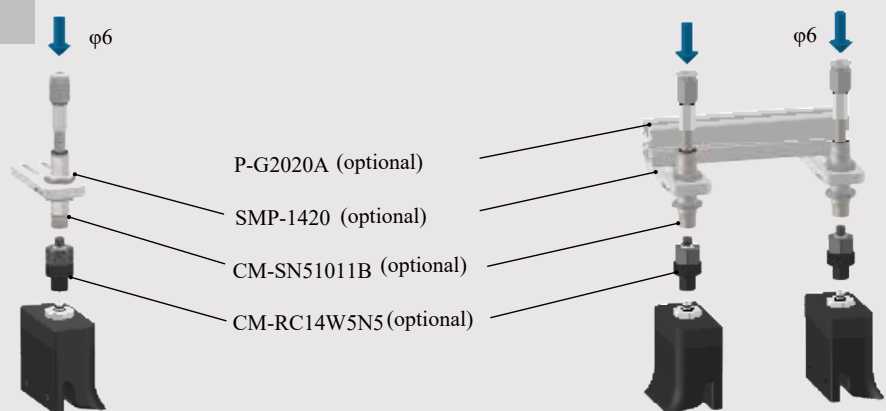
BMC Straight Fitting Installation



BML Side Fitting Installation



Installation method



Unilateral stratification

| Product Name | Model | Quantity |
|--------------------------|---------------|----------|
| Beak Module | B-H5024[P]/S | 2 |
| Rotary Joint | CM-RC14W5N5 | 2 |
| Connection Module | CM-S04 | 2 |
| Slide Mounting Plate | SMP-14 | 2 |
| Flange Connection Module | FCM-R03 | 1 |
| Profile | P-G2020A<300> | 1 |



Frontal stratification

| Product Name | Model | Quantity |
|--------------------------|---------------|----------|
| Beak Module | B-H5024[P]/S | 6 |
| Rotary Joint | CM-RC14W5N5 | 6 |
| Connection Module | CM-S04 | 6 |
| Slide Mounting Plate | SMP-14 | 6 |
| Flange Connection Module | FCM-R03 | 1 |
| Profile | P-G2020A<500> | 2 |
| Profile | P-G2020A<300> | 1 |
| Connector Part | CP-001 | 2 |



FM / F

Finger Module / Finger



A
Finger Module

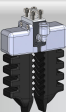
















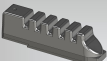




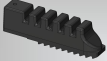
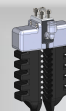



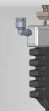

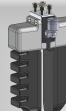










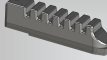





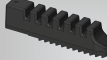





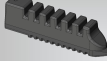







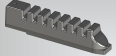
B
Finger Module





C
Finger Module

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| FM-A3V1/LS1 | FM-A3V2/LS1 | FM-A3V3/LS1 | FM-A3V4/LS1 | FM-A3V5/LS1 | F-A3T/LS1 |
|  |  |  |  |  |  |
| FM-A3V1/LS8 | FM-A3V2/LS8 | FM-A3V3/LS8 | FM-A3V4/LS8 | FM-A3V5/LS8 | F-A3T/LS8 |
|  |  |  |  |  |  |
| FM-A3V1/LF1 | FM-A3V2/LF1 | FM-A3V3/LF1 | FM-A3V4/LF1 | FM-A3V5/LF1 | F-A3T/LF1 |
|  |  |  |  |  |  |
| FM-A4V1/LS1 | FM-A4V2/LS1 | FM-A4V3/LS1 | FM-A4V4/LS1 | FM-A4V5/LS1 | F-A4T/LS1 |
|  |  |  |  |  |  |
| FM-A4V1/LS8 | FM-A4V2/LS8 | FM-A4V3/LS8 | FM-A4V4/LS8 | FM-A4V5/LS8 | F-A4T/LS8 |
|  |  |  |  |  |  |
| FM-A4V1/FS3 | FM-A4V2/FS3 | FM-A4V3/FS3 | FM-A4V4/FS3 | FM-A4V5/FS3 | F-A4T/FS3 |
|  |  |  |  |  |  |
| FM-A4V1/LF1 | FM-A4V2/LF1 | FM-A4V3/LF1 | FM-A4V4/LF1 | FM-A4V5/LF1 | F-A4T/LF1 |
|  |  |  |  |  |  |
| FM-A5V1/LS1 | FM-A5V2/LS1 | FM-A5V3/LS1 | FM-A5V4/LS1 | FM-A5V5/LS1 | F-A5T/LS1 |
|  |  |  |  |  |  |
| FM-A5V1/LS8 | FM-A5V2/LS8 | FM-A5V3/LS8 | FM-A5V4/LS8 | FM-A5V5/LS8 | F-A5T/LS8 |

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| FM-A5V1/FS3 | FM-A5V2/FS3 | FM-A5V3/FS3 | FM-A5V4/FS3 | FM-A5V5/FS3 | F-A5T/FS3 |
|  |  |  |  |  |  |
| FM-A5V1/LF1 | FM-A5V2/LF1 | FM-A5V3/LF1 | FM-A5V4/LF1 | FM-A5V5/LF1 | F-A5T/LF1 |
|  |  |  |  |  |  |
| FM-A6V1/LS1 | FM-A6V2/LS1 | FM-A6V3/LS1 | FM-A6V4/LS1 | FM-A6V5/LS1 | F-A6T/LS1 |
|  |  |  |  |  |  |
| FM-A6V1/LS8 | FM-A6V2/LS8 | FM-A6V3/LS8 | FM-A6V4/LS8 | FM-A6V5/LS8 | F-A6T/LS8 |
|  |  |  |  |  |  |
| FM-A6V1/FS3 | FM-A6V2/FS3 | FM-A6V3/FS3 | FM-A6V4/FS3 | FM-A6V5/FS3 | F-A6T/FS3 |
|  |  |  |  |  |  |
| FM-A6V1/LF1 | FM-A6V2/LF1 | FM-A6V3/LF1 | FM-A6V4/LF1 | FM-A6V5/LF1 | F-A6T/LF1 |
|  |  |  |  |  |  |
| FM-A7V1/LS1 | FM-A7V2/LS1 | FM-A7V3/LS1 | FM-A7V4/LS1 | FM-A7V5/LS1 | F-A7T/LS1 |
|  |  |  |  |  |  |
| FM-A7V1/LS8 | FM-A7V2/LS8 | FM-A7V3/LS8 | FM-A7V4/LS8 | FM-A7V5/LS8 | F-A7T/LS8 |
|  |  |  |  |  |  |
| FM-A7V1/FS3 | FM-A7V2/FS3 | FM-A7V3/FS3 | FM-A7V4/FS3 | FM-A7V5/FS3 | F-A7T/FS3 |

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| FM-A8V1/LS1 | FM-A8V2/LS1 | FM-A8V3/LS1 | FM-A8V4/LS1 | FM-A8V5/LS1 | F-A8T/LS1 |

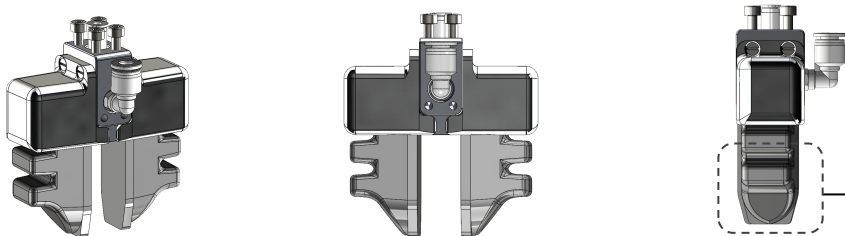
| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| FM-B3V1/LS1 | FM-B3V2/LS1 | FM-B3V3/LS1 | FM-B3V4/LS1 | FM-B3V5/LS1 | F-B3T/LS1 |
|  |  |  |  |  |  |
| FM-B3V1/LF1 | FM-B3V2/LF1 | FM-B3V3/LF1 | FM-B3V4/LF1 | FM-B3V5/LF1 | F-B3T/LF1 |
|  |  |  |  |  |  |
| FM-B4V1/LS1 | FM-B4V2/LS1 | FM-B4V3/LS1 | FM-B4V4/LS1 | FM-B4V5/LS1 | F-B4T/LS1 |
|  |  |  |  |  |  |
| FM-B4V1/LS8 | FM-B4V2/LS8 | FM-B4V3/LS8 | FM-B4V4/LS8 | FM-B4V5/LS8 | F-B4T/LS8 |
|  |  |  |  |  |  |
| FM-B4V1/FS3 | FM-B4V2/FS3 | FM-B4V3/FS3 | FM-B4V4/FS3 | FM-B4V5/FS3 | F-B4T/FS3 |
|  |  |  |  |  |  |
| FM-B4V1/LF1 | FM-B4V2/LF1 | FM-B4V3/LF1 | FM-B4V4/LF1 | FM-B4V5/LF1 | F-B4T/LF1 |
|  |  |  |  |  |  |
| FM-B5V1/LS1 | FM-B5V2/LS1 | FM-B5V3/LS1 | FM-B5V4/LS1 | FM-B5V5/LS1 | F-B5T/LS1 |
|  |  |  |  |  |  |
| FM-B5V1/FS3 | FM-B5V2/FS3 | FM-B5V3/FS3 | FM-B5V4/FS3 | FM-B5V5/FS3 | F-B5T/FS3 |
|  |  |  |  |  |  |
| FM-B5V1/LF1 | FM-B5V2/LF1 | FM-B5V3/LF1 | FM-B5V4/LF1 | FM-B5V5/LF1 | F-B5T/LF1 |



| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| FM-B6V1/LS1 | FM-B6V2/LS1 | FM-B6V3/LS1 | FM-B6V4/LS1 | FM-B6V5/LS1 | F-B6T/LS1 |
|  |  |  |  |  |  |
| FM-B6V1/LS8 | FM-B6V2/LS8 | FM-B6V3/LS8 | FM-B6V4/LS8 | FM-B6V5/LS8 | F-B6T/LS8 |
|  |  |  |  |  |  |
| FM-B6V1/FS3 | FM-B6V2/FS3 | FM-B6V3/FS3 | FM-B6V4/FS3 | FM-B6V5/FS3 | F-B6T/FS3 |
|  |  |  |  |  |  |
| FM-B7V1/LS1 | FM-B7V2/LS1 | FM-B7V3/LS1 | FM-B7V4/LS1 | FM-B7V5/LS1 | F-B7T/LS1 |
|  |  |  |  |  |  |
| FM-B8V1/LS1 | FM-B8V2/LS1 | FM-B8V3/LS1 | FM-B8V4/LS1 | FM-B8V5/LS1 | F-B8T/LS1 |
|  |  |  |  |  |  |
| FM-B8V1/FS3 | FM-B8V2/FS3 | FM-B8V3/FS3 | FM-B8V4/FS3 | FM-B8V5/FS3 | F-B8T/FS3 |
|  |  |  |  |  |  |
| FM-B8V1/LF1 | FM-B8V2/LF1 | FM-B8V3/LF1 | FM-B8V4/LF1 | FM-B8V5/LF1 | F-B8T/LF1 |





| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| FM-C3V1/LS1 | FM-C3V2/LS1 | FM-C3V3/LS1 | FM-C3V4/LS1 | FM-C3V5/LS1 | F-C3T/LS1 |
|  |  |  |  |  |  |
| FM-C4V1/LS1 | FM-C4V2/LS1 | FM-C4V3/LS1 | FM-C4V4/LS1 | FM-C4V5/LS1 | F-C4T/LS1 |
|  |  |  |  |  |  |
| FM-C4V1/LS8 | FM-C4V2/LS8 | FM-C4V3/LS8 | FM-C4V4/LS8 | FM-C4V5/LS8 | F-C4T/LS8 |
|  |  |  |  |  |  |
| FM-C4V1/LF1 | FM-C4V2/LF1 | FM-C4V3/LF1 | FM-C4V4/LF1 | FM-C4V5/LF1 | F-C4T/LF1 |
|  |  |  |  |  |  |
| FM-C5V1/LS1 | FM-C5V2/LS1 | FM-C5V3/LS1 | FM-C5V4/LS1 | FM-C5V5/LS1 | F-C5T/LS1 |
|  |  |  |  |  |  |
| FM-C5V1/LS8 | FM-C5V2/LS8 | FM-C5V3/LS8 | FM-C5V4/LS8 | FM-C5V5/LS8 | F-C5T/LS8 |
|  |  |  |  |  |  |
| FM-C5V1/FS3 | FM-C5V2/FS3 | FM-C5V3/FS3 | FM-C5V4/FS3 | FM-C5V5/FS3 | F-C5T/FS3 |
|  |  |  |  |  |  |
| FM-C5V1/LF1 | FM-C5V2/LF1 | FM-C5V3/LF1 | FM-C5V4/LF1 | FM-C5V5/LF1 | F-C5T/LF1 |
|  |  |  |  |  |  |
| FM-C6V1/LS1 | FM-C6V2/LS1 | FM-C6V3/LS1 | FM-C6V4/LS1 | FM-C6V5/LS1 | F-C6T/LS1 |

| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| FM-C7V1/LS1 | FM-C7V2/LS1 | FM-C7V3/LS1 | FM-C7V4/LS1 | FM-C7V5/LS1 | F-C7T/LS1 |
|  |  |  |  |  |  |
| FM-C7V1/LF1 | FM-C7V2/LF1 | FM-C7V3/LF1 | FM-C7V4/LF1 | FM-C7V5/LF1 | F-C7T/LF1 |
|  |  |  |  |  |  |
| FM-C8V1/LS1 | FM-C8V2/LS1 | FM-C8V3/LS1 | FM-C8V4/LS1 | FM-C8V5/LS1 | F-C8T/LS1 |


Finger Module



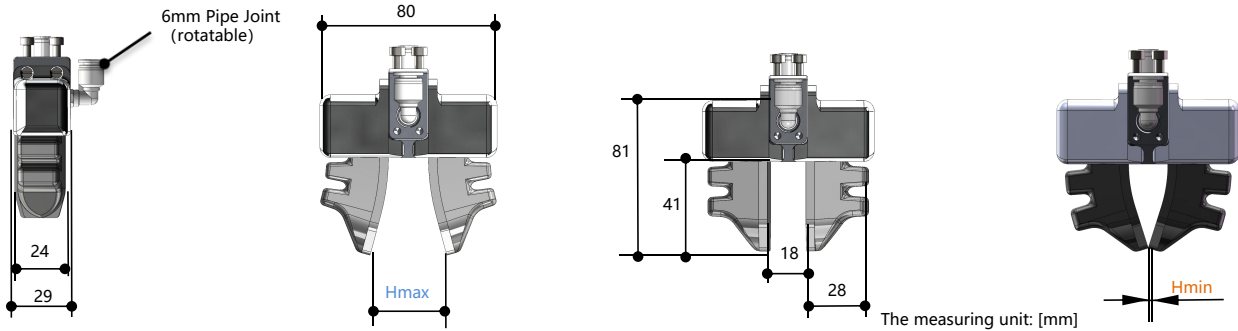
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------|
| FM-A3V1/LS1[P] | | FM-A3V1/LS1[PAS] | | | FM-A3V1/LS1[H] | | FM-A3V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 1 | 34 |  120 |  700 | 153 | 1 | 32 |  300 |  940 | 153 |

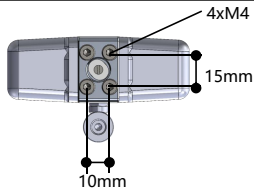
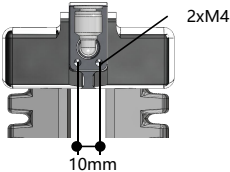
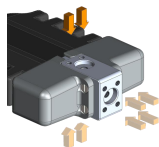
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

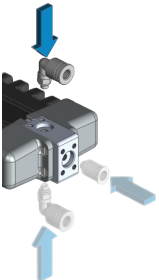
Finger Module



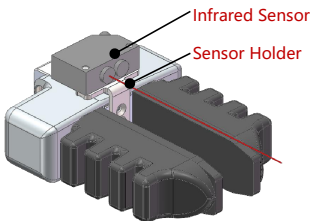
Fixation



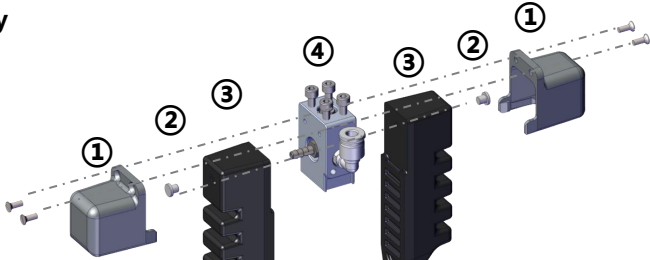
Air Intake



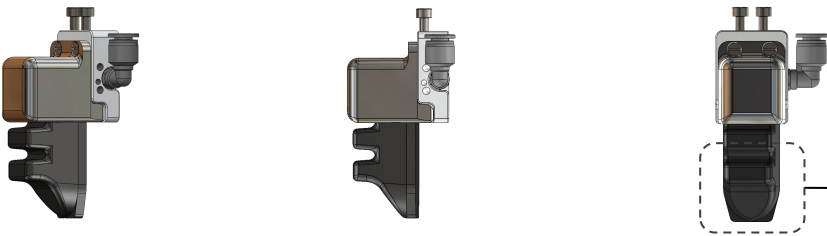
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

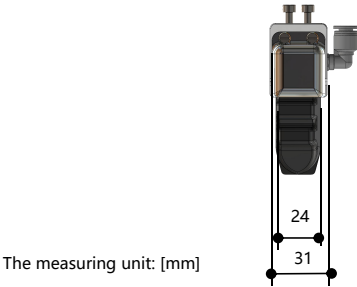
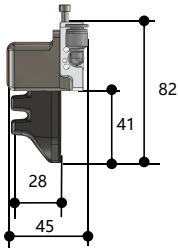
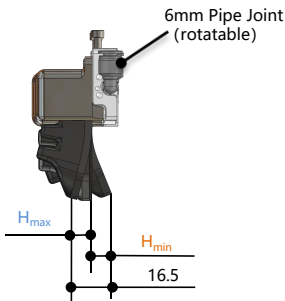


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A3V2/LS1[P] | | FM-A3V2/LS1[PAS] | | | FM-A3V2/LS1[H] | | FM-A3V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 |  120 |  350 | 92 | 8.5 | 7 |  300 |  470 | 92 |

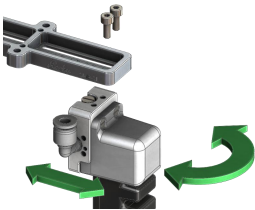
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

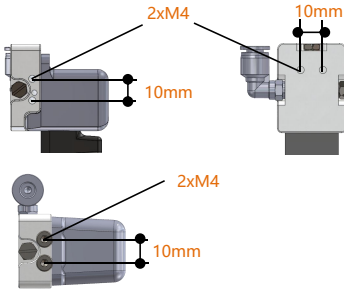
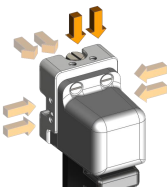


The measuring unit: [mm]

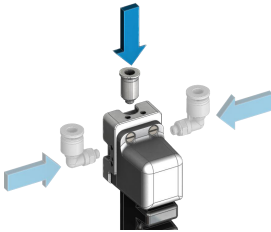
Pose Adjustment



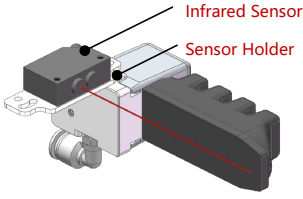
Fixation



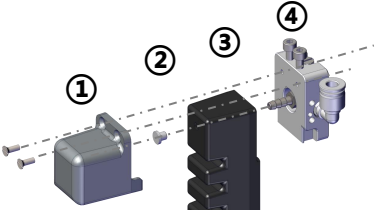
Air Intake



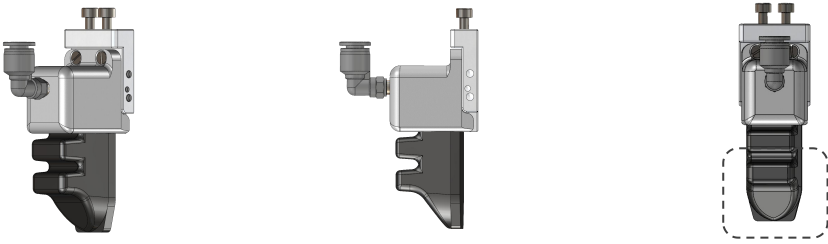
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

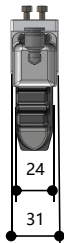
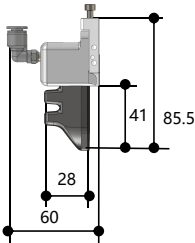
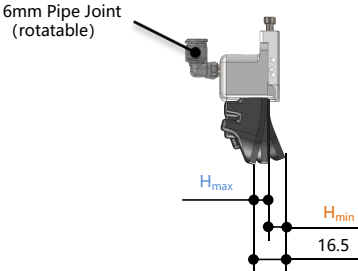


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A3V3/LS1[P] | | FM-A3V3/LS1[PAS] | | | FM-A3V3/LS1[H] | | FM-A3V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 |  120 |  350 | 77 | 8.5 | 7 |  300 |  470 | 77 |

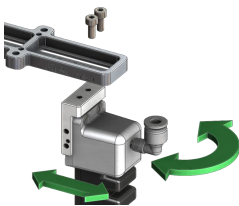
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

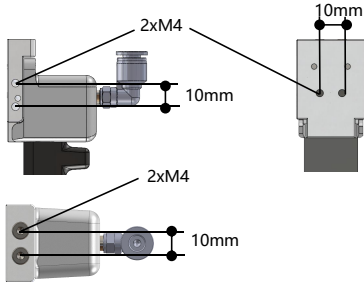
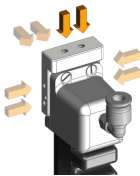


The measuring unit: [mm]

Pose Adjustment



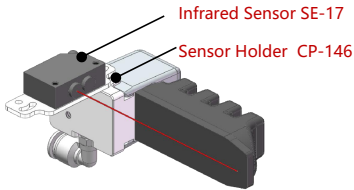
Fixation



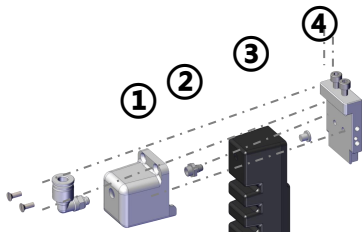
Air Intake



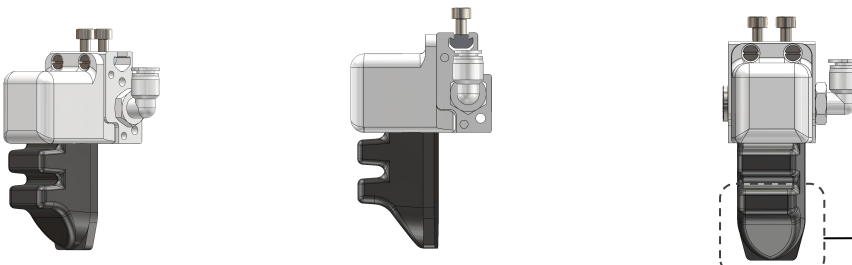
Sensor Installation

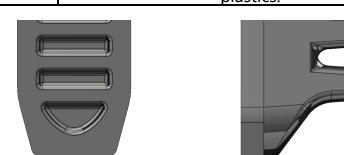






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  | |

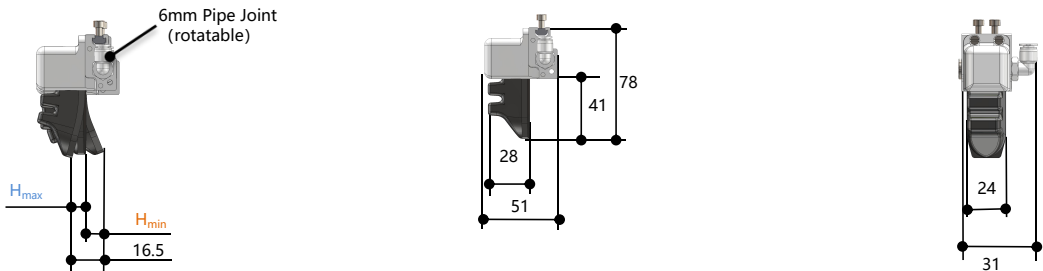
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|--|---|---|---|---|------------|--|
| FM-A3V4/LS1[P] | | | FM-A3V4/LS1[PAS] | | | FM-A3V4/LS1[H] | | | FM-A3V4/LS1[HAS] | | |
| Finger color: Black | | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 8.5 | 8 |  120 |  350 | 97 | | 8.5 | 7 |  300 |  470 | 97 | |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

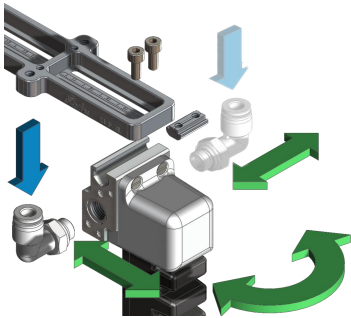


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

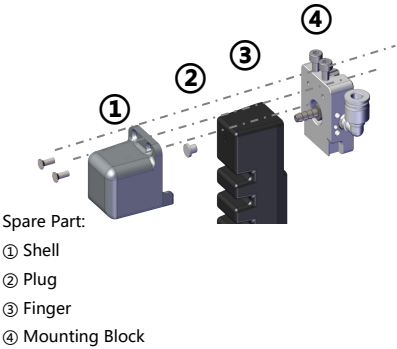


The measuring unit: [mm]

Air Intake & Pose Adjustment

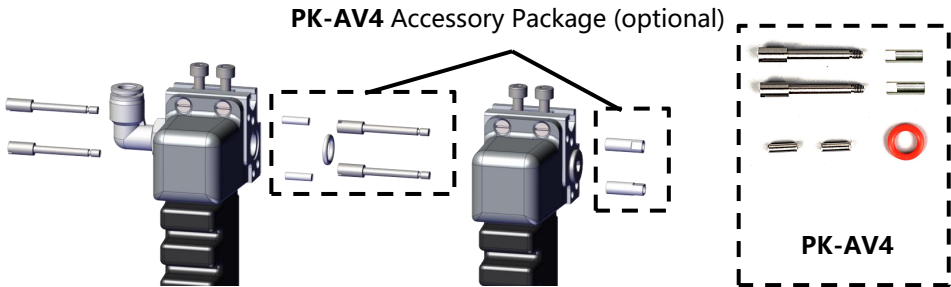


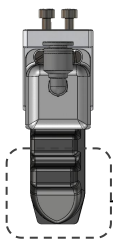
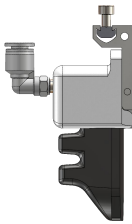
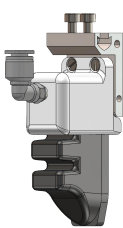
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





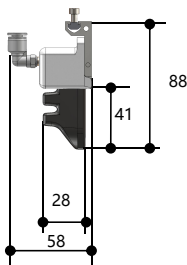
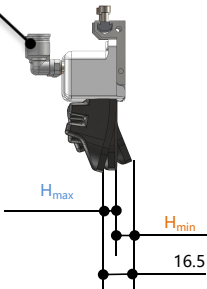
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|--|---|---|---|---|------------|--|
| FM-A3V5/LS1[P] | | | FM-A3V5/LS1[PAS] | | | FM-A3V5/LS1[H] | | | FM-A3V5/LS1[HAS] | | |
| Finger color: Black | | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 8.5 | 8 |  120 |  350 | 76 | | 8.5 | 7 |  300 |  470 | 76 | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

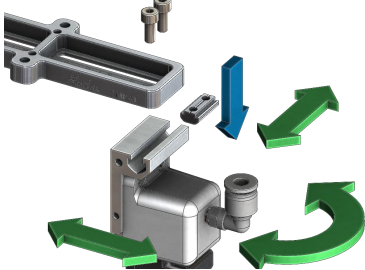
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint
(rotatable)

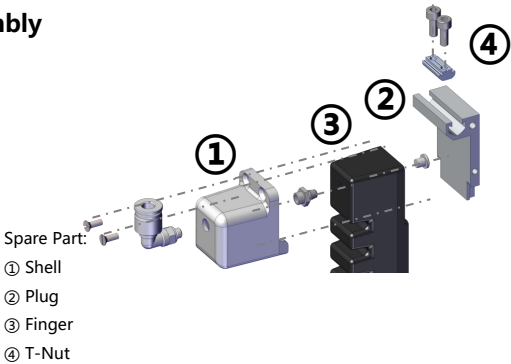


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

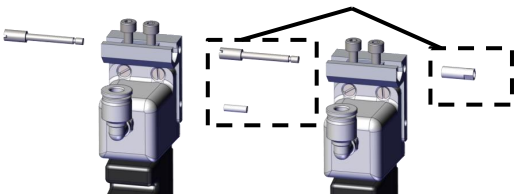


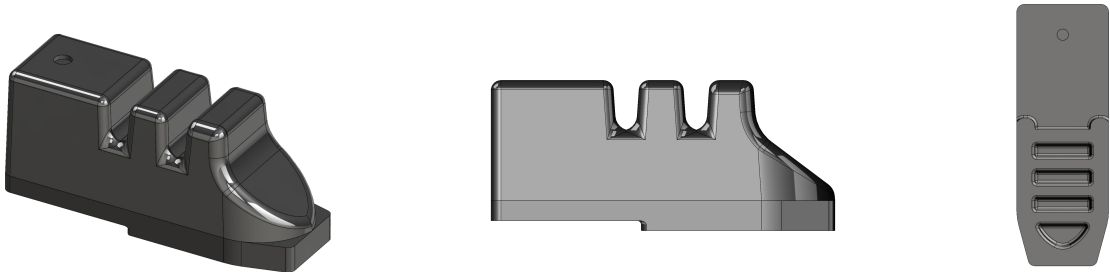
Series combination:

1. Build multiple finger modules in series to increase the grip force.
2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.

*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

PK-AV5 Accessory Package (optional)





| Finger Pattern | | | Features | | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---------------------------------|------------|--|
| LS1 | Standard form | | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | |
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
| F-A3T/LS1[P] | | | F-A3T/LS1[PAS] | | | F-A3T/LS1[H] | | F-A3T/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 8.5 | 8 | ⚠️ 120 | 📏 350 | 33 | 8.5 | 7 | ⚠️ 300 | 📏 470 | 33 | |

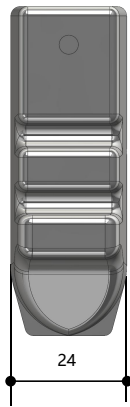
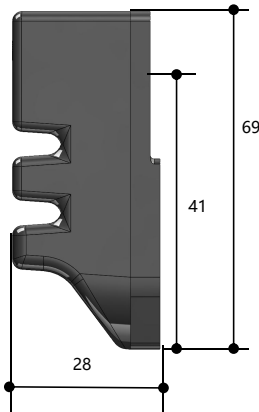
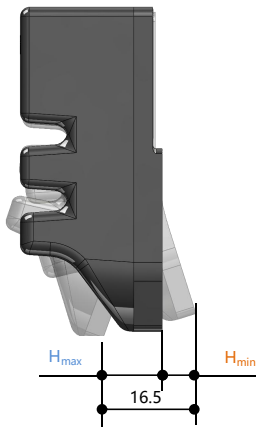


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



Finger Module

| Finger Pattern | |
|----------------|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---------------------------------|--------------------|---|---|---------------------|---------------------------------|------------|
| FM-A3V1/LS8[P] | | FM-A3V1/LS8[PAS] | | FM-A3V1/LS8[H] | | FM-A3V1/LS8[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 1 | 34 | ⚠ 120 | 📏 700 | 153 | 1 | 32 | ⚠ 300 | 📏 940 | 153 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

The measuring unit: [mm]

Fixation

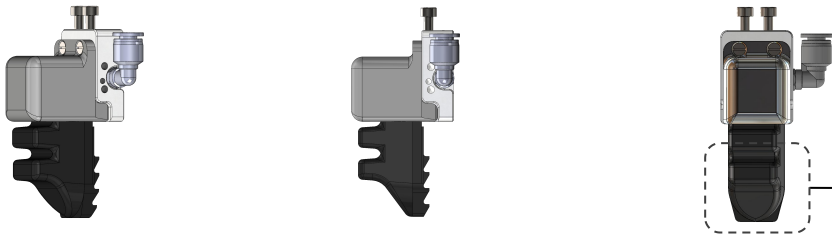
Air Intake

Sensor Installation





Assembly

Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

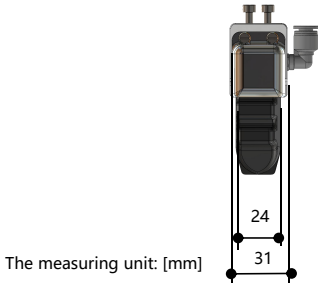
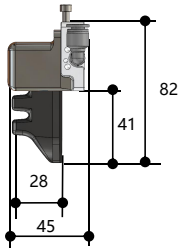
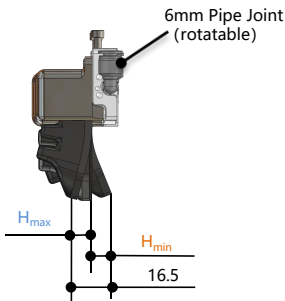


| Finger Pattern | |
|----------------|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
| | |

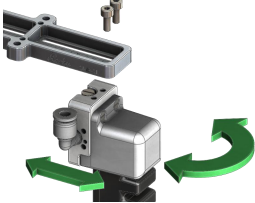
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A3V2/LS8[P] | | FM-A3V2/LS8[PAS] | | | FM-A3V2/LS8[H] | | FM-A3V2/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 |  120 |  350 | 92 | 8.5 | 7 |  300 |  470 | 92 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

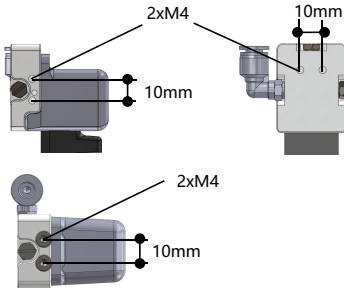
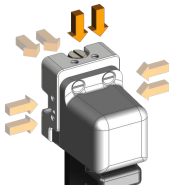
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



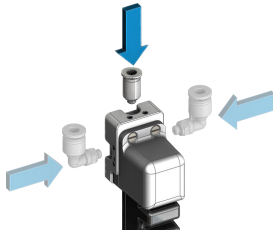
Pose Adjustment



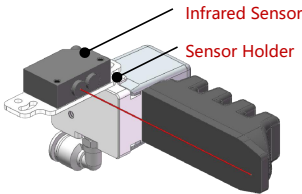
Fixation



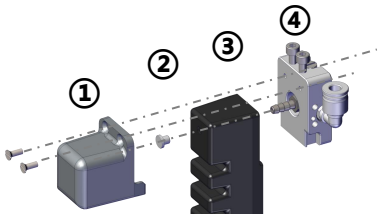
Air Intake



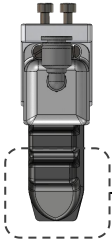
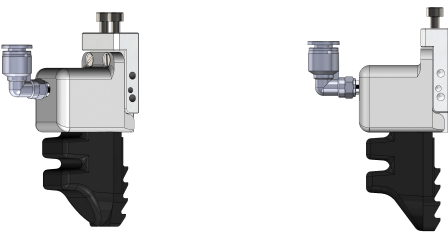
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



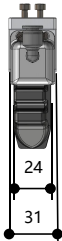
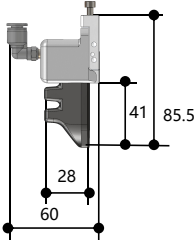
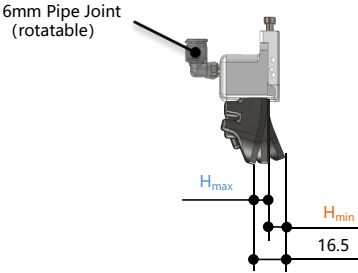
| Finger Pattern | |
|----------------|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---|---|--------------------|---|---|---|---|---------------|
| FM-A3V3/LS8[P] | | FM-A3V3/LS8[PAS] | | FM-A3V3/LS8[H] | | FM-A3V3/LS8[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 |  120 |  350 | 77 | 8.5 | 7 |  300 |  470 | 77 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

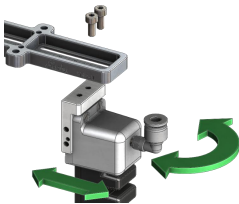
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

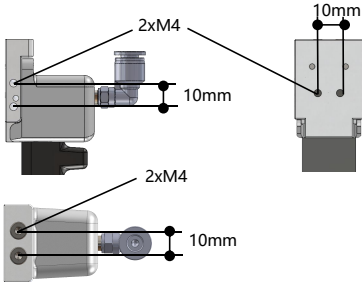
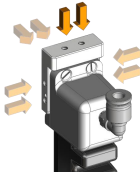


The measuring unit: [mm]

Pose Adjustment



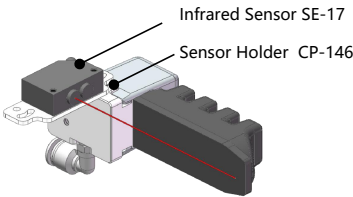
Fixation



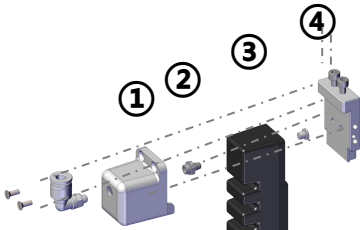
Air Intake



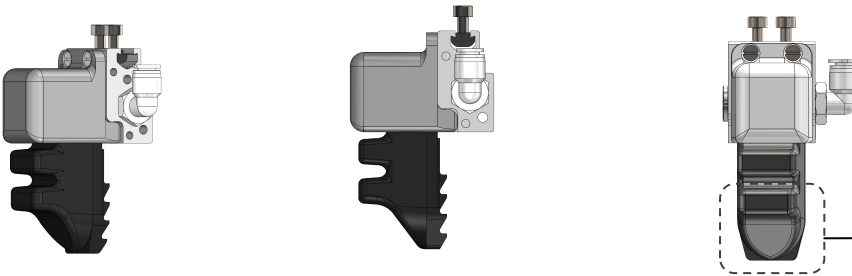
Sensor Installation








Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
|  | |

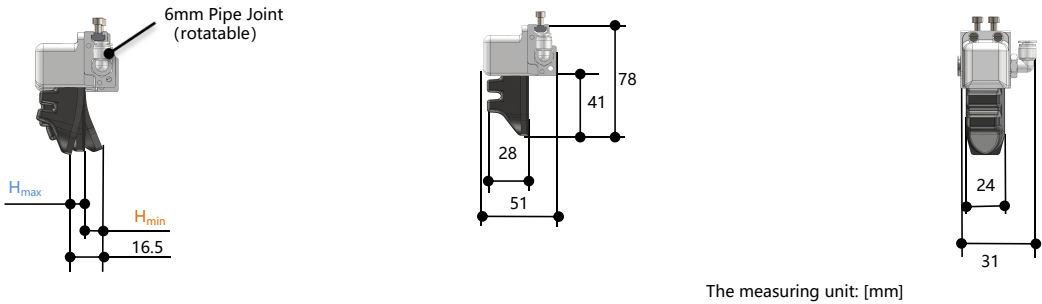
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|--|---|---|---|---|------------|--|
| FM-A3V4/LS8[P] | | | FM-A3V4/LS8[PAS] | | | FM-A3V4/LS8[H] | | | FM-A3V4/LS8[HAS] | | |
| Finger color: Black | | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 8.5 | 8 |  120 |  350 | 97 | | 8.5 | 7 |  300 |  470 | 97 | |



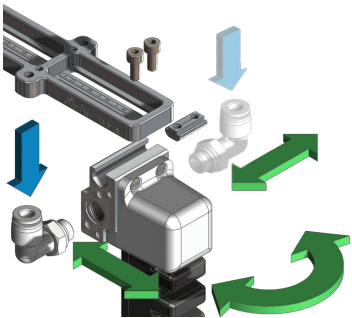
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



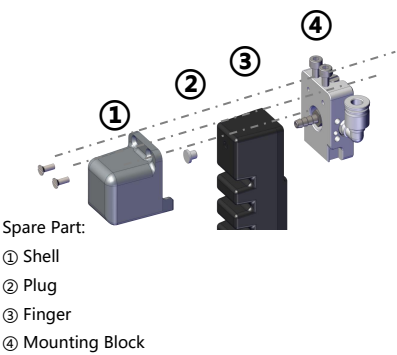
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

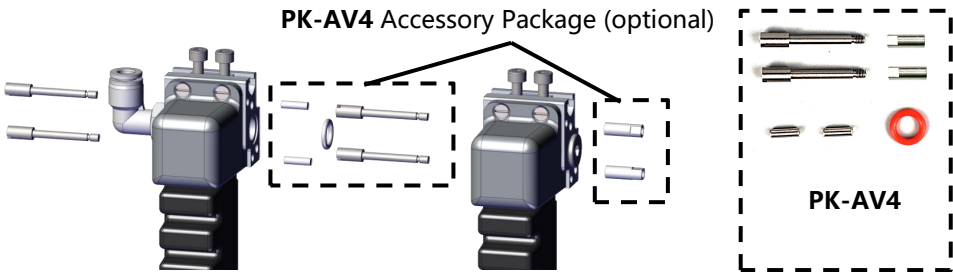


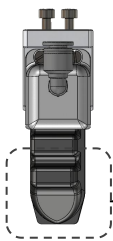
Assembly




Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. The finger module has the function of confluence, realizing the seamless splicing between fingers. It can drive multiple fingers to move at the same time with only one air pipe (sharing the air inlet) to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





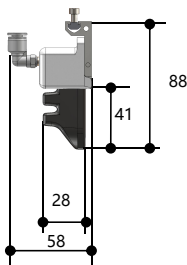
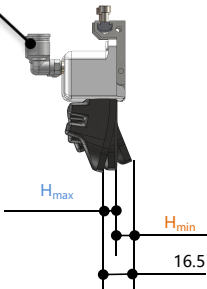
| Finger Pattern | |
|----------------|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---|------------|--|---|---|---------------------|---|------------|--|
| FM-A3V5/LS8[P] | | | FM-A3V5/LS8[PAS] | | | FM-A3V5/LS8[H] | | | FM-A3V5/LS8[HAS] | | |
| Finger color: Black | | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 8.5 | 8 | ⚠ 120 |  350 | 76 | | 8.5 | 7 | ⚠ 300 |  470 | 76 | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

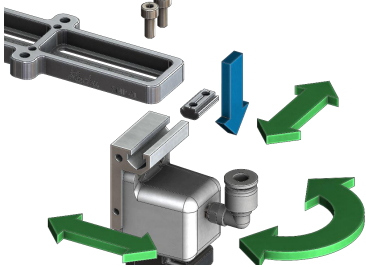
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint (rotatable)

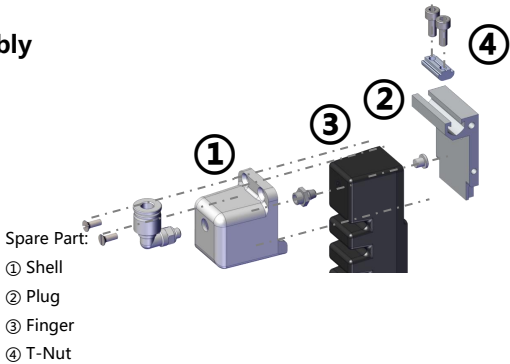


The measuring unit: [mm]

Air Intake & Pose Adjustment

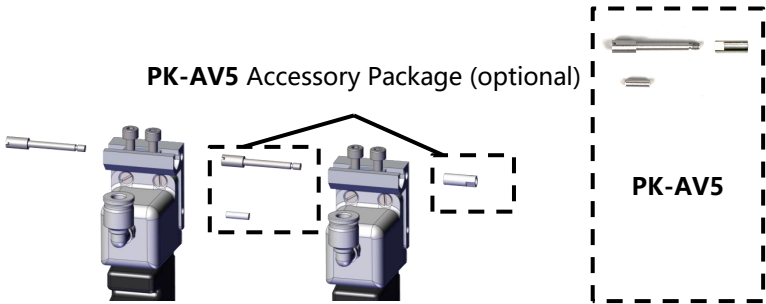


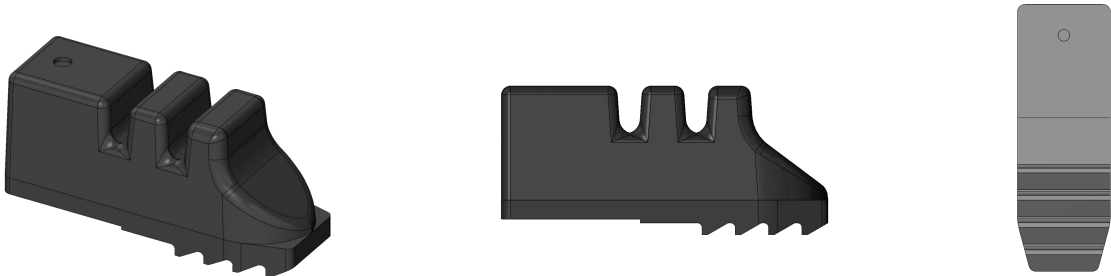
Assembly





Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | | Features | | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|------------|--|
| LS8 | Special Form | | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. | | | | | | | |
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
| F-A3T/LS8[P] | | | F-A3T/LS8[PAS] | | | F-A3T/LS8[H] | | F-A3T/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 8.5 | 8 | ⚠ 120 |  350 | 33 | 8.5 | 7 | ⚠ 300 |  470 | 33 | |

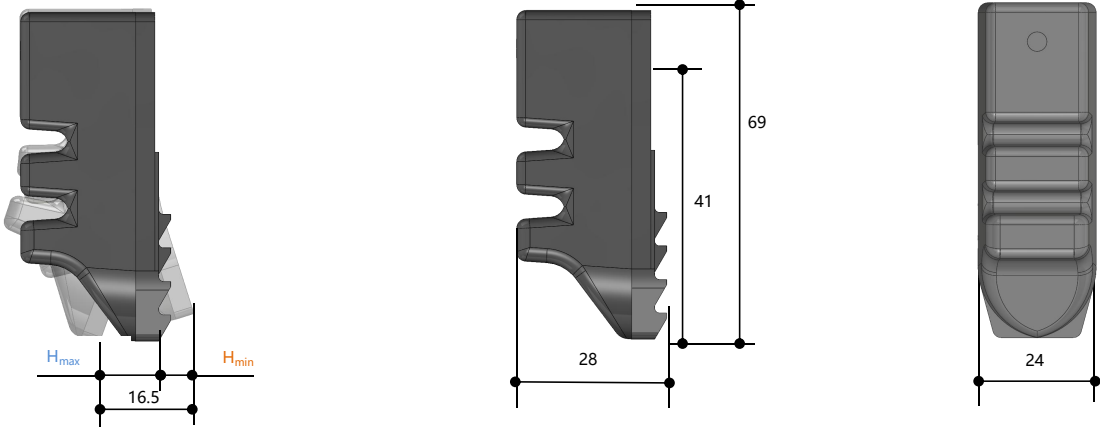


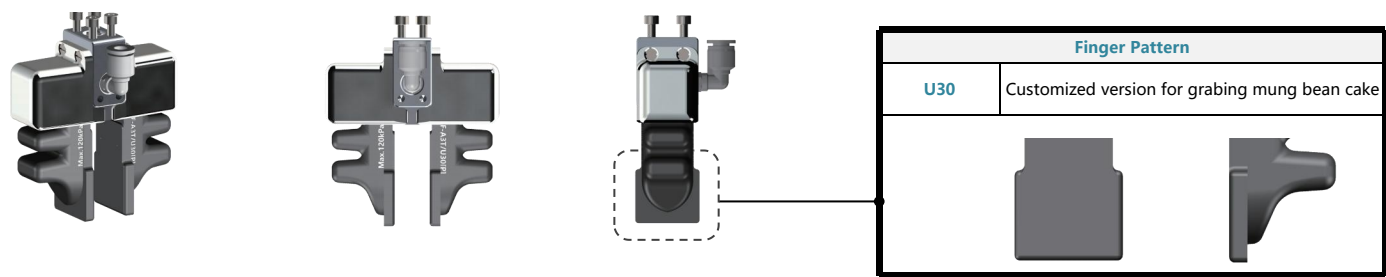
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters

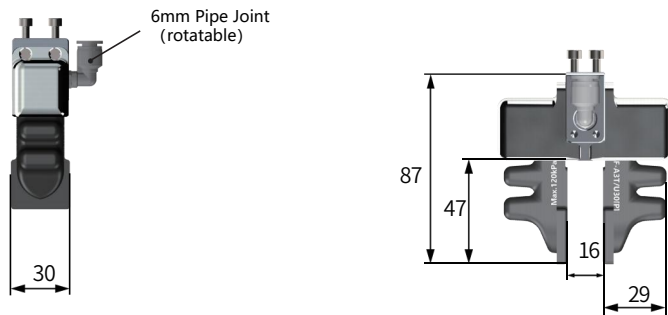




| | | | |
|---|------------------------------------|---------------------------|---|
| Normal Material | | Dust-free Normal Material | |
| FM-A3V1/U30[H] | | FM-A3V1/U30[HAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 700 | |  153 |

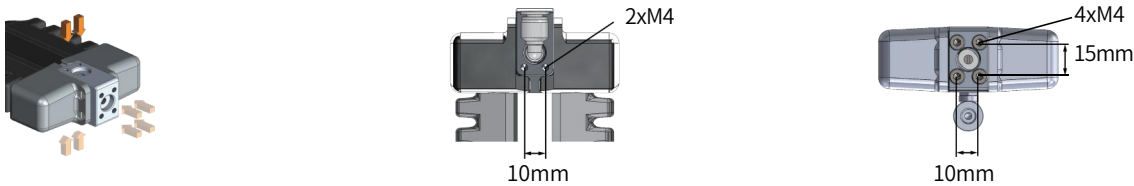
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

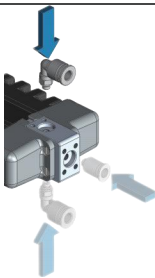


The measuring unit: [mm]

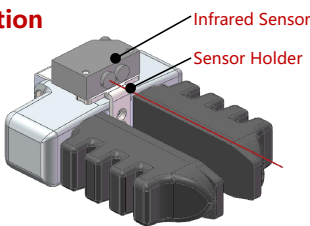
Fixation



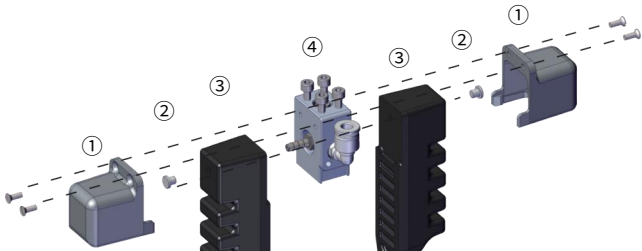
Air Intake



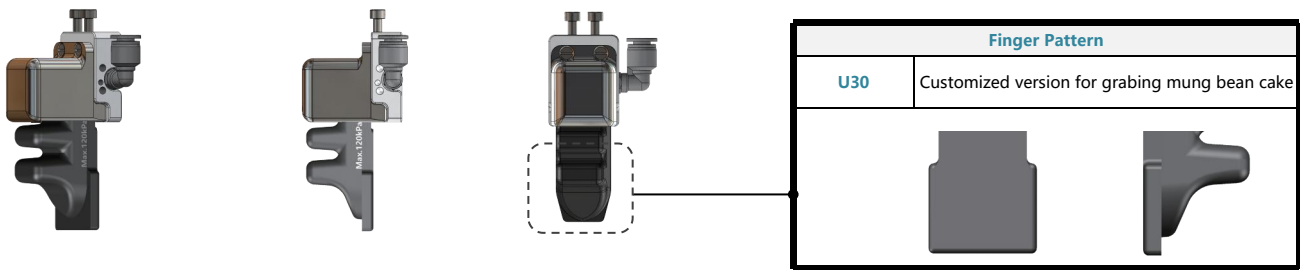
Sensor Installation



Assembly



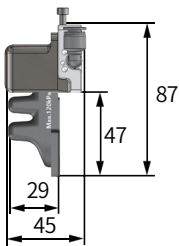
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Normal Material | | Dust-free Normal Material | |
|---|------------------------------------|---------------------------|--|
| FM-A3V2/U30[H] | | FM-A3V2/U30[HAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 350 | |  92 |

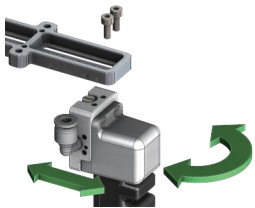
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

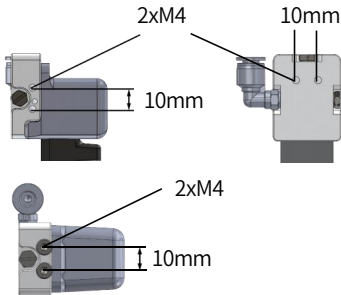
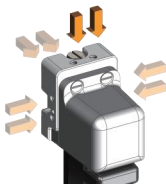


The measuring unit: [mm]

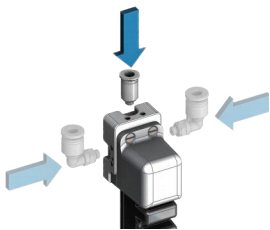
Pose Adjustment



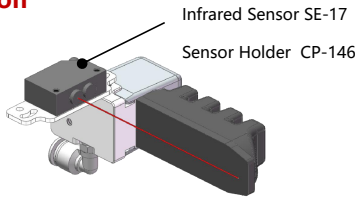
Fixation



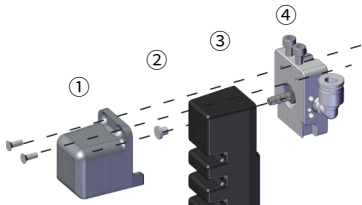
Air Intake



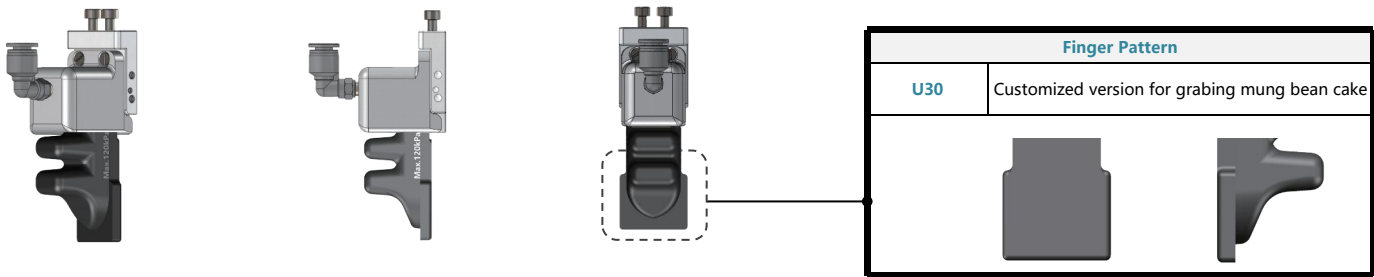
Sensor Installation




Assembly



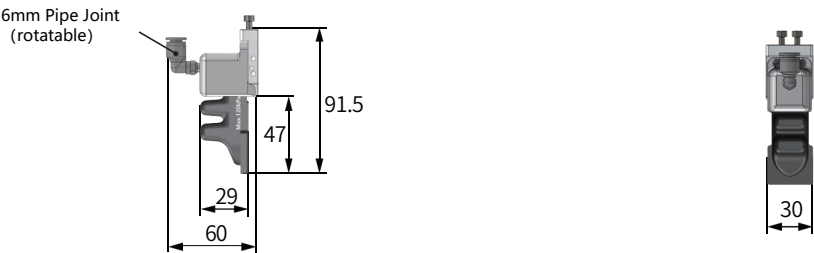
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| | | | |
|---|------------------------------------|---------------------------|--|
| Normal Material | | Dust-free Normal Material | |
| FM-A3V3/U30[H] | | FM-A3V3/U30[HAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 350 | |  77 |

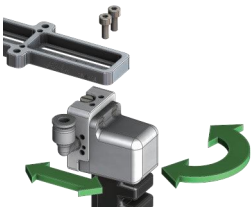
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

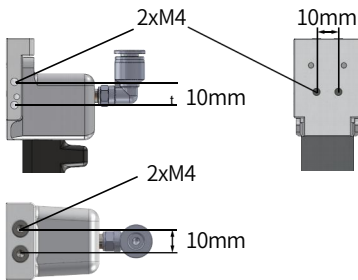
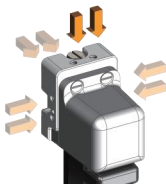


The measuring unit: [mm]

Pose Adjustment



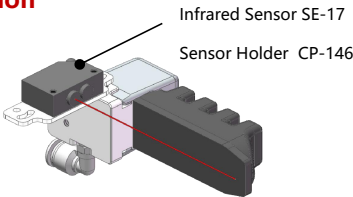
Fixation



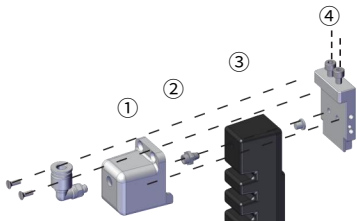
Air Intake



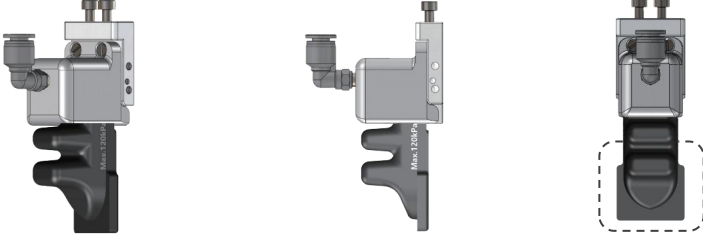
Sensor Installation






Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|--|
| U30 | Customized version for grabbing mung bean cake |
|  | |

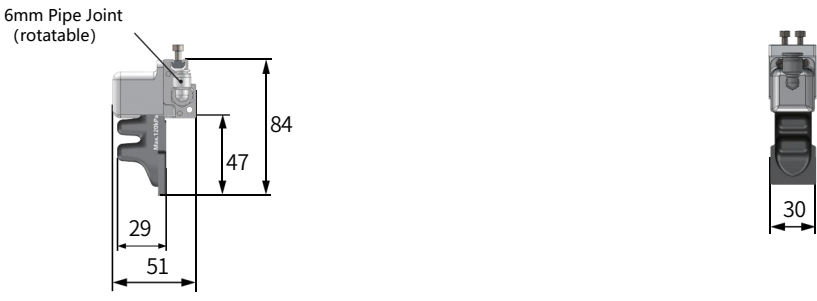
| Normal Material | | Dust-free Normal Material |
|---|---------------------------------|--|
| FM-A3V4/U30[H] | | FM-A3V4/U30[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 350 |  97 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

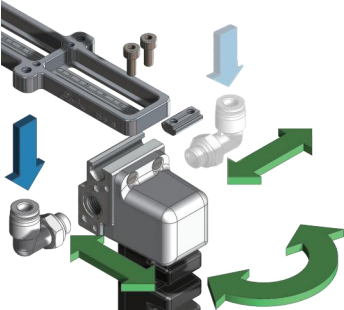


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

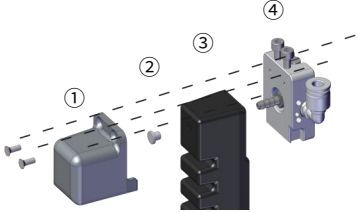


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly



Spare Part:

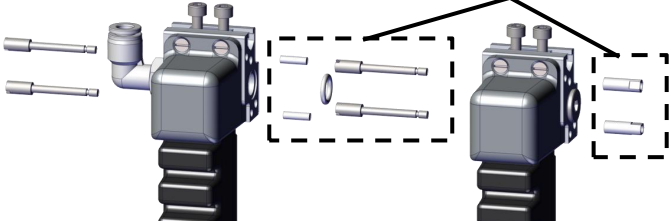
- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

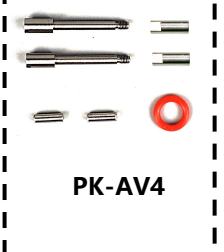
Series combination:

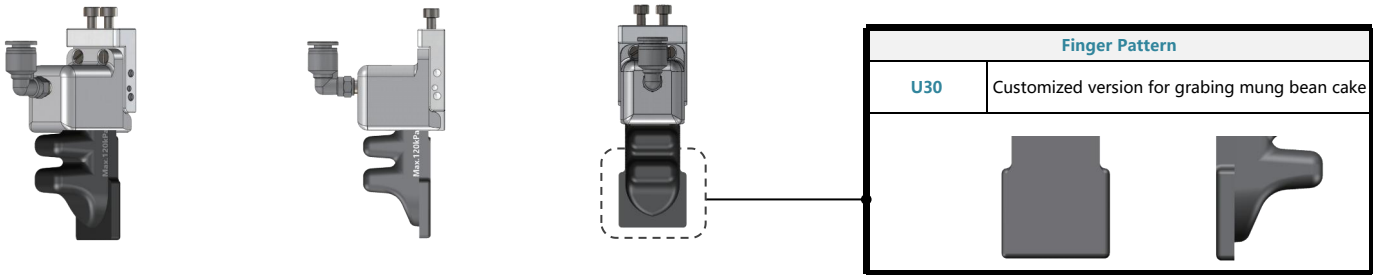
1. Build multiple finger modules in series to increase the grip force.

2. The finger module has the function of confluence, realizing the seamless splicing between fingers. It can drive multiple fingers to move at the same time with only one air pipe (sharing the air inlet) to save space.

*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.







| | | | |
|---|------------------------------------|---------------------------|--|
| Normal Material | | Dust-free Normal Material | |
| FM-A3V5/U30[H] | | FM-A3V5/U30[HAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 350 | |  76 |

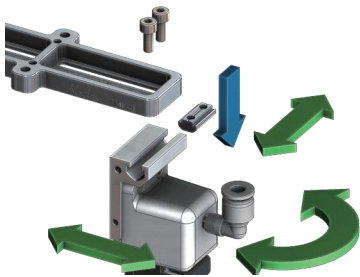
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



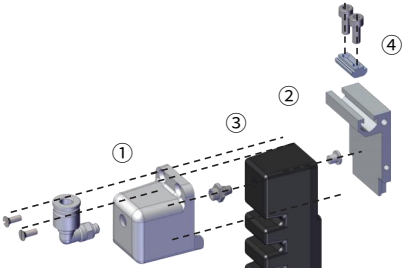
The measuring unit: [mm]

Air Intake & Pose Adjustment



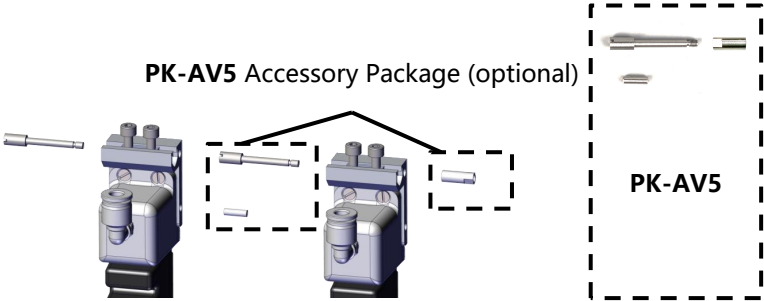
Assembly

- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ T-Nut






Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



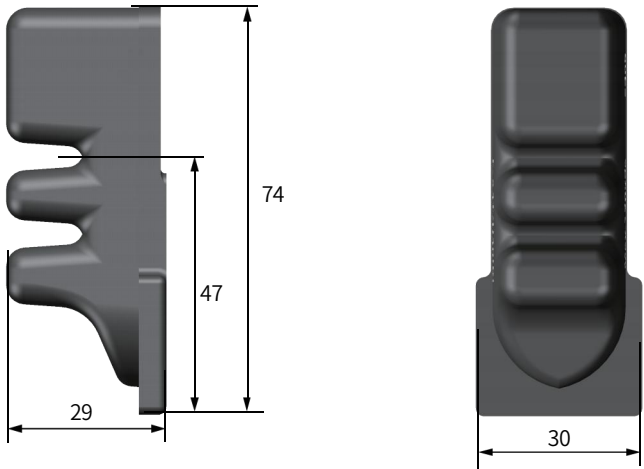


| Finger Pattern | | Features |
|---|------------------------------------|--|
| U30 | Special Form | Customized version for grabbing mung bean cake |
| Normal Material | | Dust-free Normal Material |
| F-A3T/U30 [H] | | F-A3T/U30[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 350 |  33 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

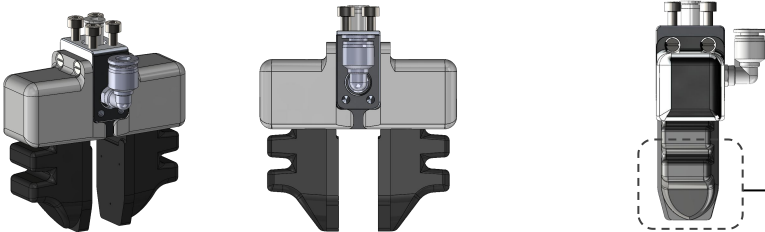
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



The measuring unit: [mm]

Finger Module



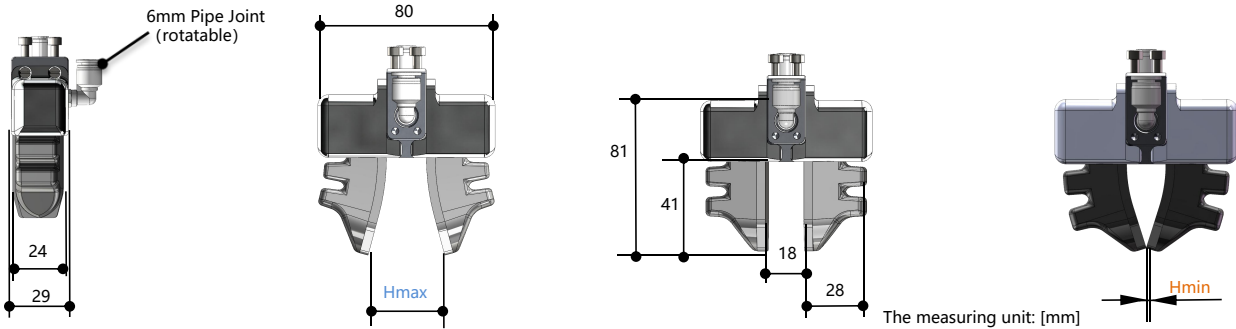
| Finger Pattern | |
|----------------|--|
| LF1 | Suitable for smooth dry workpieces and soft food |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|------------------------|---------------------------------------|---------------|---|---|------------------------|---------------------------------------|---------------------------|--|--|
| FM-A3V1/LF1[P] | | | FM-A3V1/LF1[PAS] | | | FM-A3V1/LF1[H] | | | FM-A3V1/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 1 | 34 | ⚠ 120 | 📏 700 | 153 | 1 | 32 | ⚠ 300 | 📏 940 | 153 | | |

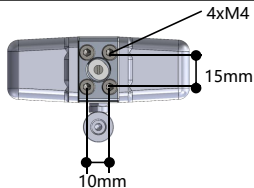
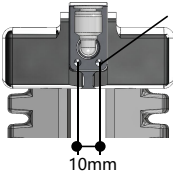
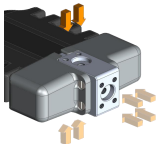
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

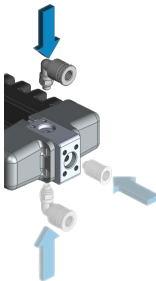
Finger Module



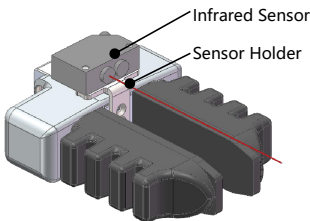
Fixation



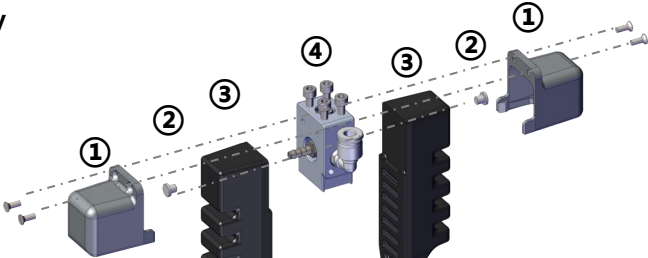
Air Intake



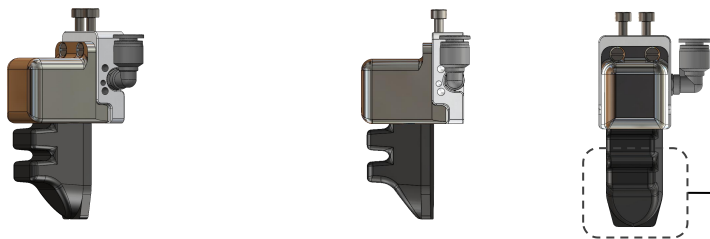
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

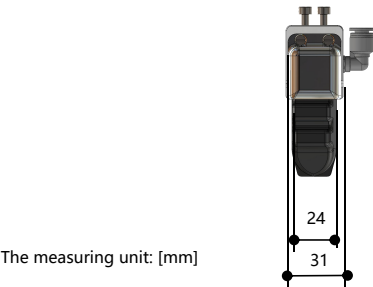
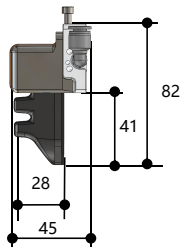
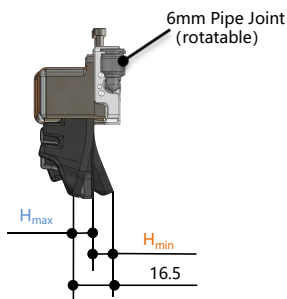


| Finger Pattern | |
|----------------|--|
| LF1 | Suitable for smooth dry workpieces and soft food |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A3V2/LF1[P] | | FM-A3V2/LF1[PAS] | | | FM-A3V2/LF1[H] | | FM-A3V2/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 |  120 |  350 | 92 | 8.5 | 7 |  300 |  470 | 92 |

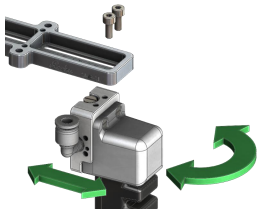
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

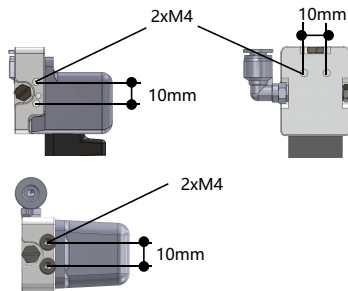
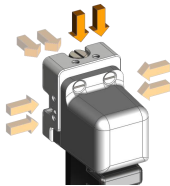


The measuring unit: [mm]

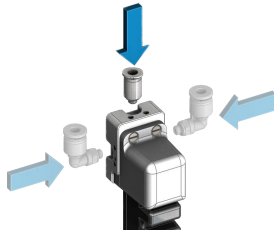
Pose Adjustment



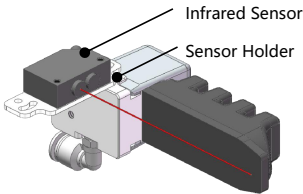
Fixation



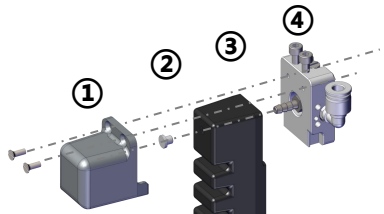
Air Intake



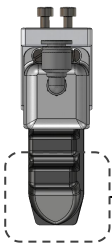
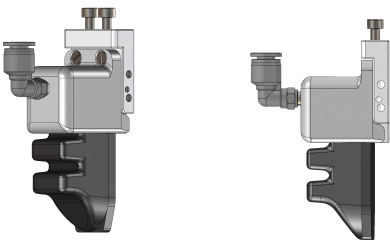
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



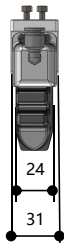
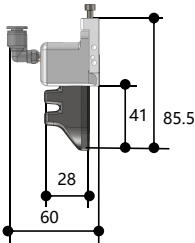
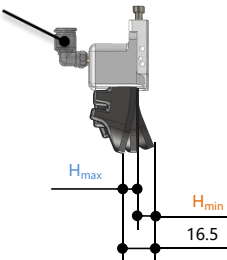
| Finger Pattern | |
|----------------|--|
| LF1 | Suitable for smooth dry workpieces and soft food |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A3V3/LF1[P] | | FM-A3V3/LF1[PAS] | | | FM-A3V3/LF1[H] | | FM-A3V3/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 |  120 |  350 | 77 | 8.5 | 7 |  300 |  470 | 77 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

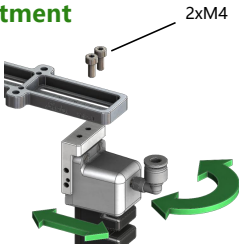
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint (rotatable)

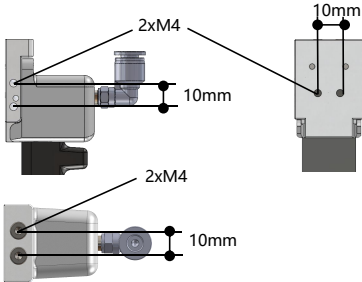
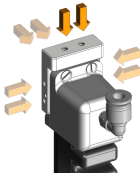


The measuring unit: [mm]

Pose Adjustment



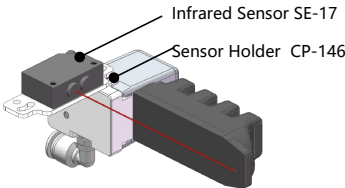
Fixation



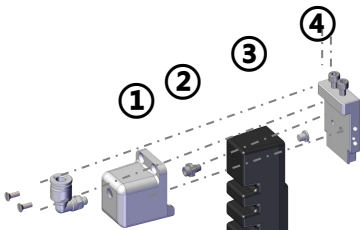
Air Intake



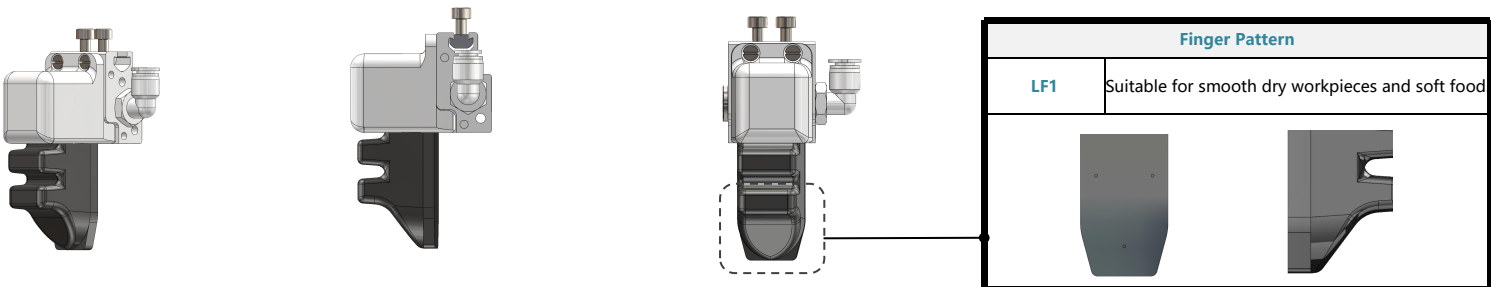
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

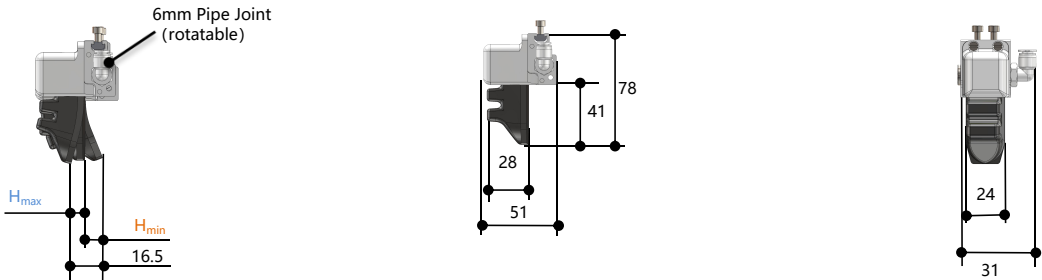


| Finger Pattern | |
|----------------|--|
| LF1 | Suitable for smooth dry workpieces and soft food |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A3V4/LF1[P] | | FM-A3V4/LF1[PAS] | | | FM-A3V4/LF1[H] | | FM-A3V4/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 |  120 |  350 | 97 | 8.5 | 7 |  300 |  470 | 97 |

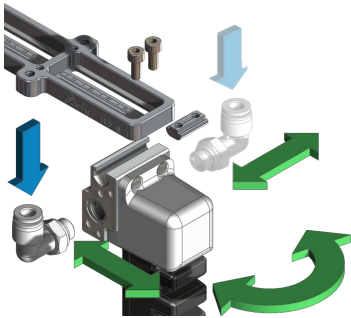
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

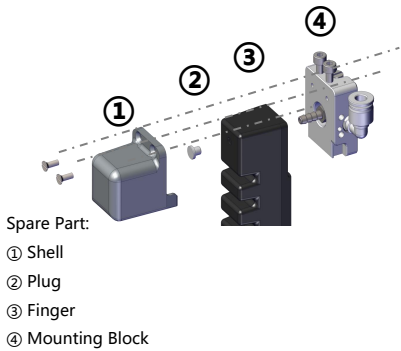


The measuring unit: [mm]

Air Intake & Pose Adjustment

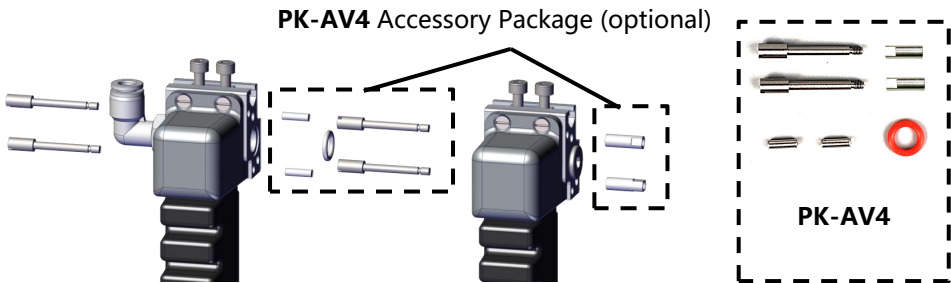


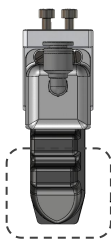
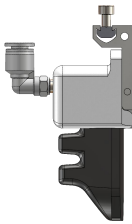
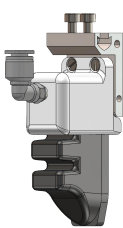
Assembly






Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





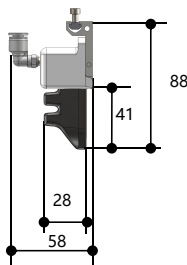
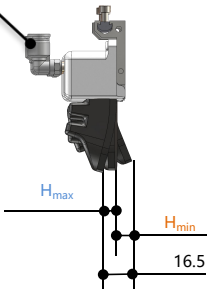
| Finger Pattern | |
|----------------|--|
| LF1 | Suitable for smooth dry workpieces and soft food |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A3V5/LF1[P] | | FM-A3V5/LF1[PAS] | | | FM-A3V5/LF1[H] | | FM-A3V5/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 |  120 |  350 | 76 | 8.5 | 7 |  300 |  470 | 76 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

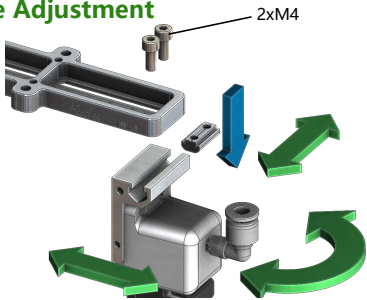
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint
(rotatable)

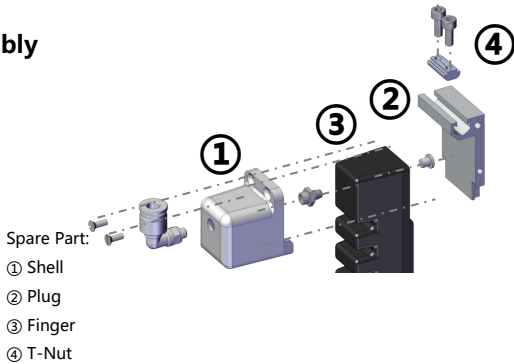


The measuring unit: [mm]

Air Intake & Pose Adjustment



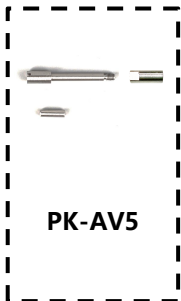
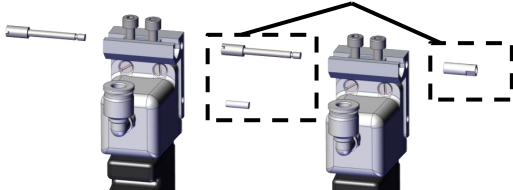
Assembly

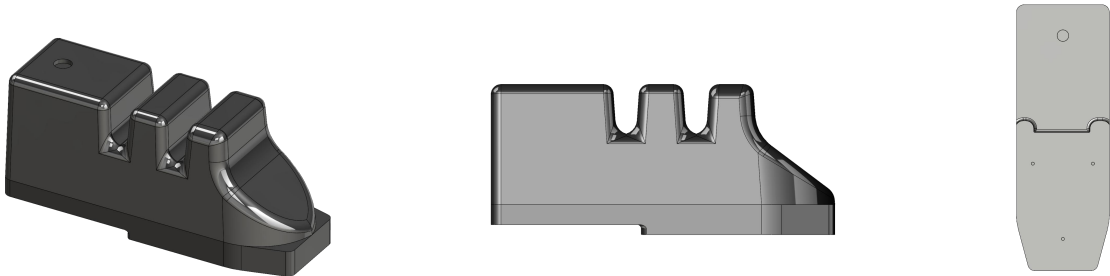


Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

PK-AV5 Accessory Package (optional)





| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---|---------------------------------|------------|
| LF1 | Special Form | | Suitable for smooth dry workpieces and soft food. | | | | | | |
| Normal Material F-A3T/LF1[P] | | | Dust-free Normal Material F-A3T/LF1[PAS] | | Strong Material F-A3T/LF1[H] | | Dust-free Strong Material F-A3T/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 8.5 | 8 | ⚠️ 120 | 📦 350 | 33 | 8.5 | 7 | ⚠️ 300 | 📦 470 | 33 |

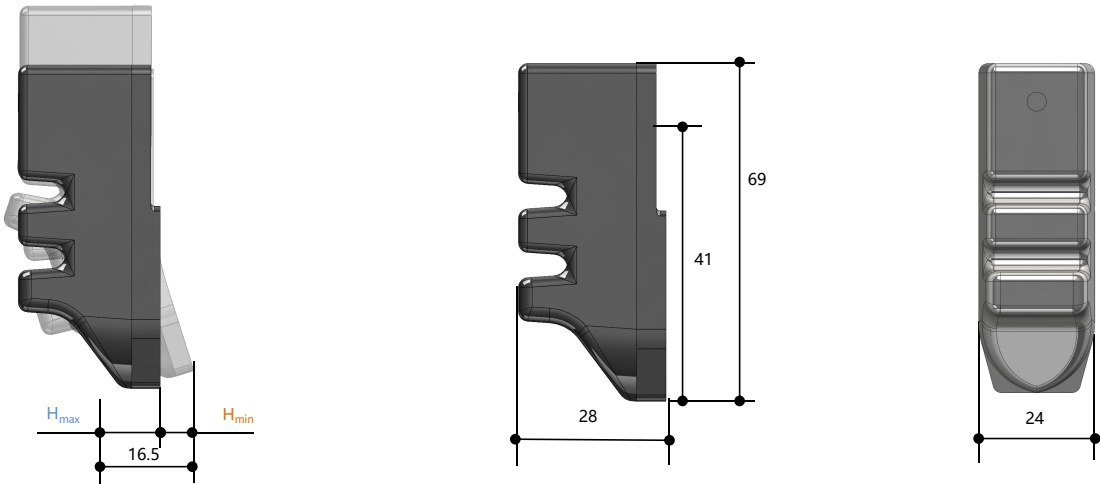


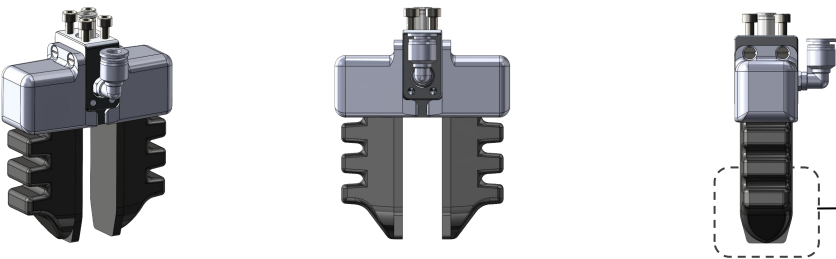
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

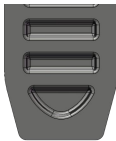





The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Dimension Parameters






| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

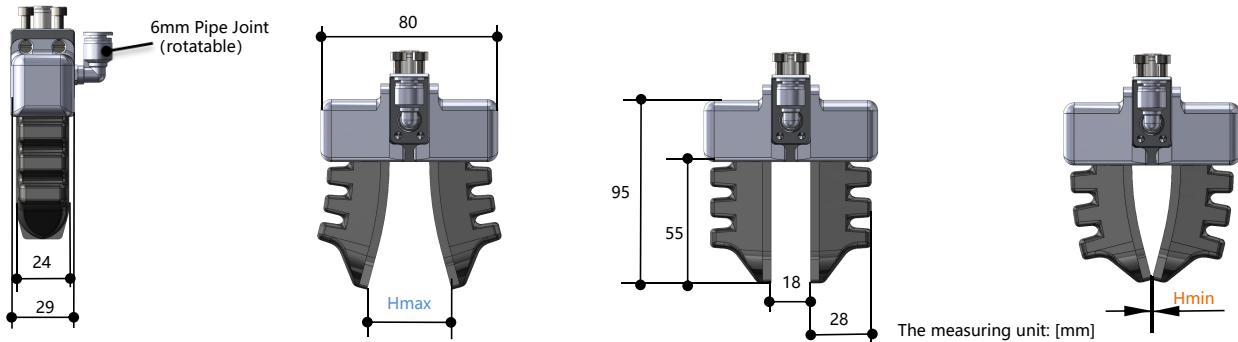
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A4V1/LS1[P] | | FM-A4V1/LS1[PAS] | | FM-A4V1/LS1[H] | | FM-A4V1/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 38 | ⚠️ 120 |  680 | 167 | 0 | 42 | ⚠️ 300 |  980 | 167 |



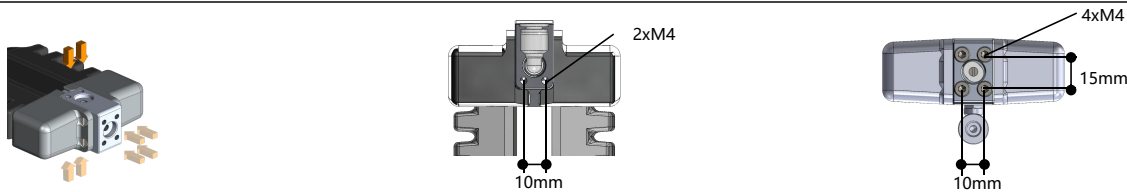
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



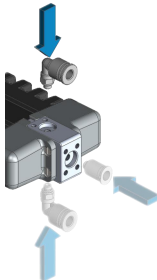
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



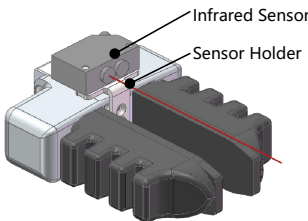
Fixation



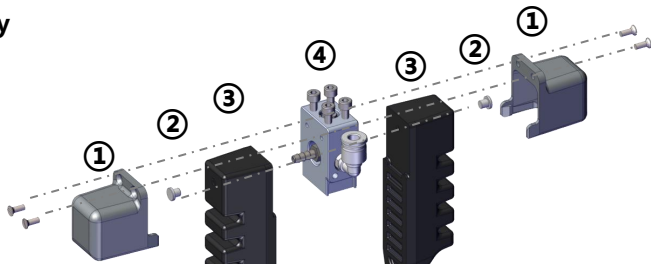
Air Intake



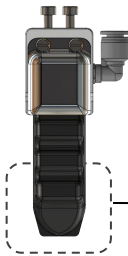
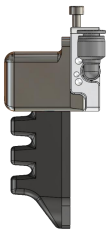
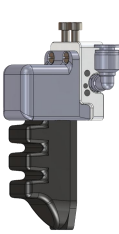
Sensor Installation









Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

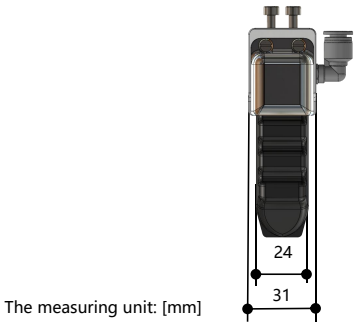
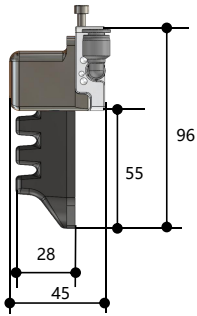
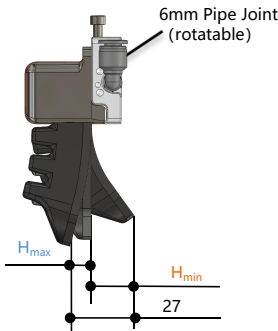


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A4V2/LS1[P] | | | FM-A4V2/LS1[PAS] | | FM-A4V2/LS1[H] | | | FM-A4V2/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 |  120 |  340 | 99 | 17 | 12 |  300 |  490 | 99 |

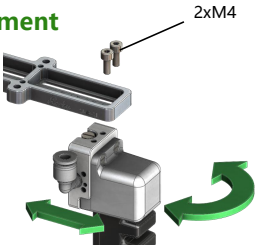
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

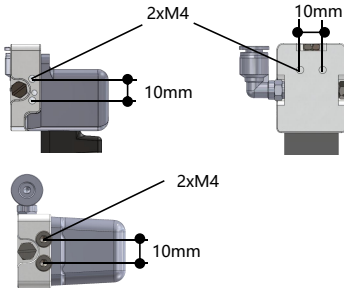
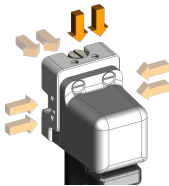


The measuring unit: [mm]

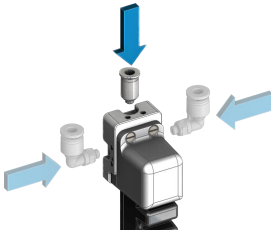
Pose Adjustment



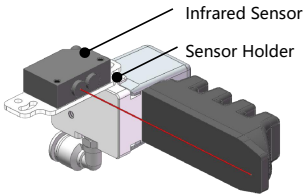
Fixation



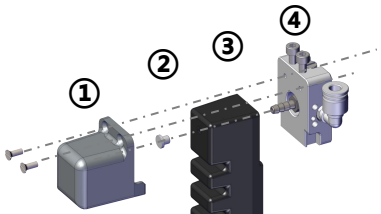
Air Intake



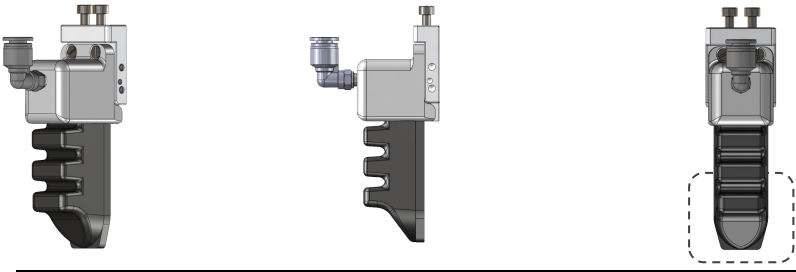
Sensor Installation



Assembly








- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



Finger Pattern

| | |
|-----|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|-----|---|



| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A4V3/LS1[P] | | FM-A4V3/LS1[PAS] | | | FM-A4V3/LS1[H] | | FM-A4V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 |  120 |  340 | 84 | 17 | 12 |  300 |  490 | 84 |

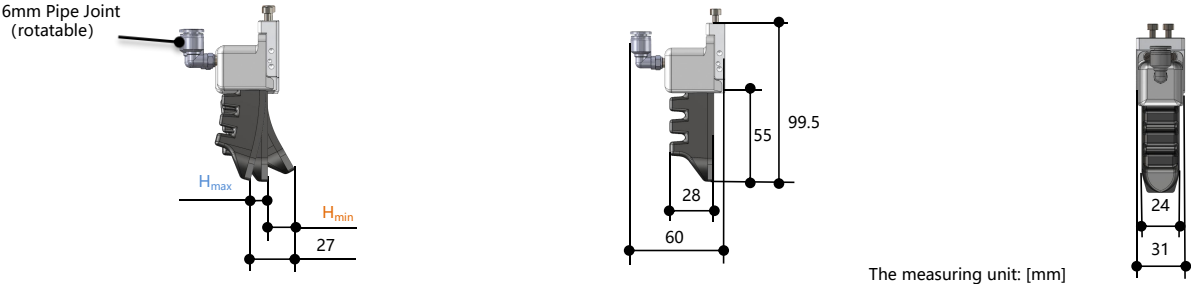


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

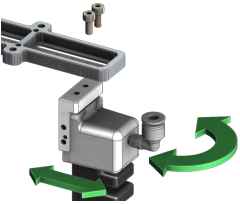


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

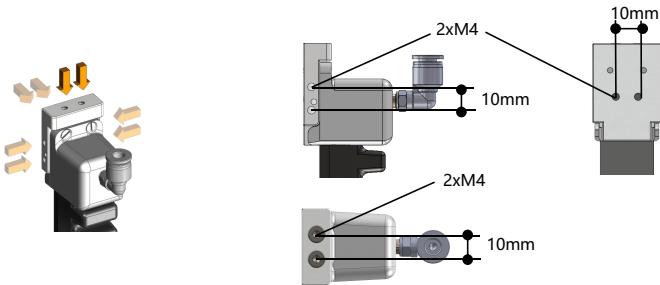
Finger Module



Pose Adjustment



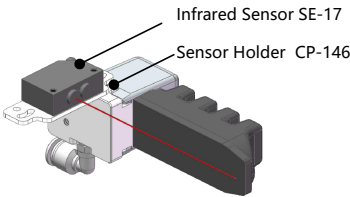
Fixation



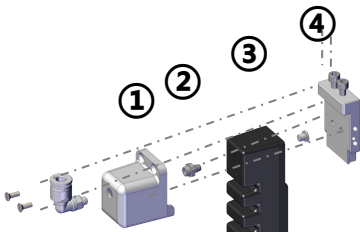
Air Intake



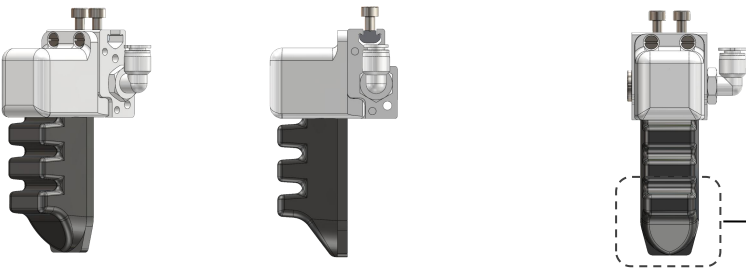
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

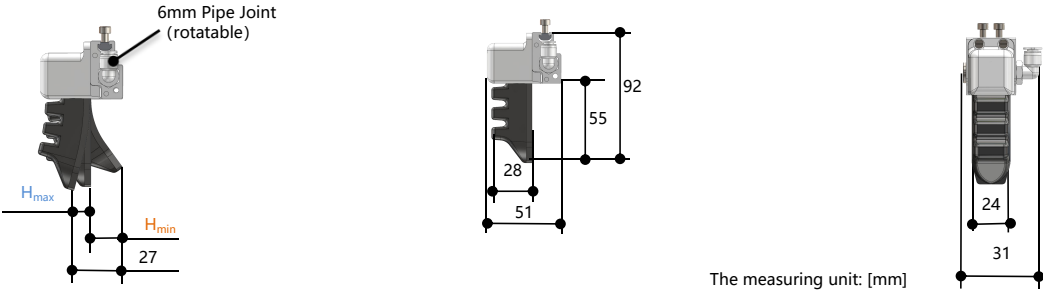


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

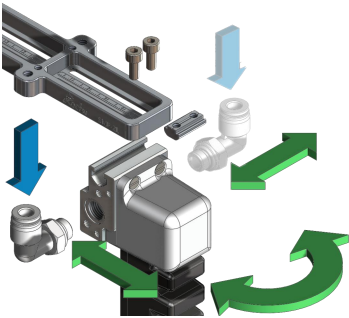
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A4V4/LS1[P] | | FM-A4V4/LS1[PAS] | | | FM-A4V4/LS1[H] | | FM-A4V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 |  120 |  340 | 104 | 17 | 12 |  300 |  490 | 104 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

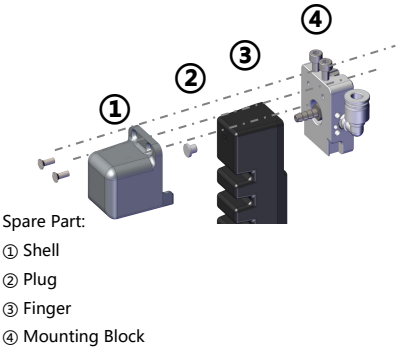
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

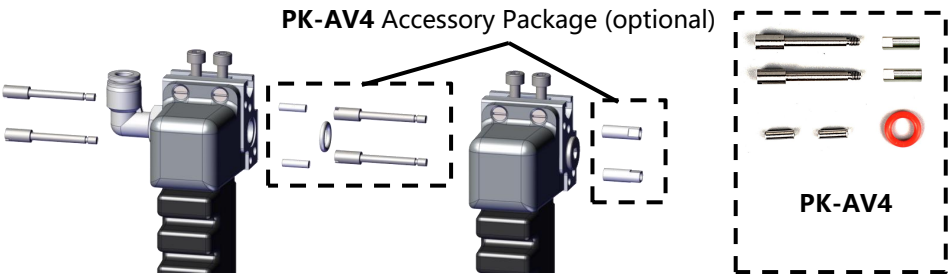


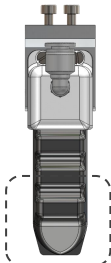
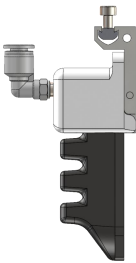
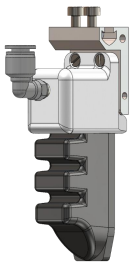
Assembly

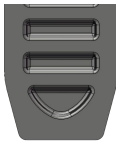
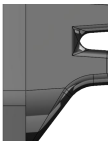






Series combination:

- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

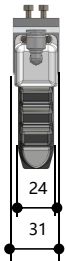
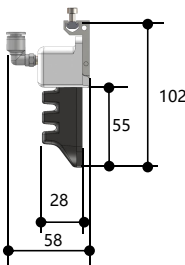
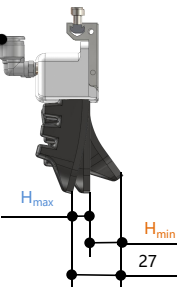
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A4V5/LS1[P] | | FM-A4V5/LS1[PAS] | | | FM-A4V5/LS1[H] | | FM-A4V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 |  120 |  340 | 83 | 17 | 12 |  300 |  490 | 83 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

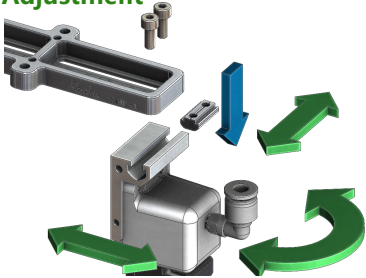
Finger Module

6mm Pipe Joint
(rotatable)

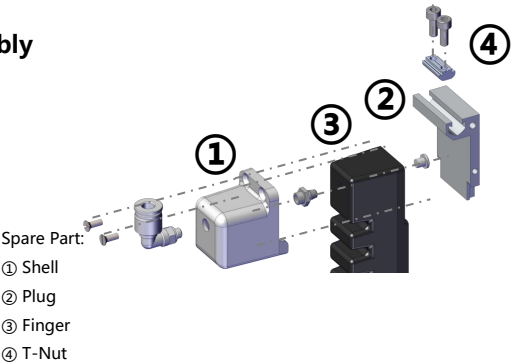


The measuring unit: [mm]

Air Intake & Pose Adjustment



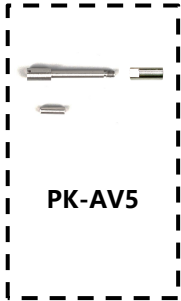
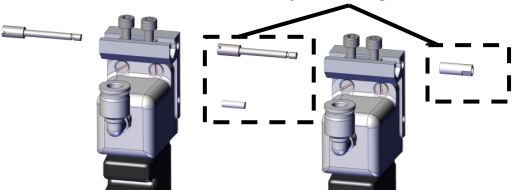
Assembly

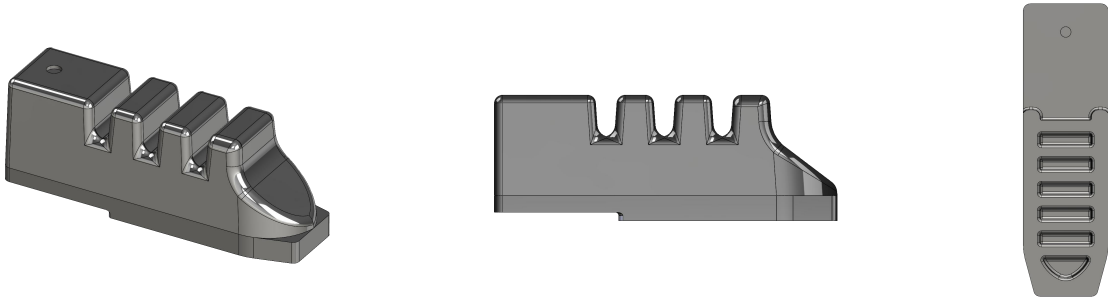


Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

PK-AV5 Accessory Package (optional)





| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|------------|
| LS1 | Standard form | | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | |
| Normal Material F-A4T/LS1[P] | | | Dust-free Normal Material F-A4T/LS1[PAS] | | Strong Material F-A4T/LS1[H] | | | Dust-free Strong Material F-A4T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠️ 120 | 📦 340 | 40 | 17 | 12 | ⚠️ 300 | 📦 490 | 40 |

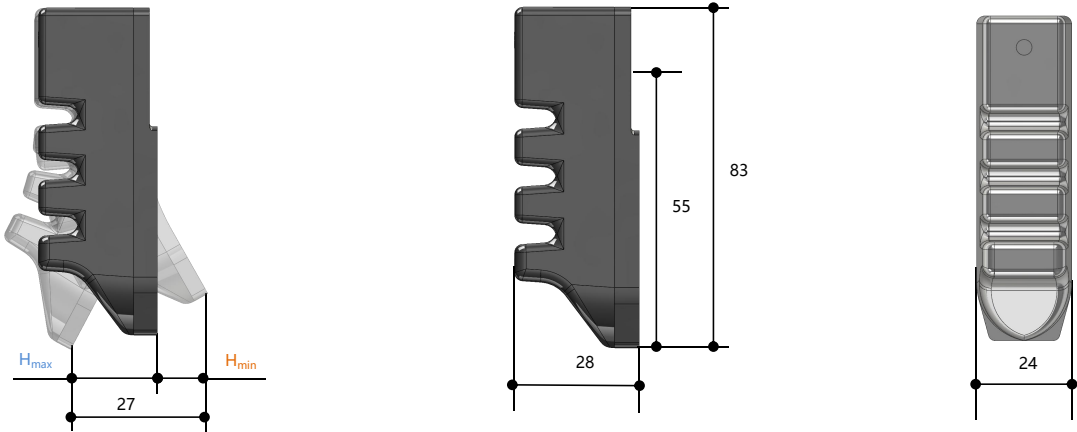


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

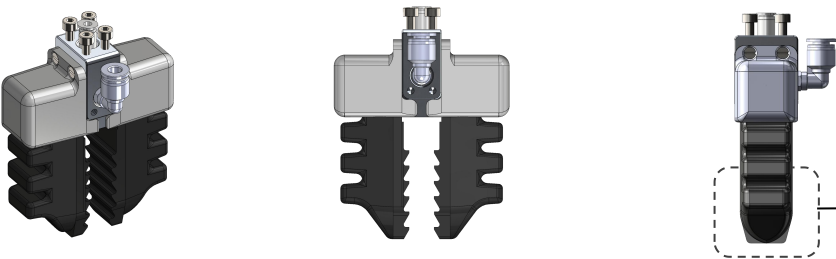


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Dimension Parameters




Finger Module




| Finger Pattern | |
|----------------|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |



| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | |
|---|---|---------------------------|---------------------------------|-----------------|---|---|---------------------|
| FM-A4V1/LS8[P] | | FM-A4V1/LS8[PAS] | | FM-A4V1/LS8[H] | | FM-A4V1/LS8[HAS] | |
| Finger color: Black | | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Finger color: Grey | | |
| 0 | 38 | ⚠️ 120 | 📦 680 | 167 | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] |
| | | | | | 0 | 42 | ⚠️ 300 |
| | | | | | Recommended Load per Finger [g] | | |
| | | | | | 📦 980 | | |
| | | | | | 167 | | |

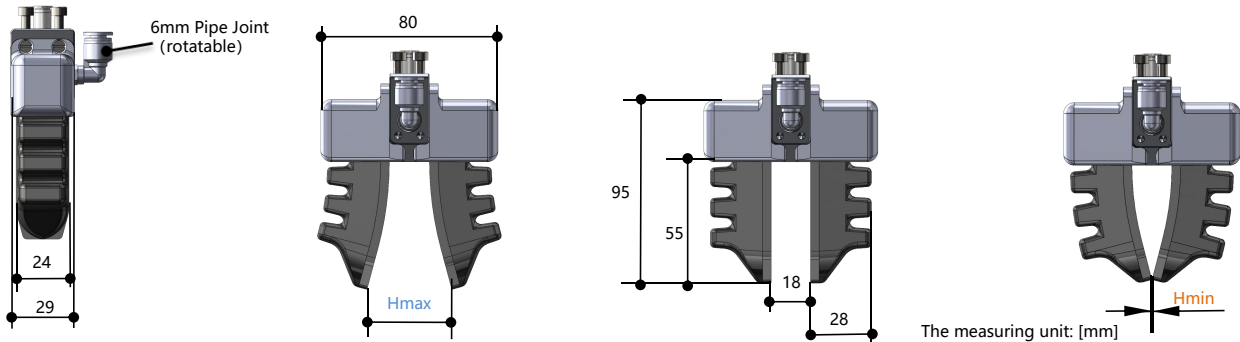


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

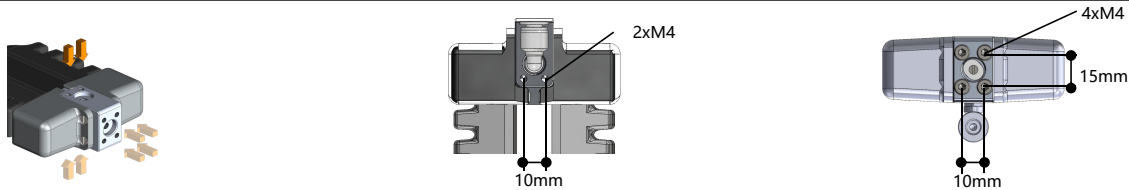


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

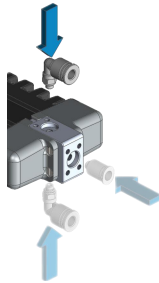
Finger Module



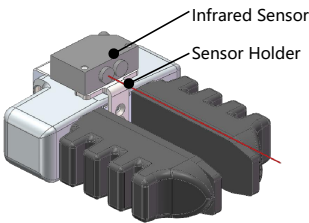
Fixation



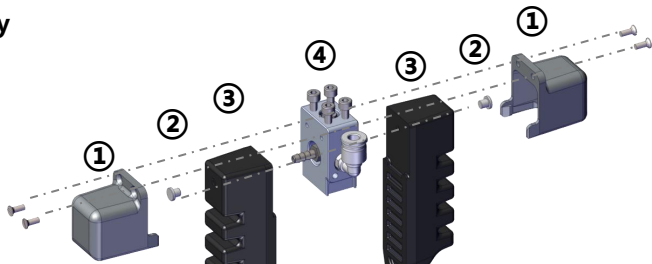
Air Intake



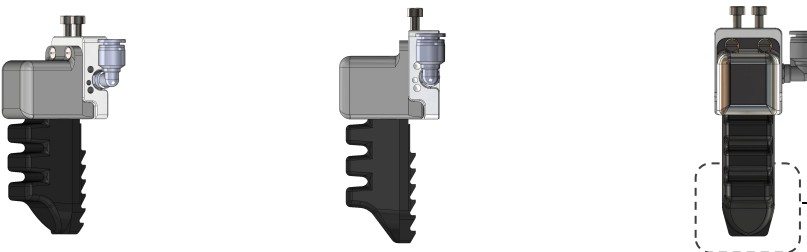
Sensor Installation






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
|  | |

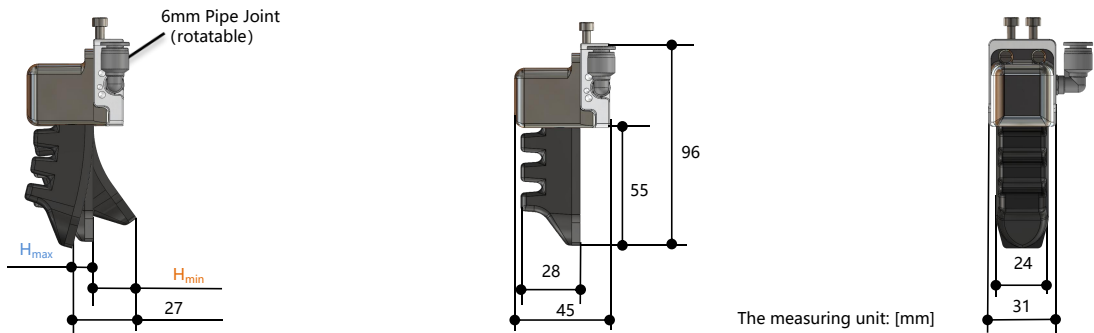
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A4V2/LS8[P] | | FM-A4V2/LS8[PAS] | | FM-A4V2/LS8[H] | | FM-A4V2/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠ 120 |  340 | 99 | 17 | 12 | ⚠ 300 |  490 | 99 |



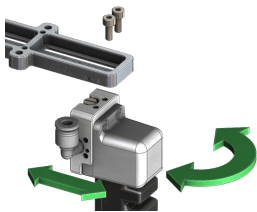
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



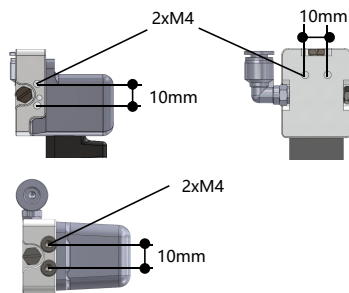
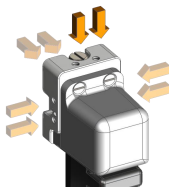
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



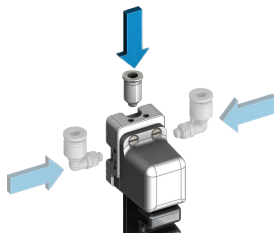
Pose Adjustment



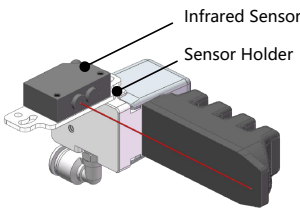
Fixation



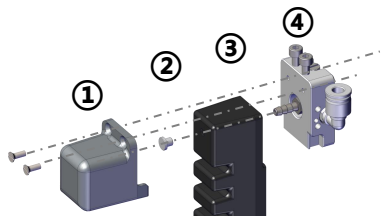
Air Intake



Sensor Installation

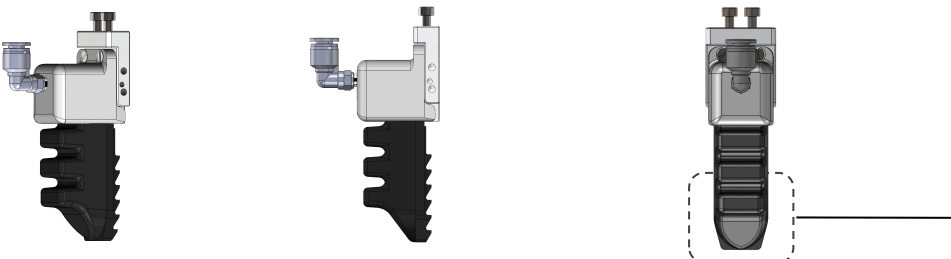




Assembly






- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block


Finger Module



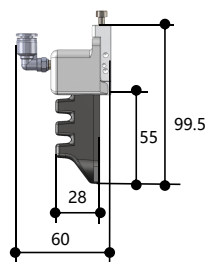
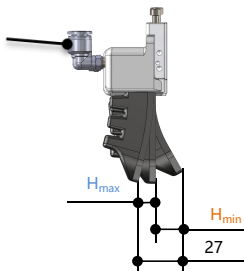
| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A4V3/LS8[P] | | FM-A4V3/LS8[PAS] | | FM-A4V3/LS8[H] | | FM-A4V3/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠ 120 |  340 | 84 | 17 | 12 | ⚠ 300 |  490 | 84 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

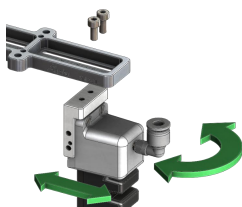
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint (rotatable)

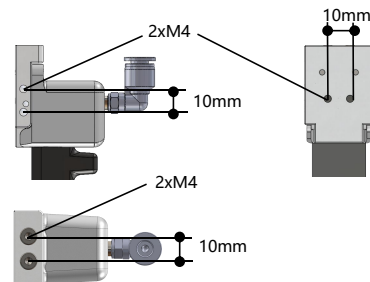
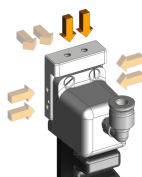


The measuring unit: [mm]

Pose Adjustment



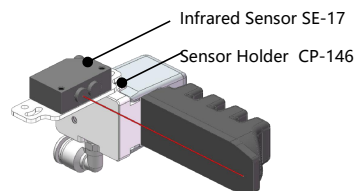
Fixation



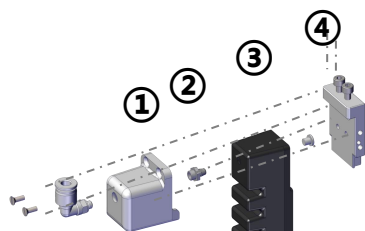
Air Intake



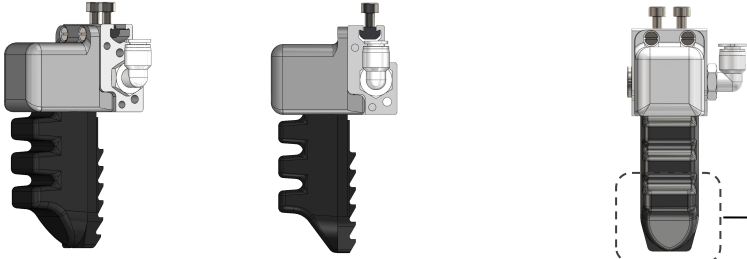
Sensor Installation




Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
|  | |

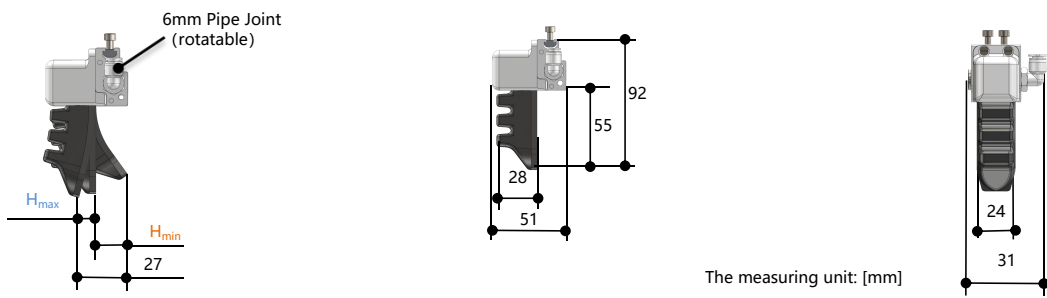
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---------------------------------|-----------------|---|---|---------------------|---------------------------------|------------|
| FM-A4V4/LS8[P] | | FM-A4V4/LS8[PAS] | | FM-A4V4/LS8[H] | | FM-A4V4/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠️ 120 | 340 | 104 | 17 | 12 | ⚠️ 300 | 490 | 104 |



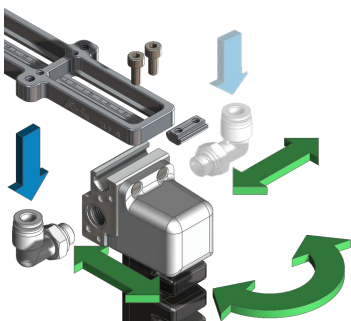
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



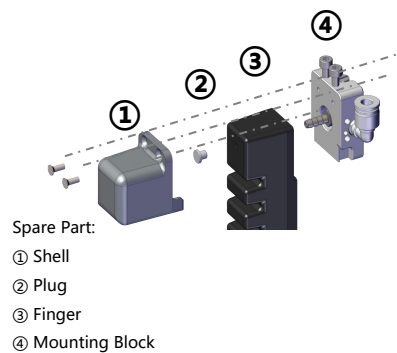
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

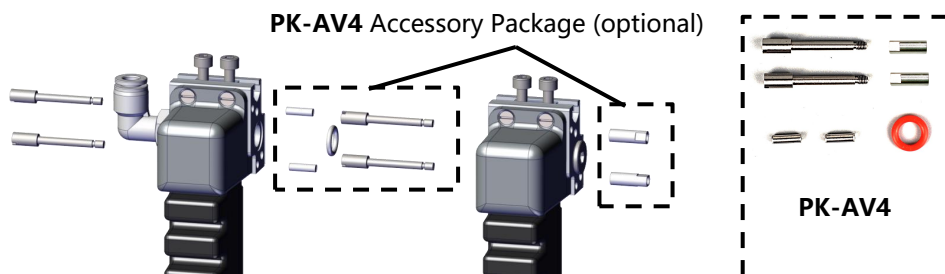


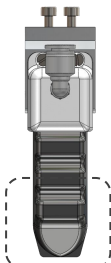
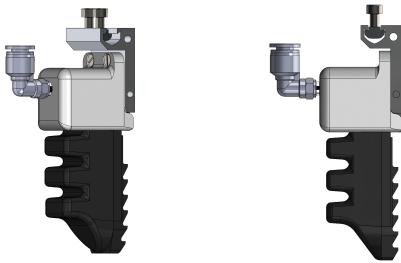
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



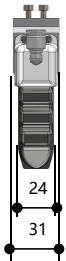
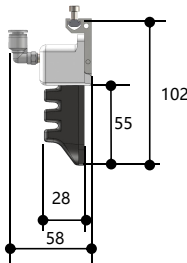
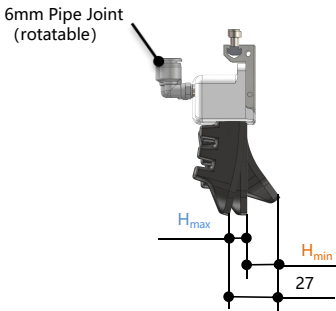


| Finger Pattern | |
|----------------|--|
| LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A4V5/LS8[P] | | FM-A4V5/LS8[PAS] | | | FM-A4V5/LS8[H] | | FM-A4V5/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 |  120 |  340 | 83 | 17 | 12 |  300 |  490 | 83 |

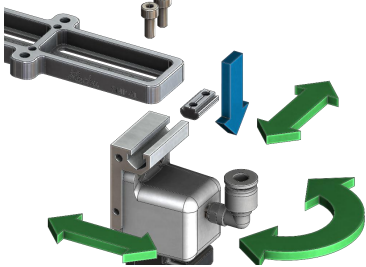
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

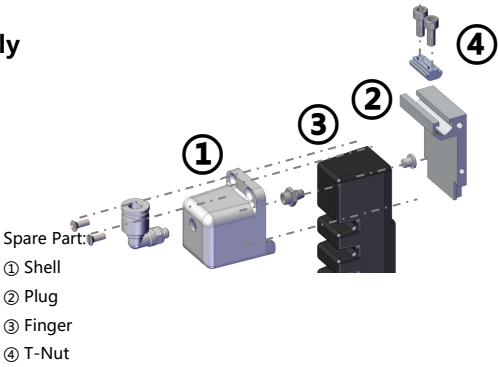


The measuring unit: [mm]

Air Intake & Pose Adjustment



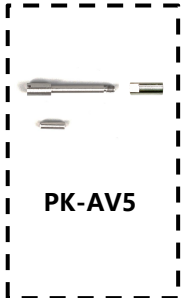
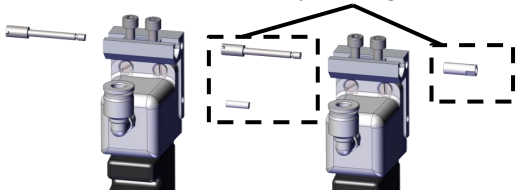
Assembly

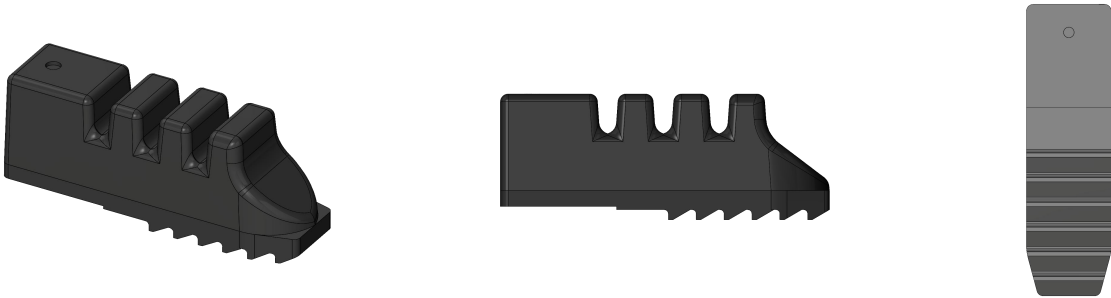


Series combination:


1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

PK-AV5 Accessory Package (optional)



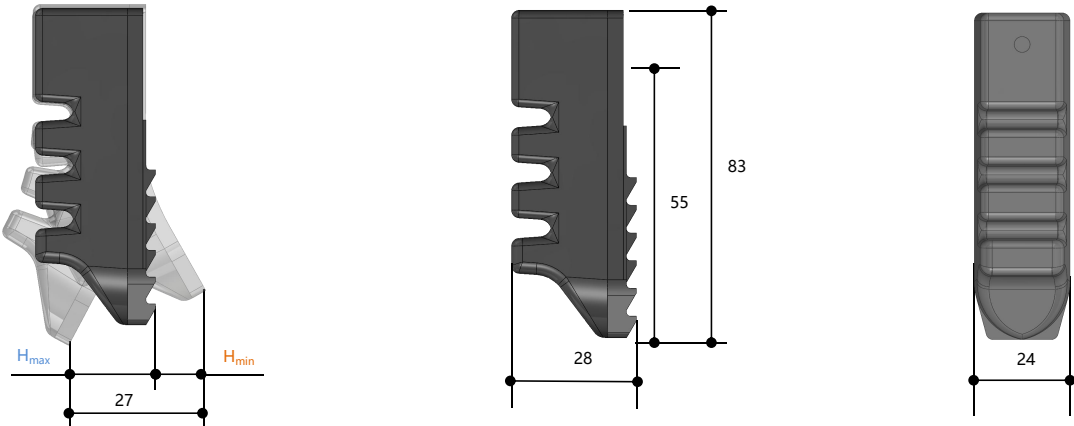


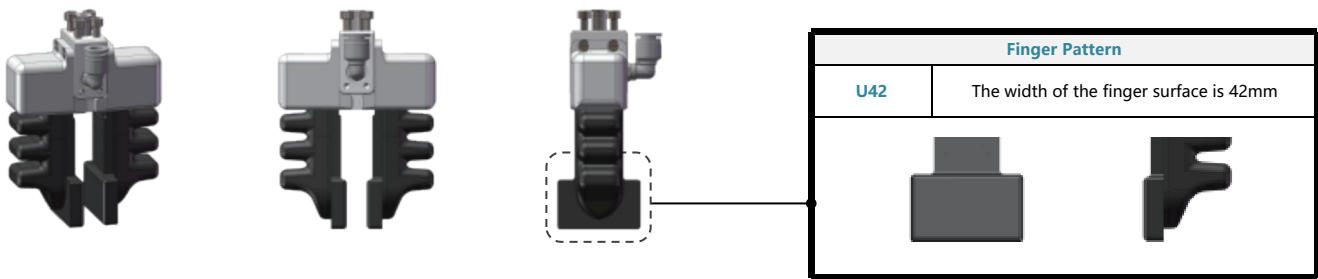
| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|--|------------|---|---|---------------------|---|------------|
| LS8 | Special Form | | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. | | | | | | |
| Normal Material F-A4T/LS8[P] | | | Dust-free Normal Material F-A4T/LS8[PAS] | | Strong Material F-A4T/LS8[H] | | | Dust-free Strong Material F-A4T/LS8[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠️ 120 | 📦 340 | 40 | 17 | 12 | ⚠️ 300 | 📦 490 | 40 |


 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters

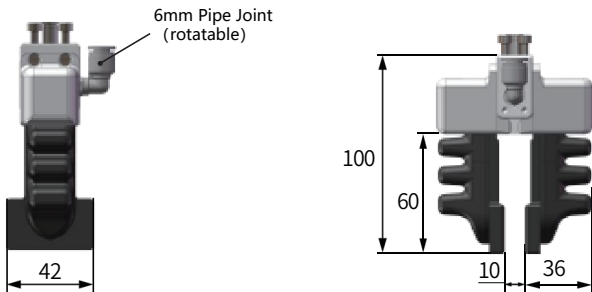




| | | | |
|---|------------------------------------|---------------------------|---|
| Normal Material | | Dust-free Normal Material | |
| FM-A4V1/U42[H] | | FM-A4V1/U42[HAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 600 | |  167 |

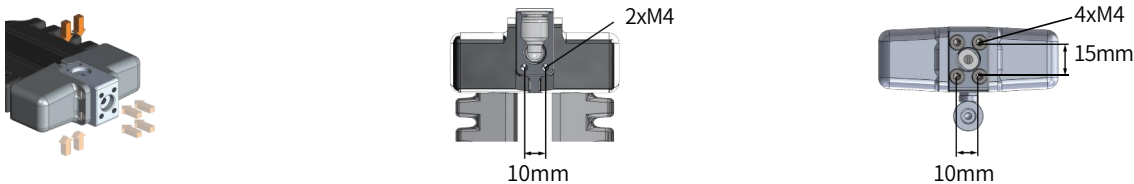
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

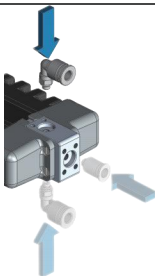


The measuring unit: [mm]

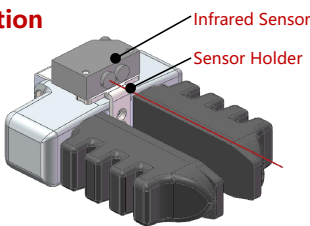
Fixation



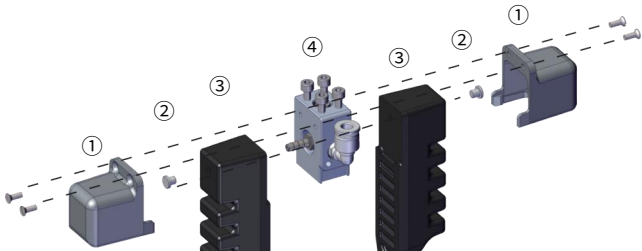
Air Intake



Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

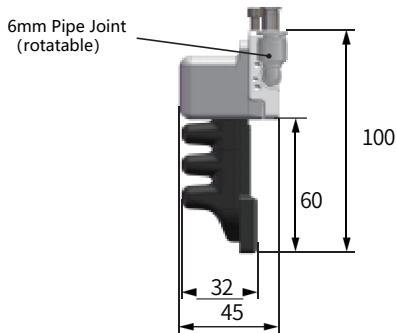


| Finger Pattern | |
|----------------|--|
| U30 | Customized version for grabbing mung bean cake |
| | |

| Normal Material | | Dust-free Normal Material |
|---------------------|---------------------------------|---------------------------|
| FM-A4V2/U42[H] | | FM-A4V2/U42[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 120 | 340 | 99 |

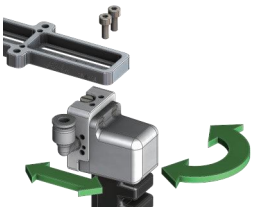
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

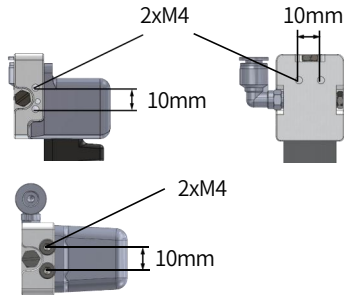
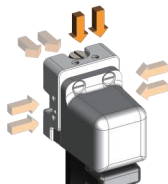


The measuring unit: [mm]

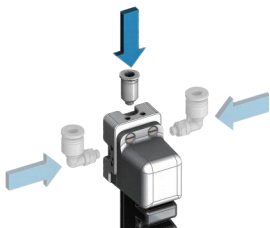
Pose Adjustment



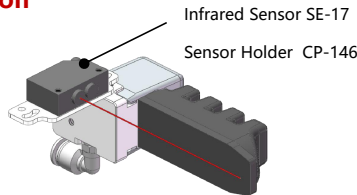
Fixation



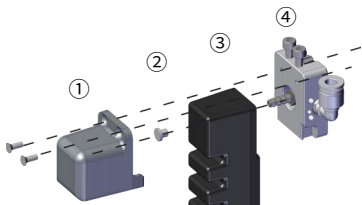
Air Intake



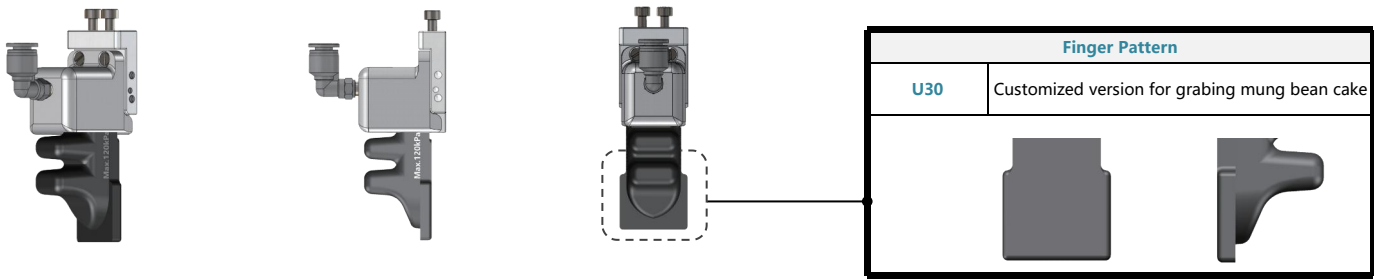
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

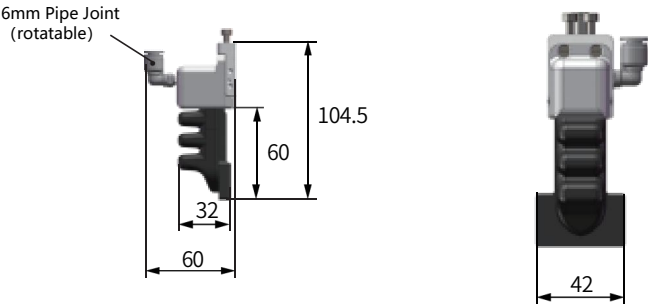


| Finger Pattern | |
|----------------|--|
| U30 | Customized version for grabbing mung bean cake |
| | |

| Normal Material | | Dust-free Normal Material |
|------------------------|------------------------------------|---------------------------|
| FM-A4V3/U42[H] | | FM-A4V3/U42[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 120 | 340 | 84 |

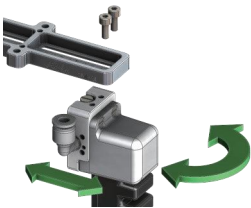
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

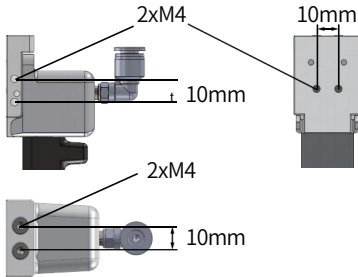
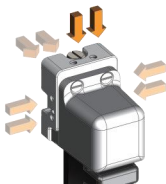


The measuring unit: [mm]

Pose Adjustment



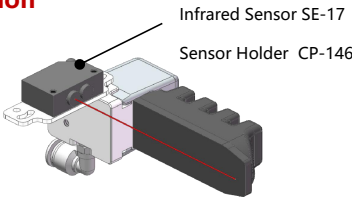
Fixation



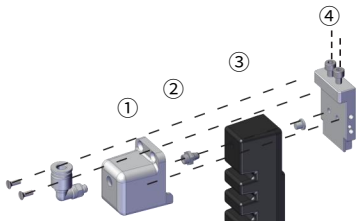
Air Intake



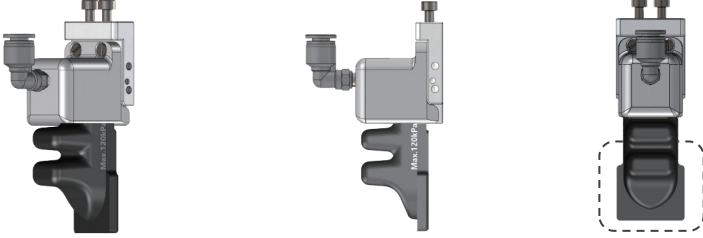
Sensor Installation

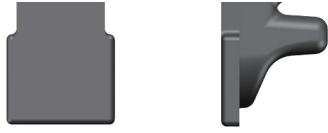




Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|--|
| U30 | Customized version for grabbing mung bean cake |
|  | |

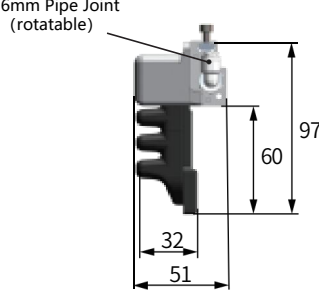
| Normal Material | | Dust-free Normal Material |
|---|---------------------------------|---|
| FM-A4V4/U42[H] | | FM-A4V4/U42[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 340 |  104 |




Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



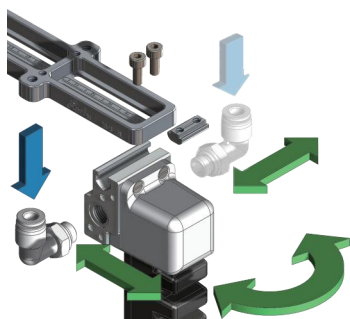
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



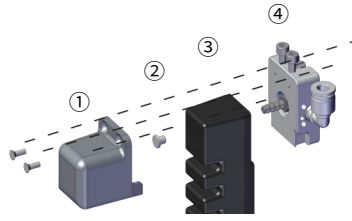


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

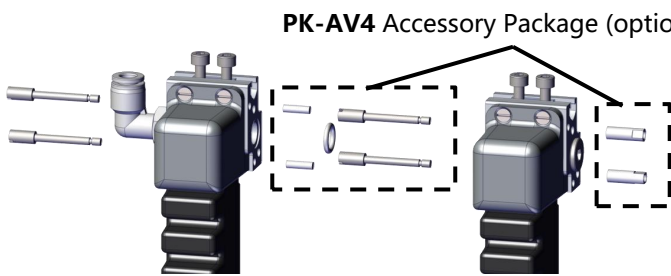


Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

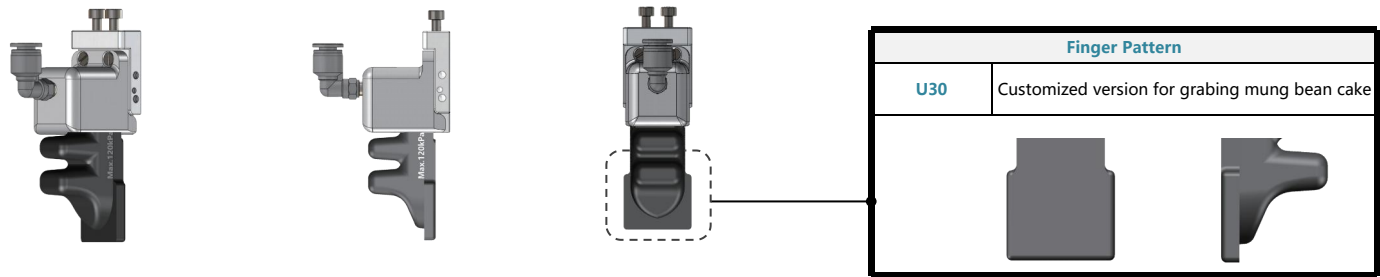
Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. The finger module has the function of confluence, realizing the seamless splicing between fingers. It can drive multiple fingers to move at the same time with only one air pipe (sharing the air inlet) to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



PK-AV4 Accessory Package (optional)

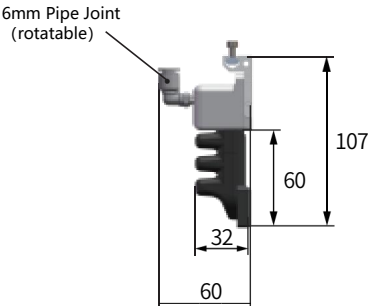
PK-AV4



| | | | |
|---|------------------------------------|---------------------------|--|
| Normal Material | | Dust-free Normal Material | |
| FM-A4V5/U42[H] | | FM-A4V5/U42[HAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 340 | |  84 |

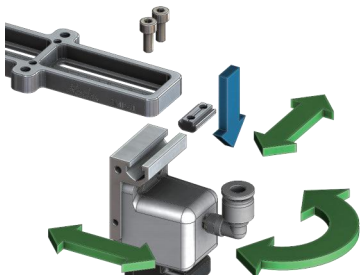
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



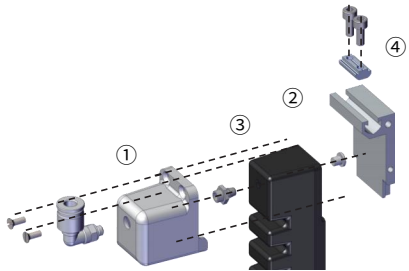
The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

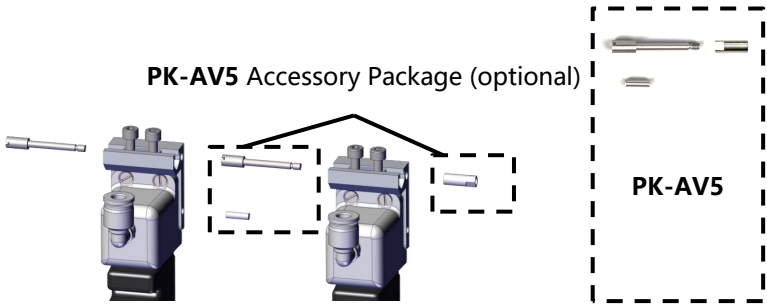
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ T-Nut





Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
- 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.


*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



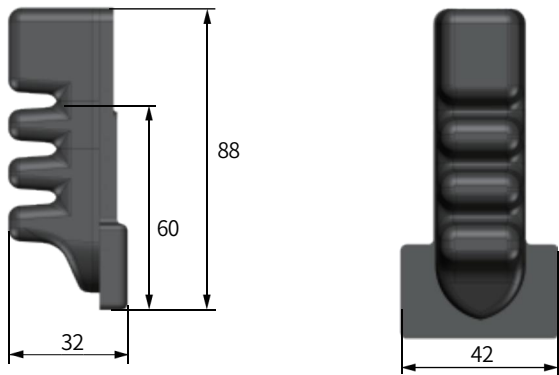


| Finger Pattern | | Features |
|---|------------------------------------|--|
| U42 | Special Form | The width of the finger surface is 42mm |
| Normal Material | | Dust-free Normal Material |
| F-A4T/U42 [H] | | F-A4T/U42[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 340 |  40 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

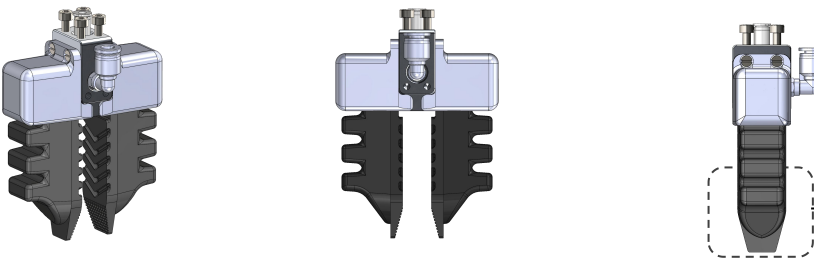
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters






The measuring unit: [mm]

Finger Module




| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|------------------------|---|---------------|
| FM-A4V1/FS3[P] | | FM-A4V1/FS3[PAS] | | FM-A4V1/FS3[H] | | FM-A4V1/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 38 | ⚠ 120 |  680 | 167 | 0 | 42 | ⚠ 300 |  980 | 167 |

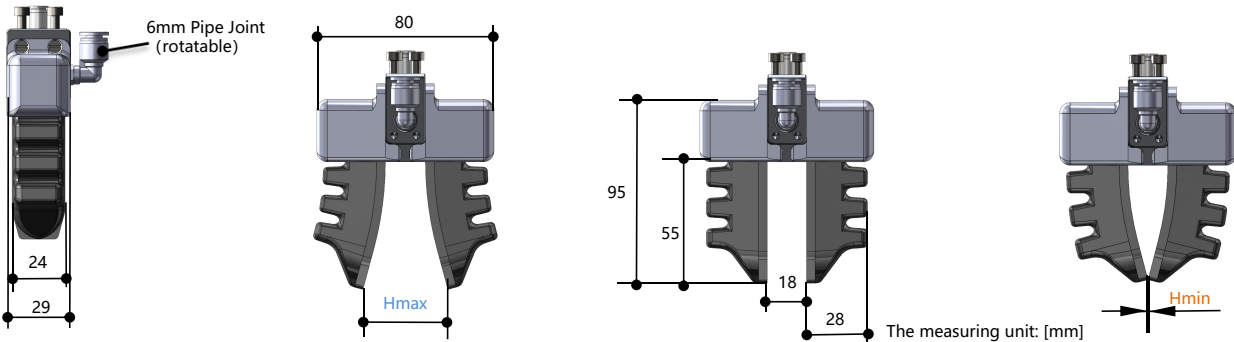


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

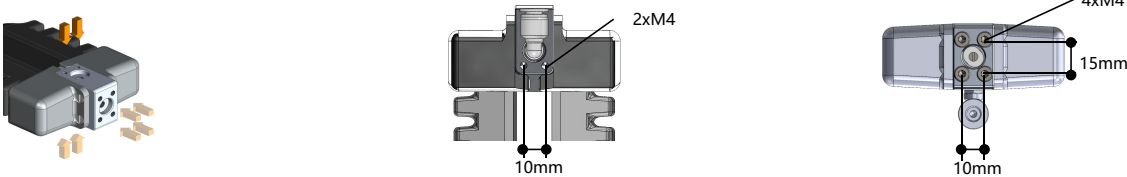


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

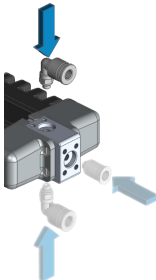
Finger Module



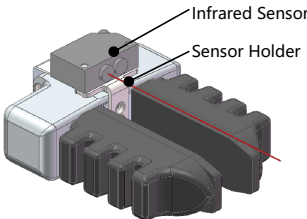
Fixation



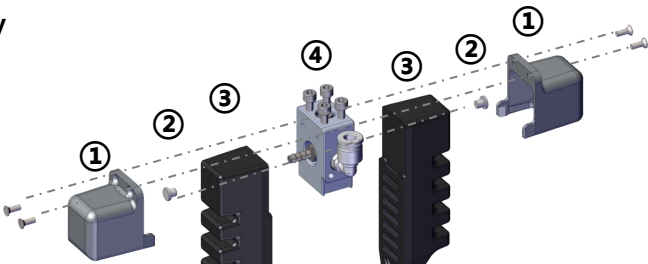
Air Intake



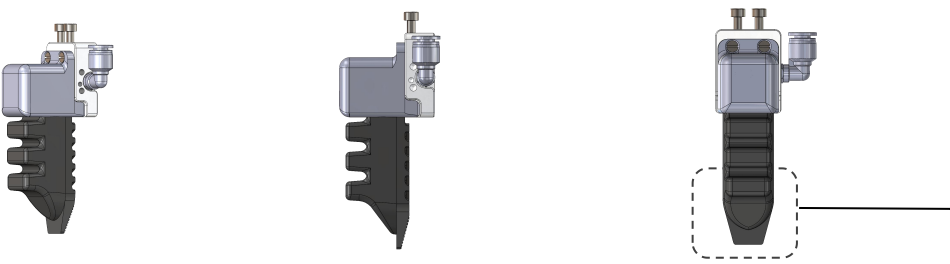
Sensor Installation



Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block





Finger Pattern

FS3

Suitable for soft fabric products.



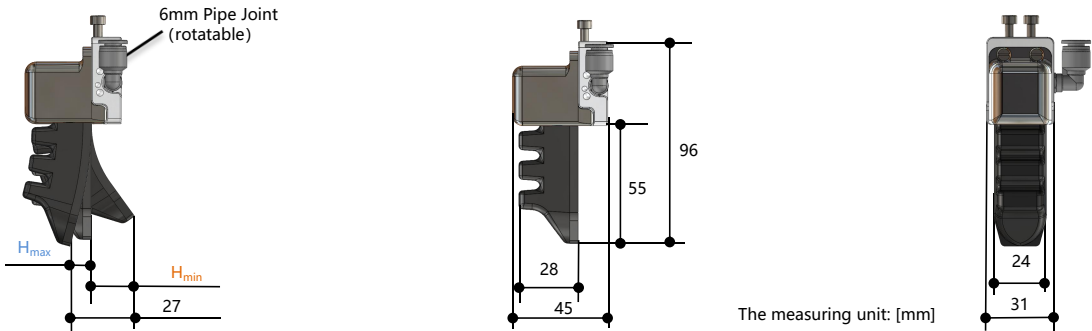
| | | | | | | | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-A4V2/FS3[P] | | FM-A4V2/FS3[PAS] | | FM-A4V2/FS3[H] | | FM-A4V2/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠ 120 |  340 | 99 | 17 | 12 | ⚠ 300 |  490 | 99 |



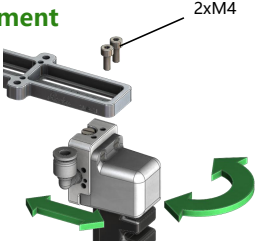
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



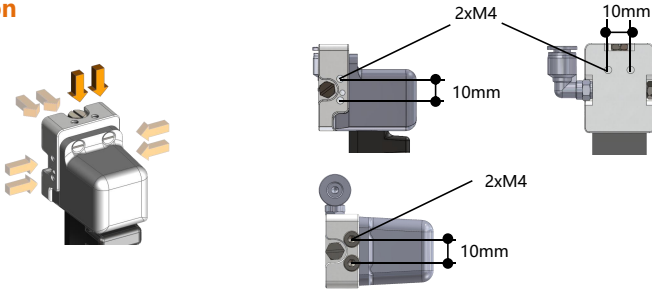
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



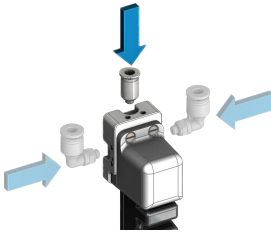
Pose Adjustment



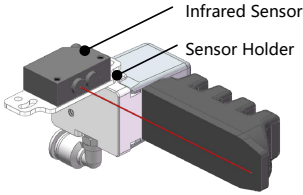
Fixation



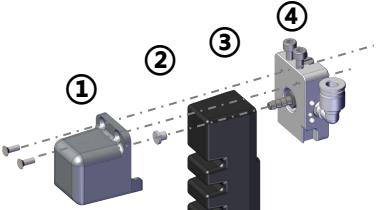
Air Intake



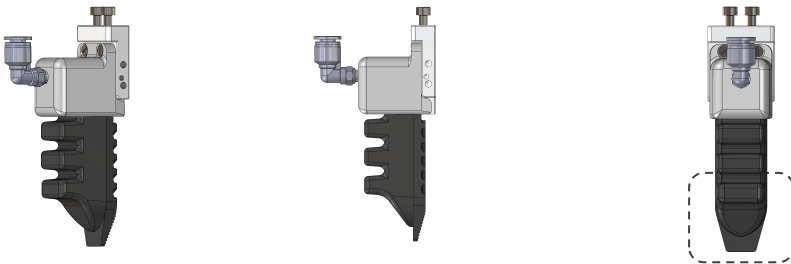
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A4V3/FS3[P] | | FM-A4V3/FS3[PAS] | | FM-A4V3/FS3[H] | | FM-A4V3/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠ 120 |  340 | 84 | 17 | 12 | ⚠ 300 |  490 | 84 |

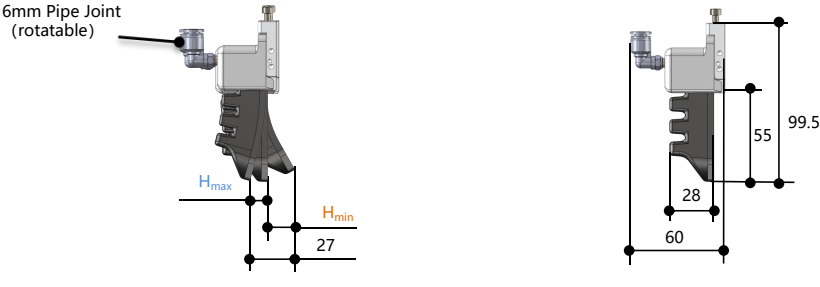


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

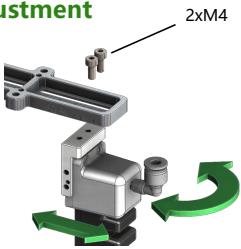
Finger Module



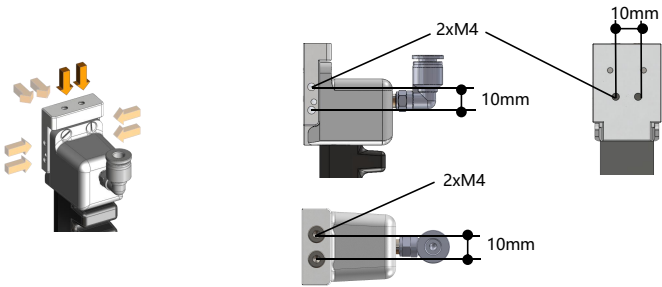
The measuring unit: [mm]



Pose Adjustment



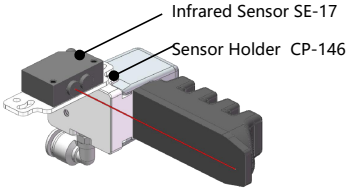
Fixation



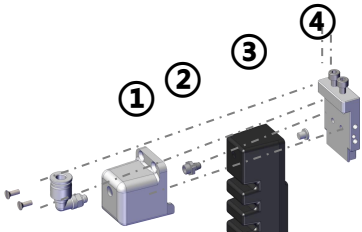
Air Intake



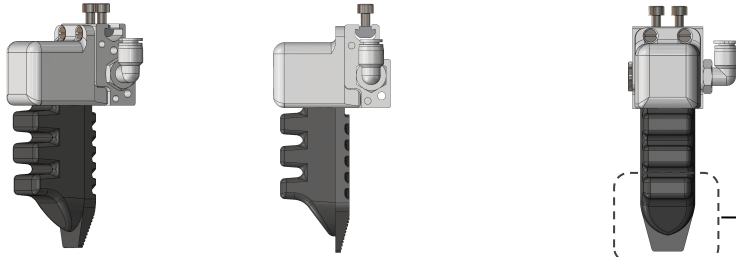
Sensor Installation









Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

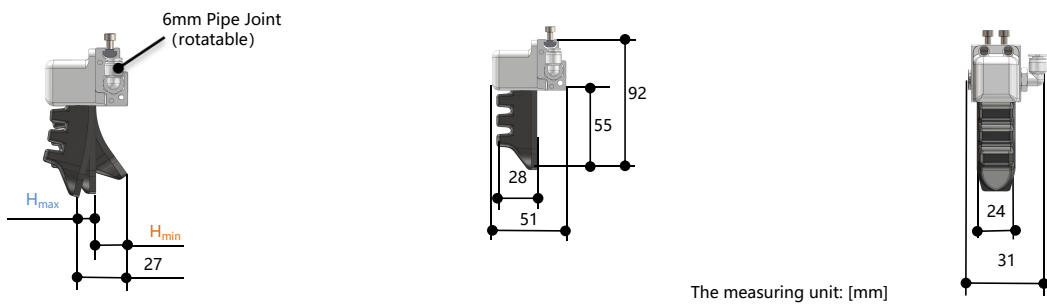
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---|---|-----------------|---|---|---|---|---------------|
| FM-A4V4/FS3[P] | | FM-A4V4FS3[PAS] | | FM-A4V4/FS3[H] | | FM-A4V4/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 |  120 |  340 | 104 | 17 | 12 |  300 |  490 | 104 |



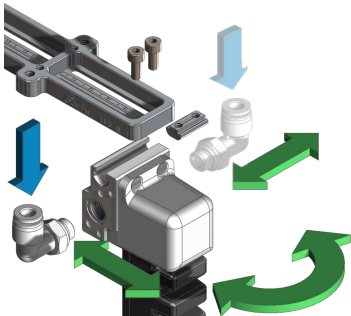
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



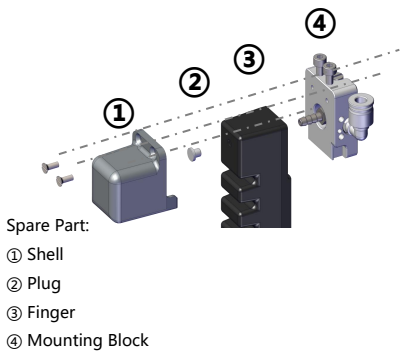
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

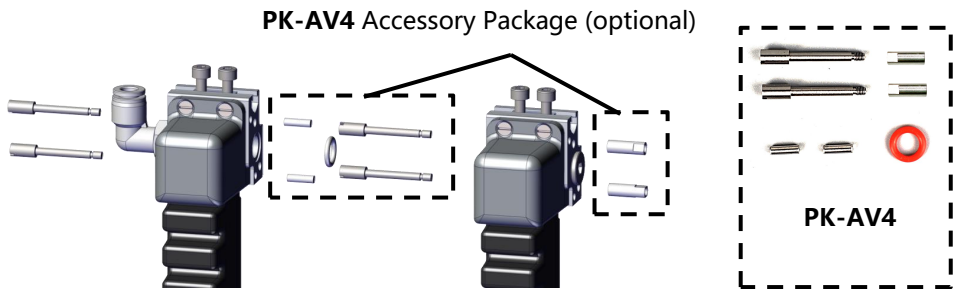


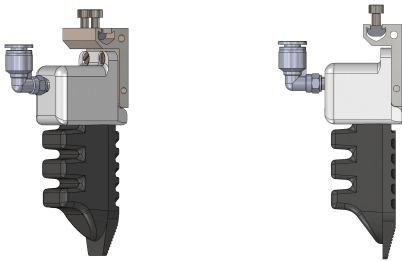
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



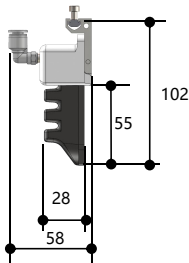
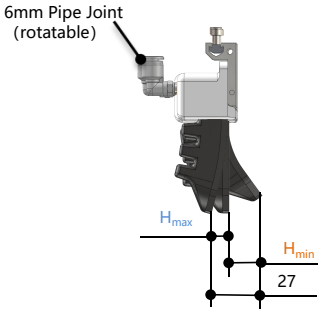


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

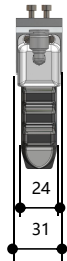
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-A4V5/FS3[P] | | | FM-A4V5/FS3[PAS] | | | FM-A4V5/FS3[H] | | | FM-A4V5/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 17 | 10 |  120 |  340 | 83 | 17 | 12 |  300 |  490 | 83 | | |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

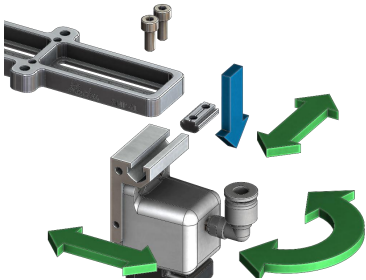
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



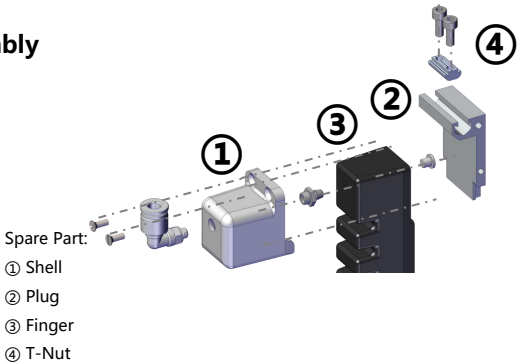
The measuring unit: [mm]



Air Intake & Pose Adjustment



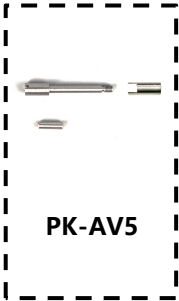
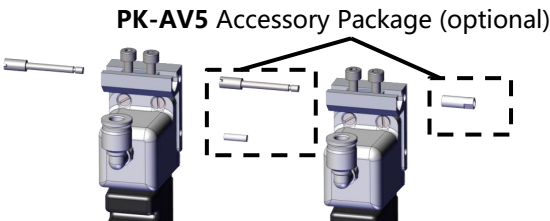
Assembly

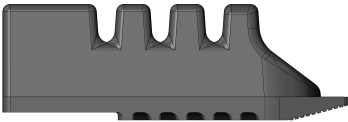
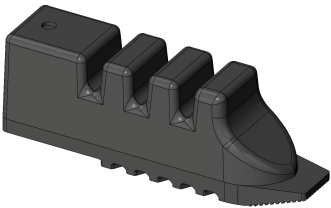


Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
- 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.

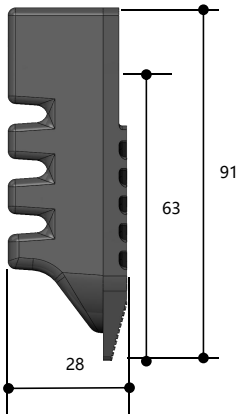
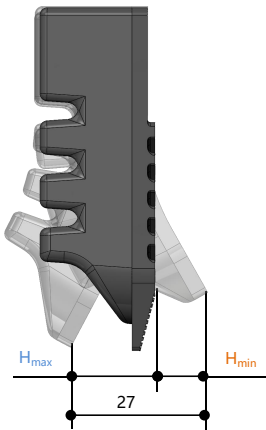
*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



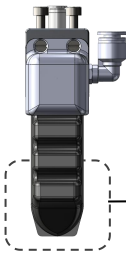
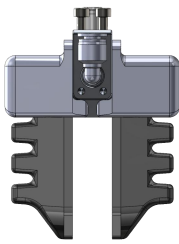
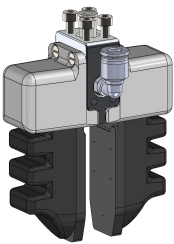




| Finger Pattern | | | Features | | | | | | |
|--|---|---------------------|------------------------------------|------------|--|---|---------------------|---------------------------------|------------|
| FS3 | Special Form | | Suitable for soft fabric products. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-A4T/FS3[P] | | | F-A4T/FS3[PAS] | | F-A4T/FS3[H] | | | F-A4T/FS3[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠ 120 | 📏 340 | 40 | 17 | 12 | ⚠ 300 | 📏 490 | 40 |
| <div>⚠</div> <div>Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.</div> | | | | | <div>📏</div> <div>The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.</div> | | | | |





Dimension Parameters




Finger Module



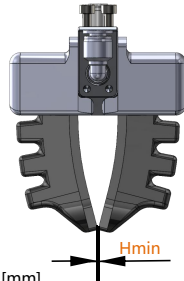
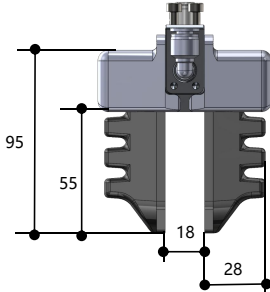
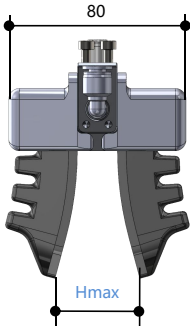
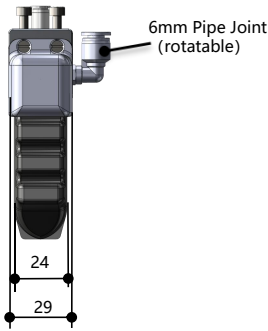
| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A4V1/LF1[P] | | FM-A4V1/LF1[PAS] | | | FM-A4V1/LF1[H] | | FM-A4V1/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 38 |  120 |  680 | 167 | 0 | 42 |  300 |  980 | 167 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

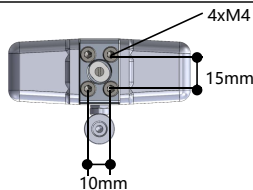
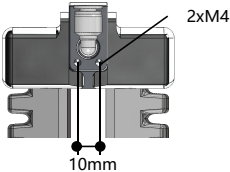
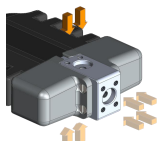
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

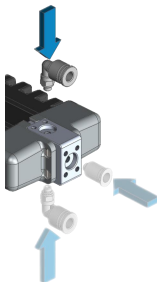


The measuring unit: [mm]

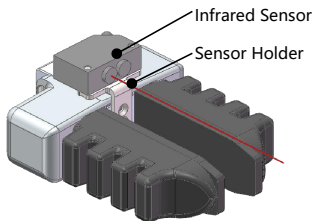
Fixation



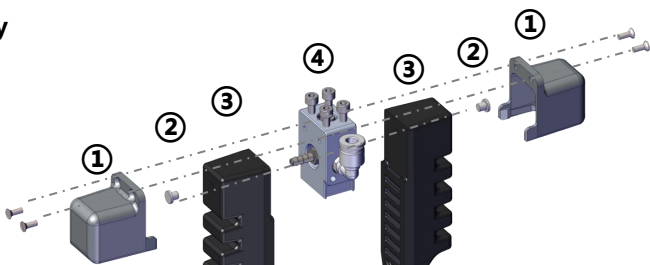
Air Intake



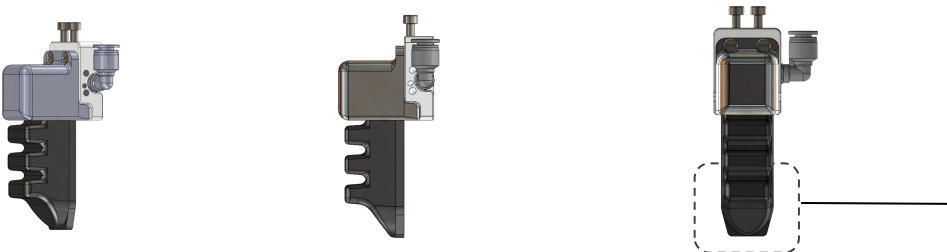
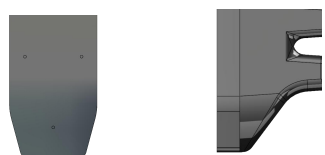


Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

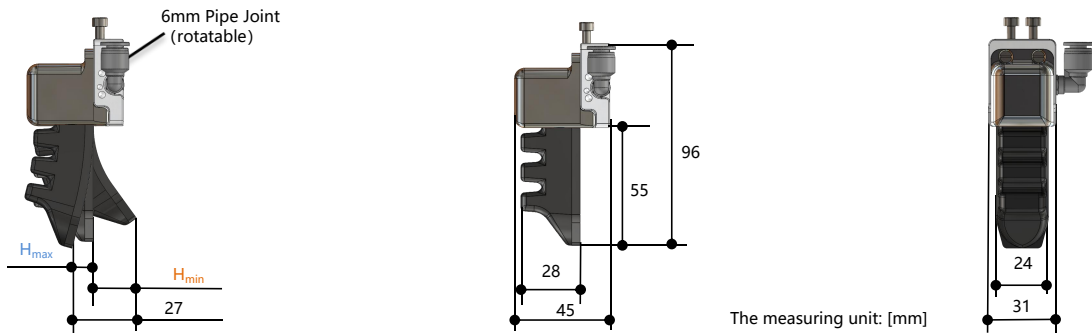
| | | | | | | | | | |
|--|---|---------------------------|---|-----------------------|---|---|------------------------|---|---------------|
|  | | | | | Finger Pattern | | | | |
| | | | | | LF1 | Suitable for smooth dry workpieces and soft food. | | | |
| | | | | |  | | | | |
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-A4V2/LF1[P] | | FM-A4V2/LF1[PAS] | | FM-A4V2/LF1[H] | | FM-A4V2/LF1[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠ 120 |  340 | 99 | 17 | 12 | ⚠ 300 |  490 | 99 |



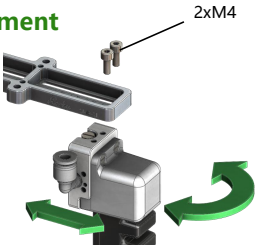
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



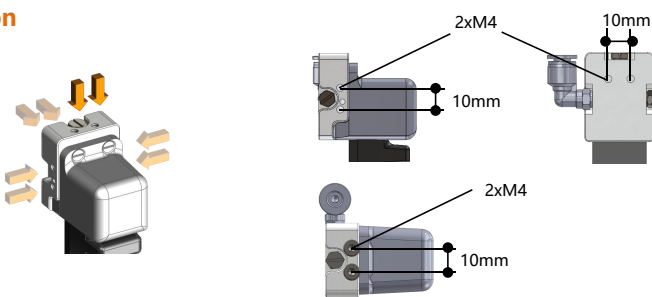
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



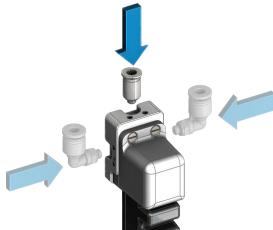
Pose Adjustment



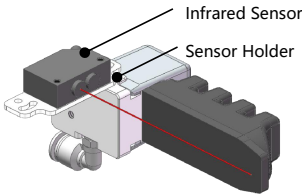
Fixation



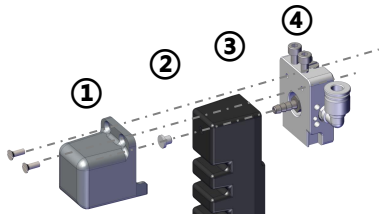
Air Intake



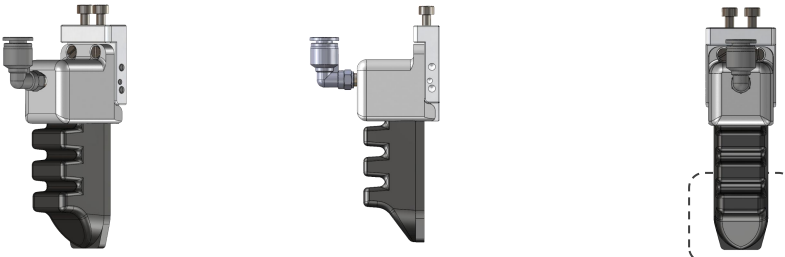
Sensor Installation






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  | |

| | | | | | | | | | |
|---|---|---|---|-----------------------------------|---|---|---------------------|---|------------|
| Normal Material FM-A4V3/LF1[P] | | Dust-free Normal Material FM-A4V3/LF1[PAS] | | Strong Material FM-A4V3/LF1[H] | | Dust-free Strong Material FM-A4V3/LF1[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠ 120 |  340 | 84 | 17 | 12 | ⚠ 300 |  490 | 84 |

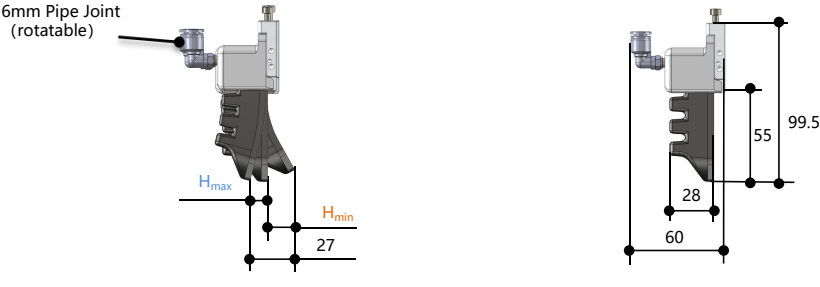


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



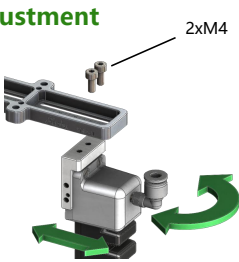
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

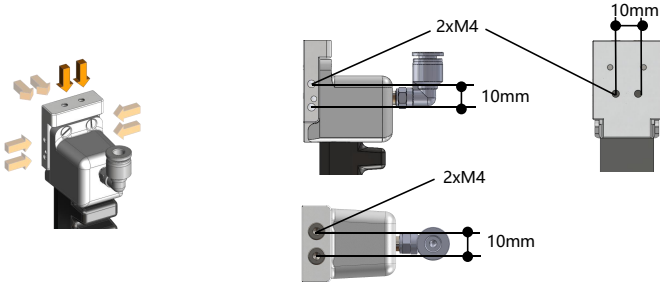


The measuring unit: [mm]

Pose Adjustment



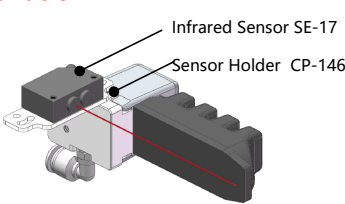
Fixation



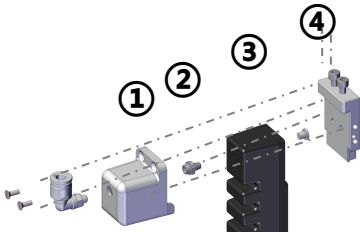
Air Intake



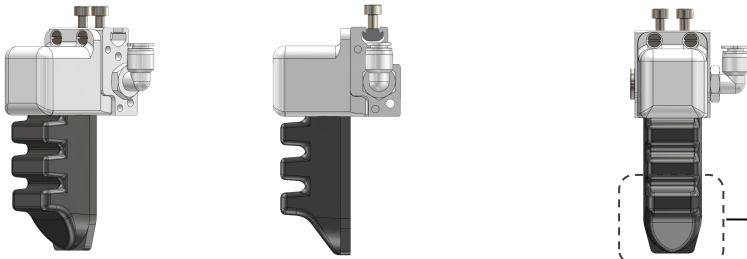




Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

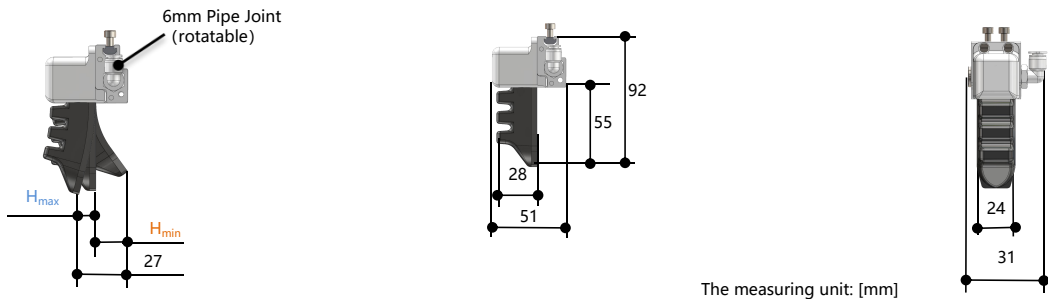
| | | | | | | | | | |
|---|---|--|---|--|---|---|---------------------|---|------------|
|  | | | | | Finger Pattern | | | | |
| | | | | | LF1 | Suitable for smooth dry workpieces and soft food. | | | |
| | | | | |  |  | | | |
| Normal Material FM-A4V4/LF1[P] | | Dust-free Normal Material FM-A4V4/LF1[PAS] | | Strong Material FM-A4V4/LF1[H] | | Dust-free Strong Material FM-A4V4/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 | ⚠ 120 |  340 | 104 | 17 | 12 | ⚠ 300 |  490 | 104 |



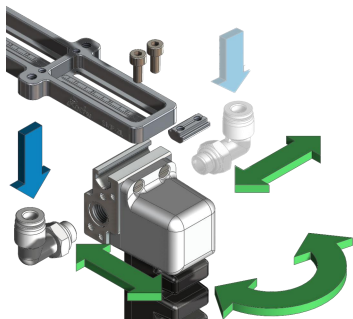
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



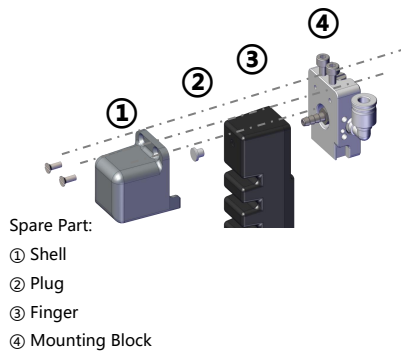
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

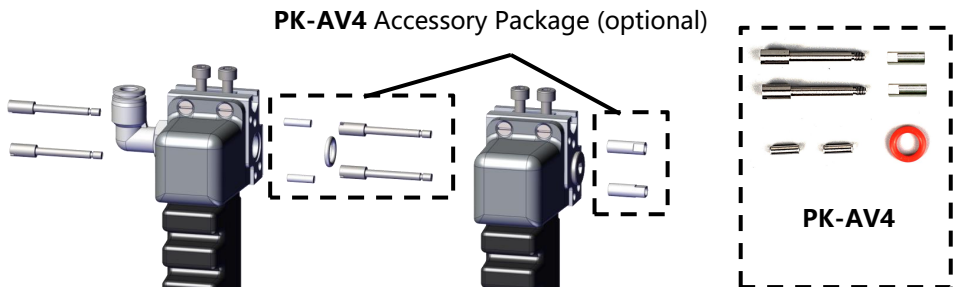


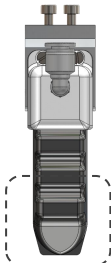
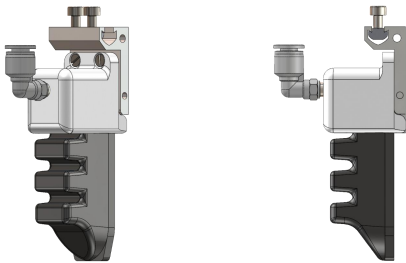
Assembly









Series combination:

- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



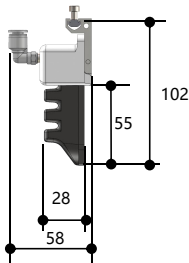
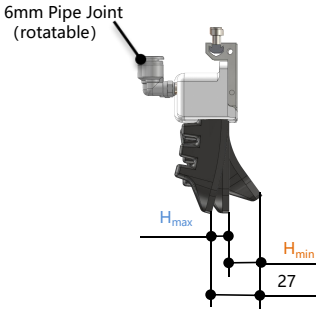


| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

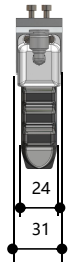
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A4V5/LF1[P] | | FM-A4V5/LF1[PAS] | | | FM-A4V5/LF1[H] | | FM-A4V5/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 17 | 10 |  120 |  340 | 83 | 17 | 12 |  300 |  490 | 83 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

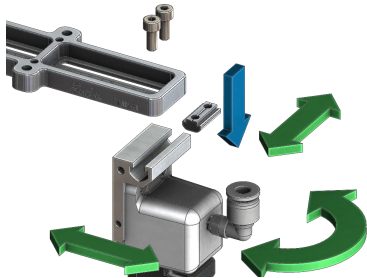
📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



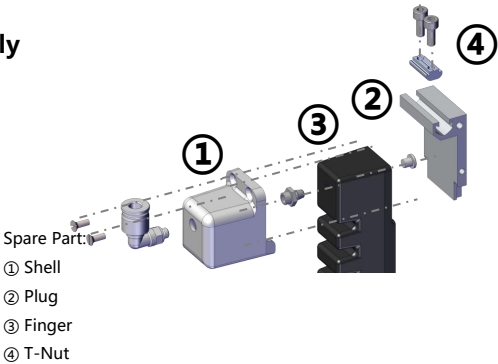
The measuring unit: [mm]



Air Intake & Pose Adjustment

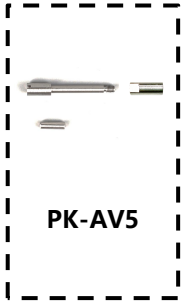
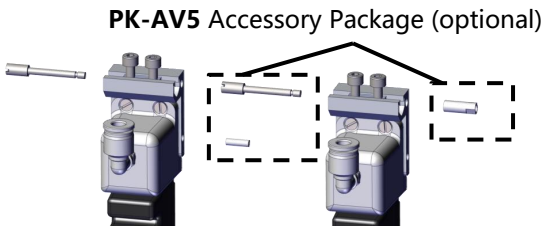


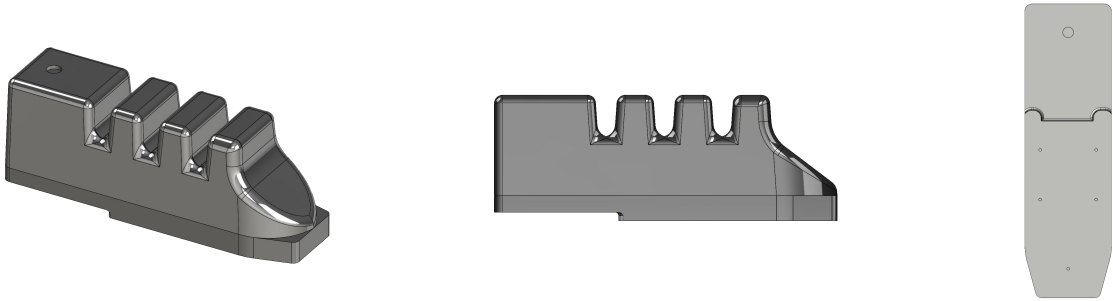
Assembly



Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



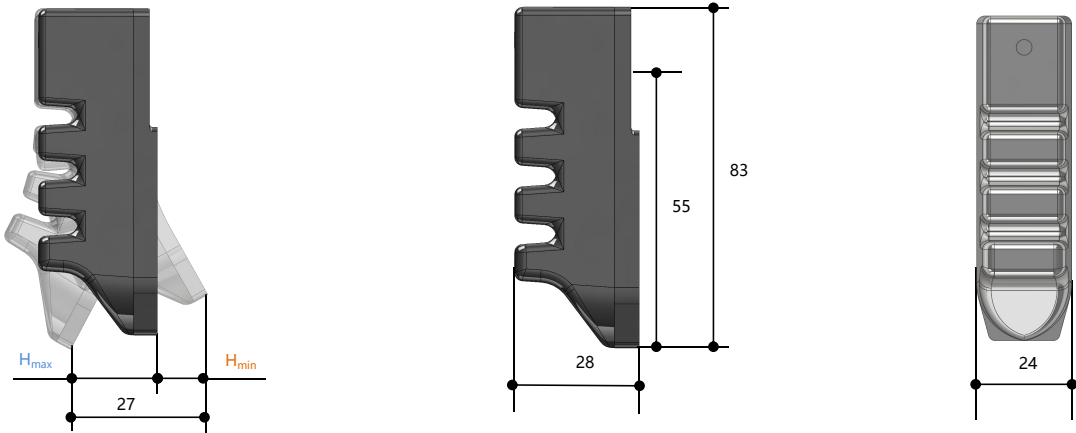


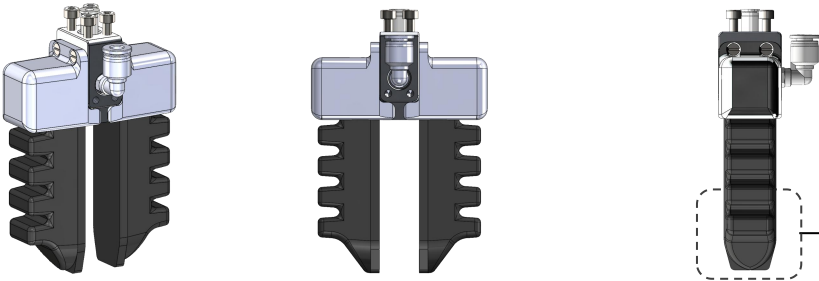
| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---------------------------------|------------|---|---|---------------------|---------------------------------|------------|--|
| LF1 | Special Form | Suitable for smooth dry workpieces and soft food. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-A4T/LF1[P] | | F-A4T/LF1[PAS] | | | F-A4T/LF1[H] | | | F-A4T/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 17 | 10 | ⚠️ 120 | 📦 340 | 40 | 17 | 12 | ⚠️ 300 | 📦 490 | 40 | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.





📦 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





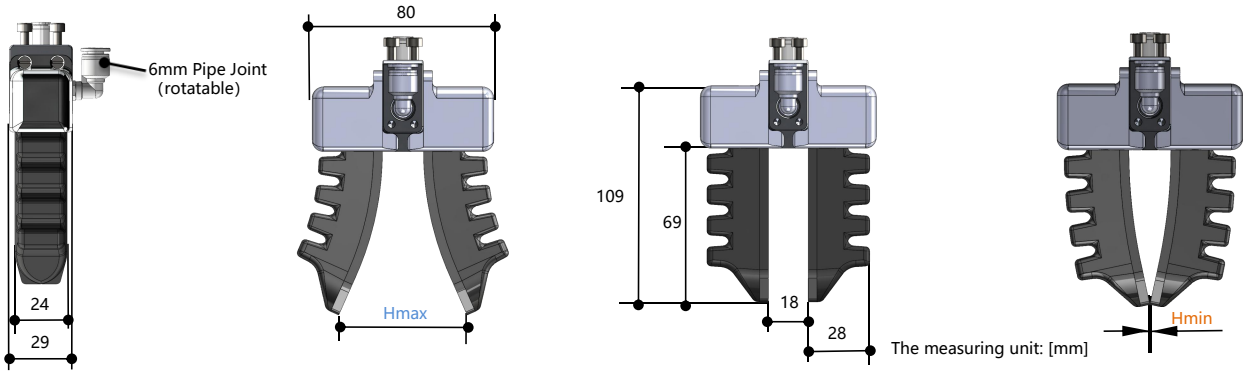
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V1/LS1[P] | | | FM-A5V1/LS1[PAS] | | FM-A5V1/LS1[H] | | | FM-A5V1/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 56 |  120 |  560 | 181 | 17 | 12 |  300 |  800 | 181 |

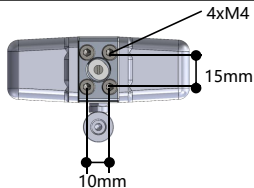
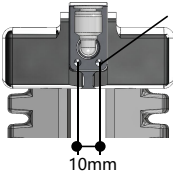
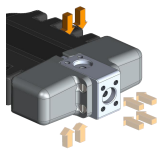
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

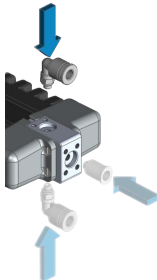
Finger Module



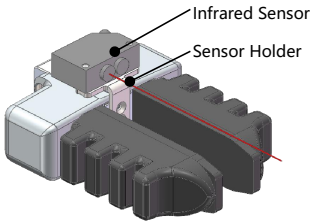
Fixation



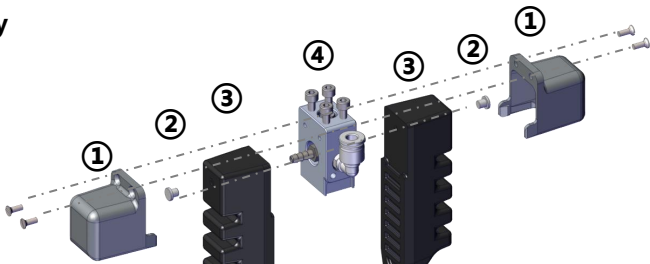
Air Intake



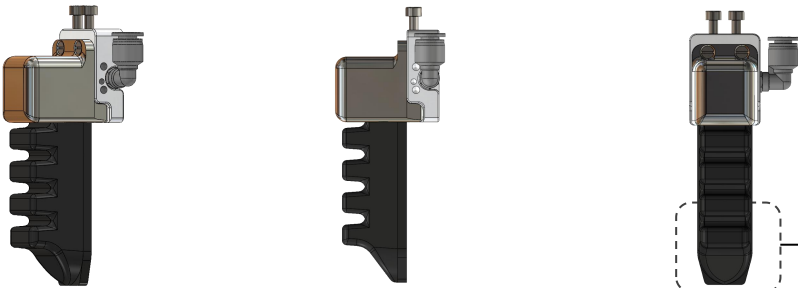
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

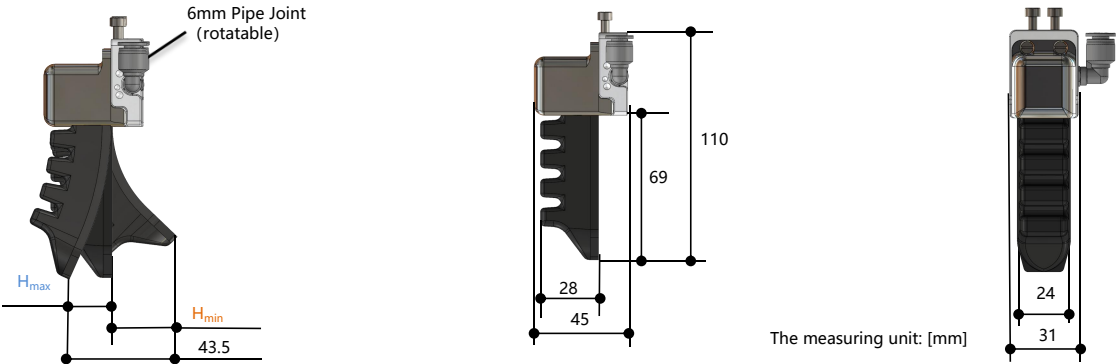


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

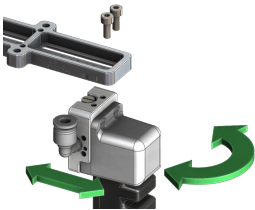
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-A5V2/LS1[P] | | | FM-A5V2/LS1[PAS] | | | FM-A5V2/LS1[H] | | | FM-A5V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 24.5 | 19 |  120 |  280 | 106 | 24.5 | 16 |  300 |  400 | 106 | | |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

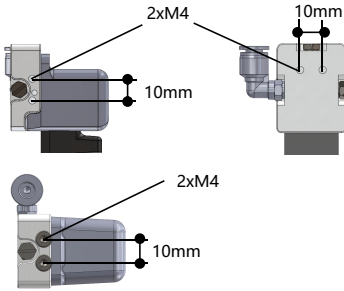
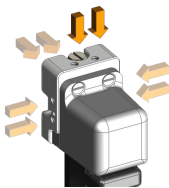
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



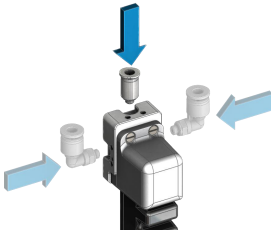
Pose Adjustment



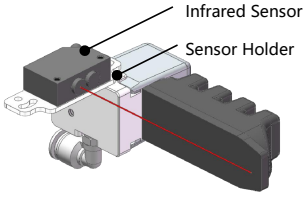
Fixation



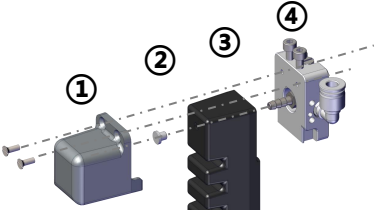
Air Intake



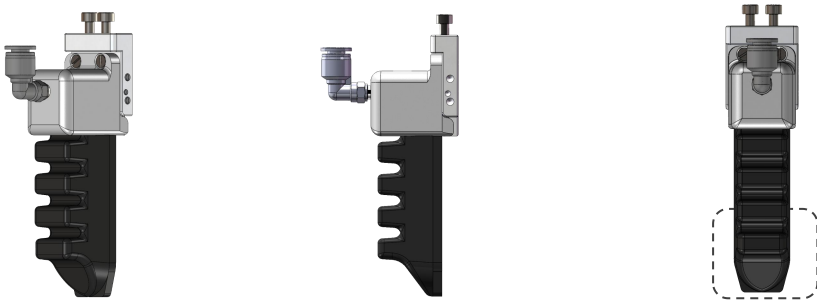
Sensor Installation

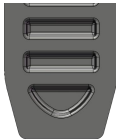





Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A5V3/LS1[P] | | FM-A5V3/LS1[PAS] | | FM-A5V3/LS1[H] | | FM-A5V3/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 | ⚠ 120 |  280 | 91 | 24.5 | 16 | ⚠ 300 |  400 | 91 |

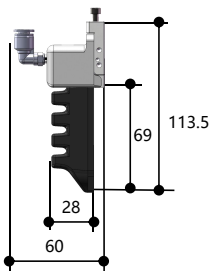
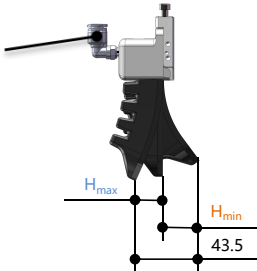


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



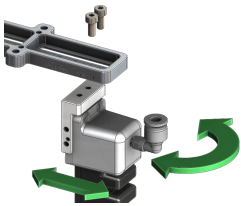
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint (rotatable)

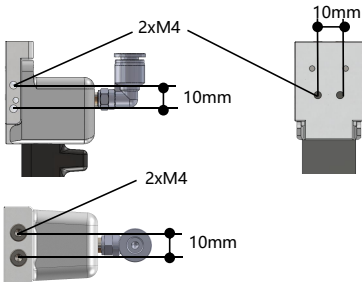
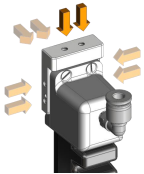


The measuring unit: [mm]

Pose Adjustment



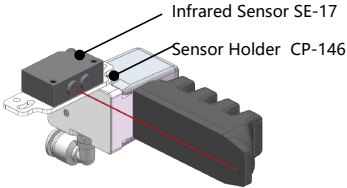
Fixation



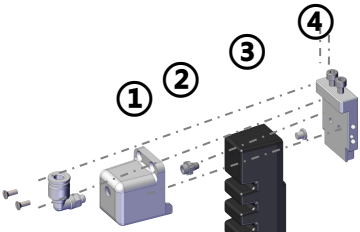
Air Intake



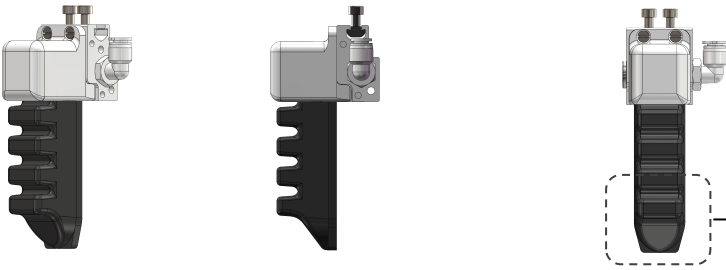
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

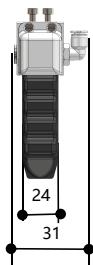
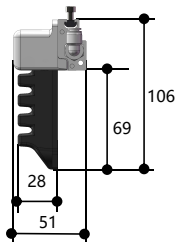
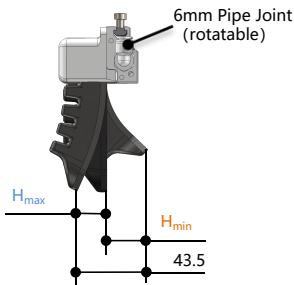


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|--|---|------------|
| FM-A5V4/LS1[P] | | FM-A5V4/LS1[PAS] | | | FM-A5V4/LS1[H] | | FM-A5V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  280 | 111 | 24.5 | 16 |  300 |  400 | 111 |

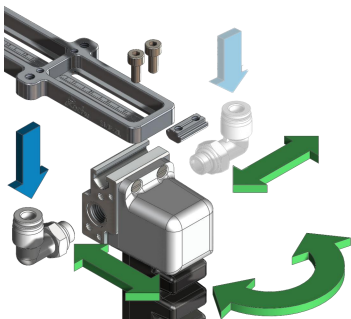
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

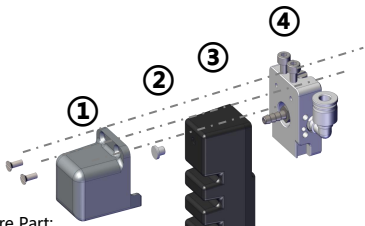


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

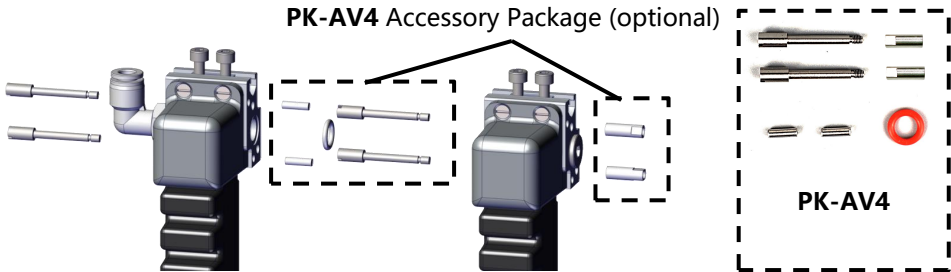


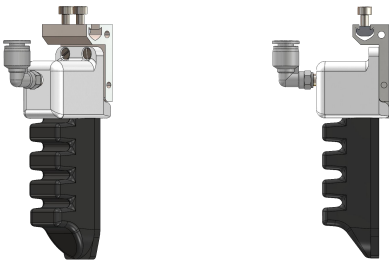
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



Series combination:





1. Build multiple finger modules in series to increase the grip force.
2. It can realize the seamless splicing between fingers and share the air inlet to save space.


*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

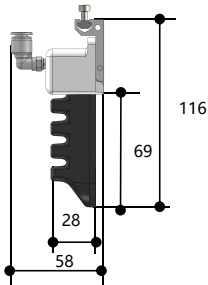
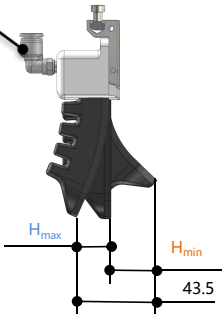
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V5/LS1[P] | | FM-A5V5/LS1[PAS] | | | FM-A5V5/LS1[H] | | FM-A5V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  280 | 90 | 24.5 | 16 |  300 |  400 | 90 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

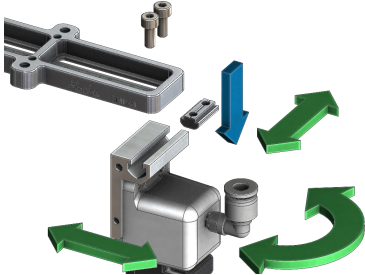
6mm Pipe Joint (rotatable)



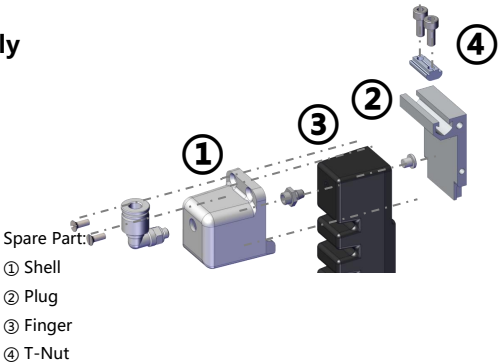
The measuring unit: [mm]



Air Intake & Pose Adjustment

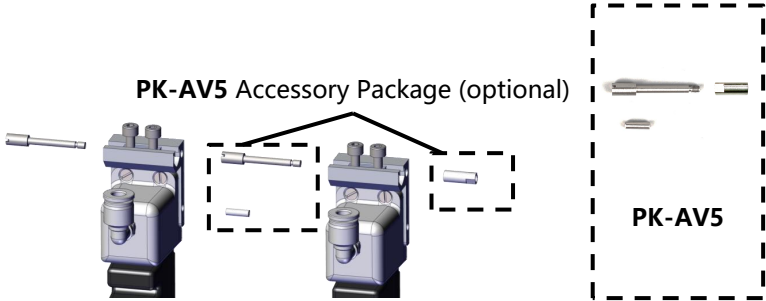


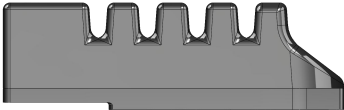
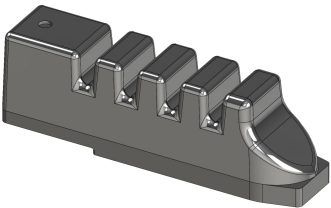
Assembly







Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



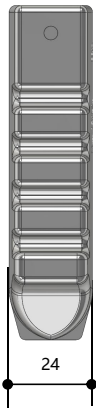
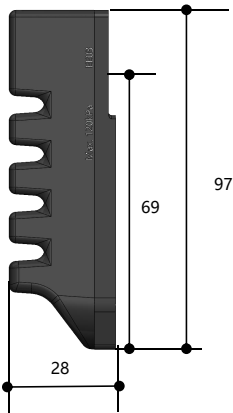
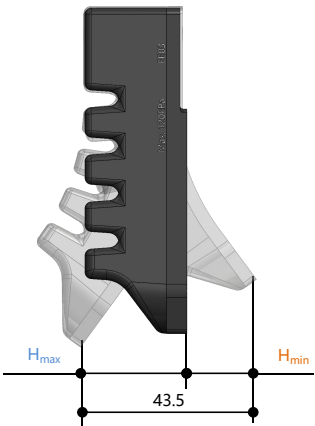


| Finger Pattern | | Features | | | | | | | |
|---|---|---|---|------------|---|---|---|---|------------|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-A5T/LS1[P] | | F-A5T/LS1[PAS] | | | F-A5T/LS1[H] | | | F-A5T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  280 | 47 | 24.5 | 16 |  300 |  400 | 47 |

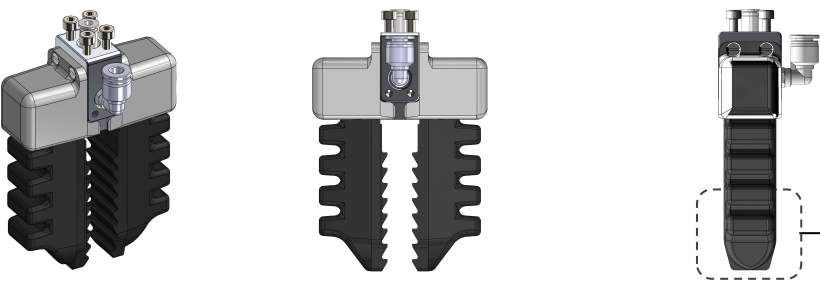
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters




Finger Module



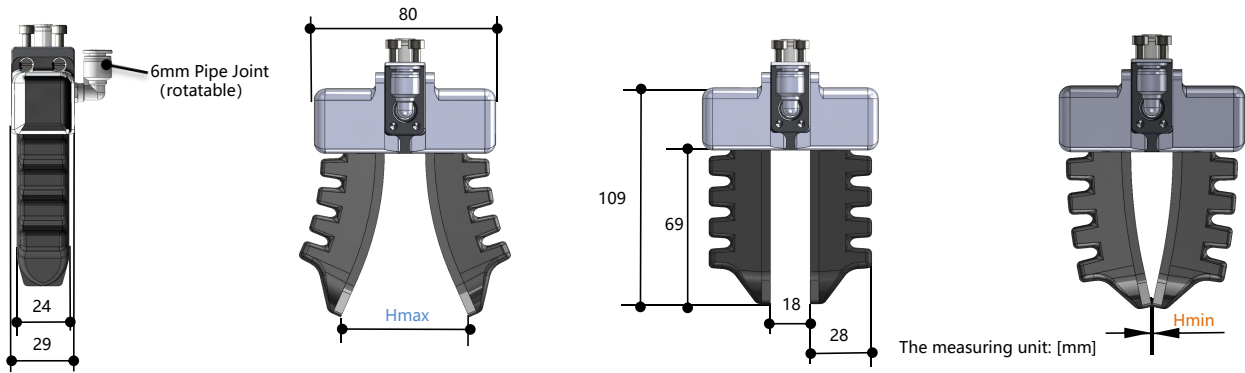
| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|---------------------------|--|--|
| FM-A5V1/LS8[P] | | | FM-A5V1/LS8[PAS] | | | FM-A5V1/LS8[H] | | | FM-A5V1/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 0 | 56 | ⚠ 120 |  560 | 181 | 0 | 50 | ⚠ 300 |  800 | 181 | | |

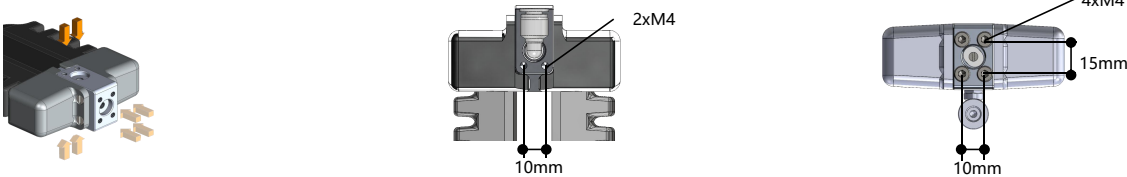
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

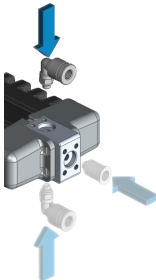
Finger Module



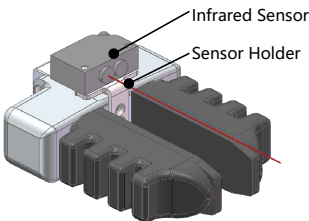
Fixation



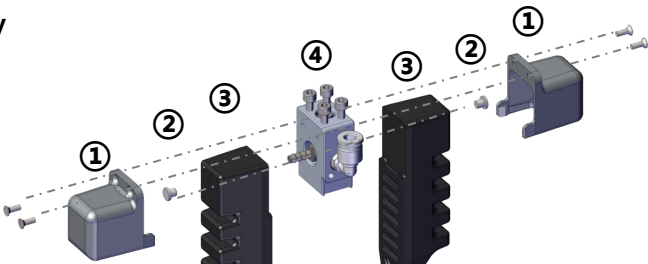
Air Intake



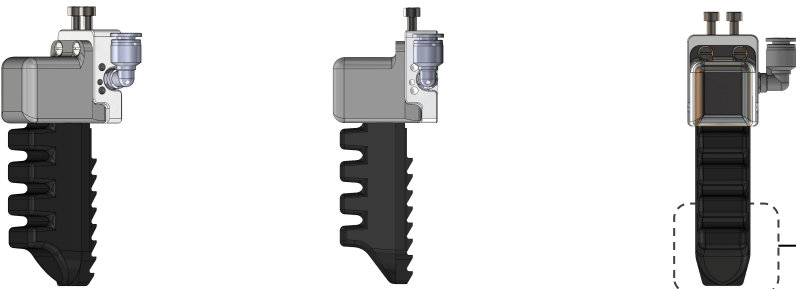
Sensor Installation






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

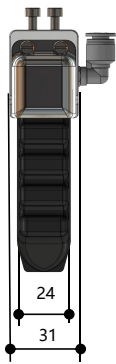
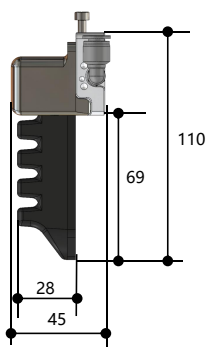
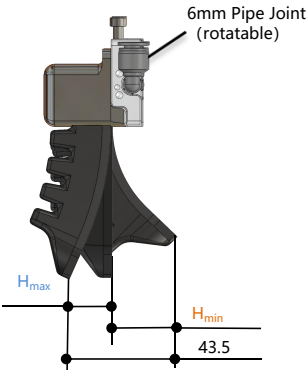


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-A5V2/LS8[P] | | | FM-A5V2/LS8[PAS] | | | FM-A5V2/LS8[H] | | | FM-A5V2/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 24.5 | 19 |  120 |  280 | 106 | 24.5 | 16 |  300 |  400 | 106 | | |

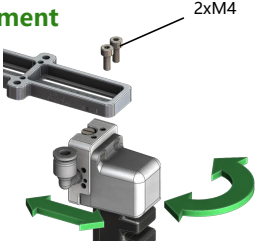
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

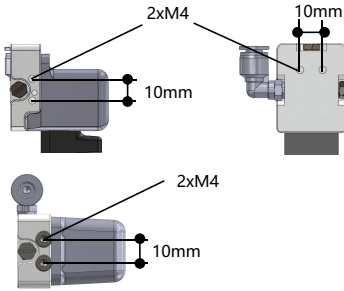
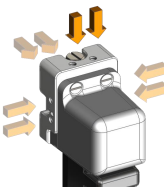


The measuring unit: [mm]

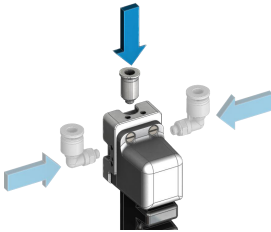
Pose Adjustment



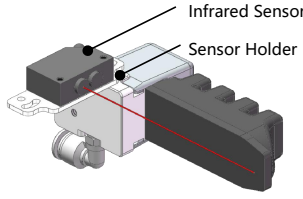
Fixation



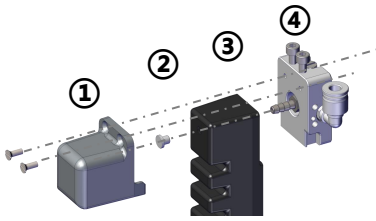
Air Intake



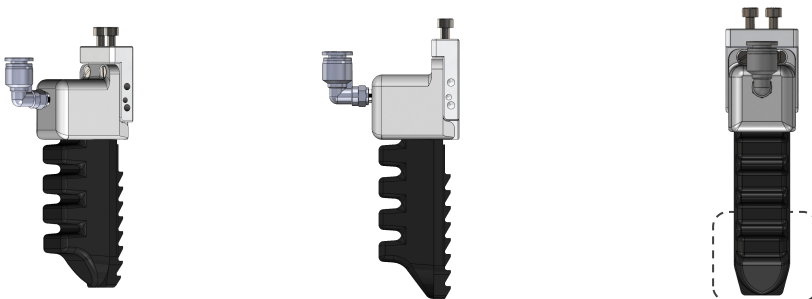
Sensor Installation






Assembly





- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

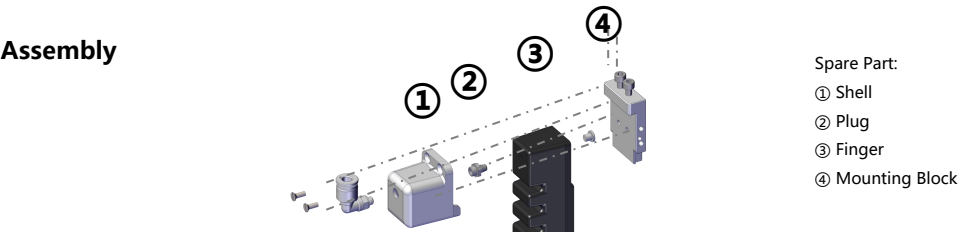
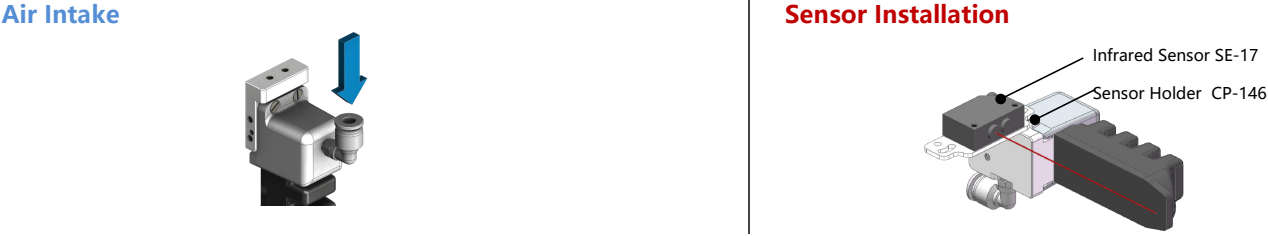
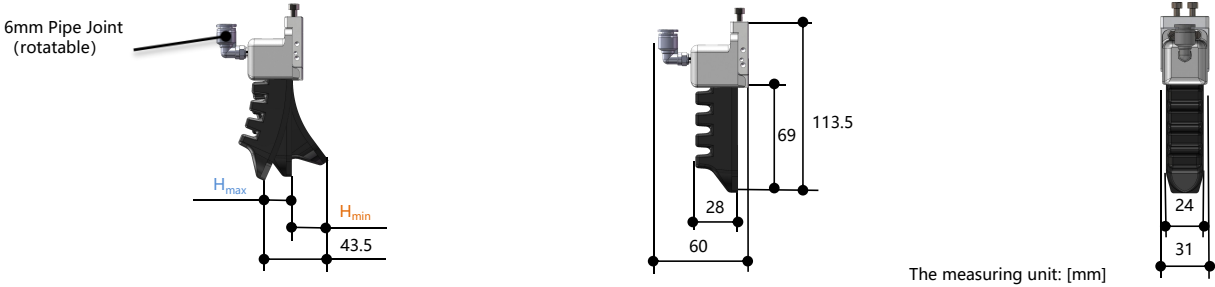


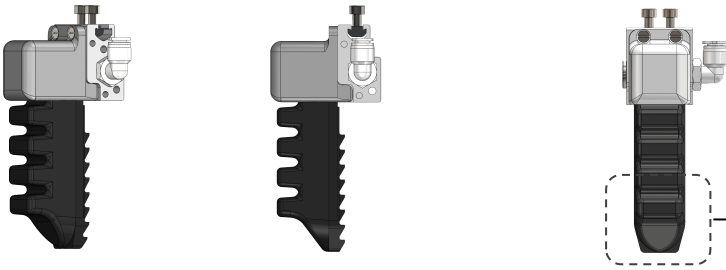
| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  | |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A5V3/LS8[P] | | FM-A5V3/LS8[PAS] | | FM-A5V3/LS8[H] | | FM-A5V3/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 | ⚠ 120 |  280 | 91 | 24.5 | 16 | ⚠ 300 |  400 | 91 |





 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



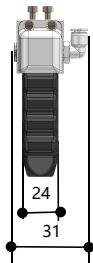
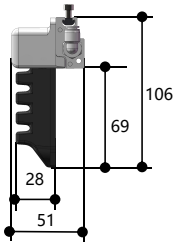
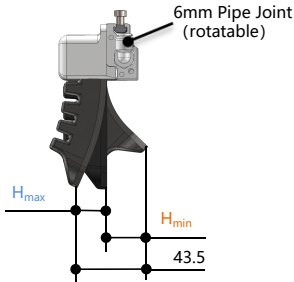


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V4/LS8[P] | | | FM-A5V4/LS8[PAS] | | FM-A5V4/LS8[H] | | | FM-A5V4/LS8[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  280 | 111 | 24.5 | 16 |  300 |  400 | 111 |

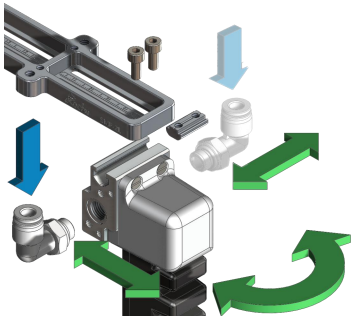
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

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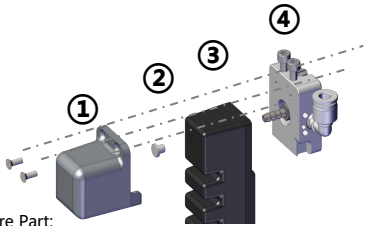


The measuring unit: [mm]

Air Intake & Pose Adjustment



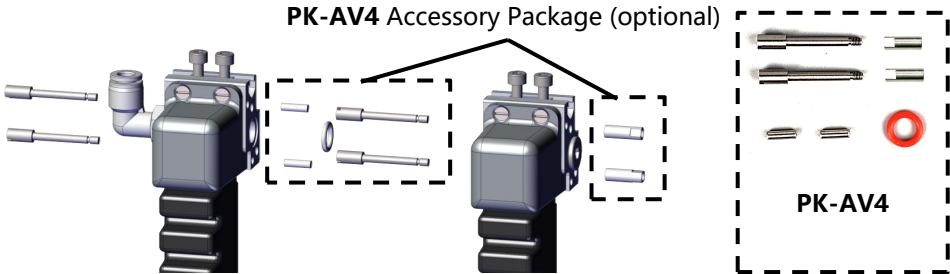
Assembly

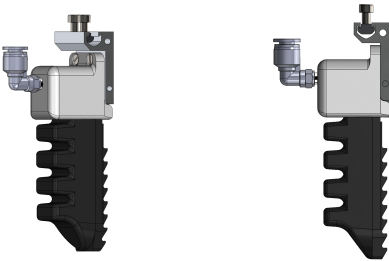


- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



Series combination:

- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



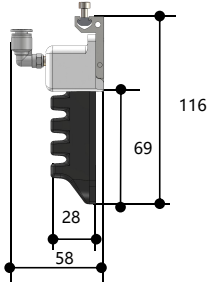
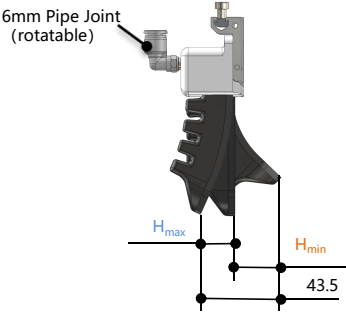


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V5/LS8[P] | | | FM-A5V5/LS8[PAS] | | FM-A5V5/LS8[H] | | | FM-A5V5/LS8[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  280 | 90 | 24.5 | 16 |  300 |  400 | 90 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

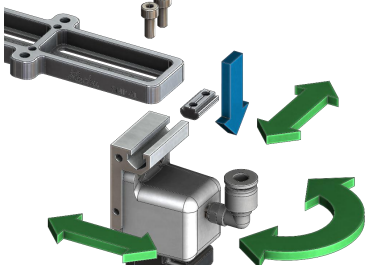
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



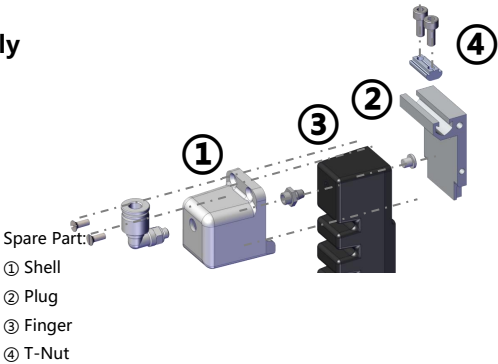
The measuring unit: [mm]



Air Intake & Pose Adjustment



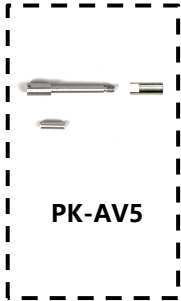
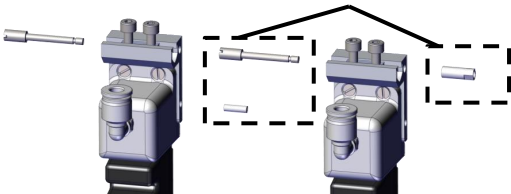
Assembly

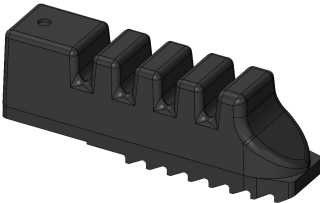




Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

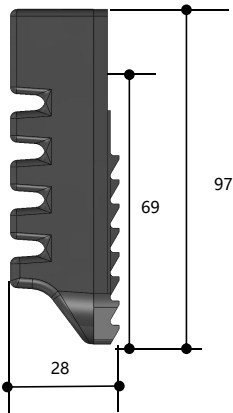
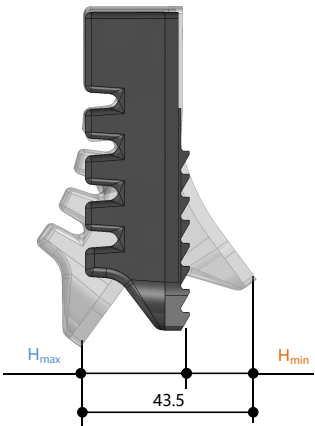
PK-AV5 Accessory Package (optional)



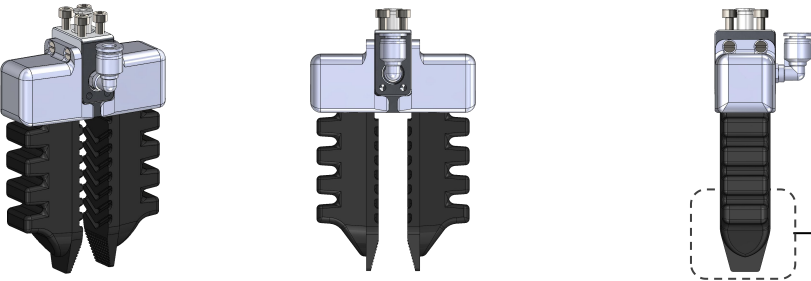




| Finger Pattern | | Features | | | | | | | |
|--|---|---|---------------------------------|---------------------------------|--|---|---|---------------------------------|------------|
| LS8 | Special Form | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. | | | | | | | |
| Normal Material F-A5T/LS8[P] | | Dust-free Normal Material F-A5T/LS8[PAS] | | Strong Material F-A5T/LS8[H] | | | Dust-free Strong Material F-A5T/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 | ⚠️ 120 | 🏋️ 280 | 47 | 24.5 | 16 | ⚠️ 300 | 🏋️ 400 | 47 |
|  Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime. | | | | |  The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples. | | | | |





Dimension Parameters




Finger Module



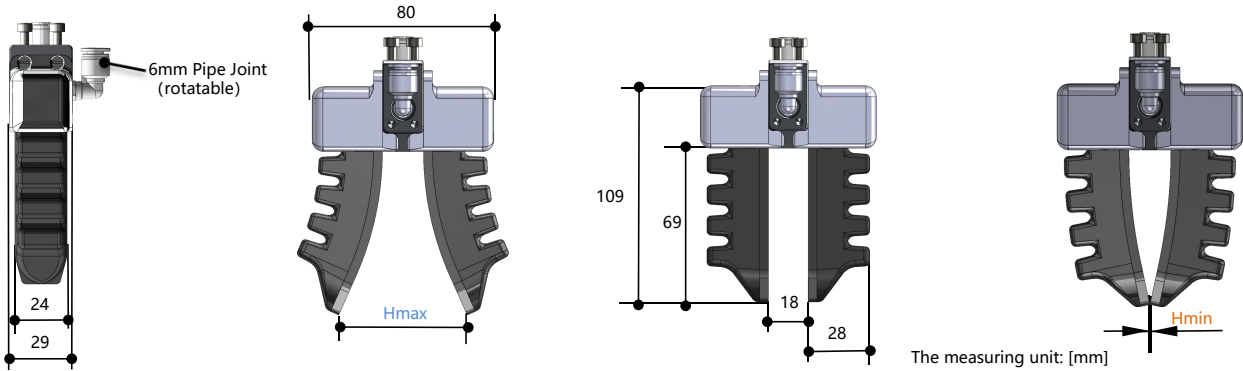
| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V1/FS3[P] | | FM-A5V1/FS3[PAS] | | | FM-A5V1/FS3[H] | | FM-A5V1/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 56 |  120 |  560 | 181 | 0 | 50 |  300 |  400 | 181 |

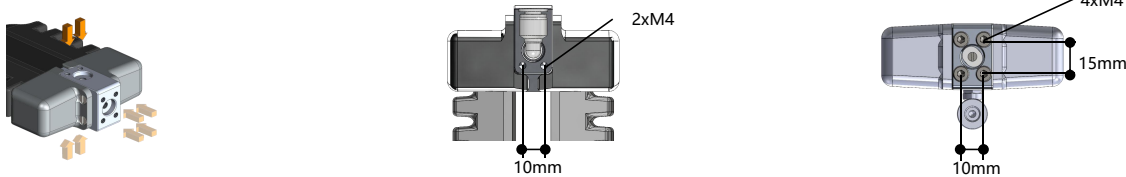
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

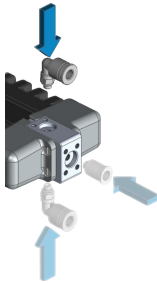
Finger Module



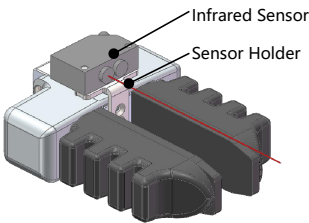
Fixation



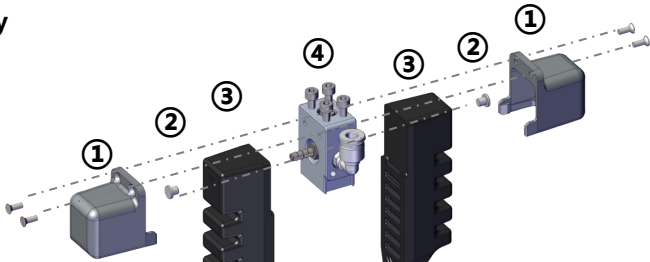
Air Intake



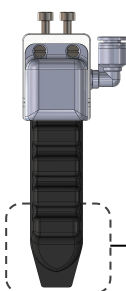
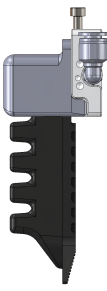
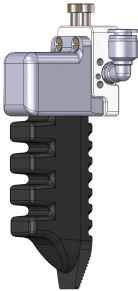
Sensor Installation









Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

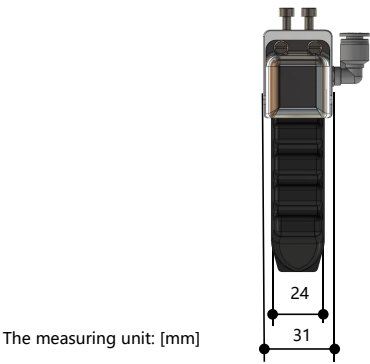
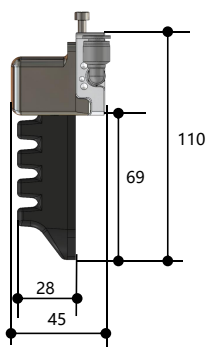
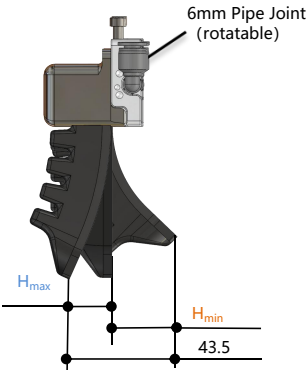


| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

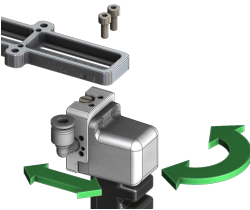
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V2/FS3[P] | | FM-A5V2/FS3[PAS] | | | FM-A5V2/FS3[H] | | FM-A5V2/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  560 | 106 | 24.5 | 16 |  300 |  400 | 106 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

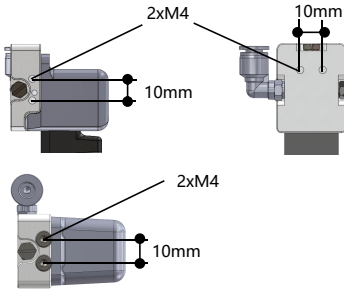
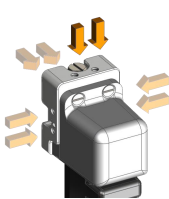
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



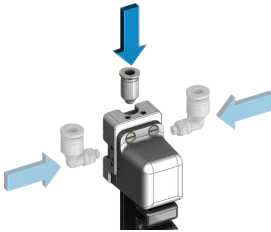
Pose Adjustment



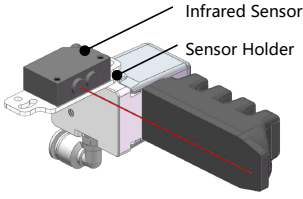
Fixation



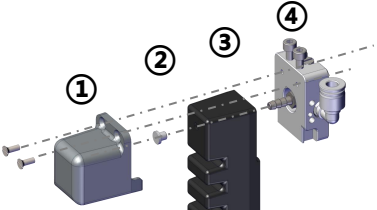
Air Intake



Sensor Installation

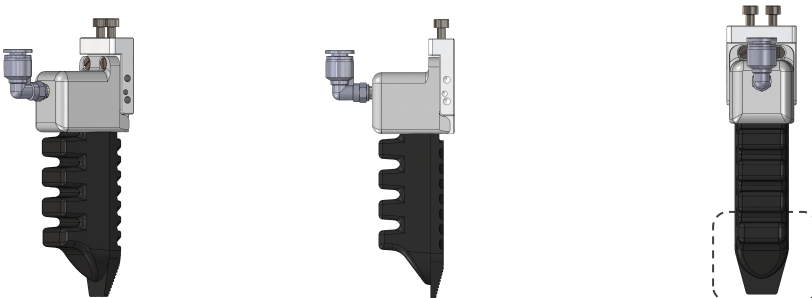




Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|------------------------------------|-----------------|---|---|------------------------|------------------------------------|---------------|
| FM-A5V3/FS3[P] | | FM-A5V3/FS3[PAS] | | FM-A5V3/FS3[H] | | FM-A5V3/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 | ⚠ 120 | 📏 560 | 91 | 24.5 | 16 | ⚠ 300 | 📏 400 | 91 |



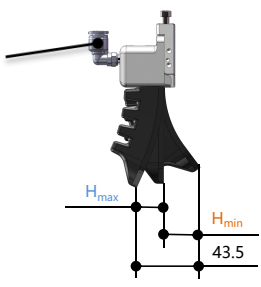
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

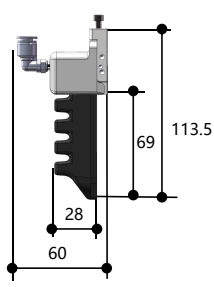



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

6mm Pipe Joint (rotatable)



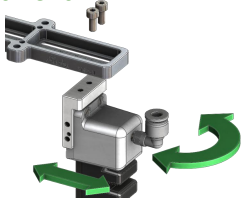




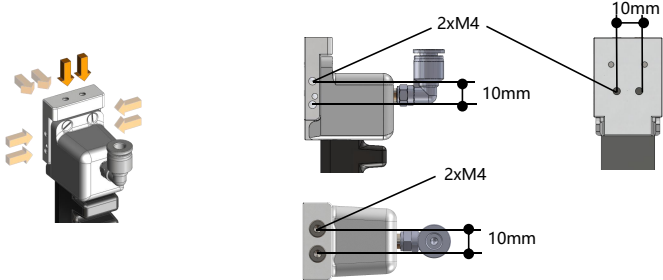
The measuring unit: [mm]

Pose Adjustment

Fix ation



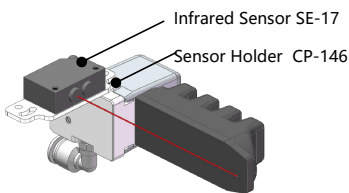
Fixation



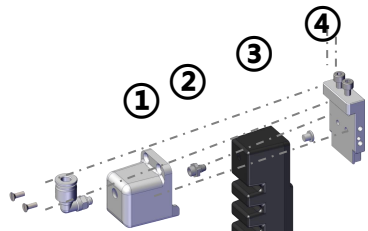
Air Intake



Sensor Installation

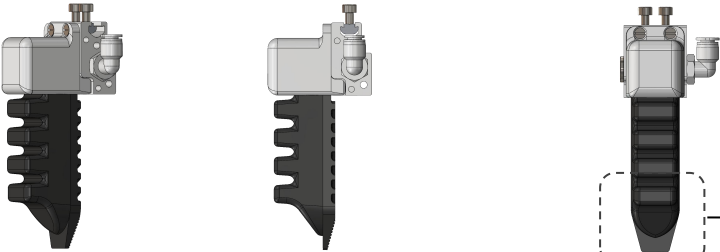


Assembly







Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

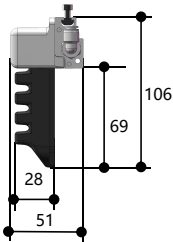
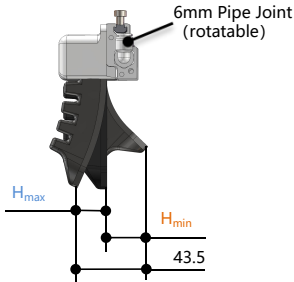


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

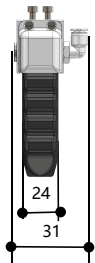
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-A5V4/FS3[P] | | | FM-A5V4/FS3[PAS] | | | FM-A5V4/FS3[H] | | | FM-A5V4/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 24.5 | 19 |  120 |  560 | 111 | 24.5 | 16 |  300 |  400 | 111 | | |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

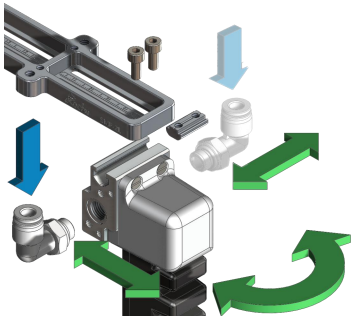
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



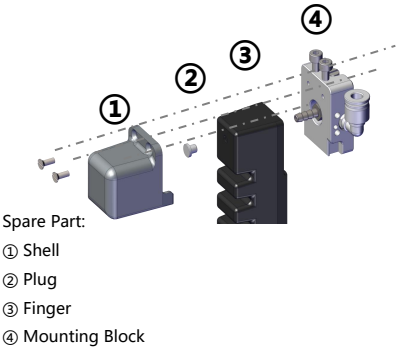
The measuring unit: [mm]



Air Intake & Pose Adjustment

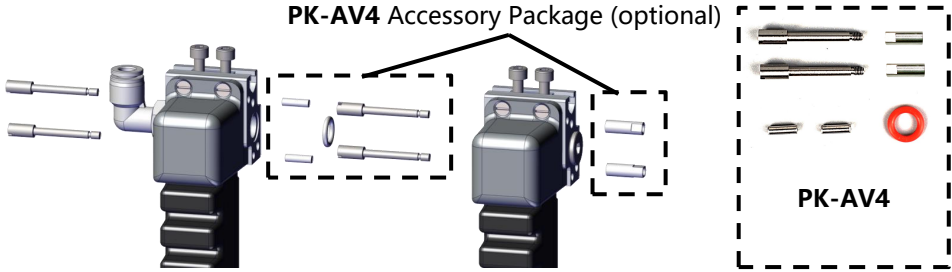


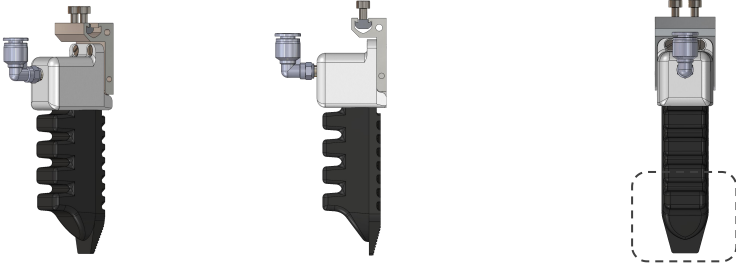
Assembly







Series combination:


1. Build multiple finger modules in series to increase the grip force.
 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit (PK) containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




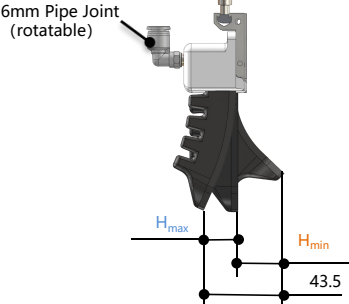


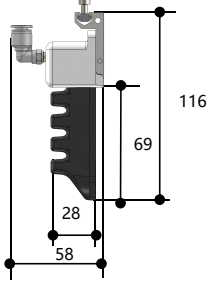
| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A5V5/FS3[P] | | FM-A5V5/FS3[PAS] | | FM-A5V5/FS3[H] | | FM-A5V5/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 | ⚠ 120 |  560 | 90 | 24.5 | 16 | ⚠ 300 |  400 | 90 |


 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

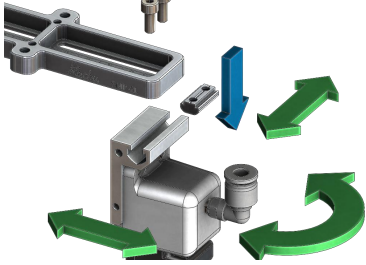




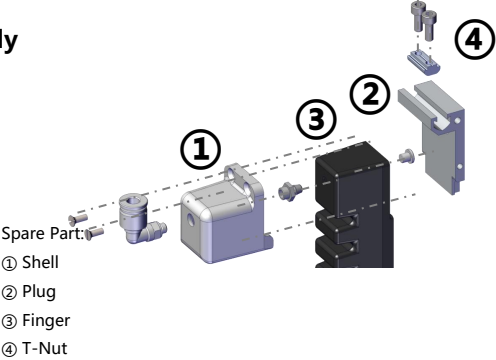
The measuring unit: [mm]



Air Intake & Pose Adjustment



Assembly

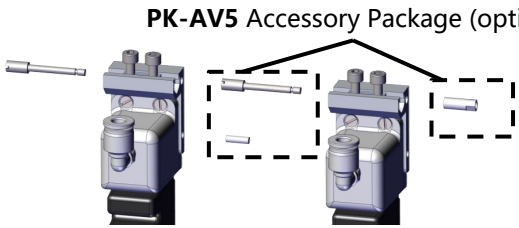


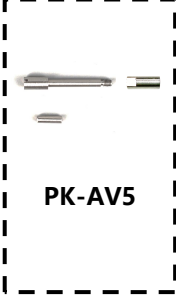
Spare Part:

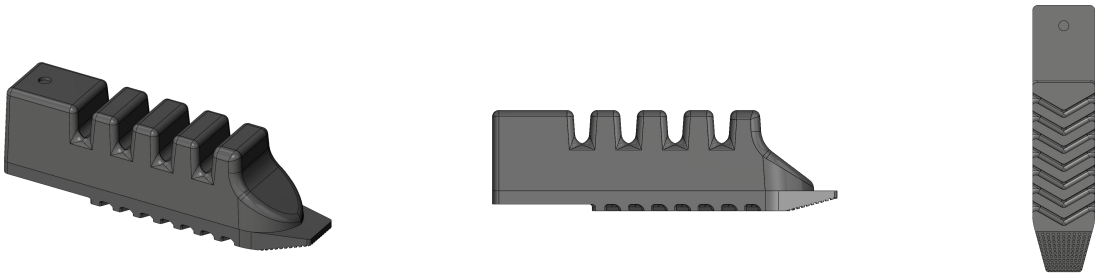
- ① Shell
- ② Plug
- ③ Finger
- ④ T-Nut

Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.







| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|------------------------------------|------------|---|---|---------------------|---------------------------------|------------|
| FS3 | Special Form | | Suitable for soft fabric products. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-A5T/FS3[P] | | | F-A5T/FS3[PAS] | | F-A5T/FS3[H] | | | F-A5T/FS3[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 | ⚠️ 120 | 📏 280 | 47 | 24.5 | 16 | ⚠️ 300 | 📏 400 | 47 |

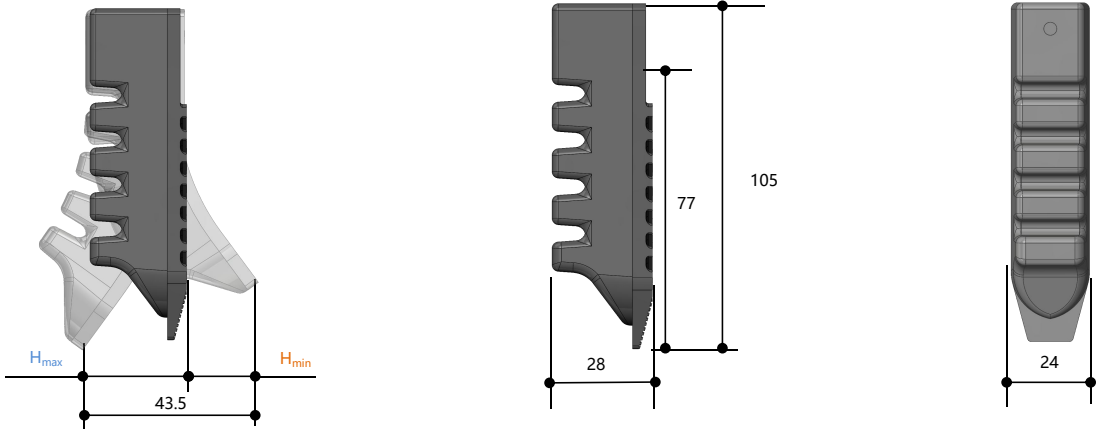


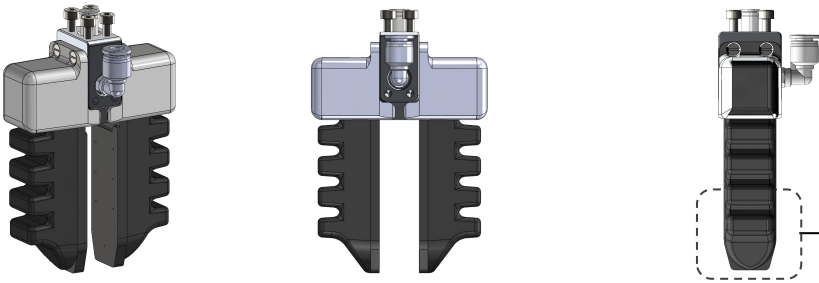
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.







The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Dimension Parameters






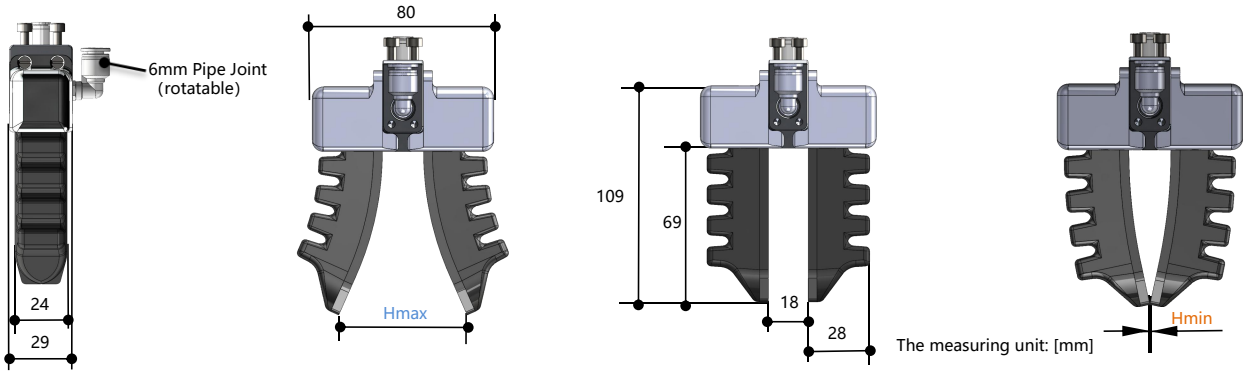
| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|---------------------------|--|--|
| FM-A5V1/LF1[P] | | | FM-A5V1/LF1[PAS] | | | FM-A5V1/LF1[H] | | | FM-A5V1/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 0 | 56 | ⚠ 120 |  560 | 181 | 0 | 50 | ⚠ 300 |  800 | 181 | | |

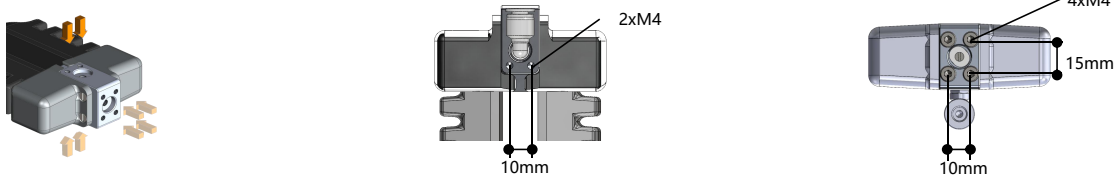
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

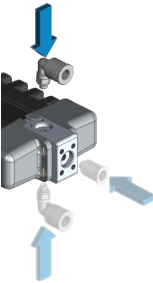
Finger Module



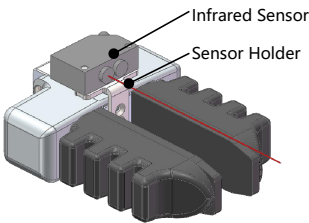
Fixation



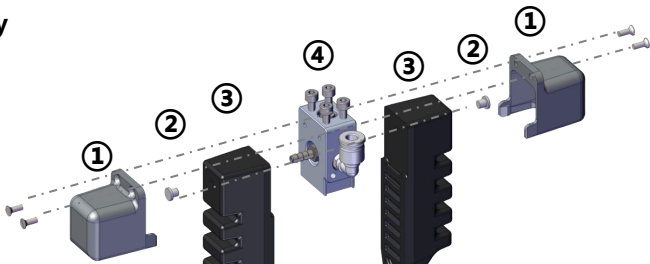
Air Intake



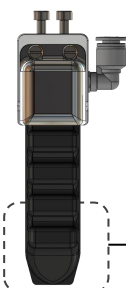
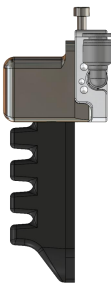
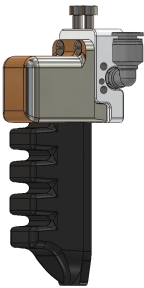
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

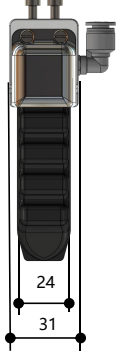
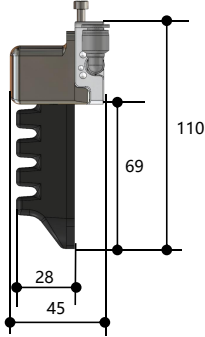
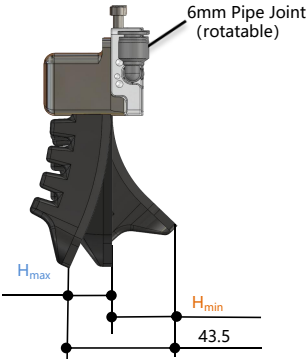


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V2/LF1[P] | | FM-A5V2/LF1[PAS] | | | FM-A5V2/LF1[H] | | FM-A5V2/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  280 | 106 | 24.5 | 16 |  300 |  400 | 106 |

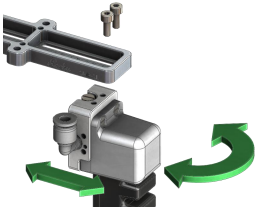
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

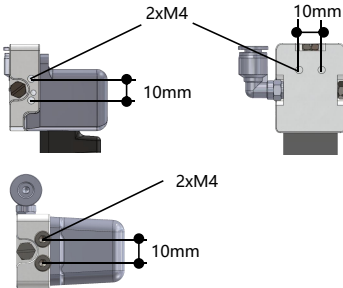
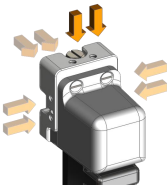


The measuring unit: [mm]

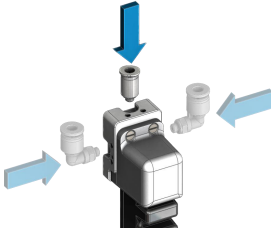
Pose Adjustment



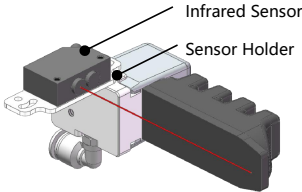
Fixation



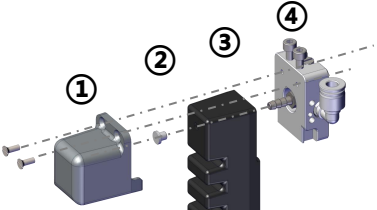
Air Intake



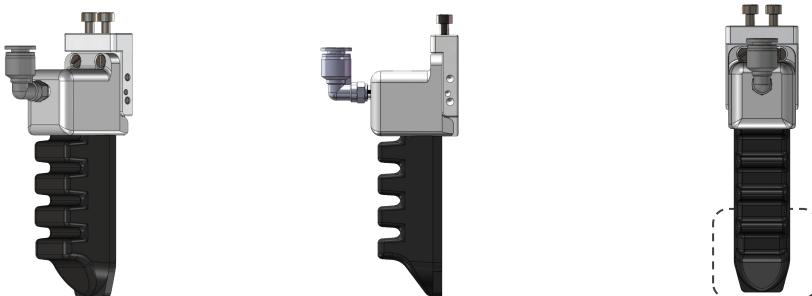
Sensor Installation







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

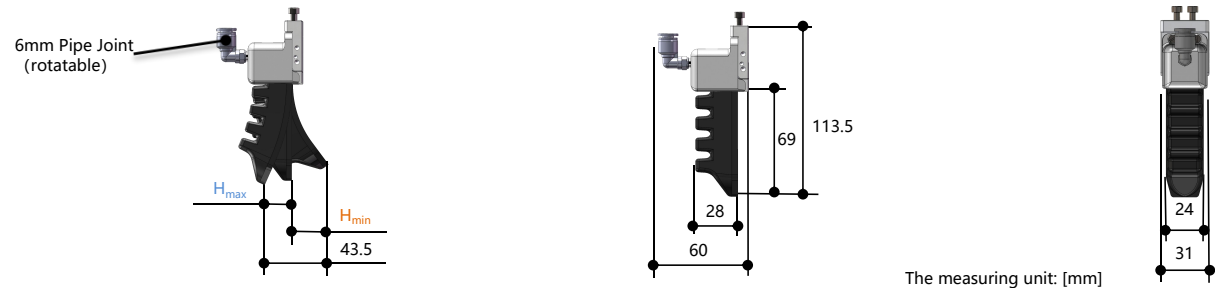
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A5V3/LF1[P] | | FM-A5V3/LF1[PAS] | | FM-A5V3/LF1[H] | | FM-A5V3/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 | ⚠ 120 |  280 | 91 | 24.5 | 16 | ⚠ 300 |  400 | 91 |



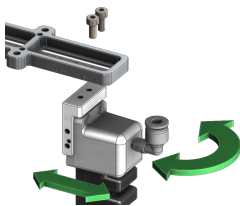
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



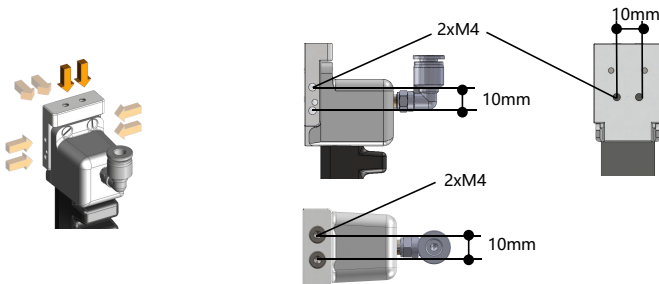
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment



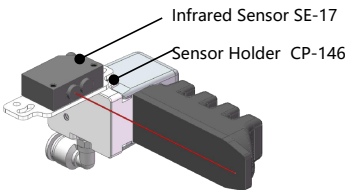
Fixation



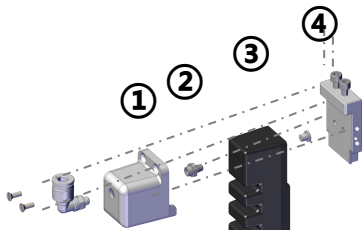
Air Intake



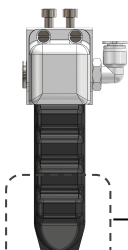
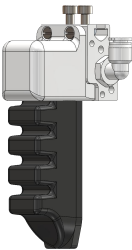
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

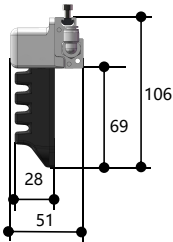
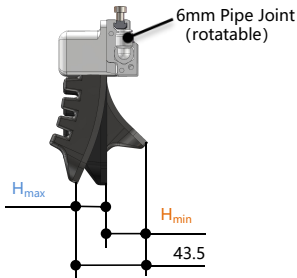


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

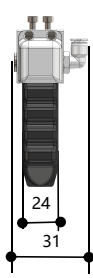
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V4/LF1[P] | | FM-A5V4/LF1[PAS] | | | FM-A5V4/LF1[H] | | FM-A5V4/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  280 | 111 | 24.5 | 16 |  300 |  400 | 111 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

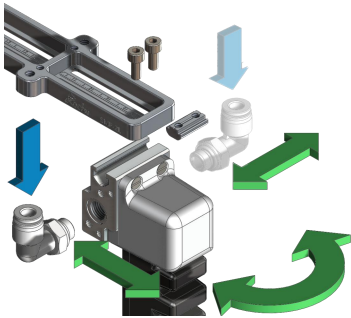
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



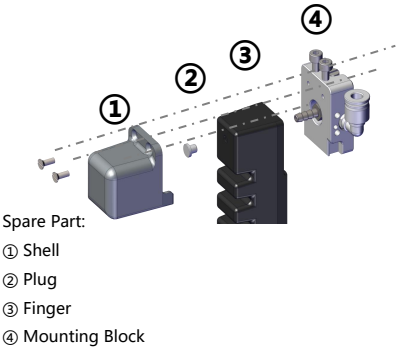
The measuring unit: [mm]



Air Intake & Pose Adjustment

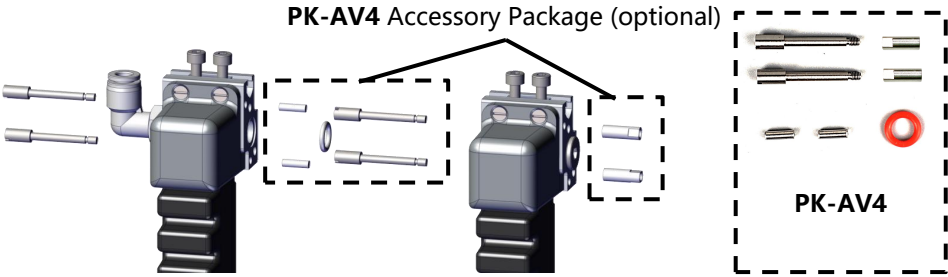


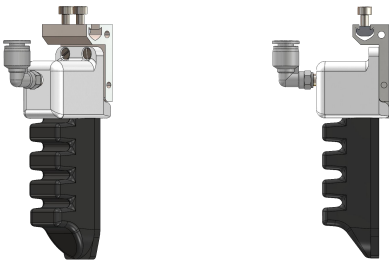
Assembly







Series combination:

- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





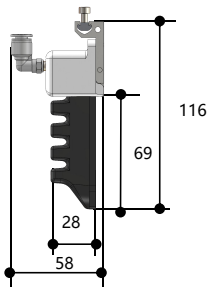
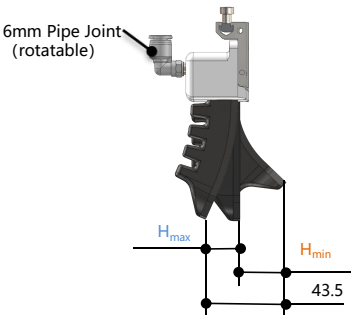
| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A5V5/LF1[P] | | | FM-A5V5/LF1[PAS] | | FM-A5V5/LF1[H] | | | FM-A5V5/LF1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 |  120 |  280 | 90 | 24.5 | 16 |  300 |  400 | 90 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

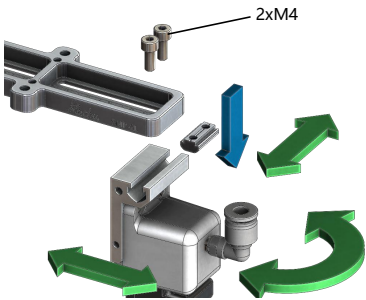
Finger Module



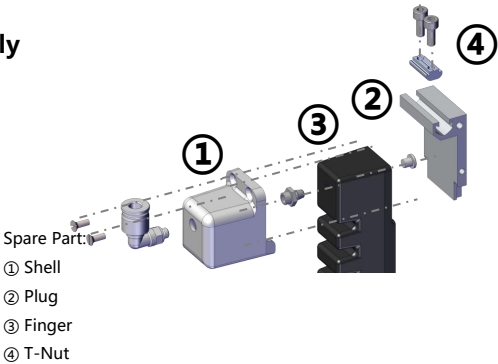
The measuring unit: [mm]



Air Intake & Pose Adjustment

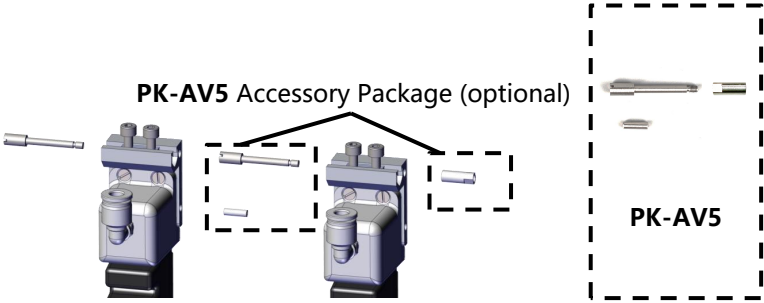


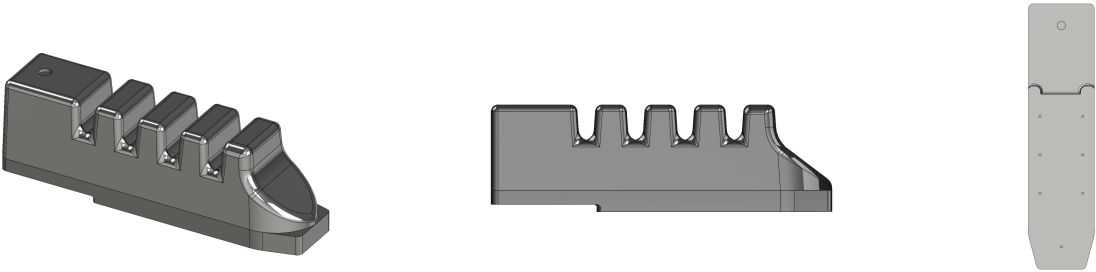
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---------------------------------|------------|
| LF1 | Special Form | | Suitable for smooth dry workpieces and soft food. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-A5T/LF1[P] | | | F-A5T/LF1[PAS] | | F-A5T/LF1[H] | | | F-A5T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24.5 | 19 | ⚠ 120 | 🍷 280 | 47 | 24.5 | 16 | ⚠ 300 | 🍷 400 | 47 |

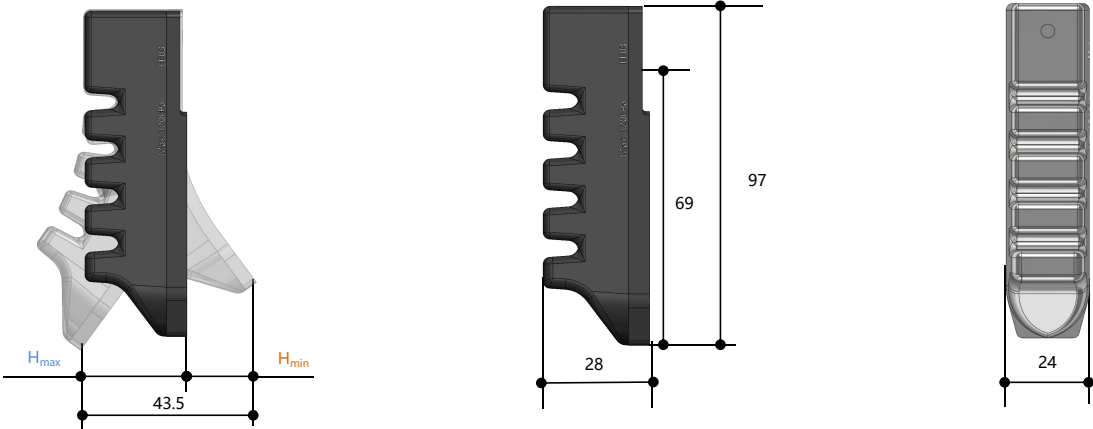


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

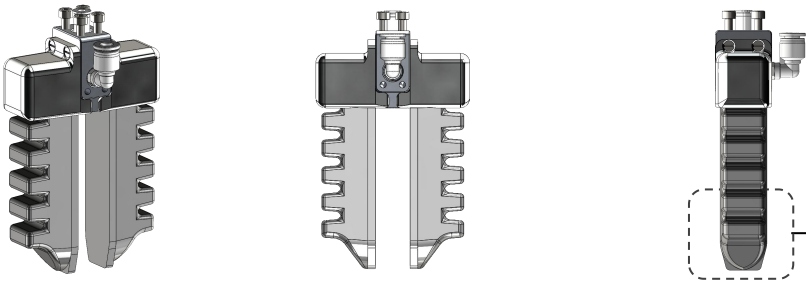


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



Finger Module



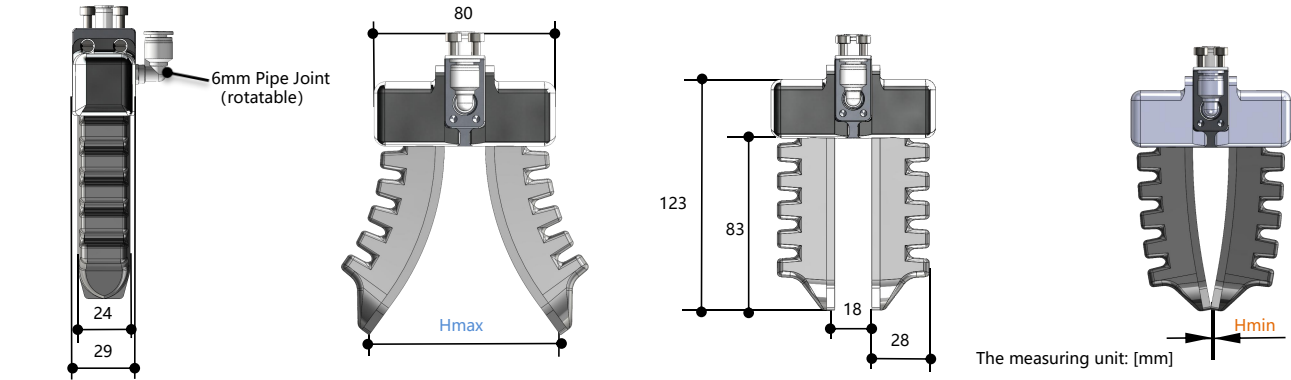
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V1/LS1[P] | | FM-A6V1/LS1[PAS] | | | FM-A6V1/LS1[H] | | FM-A6V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 84 |  120 |  460 | 195 | 0 | 62 |  300 |  830 | 195 |

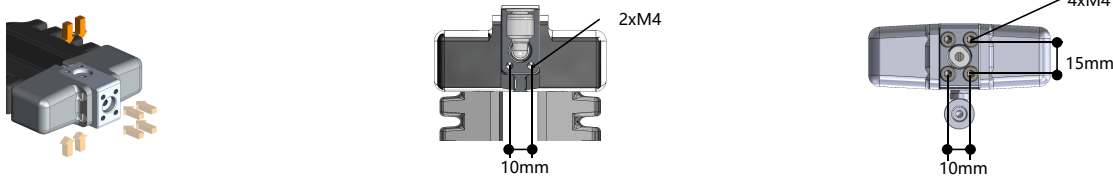
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

⚖ The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

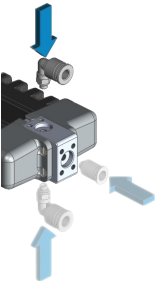
Finger Module



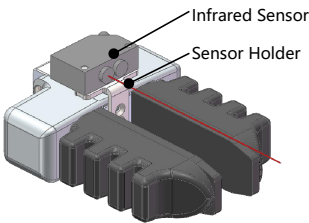
Fixation



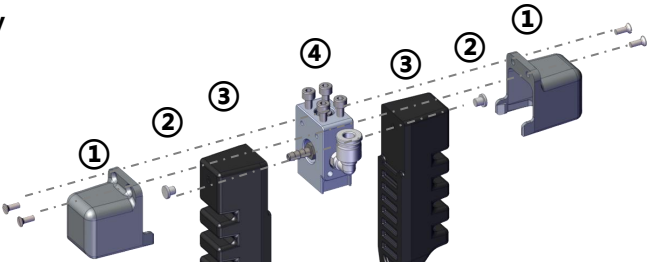
Air Intake



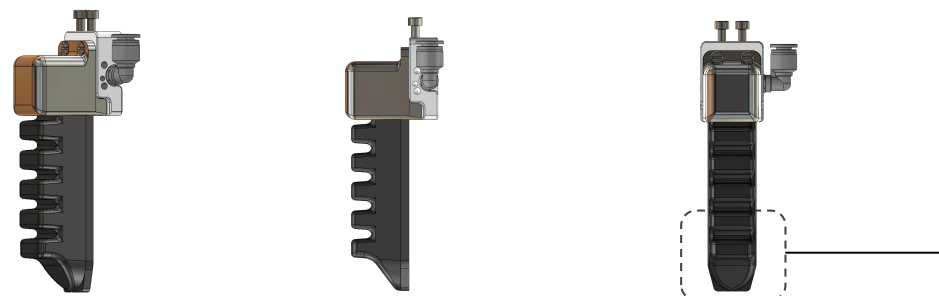
Sensor Installation

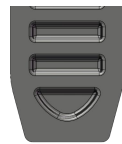





Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

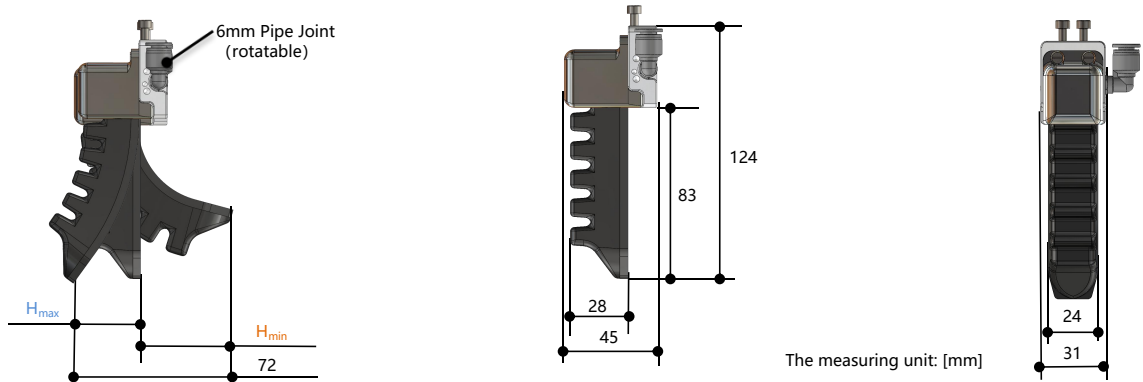
| | | | | | | | | | |
|---|---|---------------------------|---|--------------------|---|---|------------------------|---|---------------|
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-A6V2/LS1[P] | | FM-A6V2/LS1[PAS] | | FM-A6V2/LS1[H] | | FM-A6V2/LS1[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 | ⚠ 120 |  230 | 113 | 39 | 22 | ⚠ 300 |  415 | 113 |



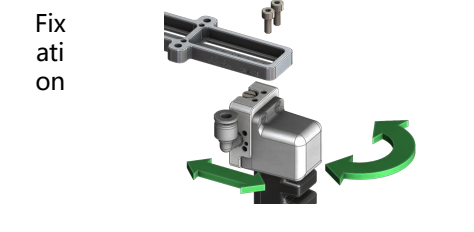
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



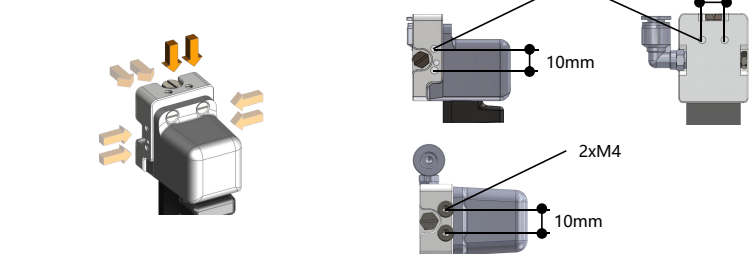
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



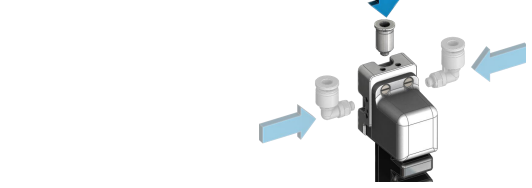
Pose Adjustment



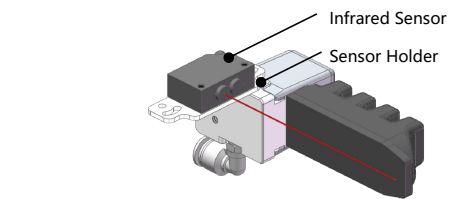
Fixation



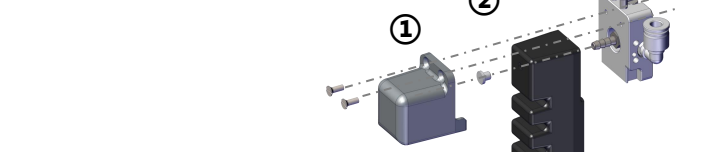
Air Intake



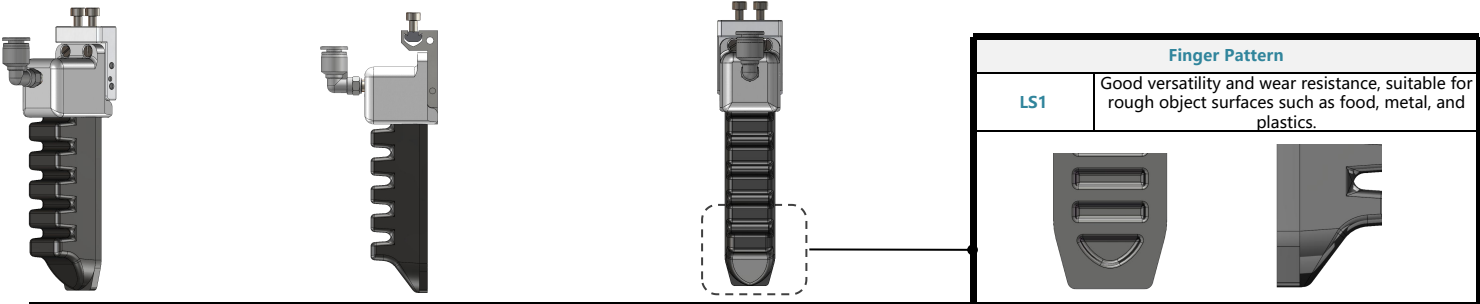
Sensor Installation







Assembly



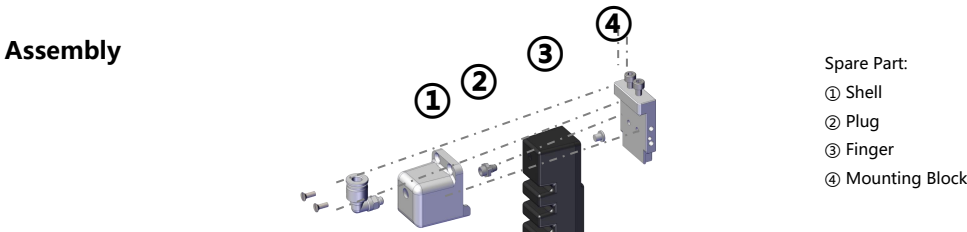
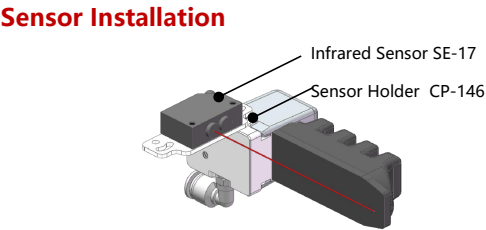
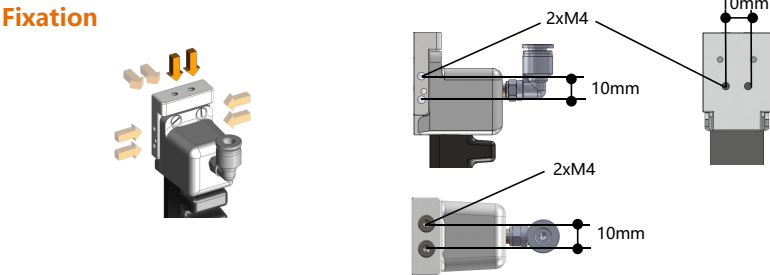
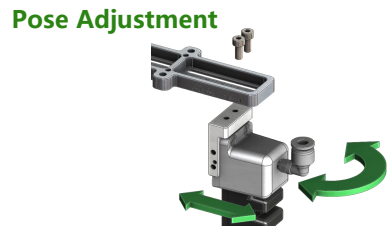
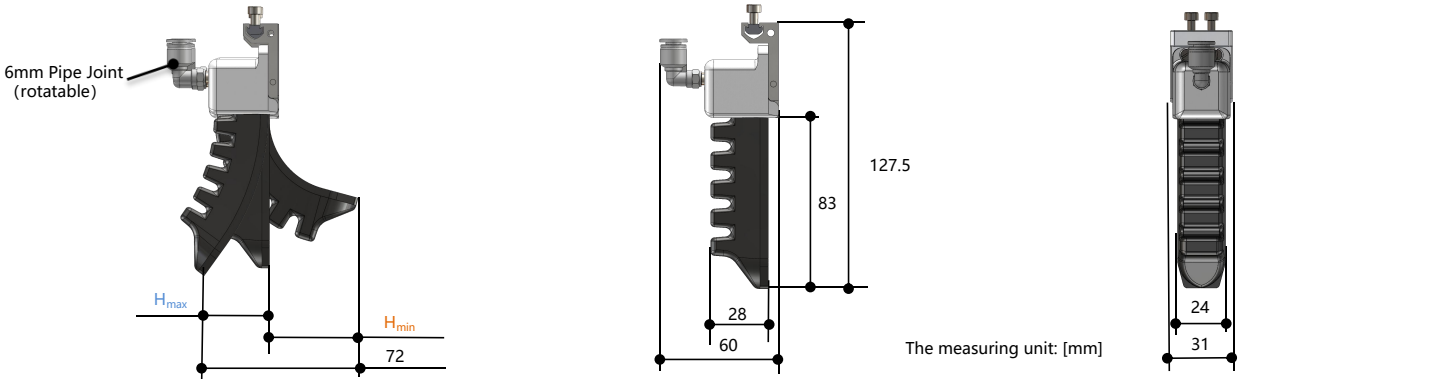
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

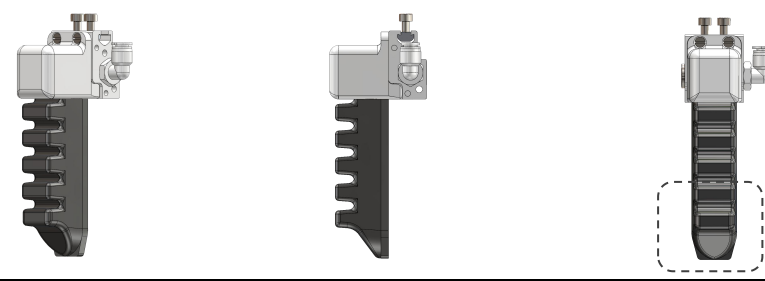


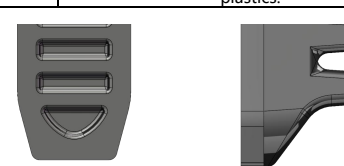
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V3/LS1[P] | | FM-A6V3/LS1[PAS] | | | FM-A6V3/LS1[H] | | FM-A6V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 98 | 39 | 22 |  300 |  415 | 98 |





Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  | |

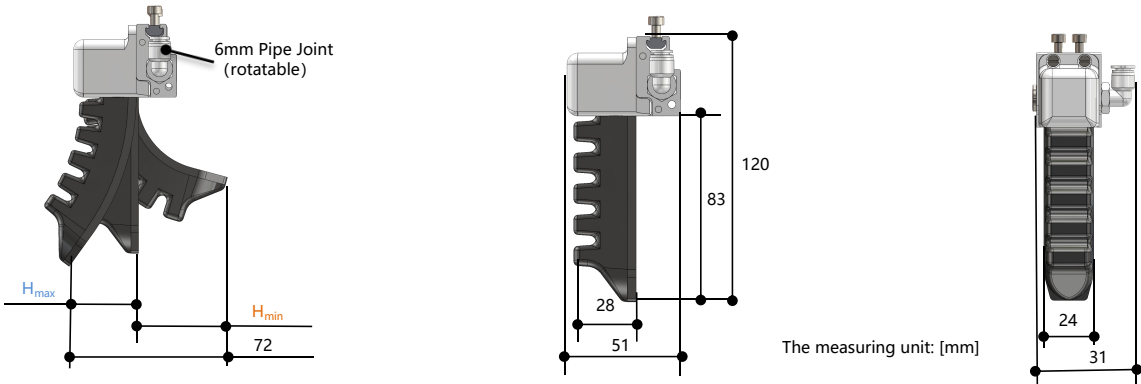
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V4/LS1[P] | | FM-A6V4/LS1[PAS] | | | FM-A6V4/LS1[H] | | FM-A6V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 119 | 39 | 22 |  300 |  415 | 119 |



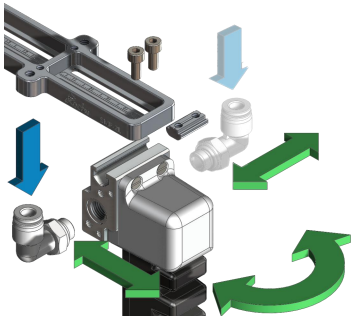
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



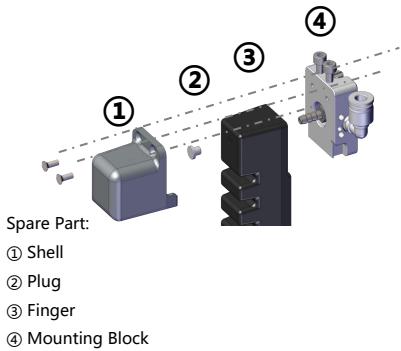
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

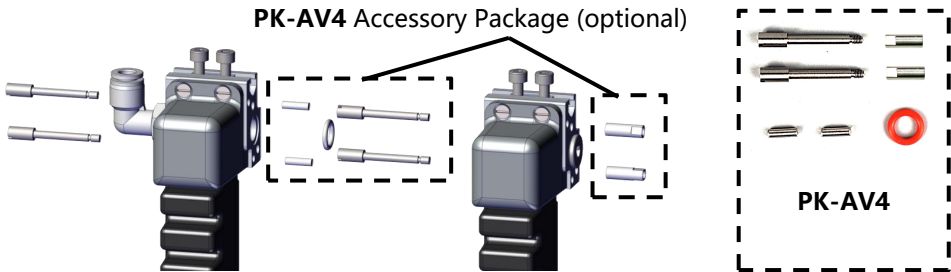


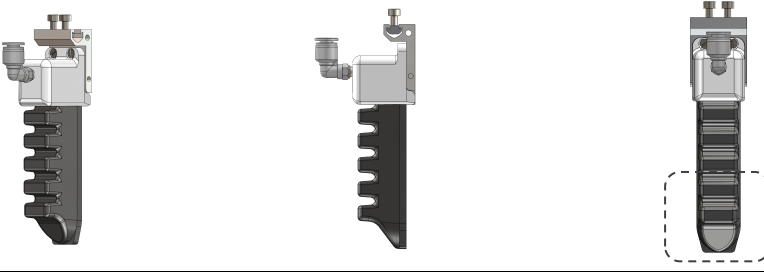
Assembly









Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V5/LS1[P] | | | FM-A6V5/LS1[PAS] | | FM-A6V5/LS1[H] | | | FM-A6V5/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 97 | 39 | 22 |  300 |  415 | 97 |

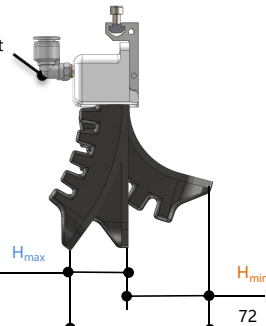


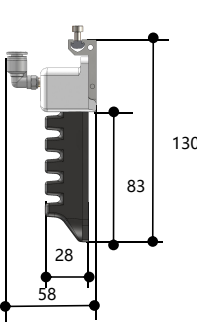
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.




The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint (rotatable)

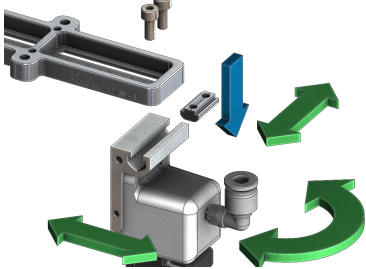




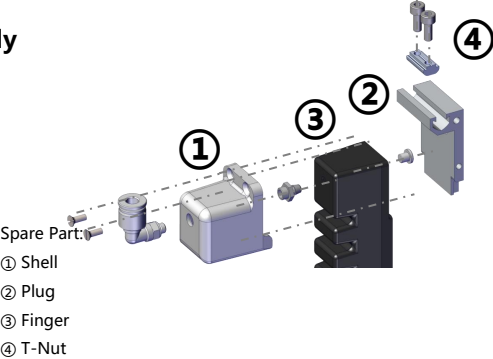
The measuring unit: [mm]



Air Intake & Pose Adjustment



Assembly

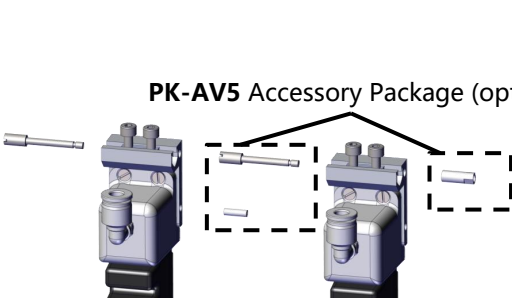


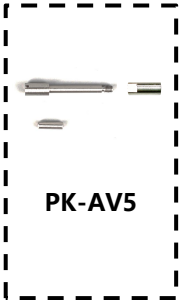
Spare Part:

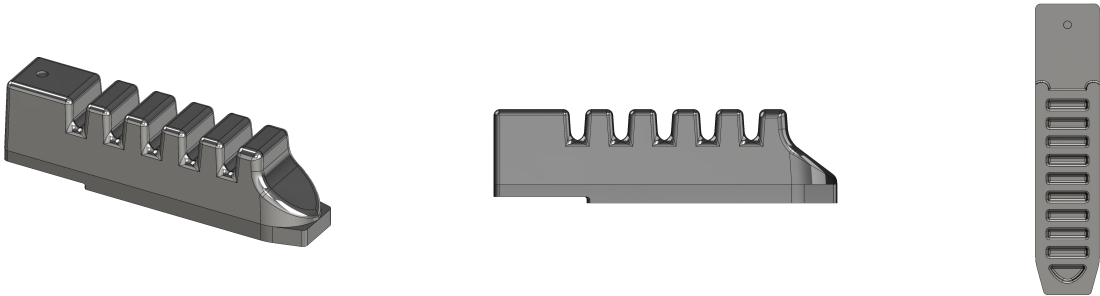
- ① Shell
- ② Plug
- ③ Finger
- ④ T-Nut



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





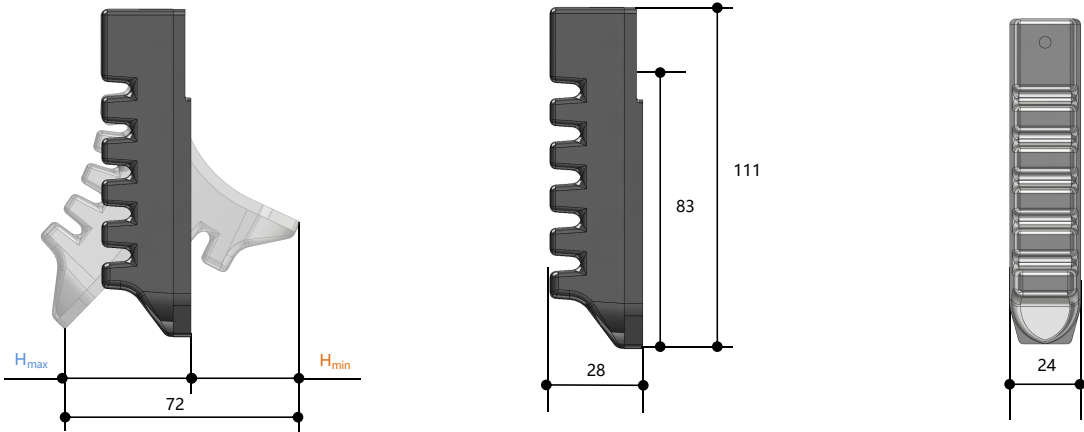


| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---|---|------------|
| LS1 | Standard form | | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | |
| Normal Material F-A6T/LS1[P] | | | Dust-free Normal Material F-A6T/LS1[PAS] | | Strong Material F-A6T/LS1[H] | | Dust-free Strong Material F-A6T/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 | ⚠ 120 |  230 | 55 | 39 | 22 | ⚠ 300 |  415 | 55 |

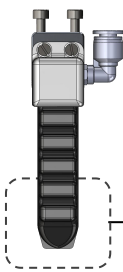
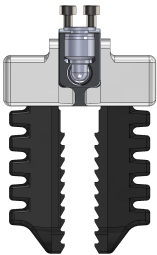
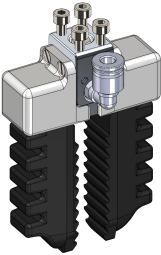
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



Finger Module



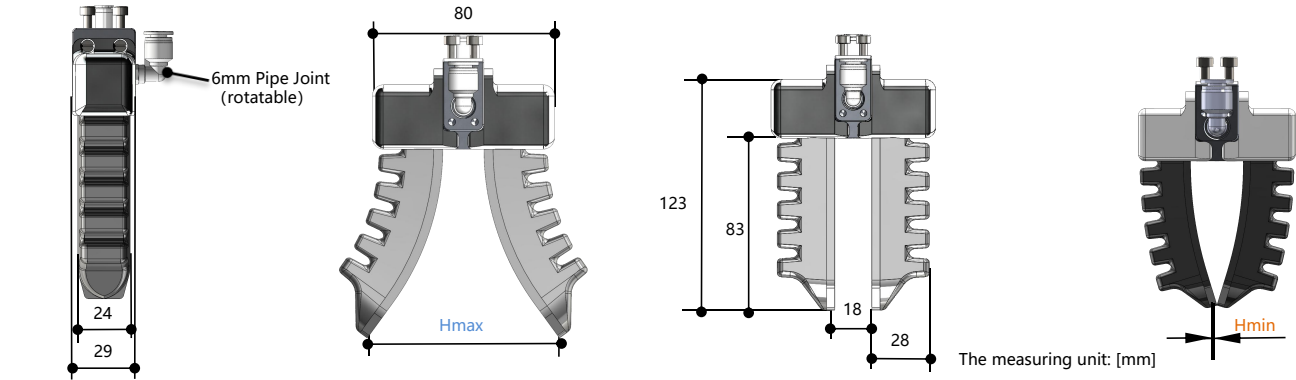
| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|---------------------------|--|--|
| FM-A6V1/LS8[P] | | | FM-A6V1/LS8[PAS] | | | FM-A6V1/LS8[H] | | | FM-A6V1/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 0 | 84 | ⚠ 120 | 📏 460 | 195 | 0 | 62 | ⚠ 300 | 📏 830 | 195 | | |

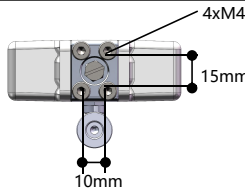
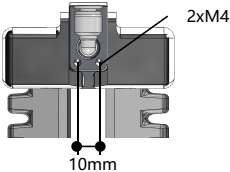
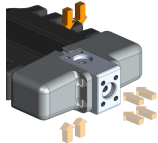
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

⚖ The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

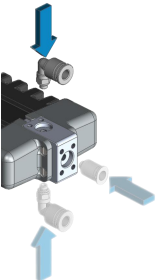
Finger Module



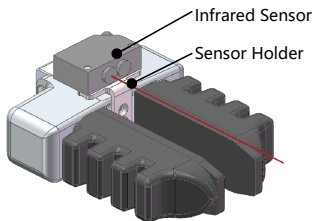
Fixation



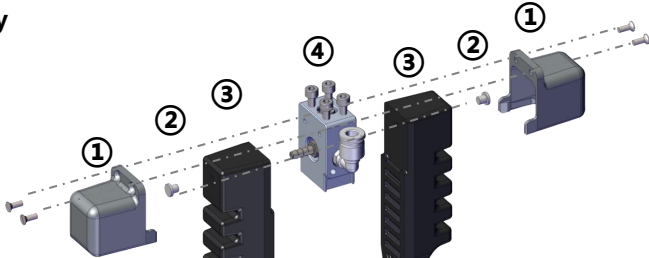
Air Intake



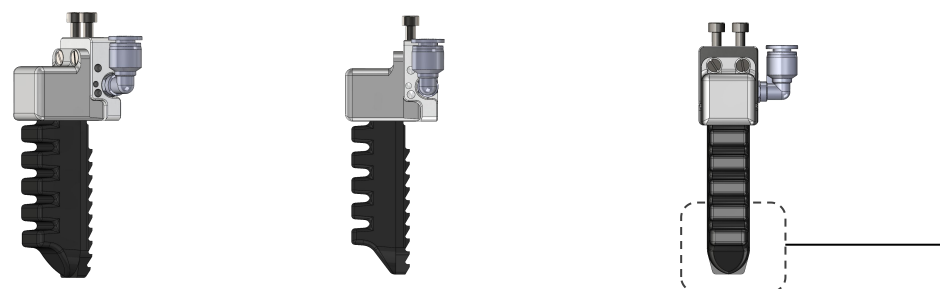
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

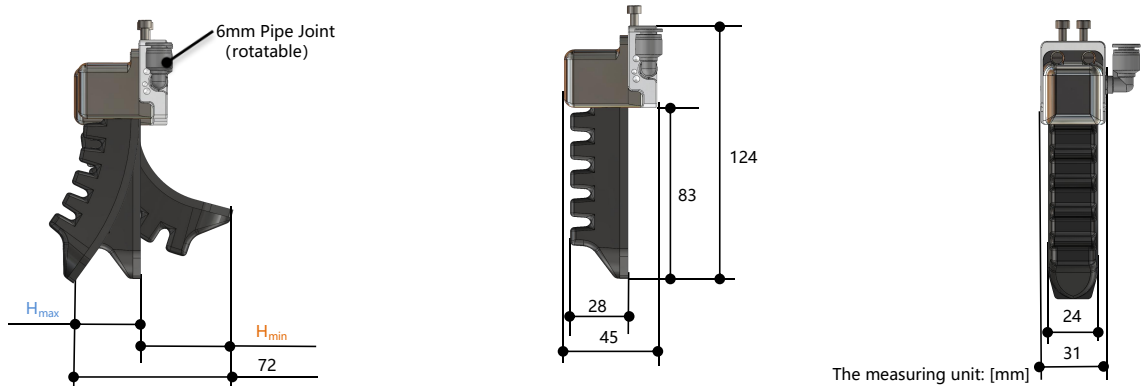
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A6V2/LS8[P] | | FM-A6V2/LS8[PAS] | | FM-A6V2/LS8[H] | | FM-A6V2/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 | ⚠ 120 |  230 | 113 | 39 | 22 | ⚠ 300 |  415 | 113 |



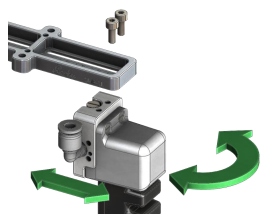
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



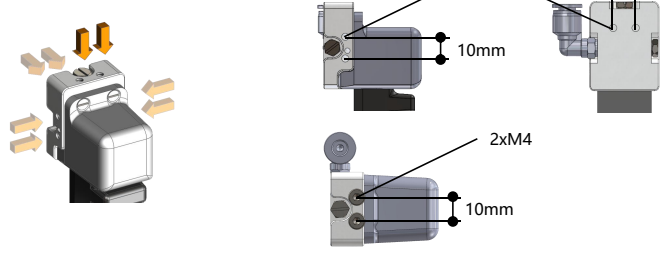
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



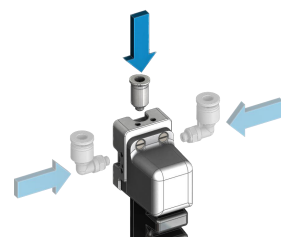
Pose Adjustment



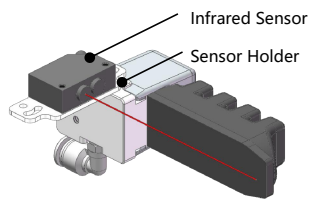
Fixation



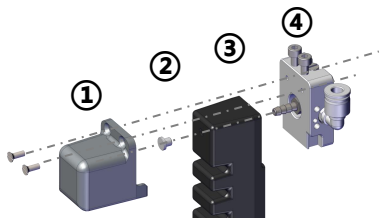
Air Intake



Sensor Installation



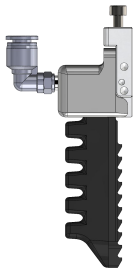
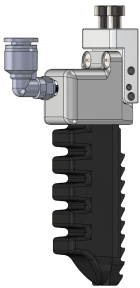
Assembly







Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

Finger Module

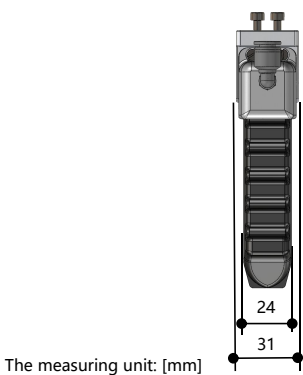
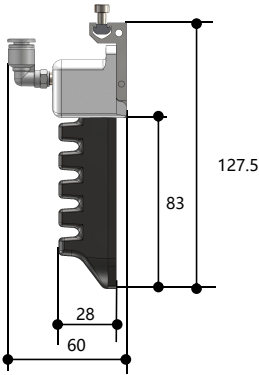
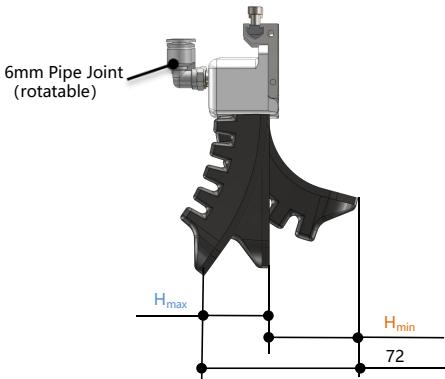


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------|
| FM-A6V3/LS8[P] | | FM-A6V3/LS8[PAS] | | | FM-A6V3/LS8[H] | | FM-A6V3/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 98 | 39 | 22 |  300 |  415 | 98 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

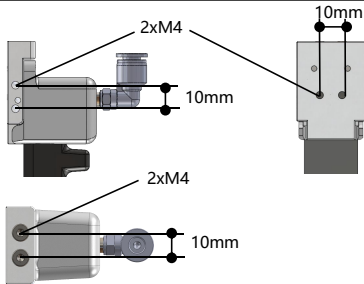
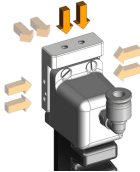
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment



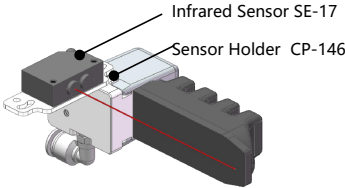
Fixation



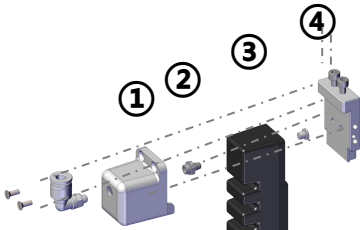
Air Intake



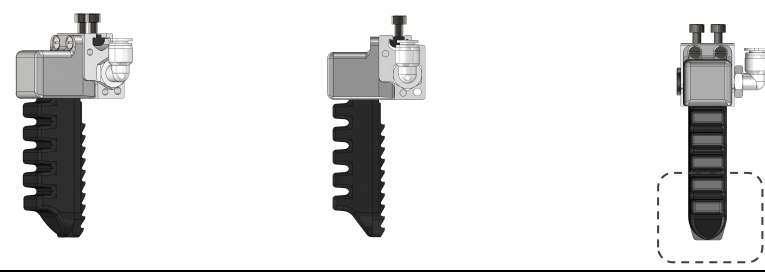
Sensor Installation






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

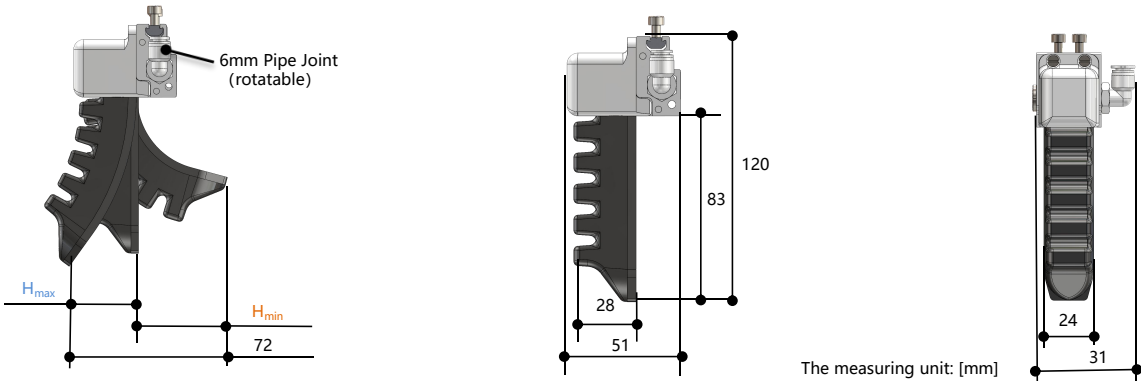
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|---------------------------|--|--|
| FM-A6V4/LS8[P] | | | FM-A6V4/LS8[PAS] | | | FM-A6V4/LS8[H] | | | FM-A6V4/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 39 | 33 | ⚠️ 120 |  230 | 110 | 39 | 22 | ⚠️ 300 |  415 | 119 | | |



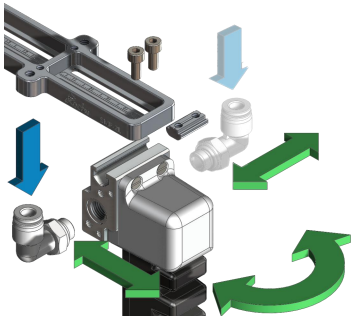
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



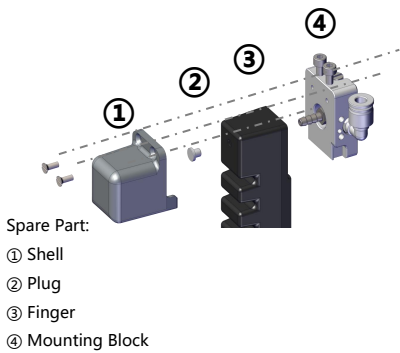
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

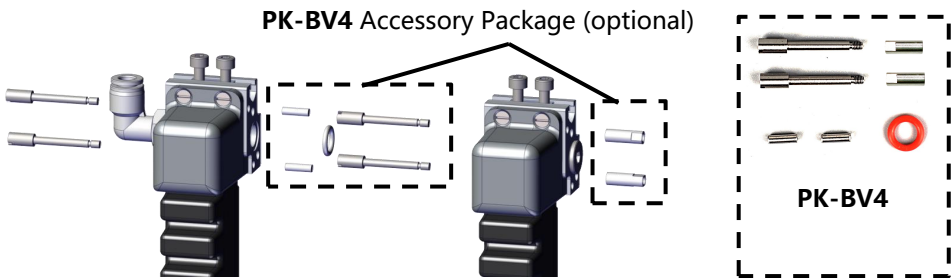


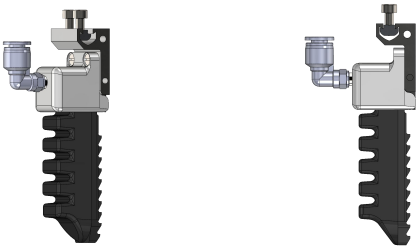
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



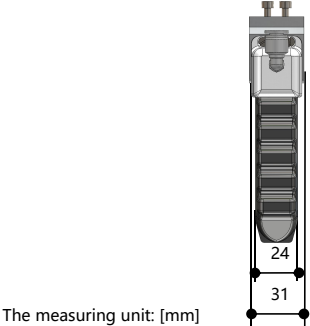
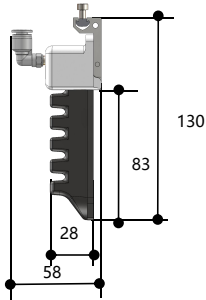
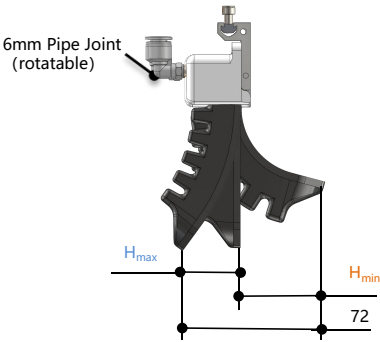


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------|
| FM-A6V5/LS8[P] | | FM-A6V5/LS8[PAS] | | | FM-A6V5/LS8[H] | | FM-A6V5/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 97 | 39 | 22 |  300 |  415 | 97 |

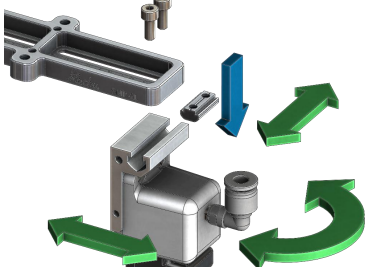
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

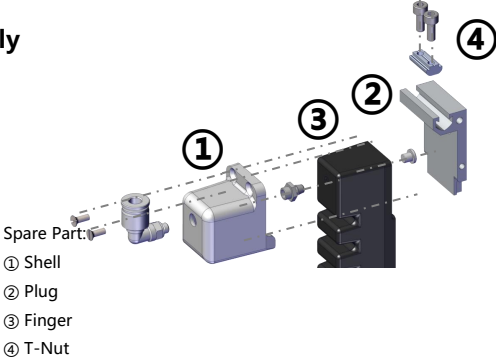


The measuring unit: [mm]

Air Intake & Pose Adjustment

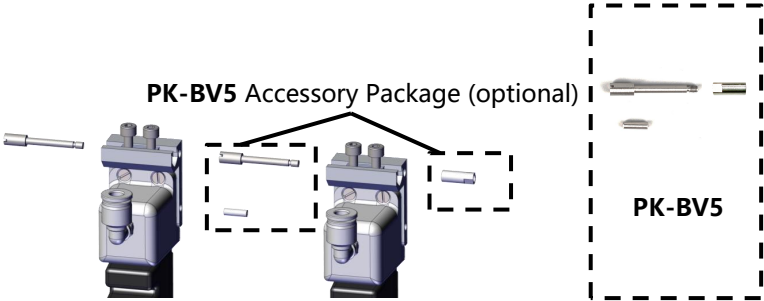


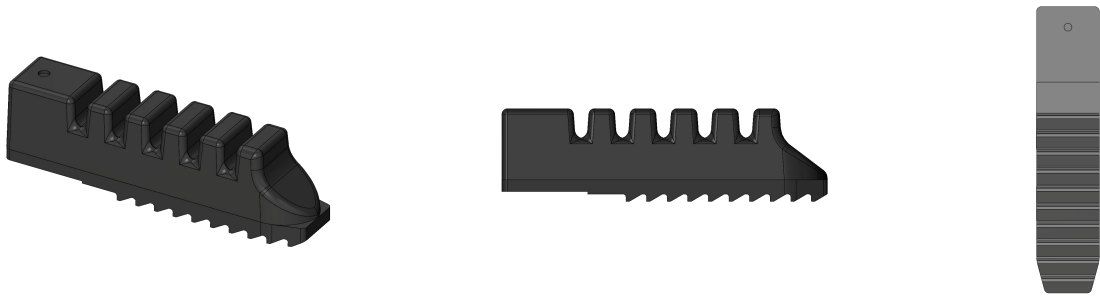
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



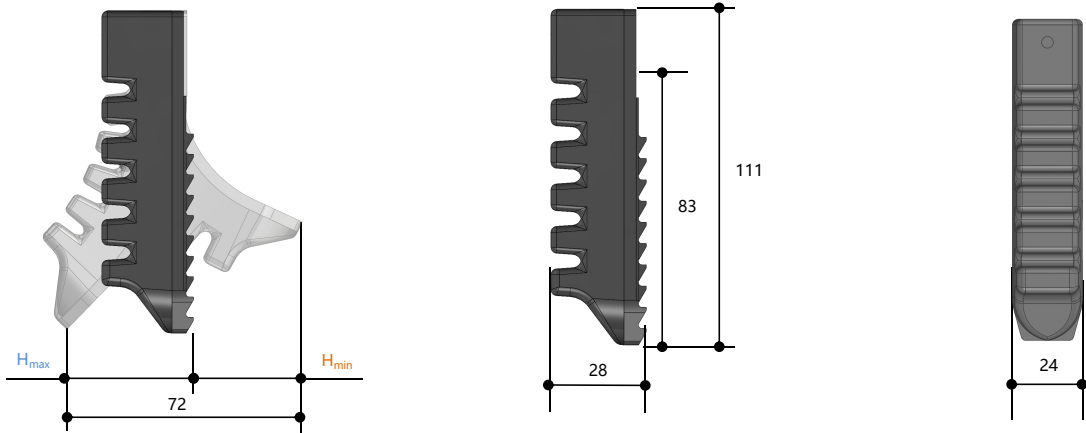


| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---------------------------------|------------|
| LS8 | Special Form | | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-A6T/LS8[P] | | | F-A6T/LS8[PAS] | | F-A6T/LS8[H] | | | F-A6T/LS8[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 | ⚠️ 120 | 📦 230 | 55 | 39 | 22 | ⚠️ 300 | 📦 415 | 55 |

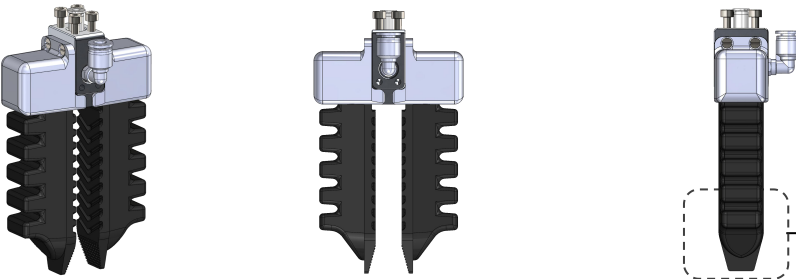
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



Finger Module



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---------------------------------|-----------------|---|---|---------------------|---------------------------------|------------|
| FM-A6V1/FS3[P] | | FM-A6V1/FS3[PAS] | | FM-A6V1/FS3[H] | | FM-A6V1/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 84 | ⚠ 120 | ⚖ 460 | 195 | 0 | 62 | ⚠ 300 | ⚖ 830 | 195 |

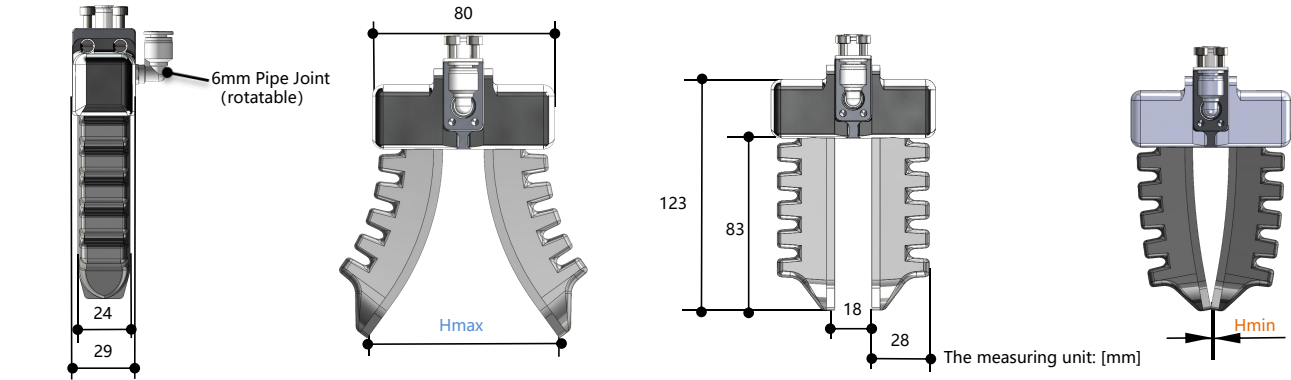


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

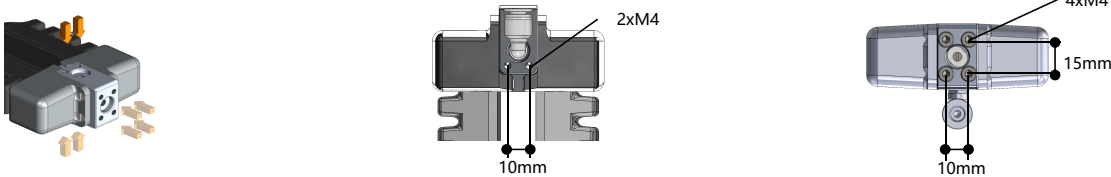


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

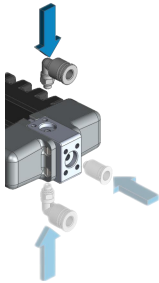
Finger Module



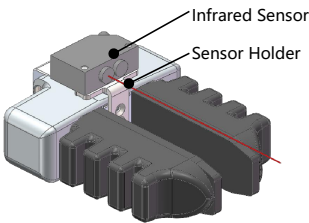
Fixation



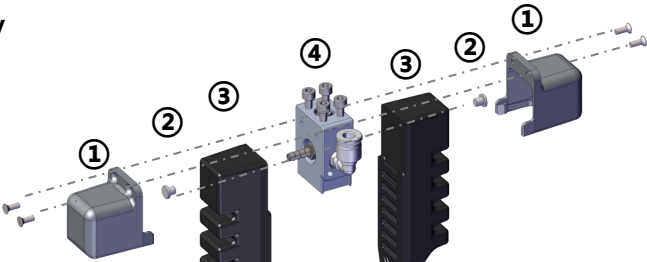
Air Intake



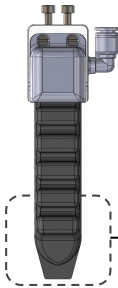
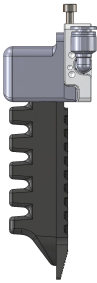
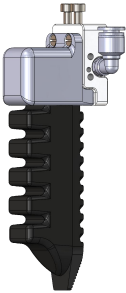
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

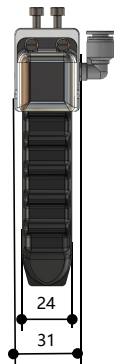
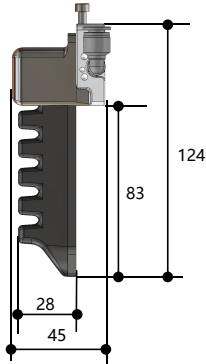
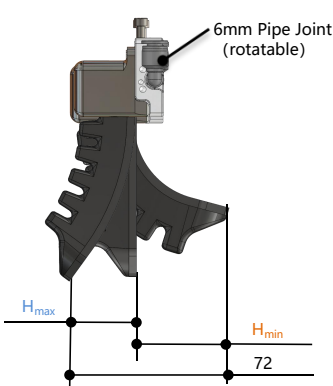


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V2/FS3[P] | | FM-A6V2/FS3[PAS] | | | FM-A6V2/FS3[H] | | FM-A6V2/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 113 | 39 | 22 |  300 |  415 | 113 |

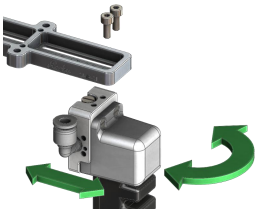
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

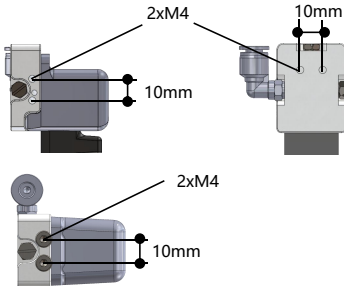
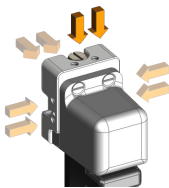


The measuring unit: [mm]

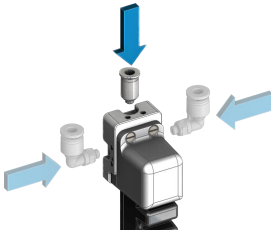
Pose Adjustment



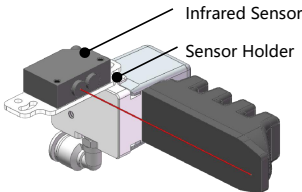
Fixation



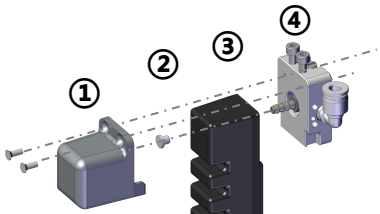
Air Intake



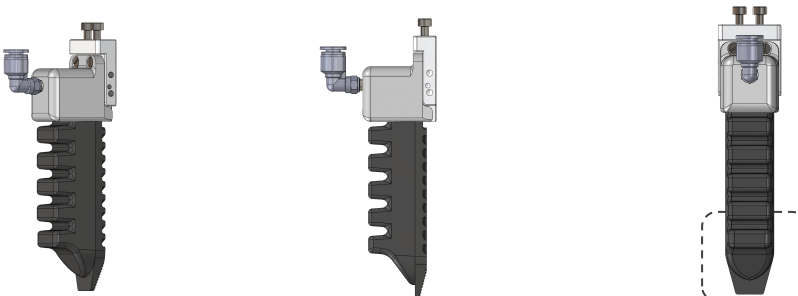
Sensor Installation









Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V3/FS3[P] | | FM-A6V3/FS3[PAS] | | | FM-A6V3/FS3[H] | | FM-A6V3/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 98 | 39 | 22 |  300 |  415 | 98 |

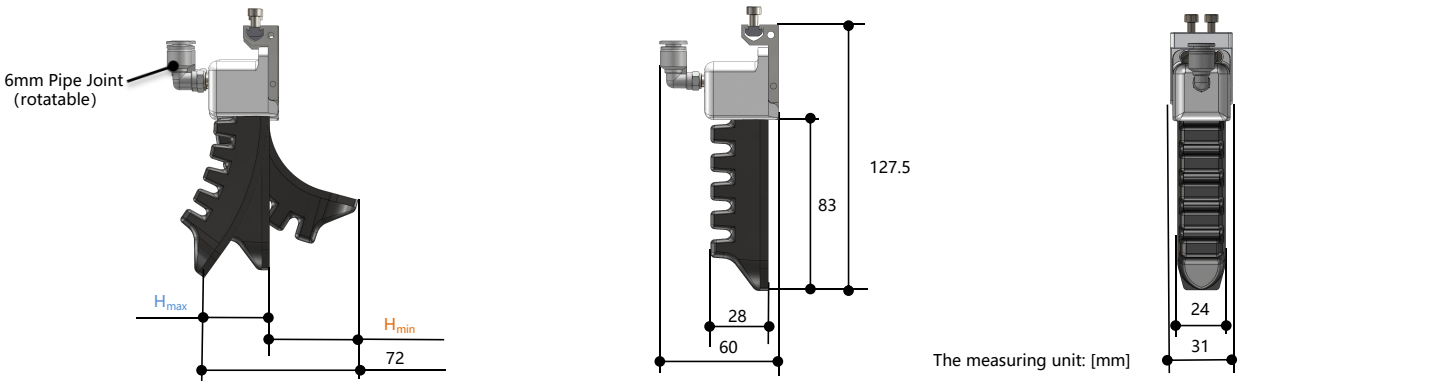


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

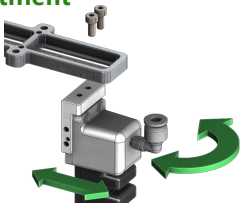


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

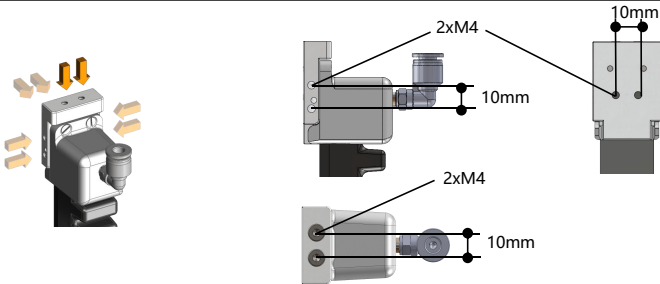
Finger Module



Pose Adjustment



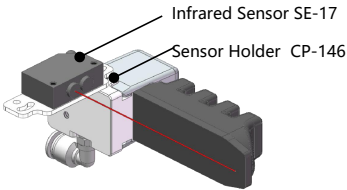
Fixation



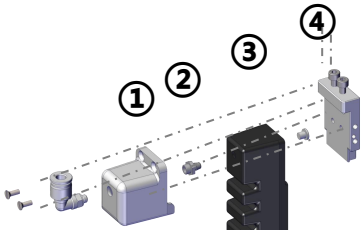
Air Intake



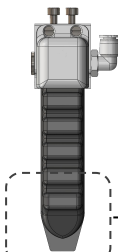
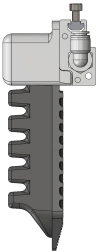
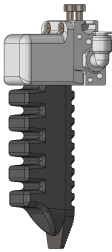
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

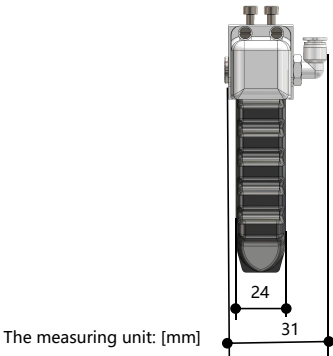
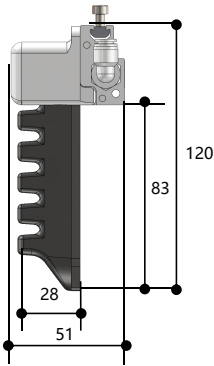
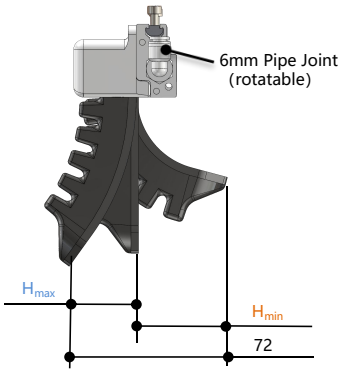


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V4/FS3[P] | | FM-A6V4/FS3[PAS] | | | FM-A6V4/FS3[H] | | FM-A6V4/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 119 | 39 | 22 |  300 |  415 | 119 |

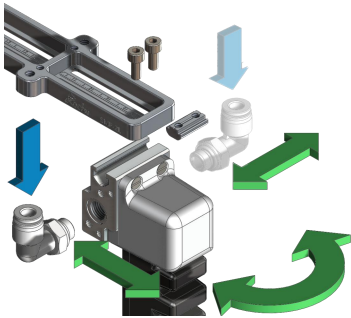
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

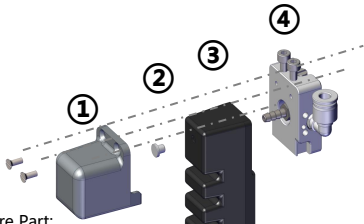


The measuring unit: [mm]

Air Intake & Pose Adjustment



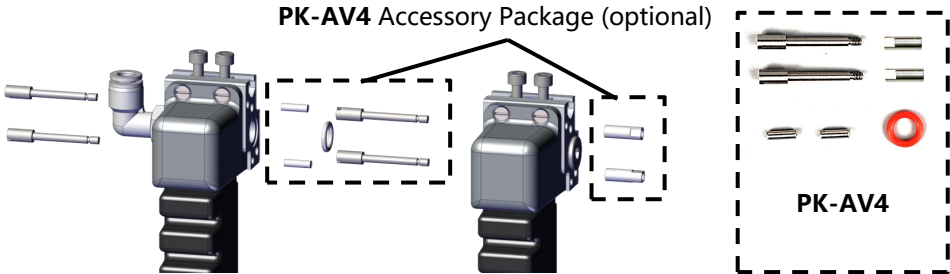
Assembly

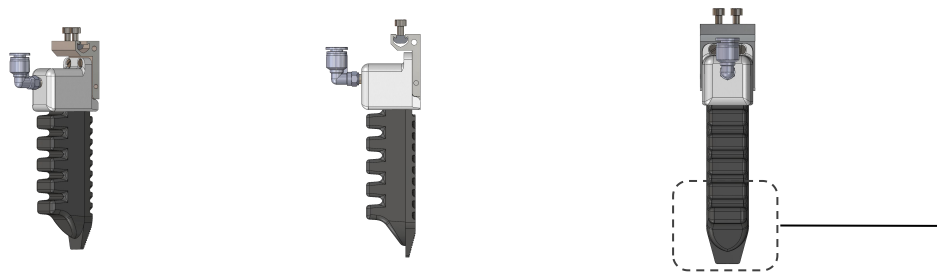







- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



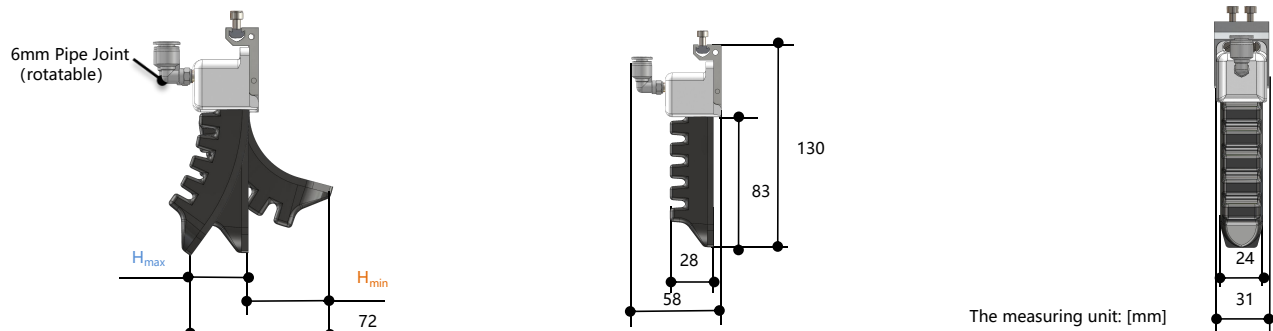
| | | | | | | | | | |
|---|---|---|---|-----------------|---|---|---|---|---------------|
|  | | | <div>Finger Pattern</div> <div><div>FS3</div><div>Suitable for soft fabric products.</div></div> <div></div> | | | | | | |
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-A6V5/FS3[P] | | FM-A6V5/FS3[PAS] | | FM-A6V5/FS3[H] | | FM-A6V5/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 97 | 39 | 22 |  300 |  415 | 97 |



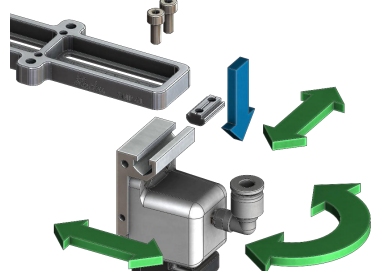
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



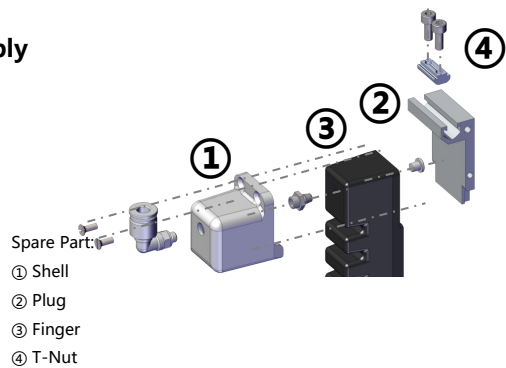
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

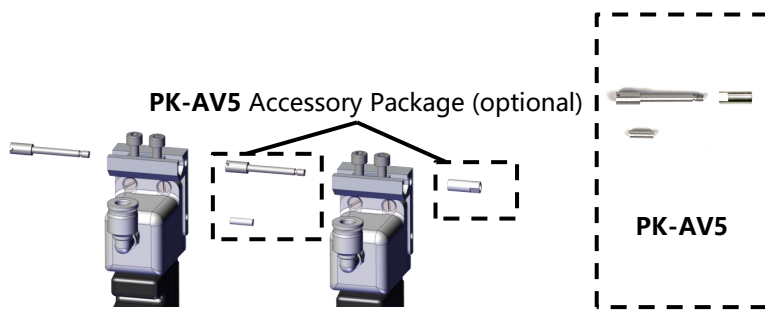


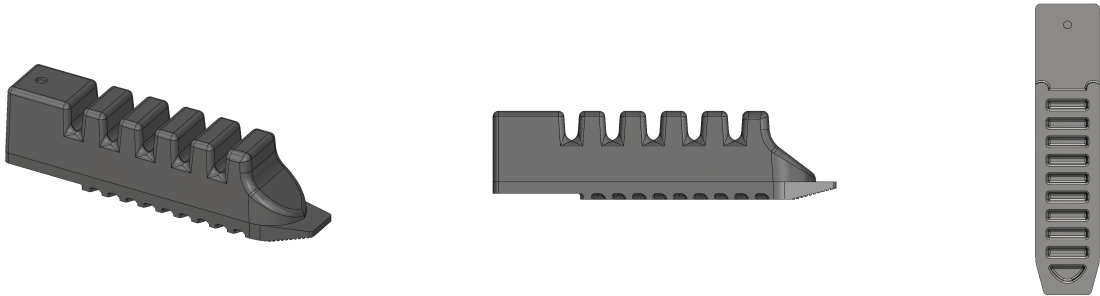
Assembly



Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



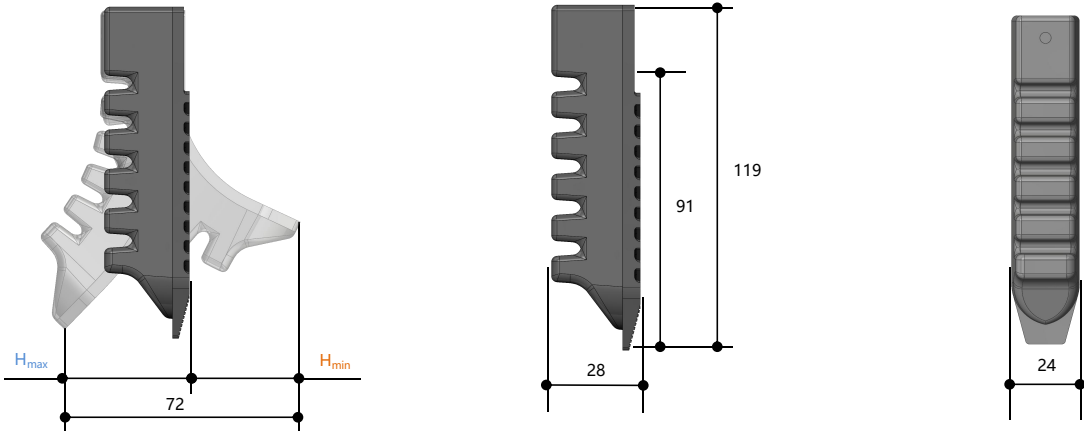


| Finger Pattern | | Features | | | | | | | |
|---|---|------------------------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|------------|
| FS3 | Special Form | Suitable for soft fabric products. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-A6T/FS3[P] | | F-A6T/FS3[PAS] | | | F-A6T/FS3[H] | | | F-A6T/FS3[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 | ⚠️ 120 | 📦 230 | 55 | 39 | 22 | ⚠️ 300 | 📦 415 | 55 |

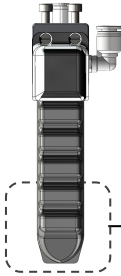
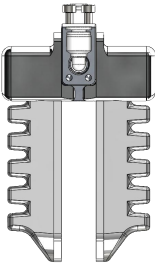
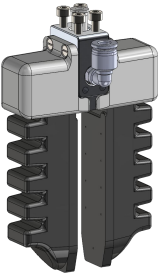
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



📦 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



Finger Module



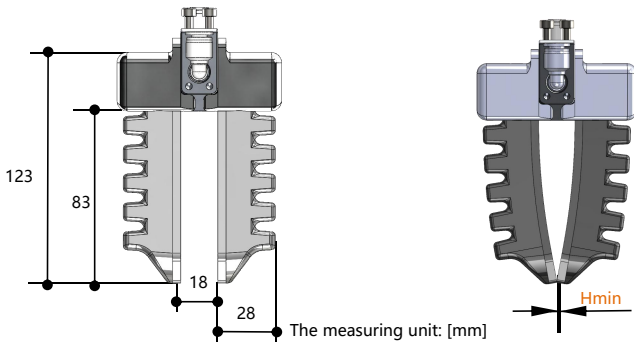
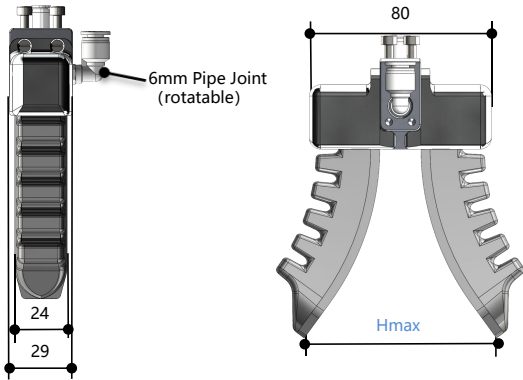
| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V1/LF1[P] | | FM-A6V1/LF1[PAS] | | | FM-A6V1/LF1[H] | | FM-A6V1/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 84 |  120 |  460 | 195 | 0 | 62 |  300 |  830 | 195 |

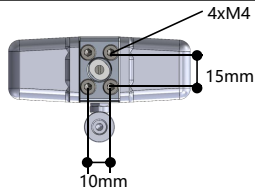
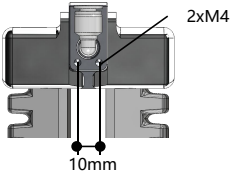
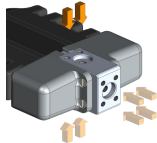
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

⚖ The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

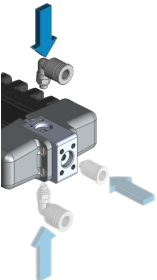
Finger Module



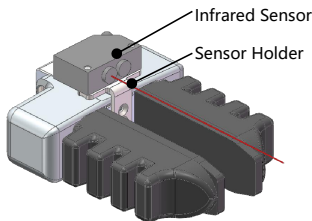
Fixation



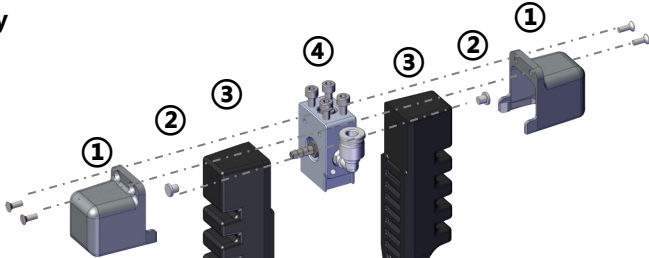
Air Intake



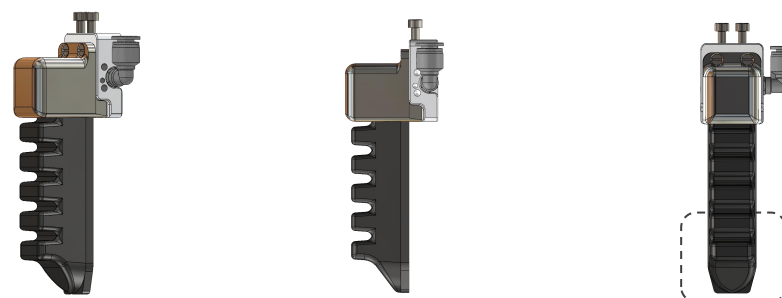
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

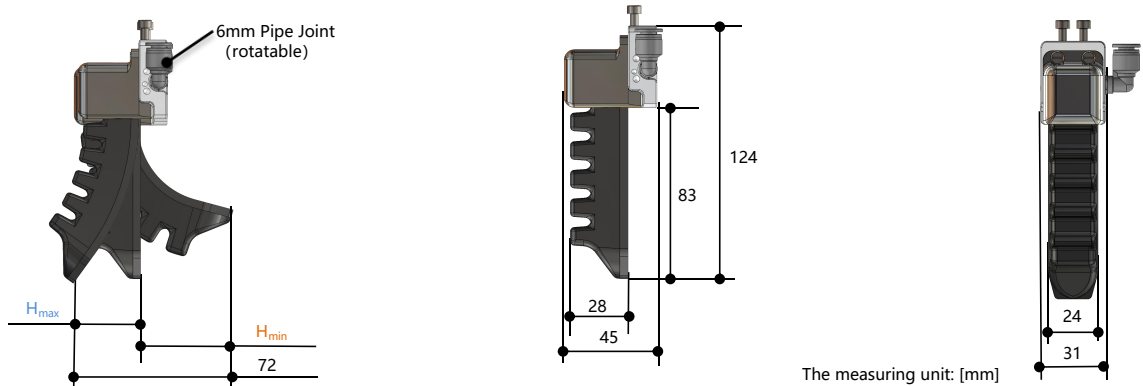
| | | | | | | | | | |
|---|---|---|---|-----------------------------------|---|---|------------------------|---|---------------|
| Normal Material FM-A6V2/LF1[P] | | Dust-free Normal Material FM-A6V2/LF1[PAS] | | Strong Material FM-A6V2/LF1[H] | | Dust-free Strong Material FM-A6V2/LF1[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 | ⚠ 120 |  230 | 113 | 39 | 22 | ⚠ 300 |  415 | 113 |



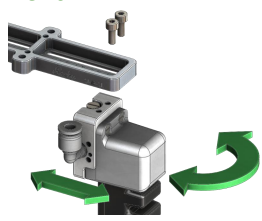
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



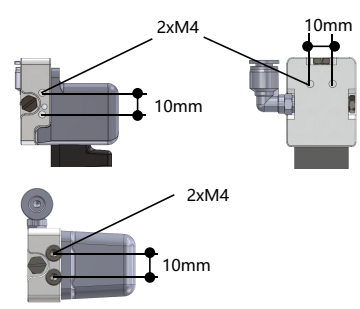
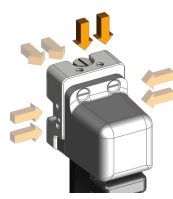
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



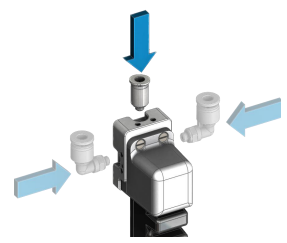
Pose Adjustment



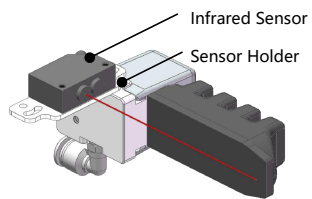
Fixation



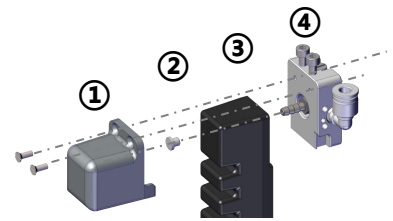
Air Intake



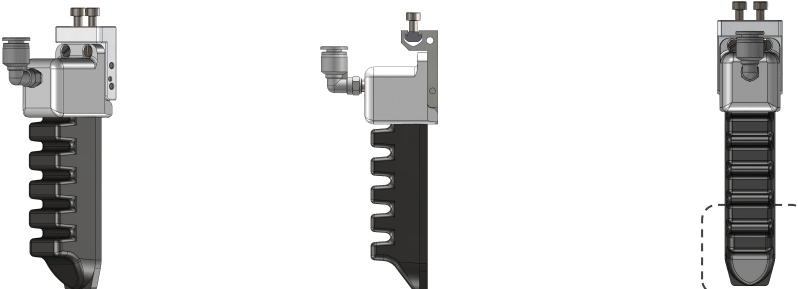
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

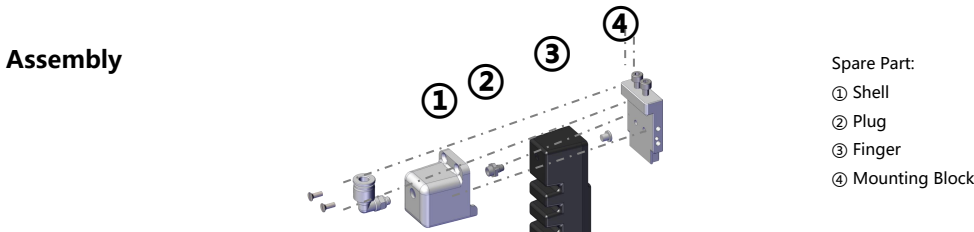
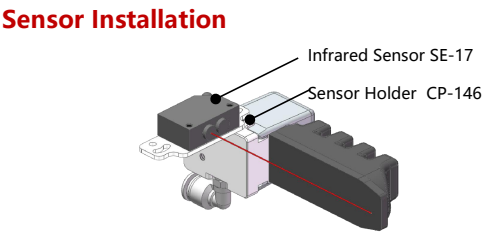
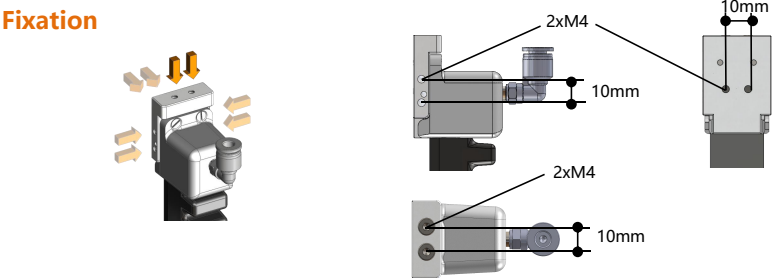
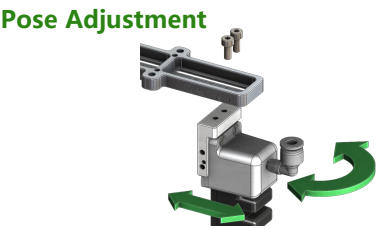
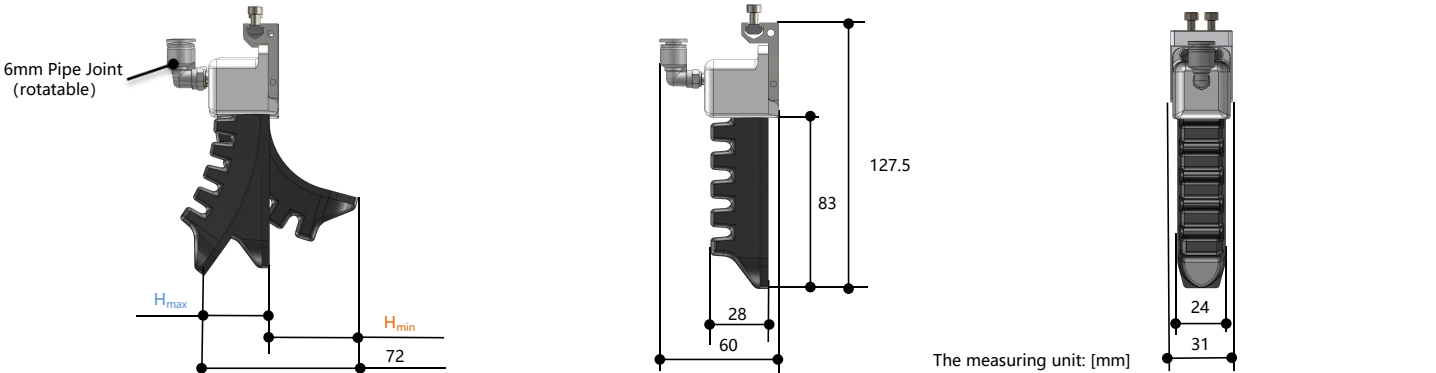
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | | | |
|---|---|---------------------------|---|-----------------|---|---|------------------------|---|---------------|--|--|
| FM-A6V3/LF1[P] | | FM-A6V3/LF1[PAS] | | FM-A6V3/LF1[H] | | FM-A6V3/LF1[HAS] | | | | | |
| Finger color: Black | | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 39 | 33 | ⚠ 120 |  230 | 98 | 39 | 22 | ⚠ 300 |  415 | 98 | | |

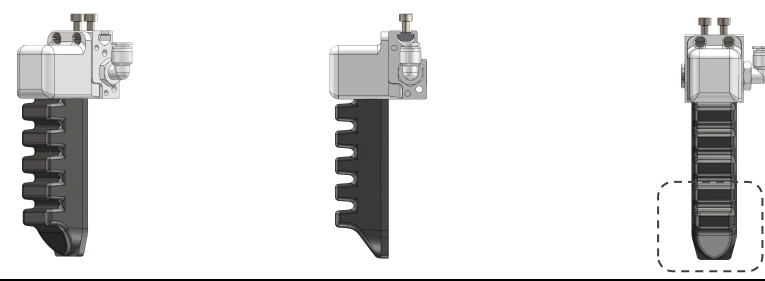




Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.







The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

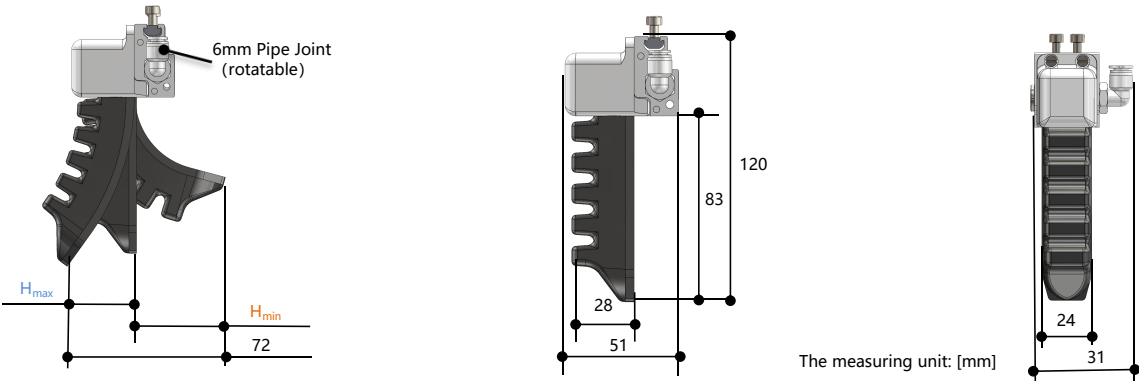
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A6V4/LF1[P] | | FM-A6V4/LF1[PAS] | | | FM-A6V4/LF1[H] | | FM-A6V4/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 39 | 33 |  120 |  230 | 119 | 39 | 22 |  300 |  415 | 119 |



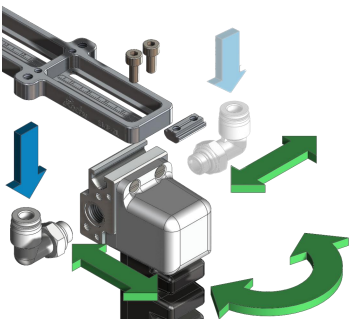
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



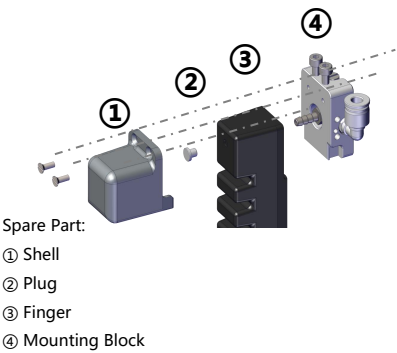
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

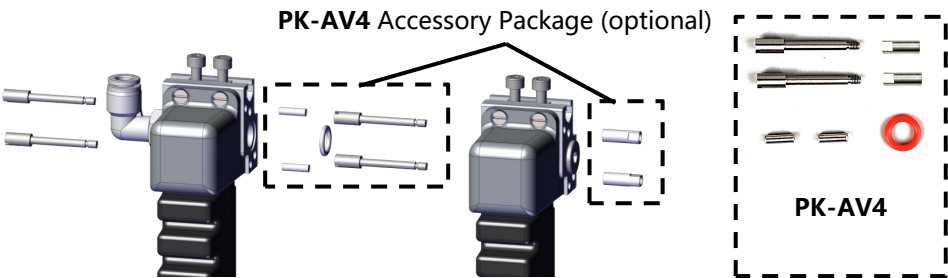


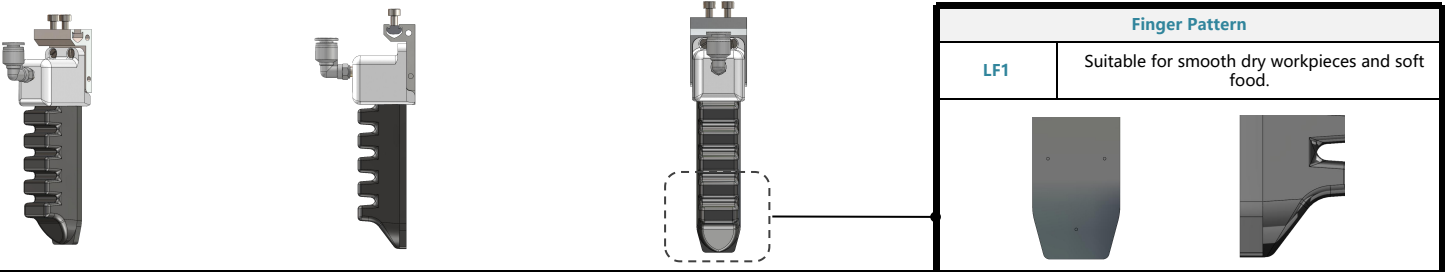
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

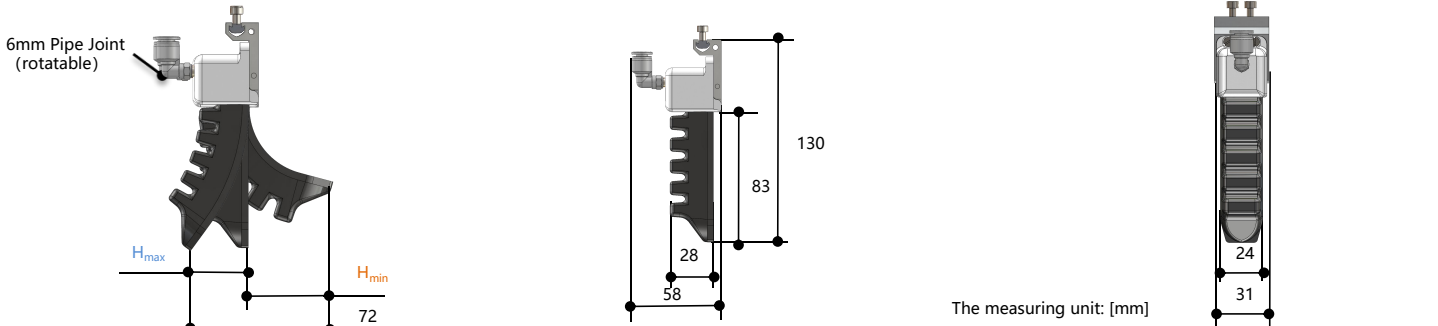




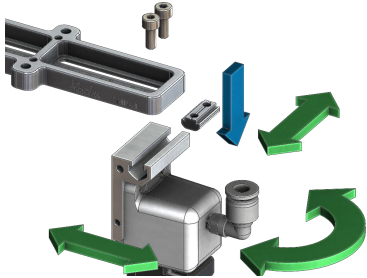
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|---------------------------|--|--|
| FM-A6V5/LF1[P] | | | FM-A6V5/LF1[PAS] | | | FM-A6V5/LF1[H] | | | FM-A6V5/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 39 | 33 | ⚠️ 120 | 📏 230 | 97 | 39 | 22 | ⚠️ 300 | 📏 415 | 97 | | |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

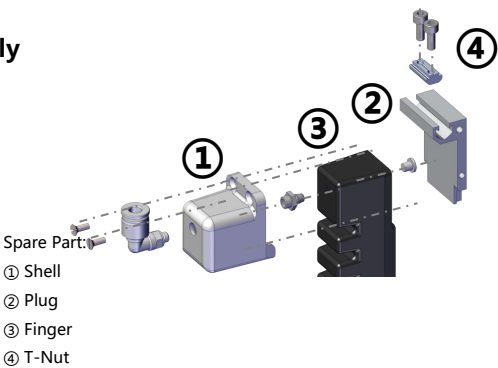
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

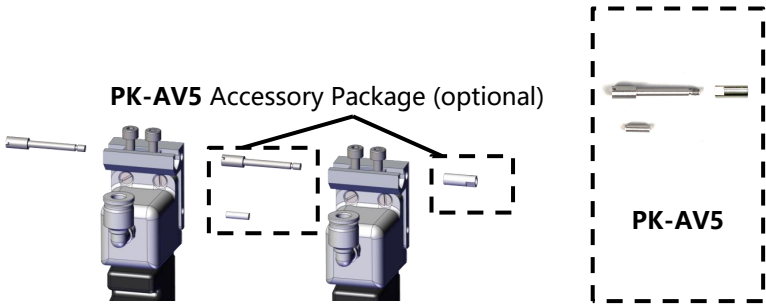


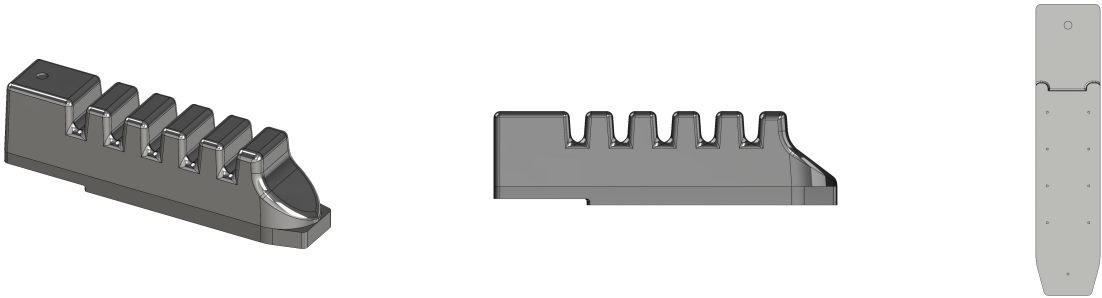
Assembly





Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



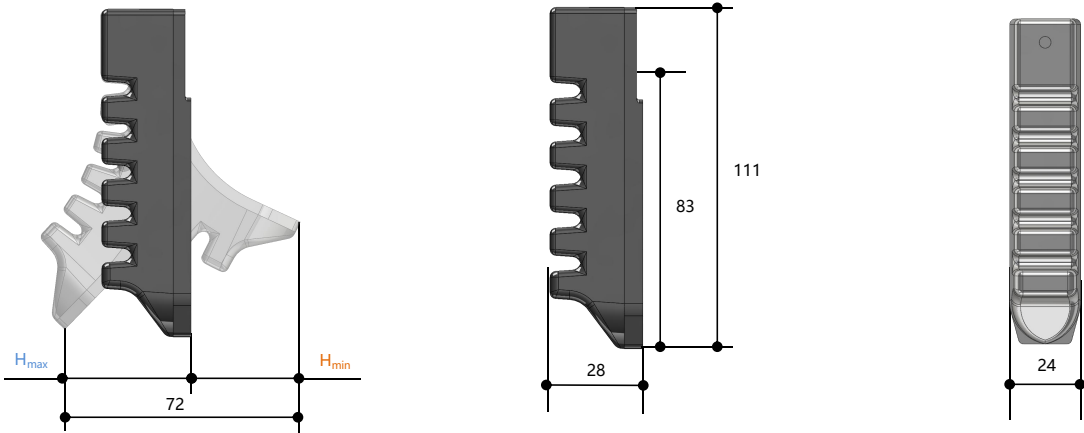


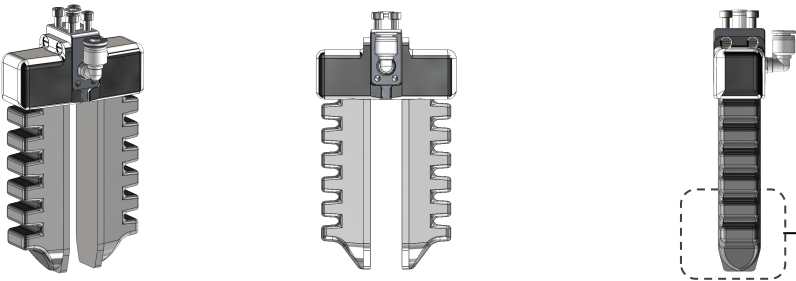
| Finger Pattern | | | Features | | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|------------|--|
| LF1 | Special Form | | Suitable for smooth dry workpieces and soft food. | | | | | | | |
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
| F-A6T/LF1[P] | | | F-A6T/LF1[PAS] | | | F-A6T/LF1[H] | | F-A6T/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 39 | 33 | ⚠ 120 |  230 | 55 | 39 | 22 | ⚠ 300 |  415 | 55 | |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





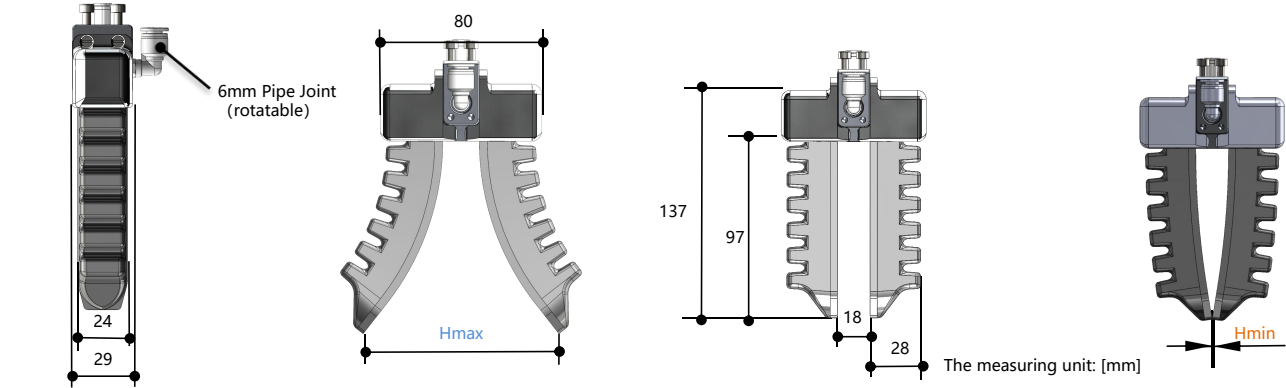
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-A7V1/LS1[P] | | FM-A7V1/LS1[PAS] | | | FM-A7V1/LS1[H] | | FM-A7V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 96 | ⚠ 120 | 📦 440 | 210 | 0 | 72 | ⚠ 300 | 📦 760 | 210 |

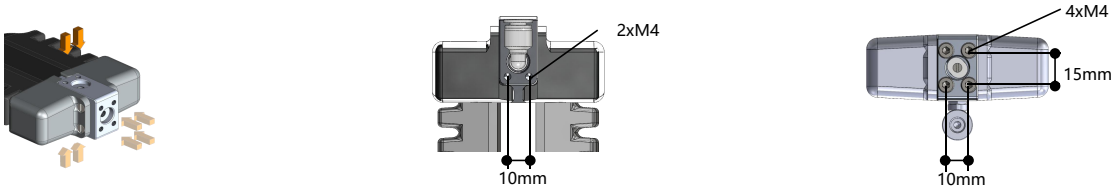
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

⚖ The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

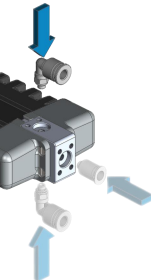
Finger Module



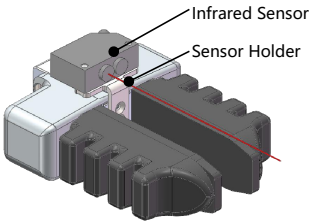
Fixation



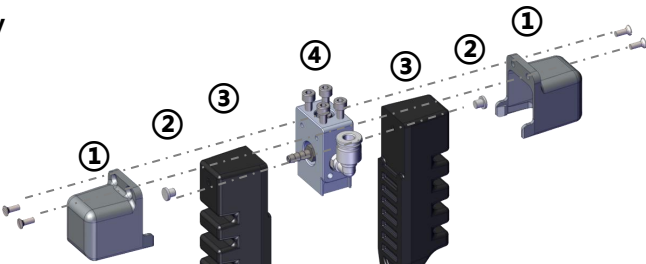
Air Intake



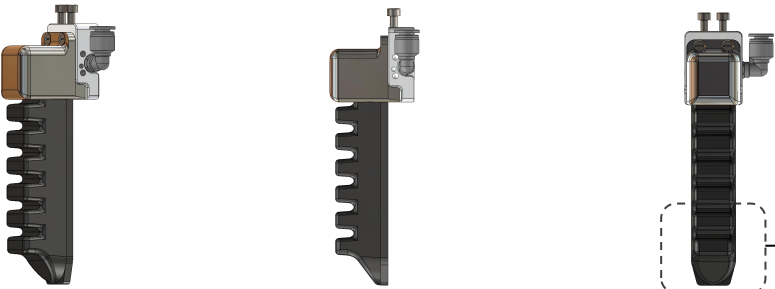
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

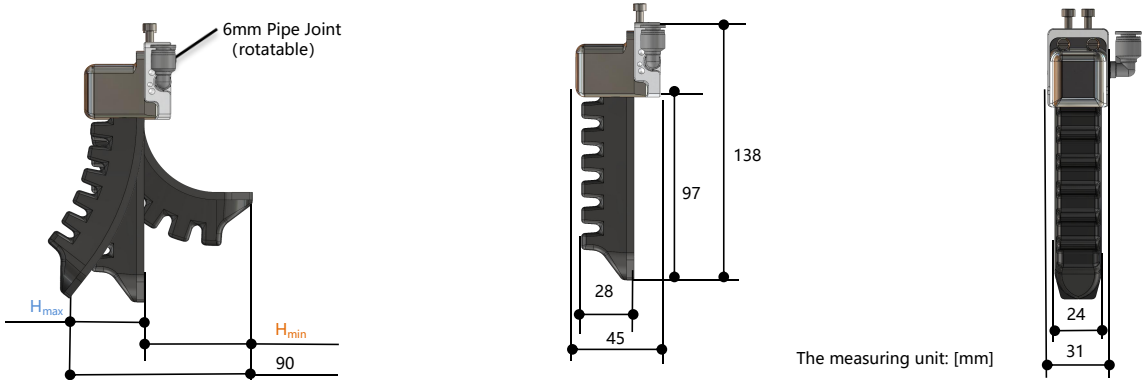


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-A7V2/LS1[P] | | FM-A7V2/LS1[PAS] | | | FM-A7V2/LS1[H] | | FM-A7V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠️ 120 | 📏 220 | 120 | 51 | 27 | ⚠️ 300 | 📏 380 | 120 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment

Fixation

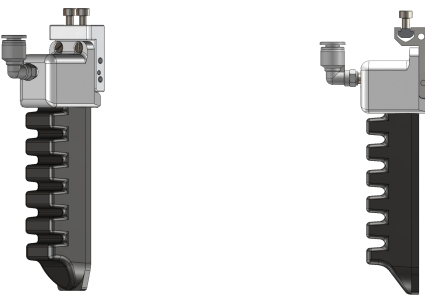
Air Intake

Sensor Installation

Assembly

Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block



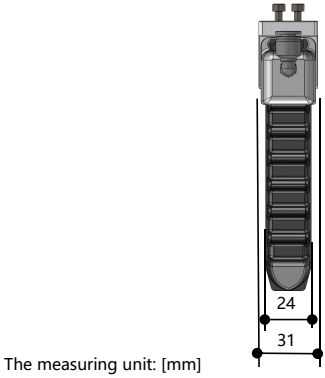
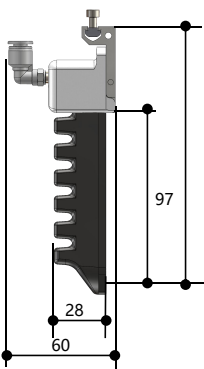
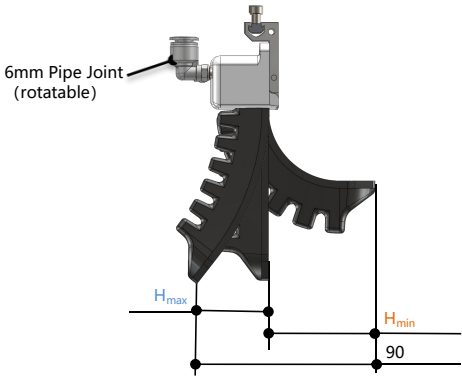
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------------|---------------|---|---|---------------------------|---------------------------------------|---------------|
| FM-A7V3/LS1[P] | | FM-A7V3/LS1[PAS] | | | FM-A7V3/LS1[H] | | FM-A7V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠️ 120 | 📦 220 | 105 | 51 | 27 | ⚠️ 300 | 📦 380 | 105 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

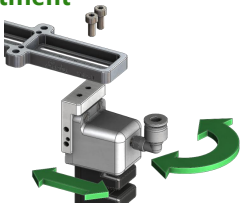
📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

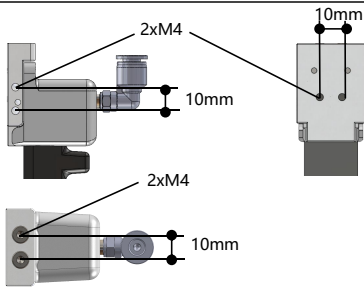
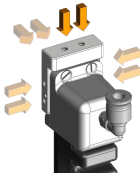


The measuring unit: [mm]

Pose Adjustment



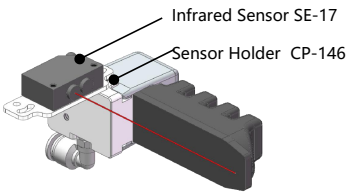
Fixation



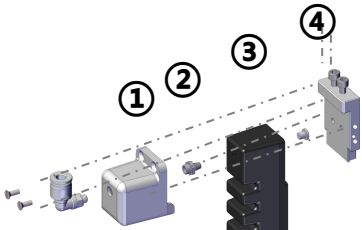
Air Intake



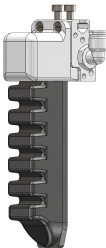
Sensor Installation

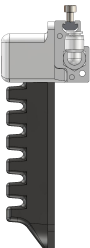


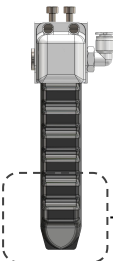
Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block













LS1

Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics.





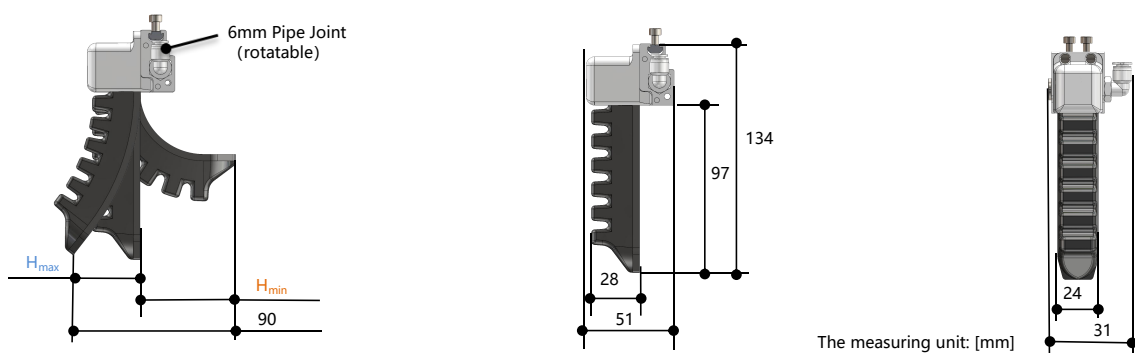
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---|---|-----------------|---|---|---|---|---------------|
| FM-A7V4/LS1[P] | | FM-A7V4/LS1[PAS] | | FM-A7V4/LS1[H] | | FM-A7V4/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 |  120 |  220 | 126 | 51 | 27 |  300 |  380 | 126 |



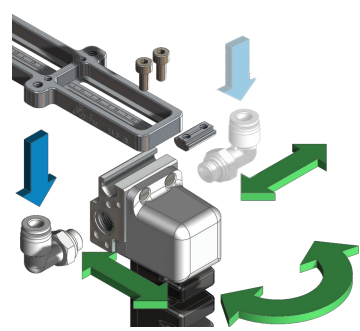
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



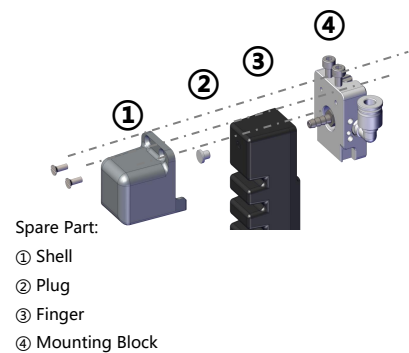
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

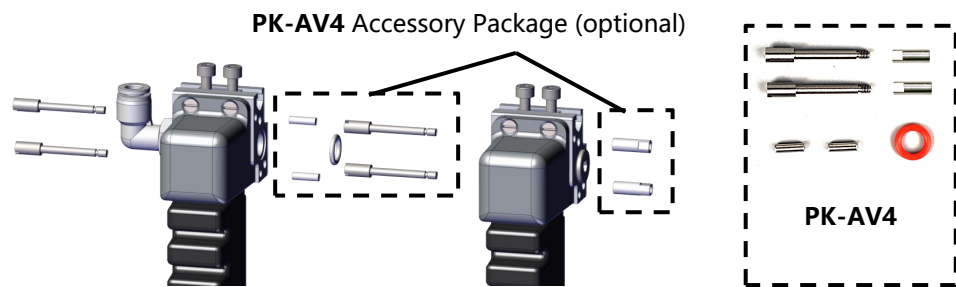


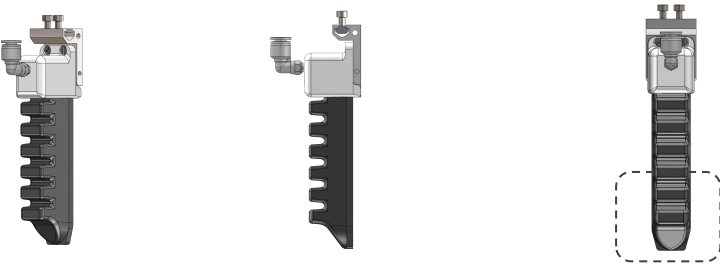
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



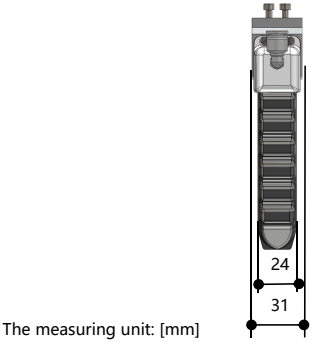
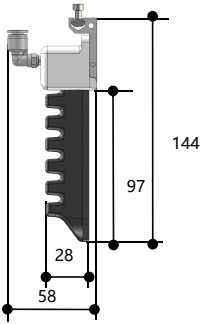
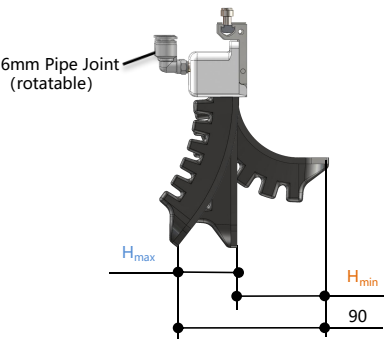


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

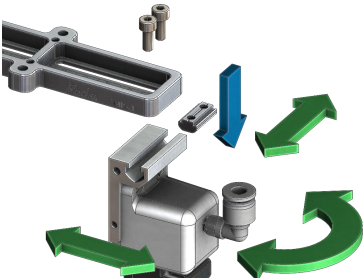
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---|------------|---|---|---------------------------|---|------------|
| FM-A7V5/LS1[P] | | FM-A7V5/LS1[PAS] | | | FM-A7V5/LS1[H] | | FM-A7V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠ 120 |  220 | 104 | 51 | 27 | ⚠ 300 |  380 | 104 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

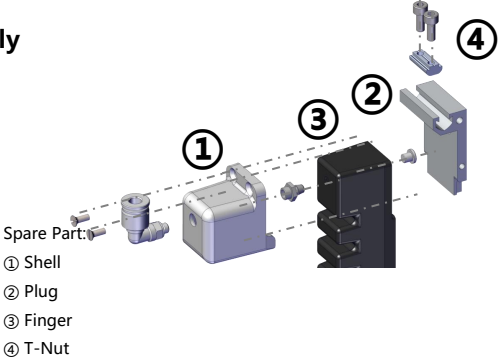
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

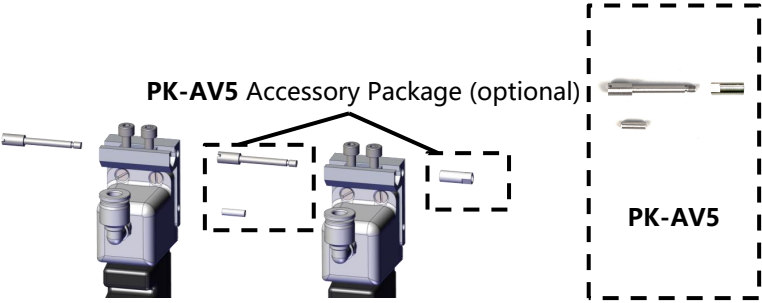


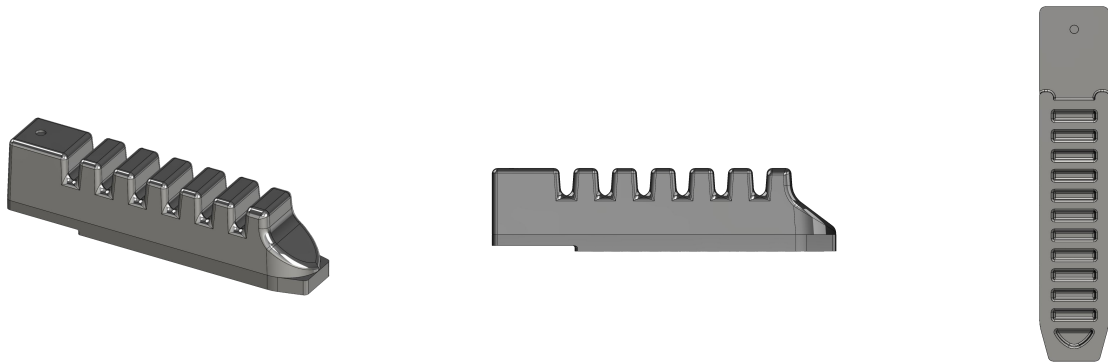
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---------------------------------|------------|
| LS1 | Standard form | | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-A7T/LS1[P] | | | F-A7T/LS1[PAS] | | F-A7T/LS1[H] | | | F-A7T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠ 120 | 📦 220 | 62 | 51 | 27 | ⚠ 300 | 📦 380 | 62 |

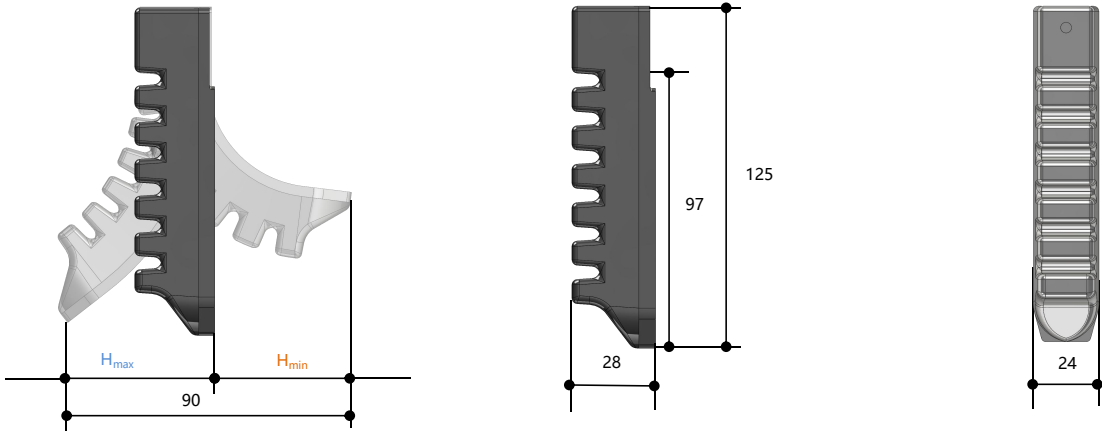


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

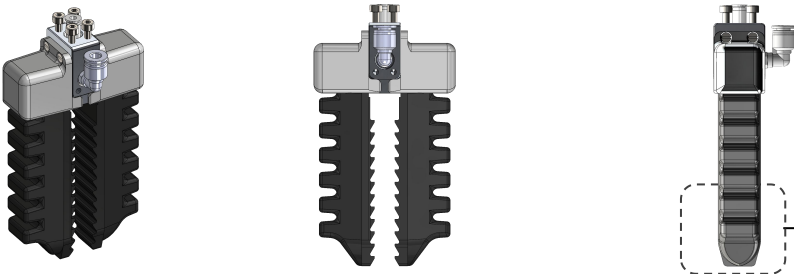



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters





Finger Module



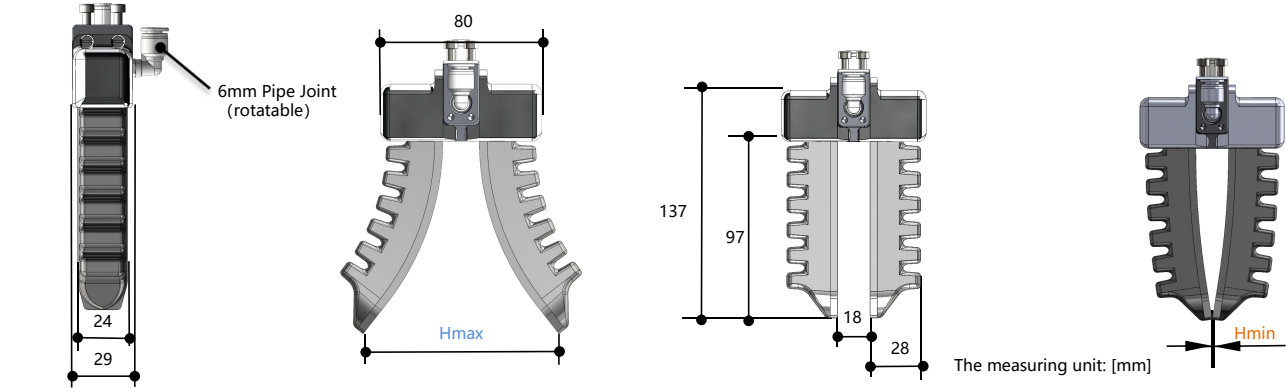
| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  | |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A7V1/LS8[P] | | FM-A7V1/LS8[PAS] | | FM-A7V1/LS8[H] | | FM-A7V1/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 96 | ⚠ 120 |  440 | 210 | 0 | 72 | ⚠ 300 |  760 | 210 |

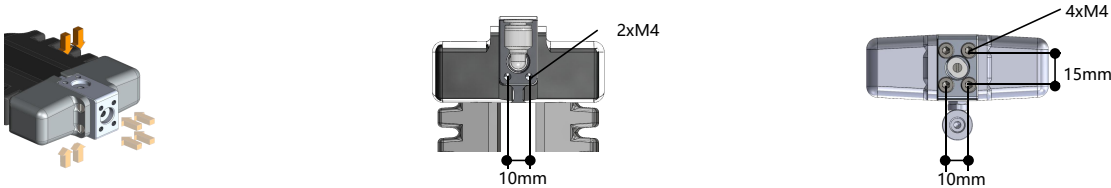
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

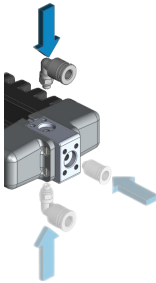
Finger Module



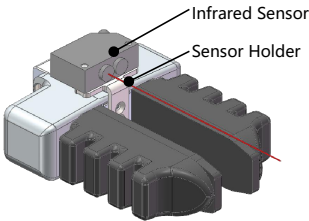
Fixation



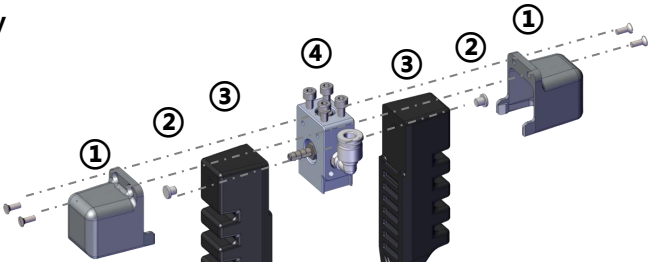
Air Intake



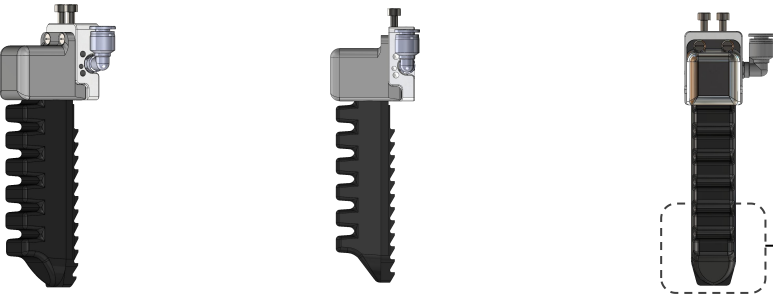
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

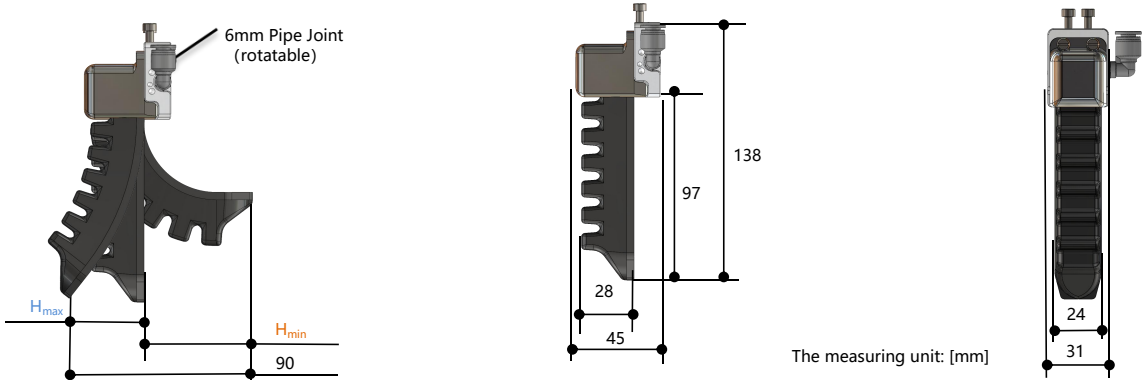


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A7V2/LS8[P] | | FM-A7V2/LS8[PAS] | | | FM-A7V2/LS8[H] | | FM-A7V2/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 |  120 |  220 | 120 | 51 | 27 |  300 |  380 | 120 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment

Fixation


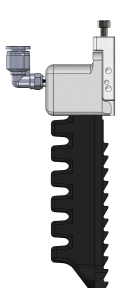
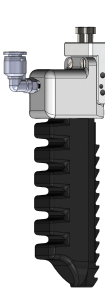
Air Intake



Sensor Installation



Assembly

Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

| | | | | | | | | | |
|---|---|---------------------------|---|-----------------|---|---|------------------------|---|---------------|
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-A7V3/LS8[P] | | FM-A7V3/LS8[PAS] | | FM-A7V3/LS8[H] | | FM-A7V3/LS8[HAS] | | | |
| Finger color: Black | | | | | | Finger color: Grey | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠ 120 |  220 | 105 | 51 | 27 | ⚠ 300 |  380 | 105 |

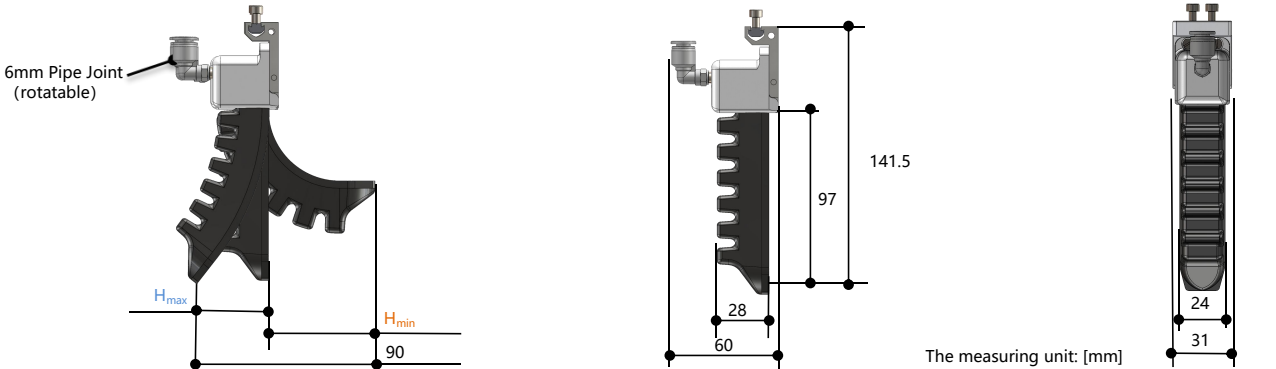


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

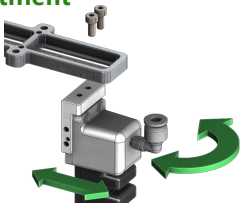


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

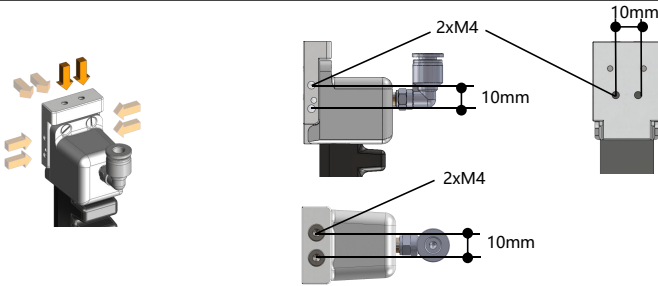
Finger Module



Pose Adjustment



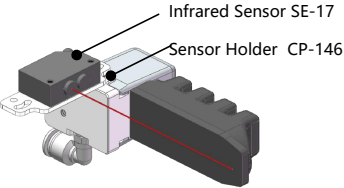
Fixation



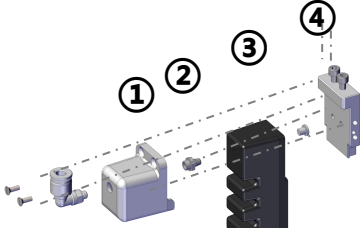
Air Intake



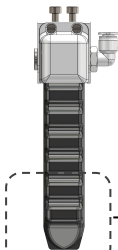
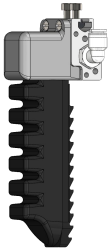
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

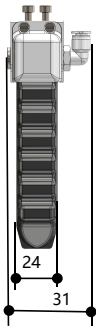
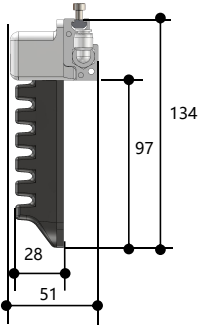
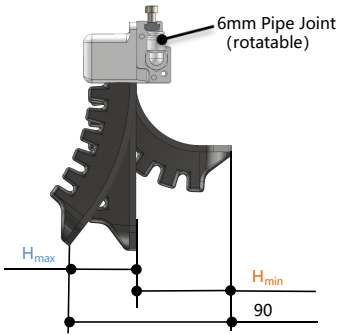


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-A7V4/LS8[P] | | FM-A7V4/LS8[PAS] | | | FM-A7V4/LS8[H] | | FM-A7V4/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠️ 120 | 📏 220 | 126 | 51 | 27 | ⚠️ 300 | 📏 380 | 126 |

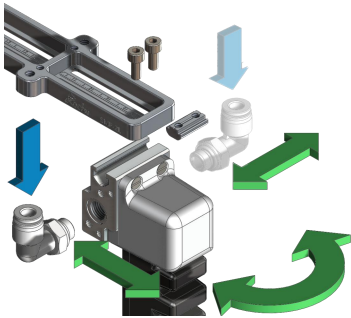
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

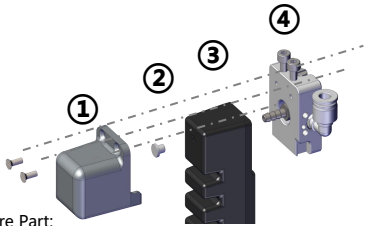


The measuring unit: [mm]

Air Intake & Pose Adjustment



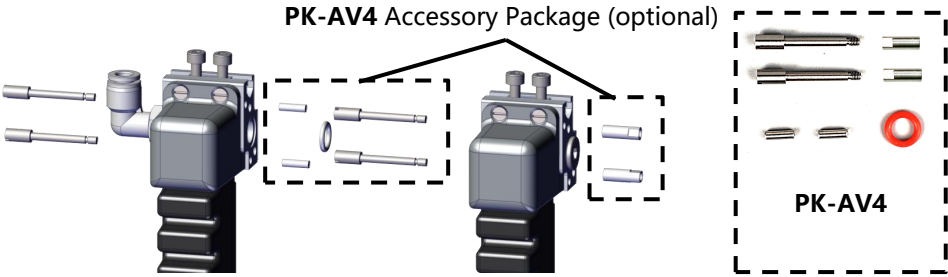
Assembly

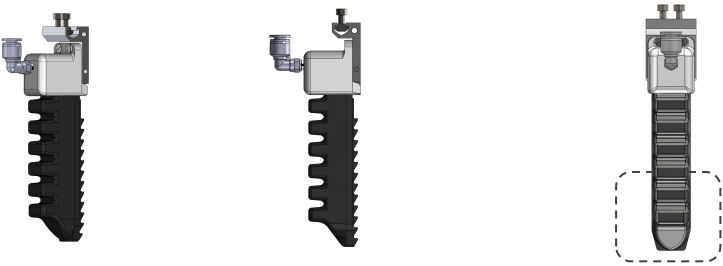


- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



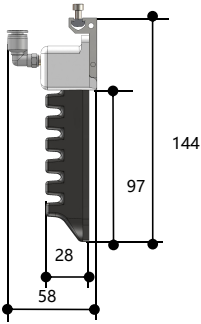
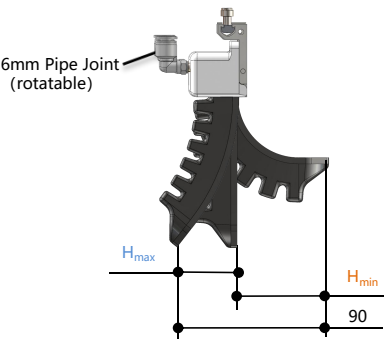


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A7V5/LS8[P] | | FM-A7V5/LS8[PAS] | | | FM-A7V5/LS8[H] | | FM-A7V5/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 |  120 |  220 | 104 | 51 | 27 |  300 |  380 | 104 |

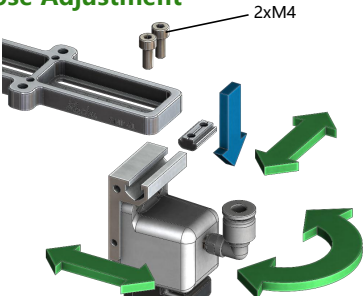
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

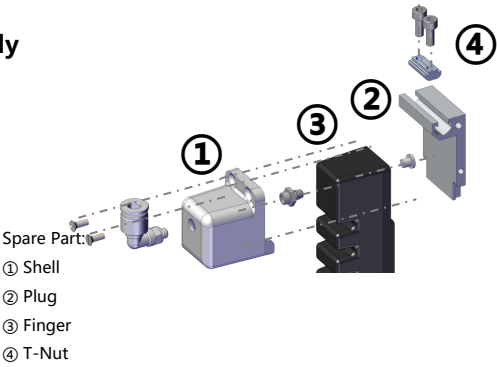


The measuring unit: [mm]

Air Intake & Pose Adjustment

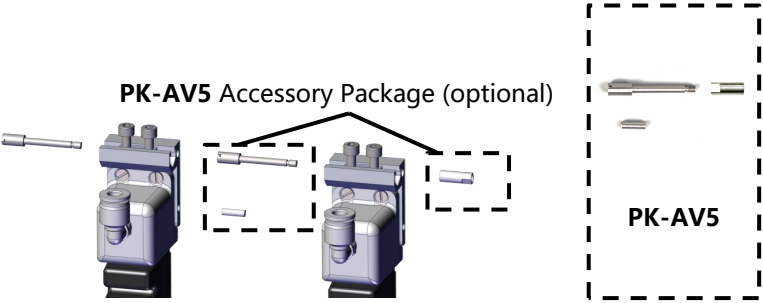


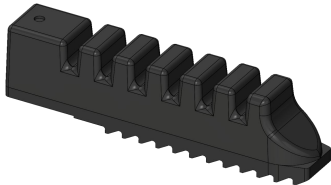
Assembly





Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|------------|
| LS8 | Special Form | | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-A7T/LS8[P] | | | F-A7T/LS8[PAS] | | F-A7T/LS8[H] | | | F-A7T/LS8[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠ 120 |  220 | 62 | 51 | 27 | ⚠ 300 |  380 | 62 |

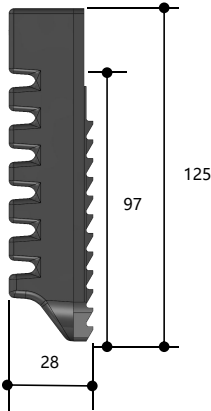
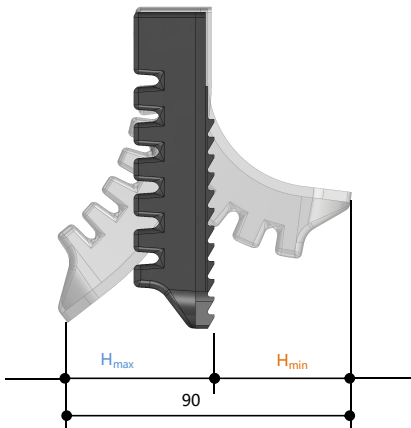


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

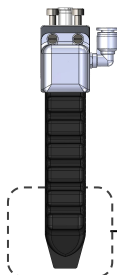
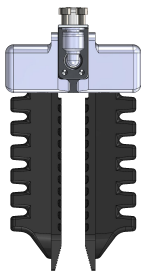
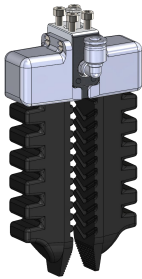


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



Finger Module



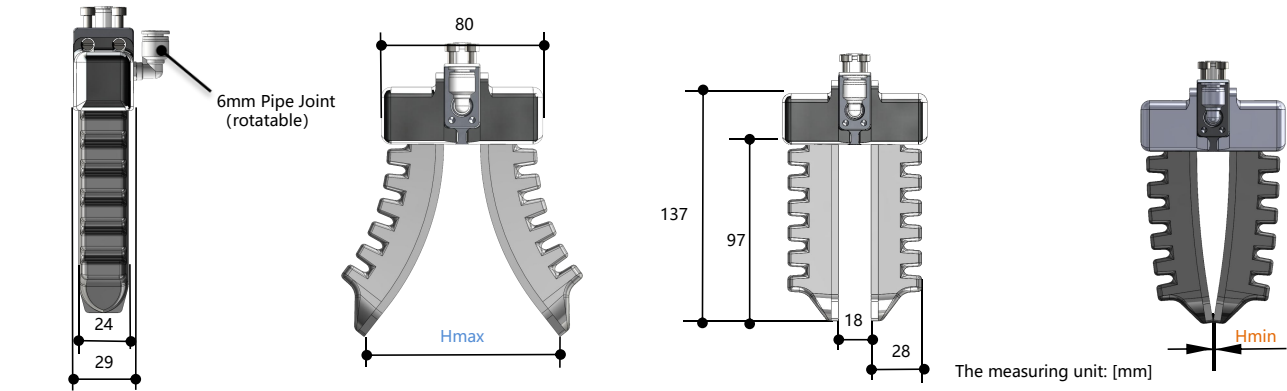
| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A7V1/FS3[P] | | FM-A7V1/FS3[PAS] | | | FM-A7V1/FS3[H] | | FM-A7V1/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 96 |  120 |  440 | 210 | 0 | 72 |  300 |  760 | 210 |

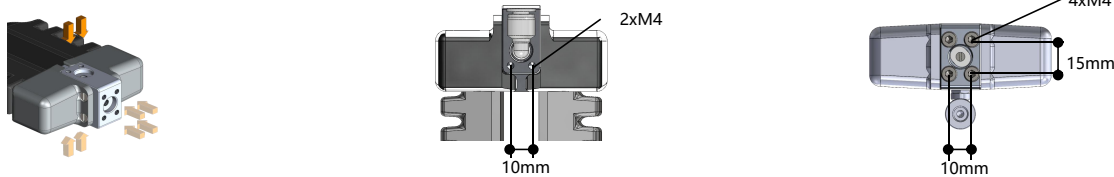
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

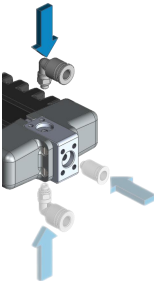
Finger Module



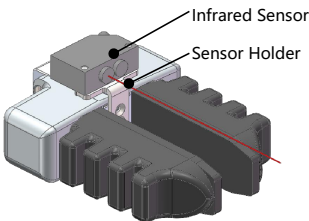
Fixation



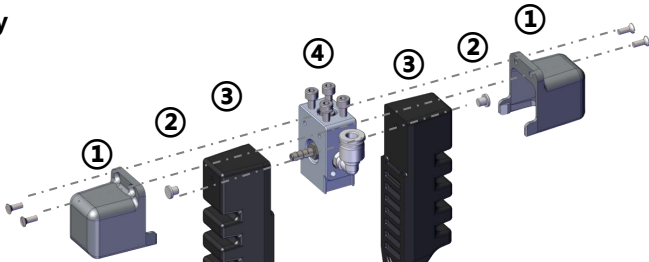
Air Intake



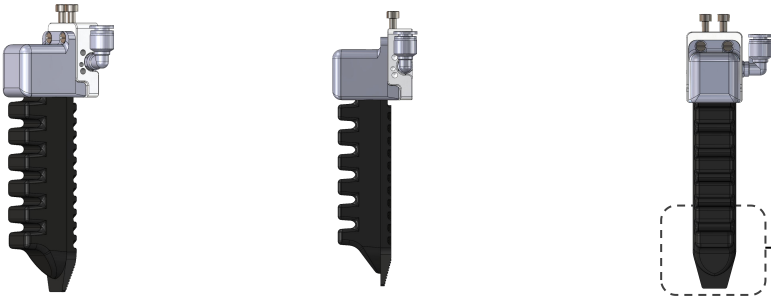
Sensor Installation









Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

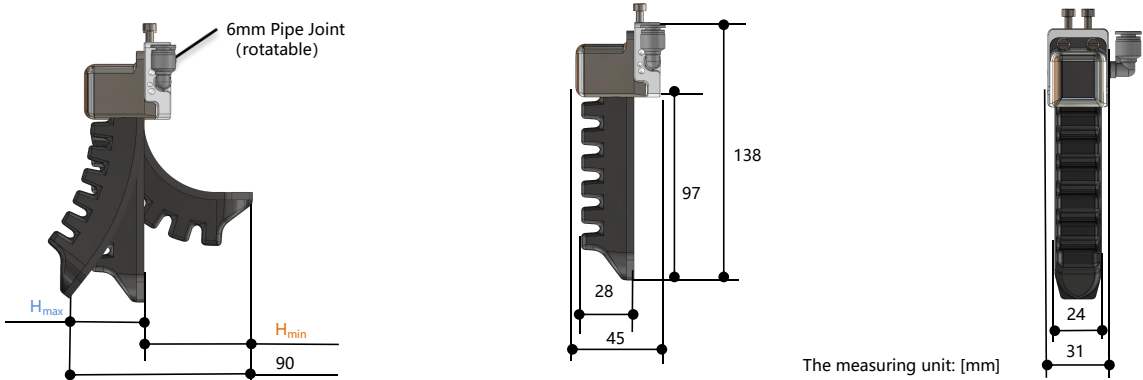
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A7V2/FS3[P] | | FM-A7V2/FS3[PAS] | | | FM-A7V2/FS3[H] | | FM-A7V2/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 |  120 |  220 | 120 | 51 | 27 |  300 |  380 | 120 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment

Fixation

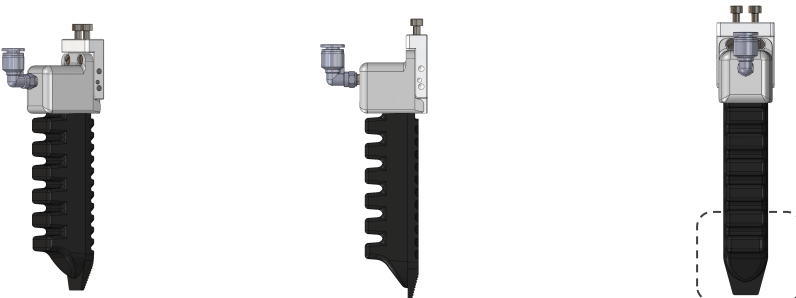
Air Intake



Sensor Installation



Assembly

Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A7V3/FS3[P] | | FM-A7V3/FS3[PAS] | | FM-A7V3/FS3[H] | | FM-A7V3/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠ 120 |  220 | 105 | 51 | 27 | ⚠ 300 |  380 | 105 |

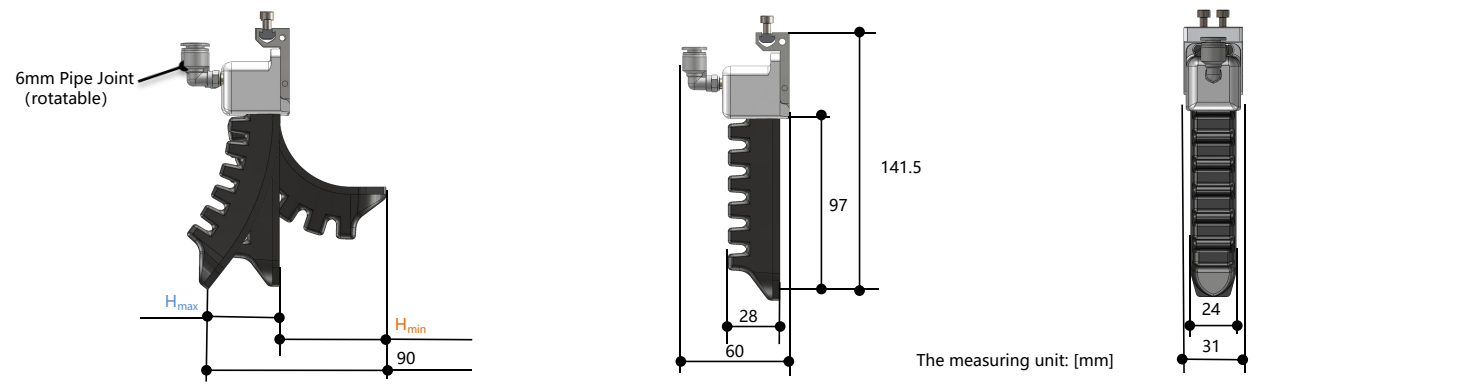


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

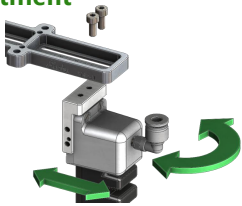


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

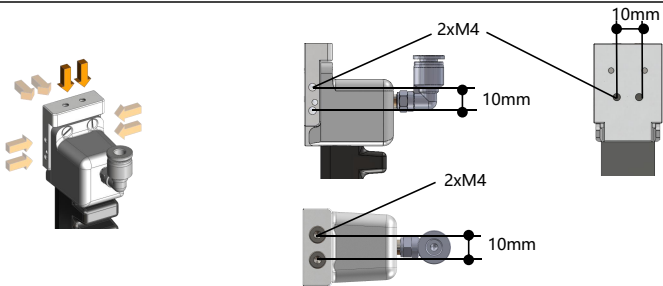
Finger Module



Pose Adjustment



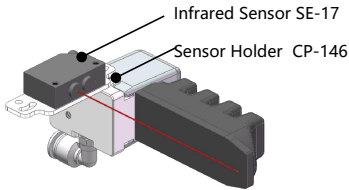
Fixation



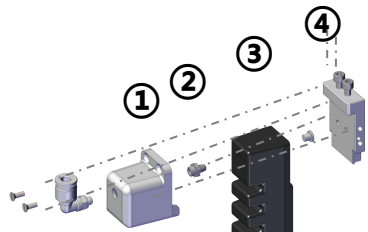
Air Intake



Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

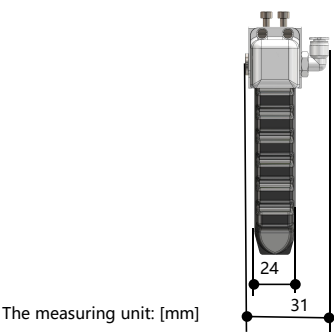
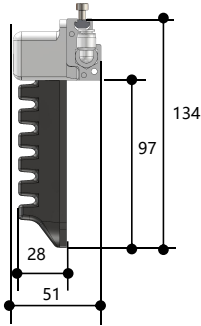
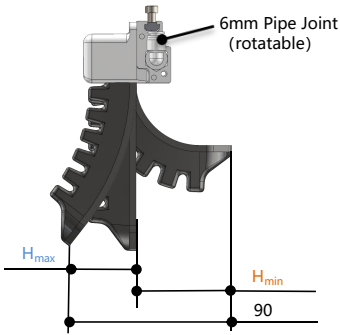


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-A7V4/FS3[P] | | FM-A7V4/FS3[PAS] | | | FM-A7V4/FS3[H] | | FM-A7V4/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠️ 120 | 📏 220 | 126 | 51 | 27 | ⚠️ 300 | 📏 380 | 126 |

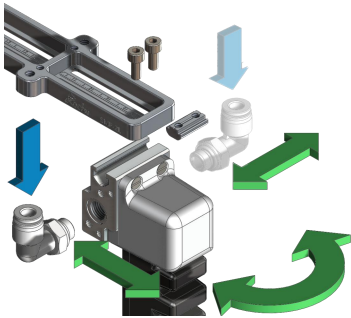
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

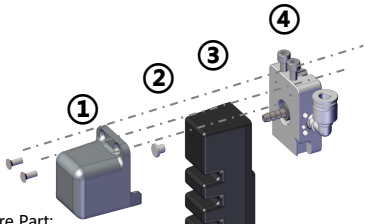


The measuring unit: [mm]

Air Intake & Pose Adjustment



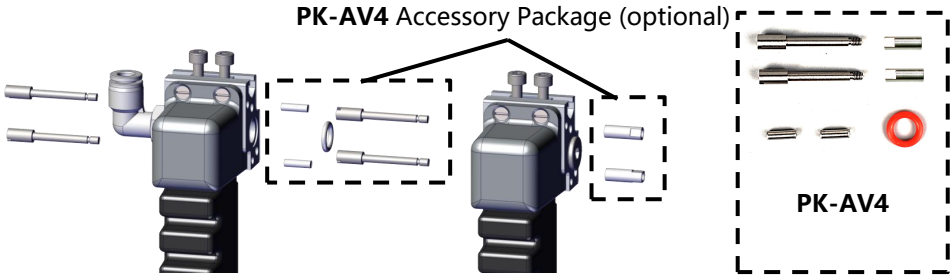
Assembly

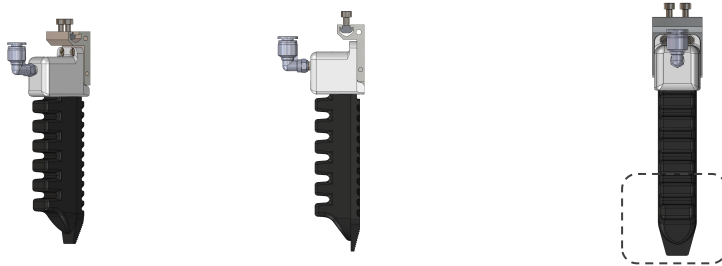
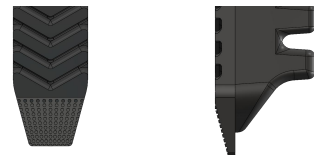






- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



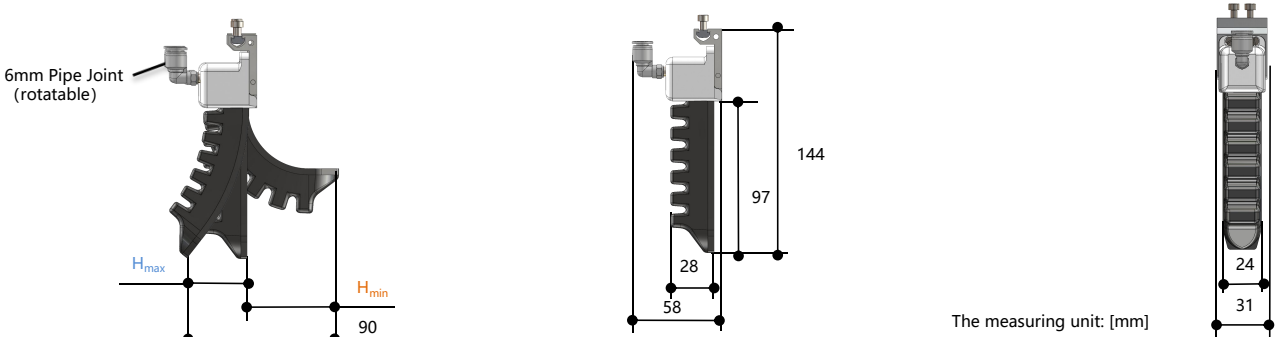
| | | | | | | | | | |
|---|---|--|--|-----------------------|---|---|--|--|---------------|
|  | | | | | Finger Pattern | | | | |
| | | | | | FS3 | Suitable for soft fabric products. | | | |
| | | | | |  | | | | |
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-A7V5/FS3[P] | | FM-A7V5/FS3[PAS] | | FM-A7V5/FS3[H] | | FM-A7V5/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 |  120 |  220 | 104 | 51 | 27 |  300 |  380 | 104 |



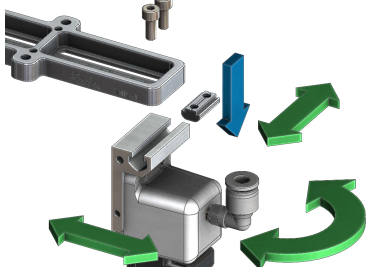
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



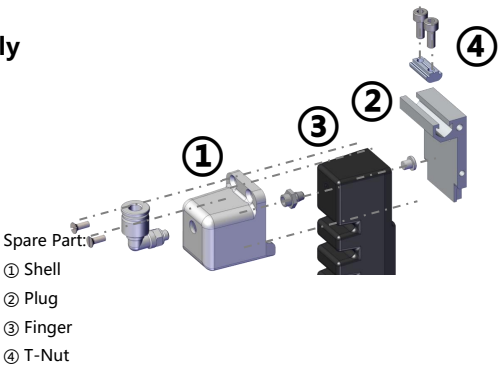
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

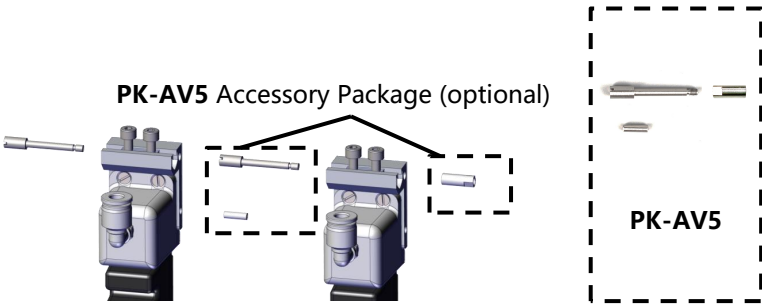


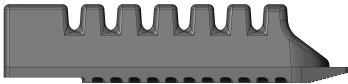
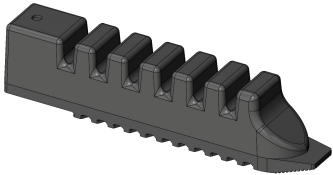
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|------------|
| FS3 | Special Form | | Suitable for soft fabric products. | | | | | | |
| Normal Material F-A7T/FS3[P] | | | Dust-free Normal Material F-A7T/FS3[PAS] | | Strong Material F-A7T/FS3[H] | | | Dust-free Strong Material F-A7T/FS3[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 51 | 39 | ⚠️ 120 | 📦 220 | 62 | 51 | 27 | ⚠️ 300 | 📦 380 | 62 |

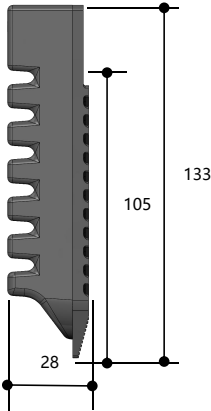
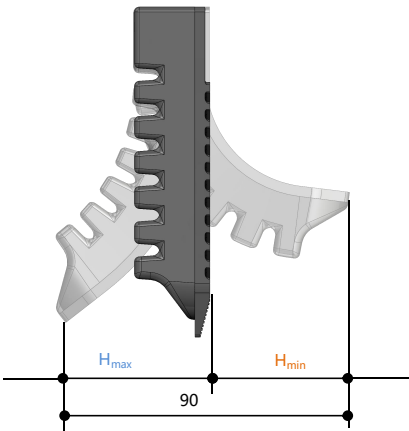


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

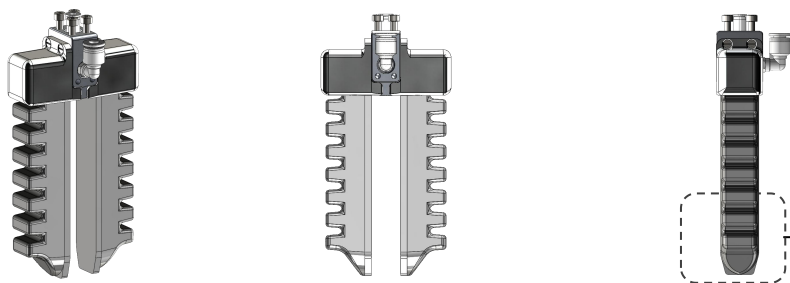


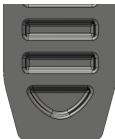
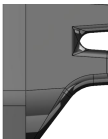
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters




Finger Module




| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A8V1/LS1[P] | | FM-A8V1/LS1[PAS] | | | FM-A8V1/LS1[H] | | FM-A8V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger[g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger[g] | Weight [g] |
| 0 | 108 |  120 |  420 | 224 | 0 | 82 |  300 |  560 | 224 |

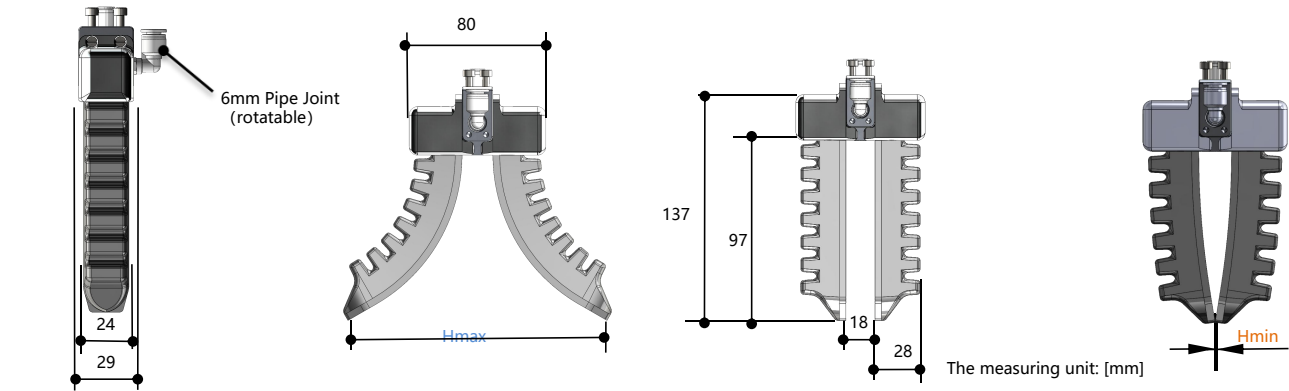


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

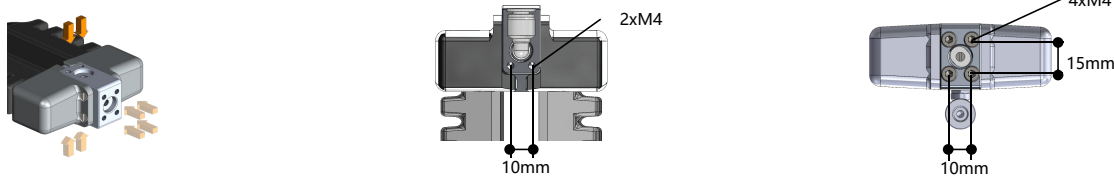


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

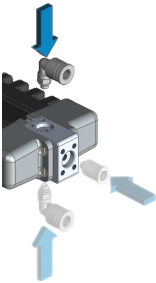
Finger Module



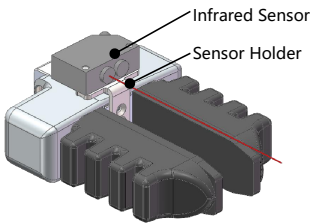
Fixation



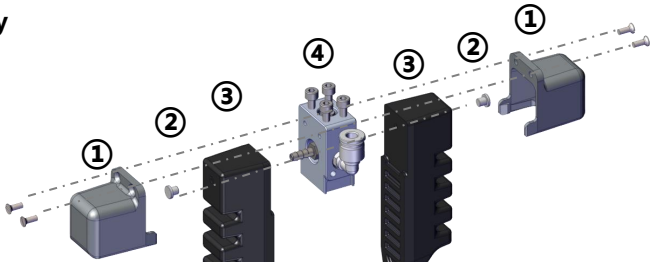
Air Intake



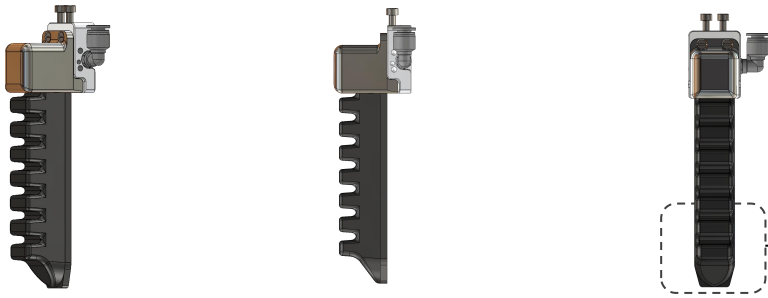
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

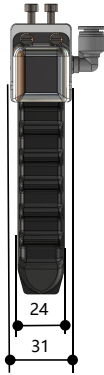
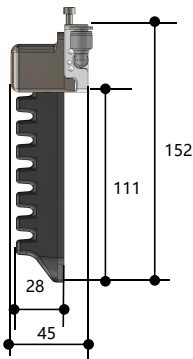
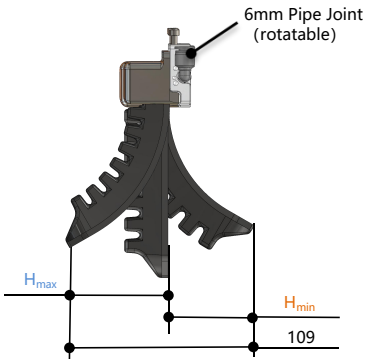


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-A8V2/LS1[P] | | FM-A8V2/LS1[PAS] | | | FM-A8V2/LS1[H] | | FM-A8V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 64 | 45 |  120 |  210 | 127 | 64 | 32 |  300 |  280 | 127 |

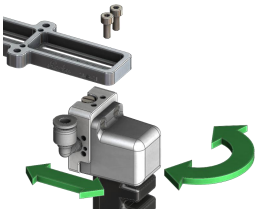
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

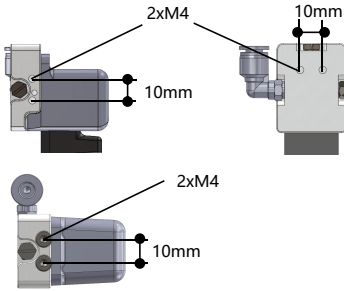
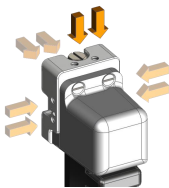


The measuring unit: [mm]

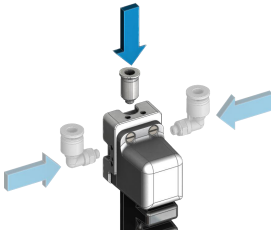
Pose Adjustment



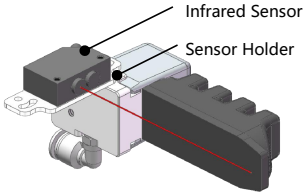
Fixation



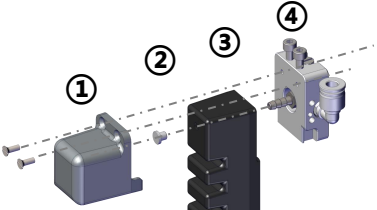
Air Intake



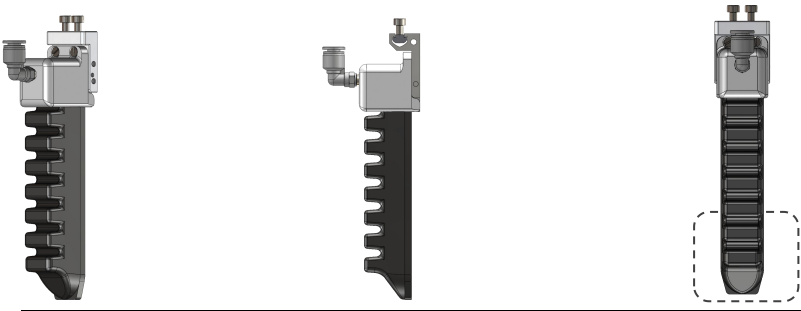
Sensor Installation









Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



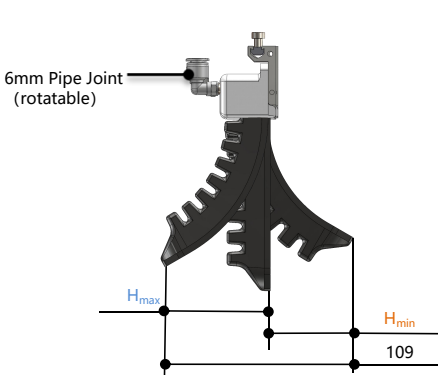
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

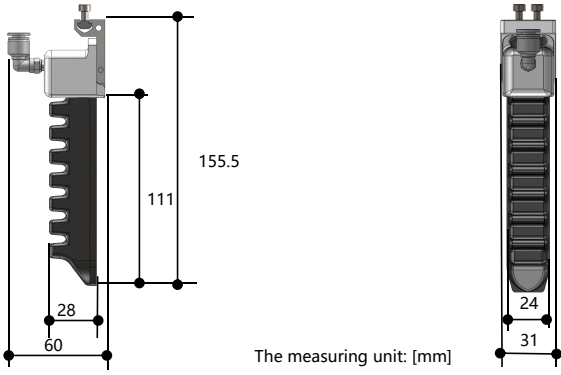
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------------------|--|--|
| FM-A8V3/LS1[P] | | | FM-A8V3/LS1[PAS] | | | FM-A8V3/LS1[H] | | | FM-A8V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 64 | 45 |  120 |  210 | 112 | 64 | 32 |  300 |  280 | 112 | | |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

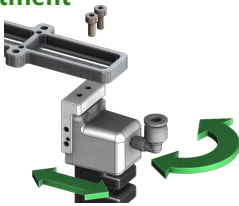
Finger Module



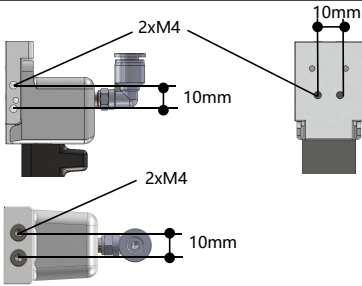
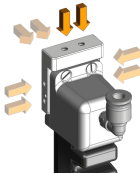


The measuring unit: [mm]

Pose Adjustment



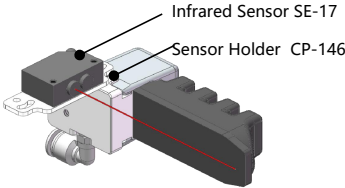
Fixation



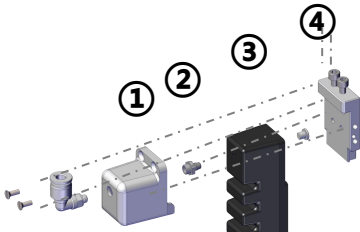
Air Intake



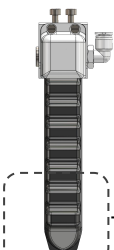
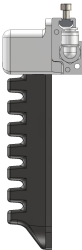
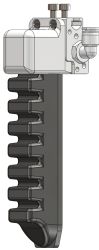
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

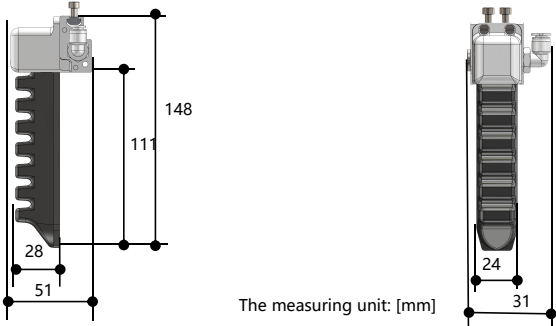
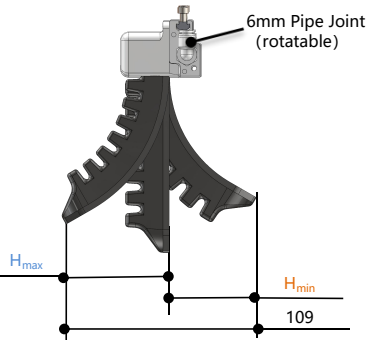


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

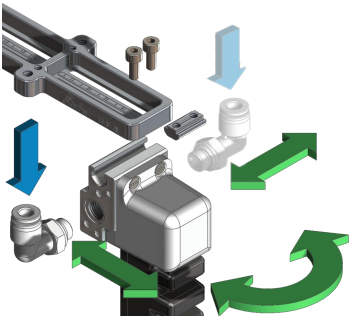
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------------------|--|--|
| FM-A8V4/LS1[P] | | | FM-A8V4/LS1[PAS] | | | FM-A8V4/LS1[H] | | | FM-A8V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 64 | 45 |  120 |  210 | 133 | 64 | 32 |  300 |  280 | 133 | | |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

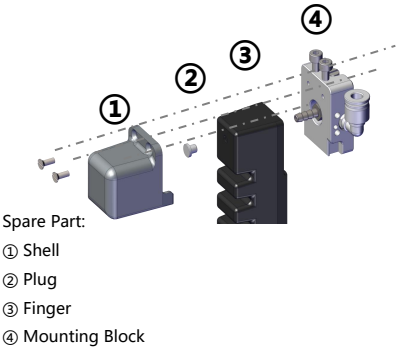
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

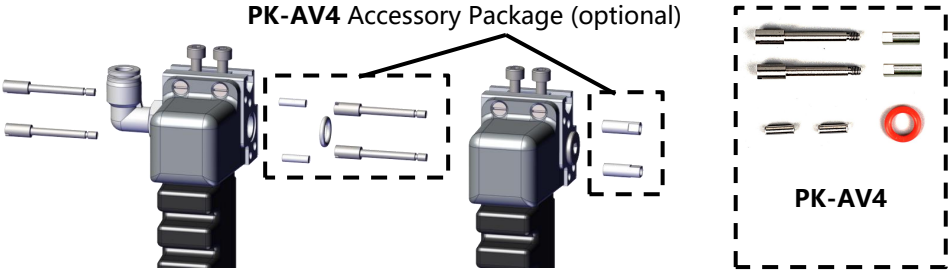


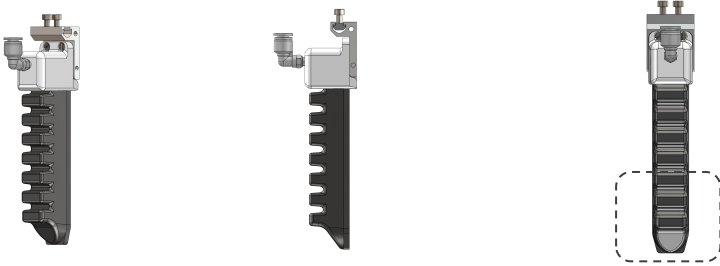
Assembly







Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit (PK) containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-A8V5/LS1[P] | | FM-A8V5/LS1[PAS] | | FM-A8V5/LS1[H] | | FM-A8V5/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 64 | 45 | ⚠️ 120 |  210 | 111 | 64 | 32 | ⚠️ 300 |  280 | 111 |

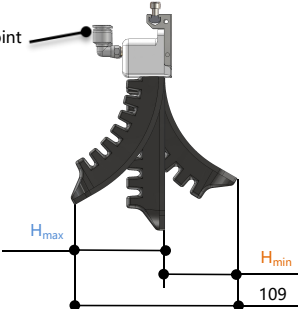


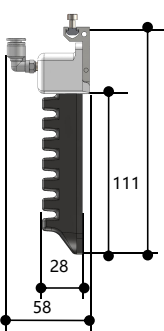
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

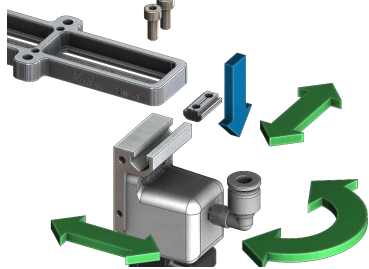
Finger Module



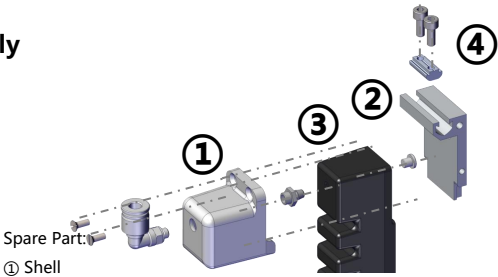


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

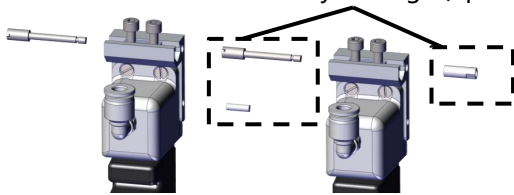


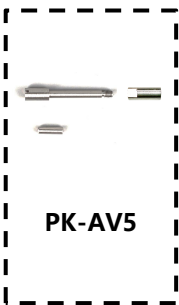
Spare Part:

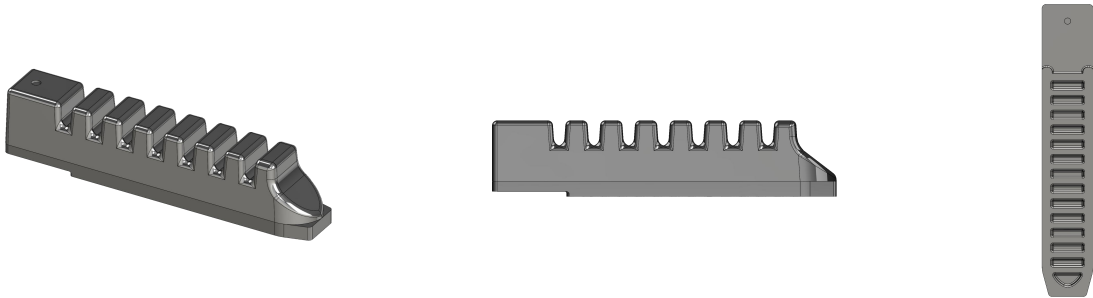
- ① Shell
- ② Plug
- ③ Finger
- ④ T-Nut



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





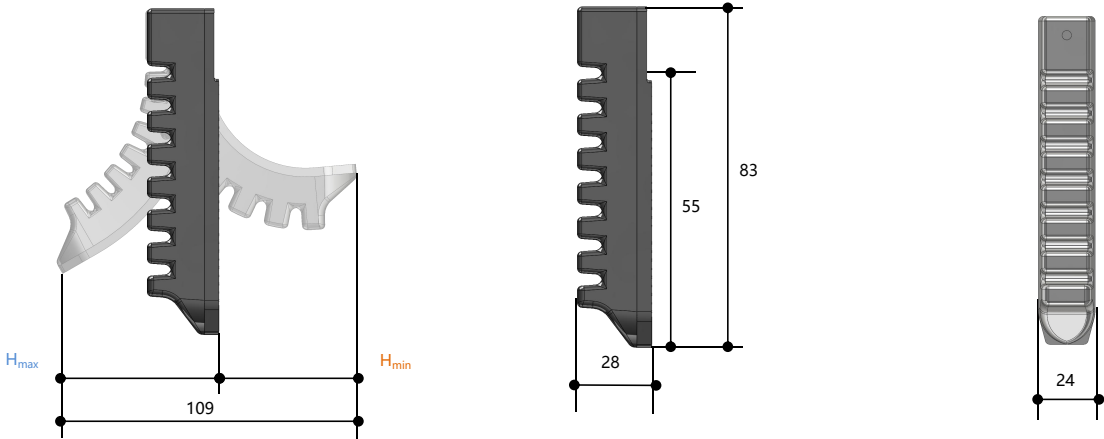


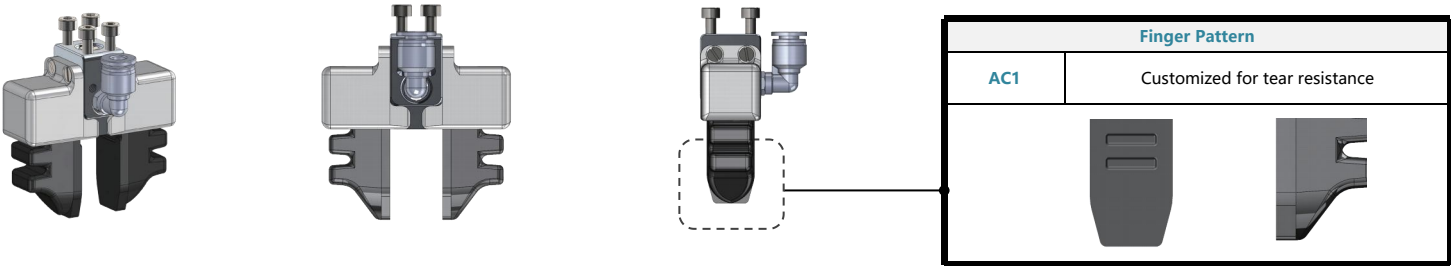
| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|---|------------|--|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-A8T/LS1[P] | | F-A8T/LS1[PAS] | | | F-A8T/LS1[H] | | | F-A8T/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 64 | 45 | ⚠ 120 |  210 | 69 | 64 | 32 | ⚠ 300 |  280 | 69 | |



 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



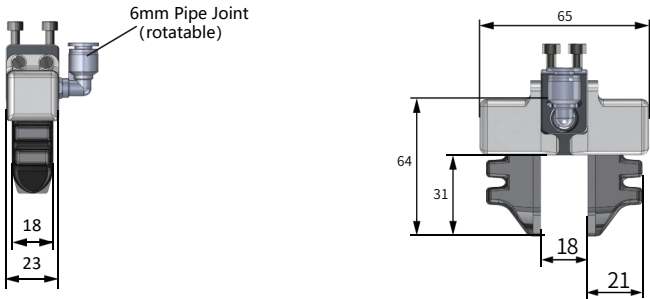


| Normal Material | | Dust-free Normal Material | |
|---|------------------------------------|---------------------------|--|
| FM-B3V1/AC1[P] | | FM-B3V1/AC1[PAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 340 | |  77 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

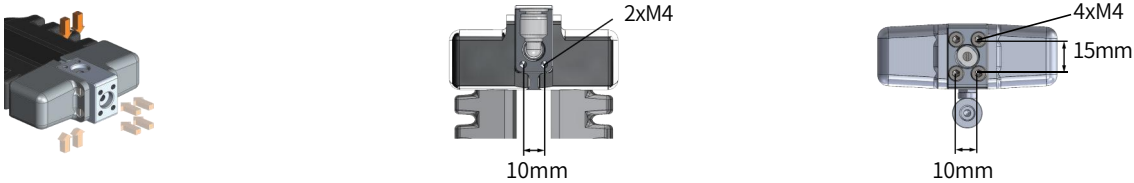
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module



The measuring unit: [mm]

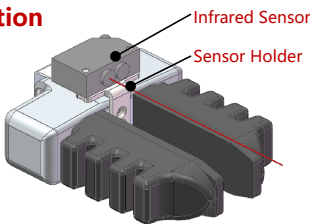
Fixation



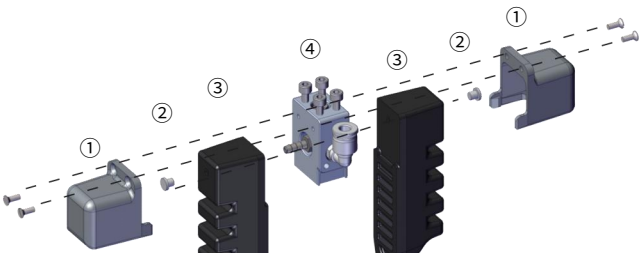
Air Intake



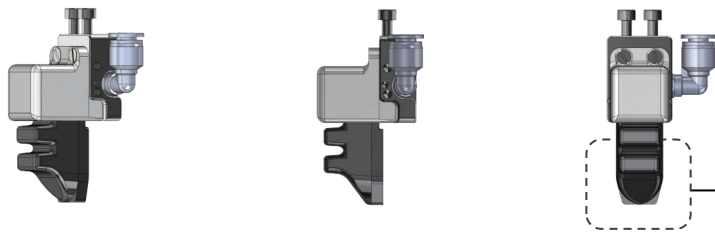
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

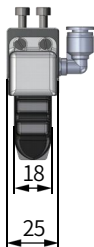
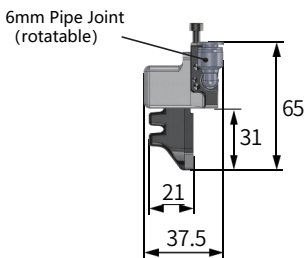


| Finger Pattern | |
|----------------|--------------------------------|
| U30 | Customized for tear resistance |
| | |

| Normal Material | | Dust-free Normal Material |
|------------------------|------------------------------------|---------------------------|
| FM-B3V2/AC1[P] | | FM-B3V2/AC1[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 120 | 170 | 52 |

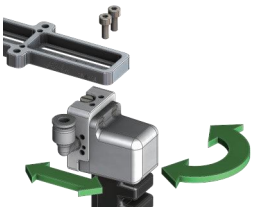
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

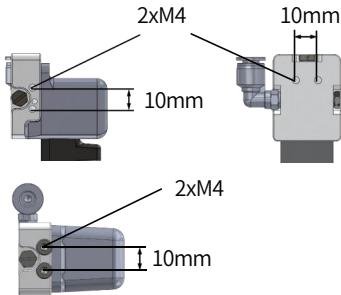
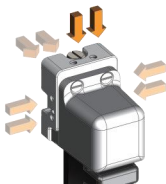


The measuring unit: [mm]

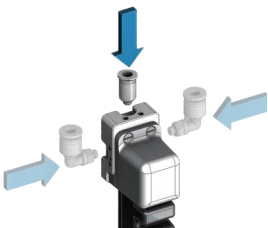
Pose Adjustment



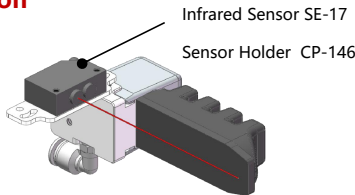
Fixation



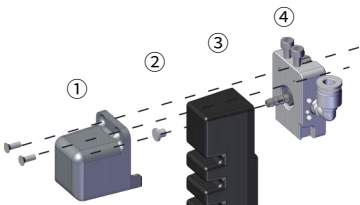
Air Intake



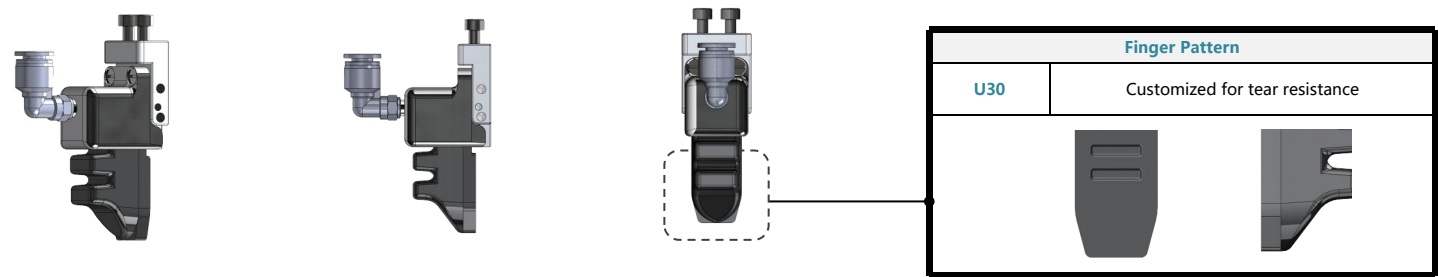
Sensor Installation



Assembly



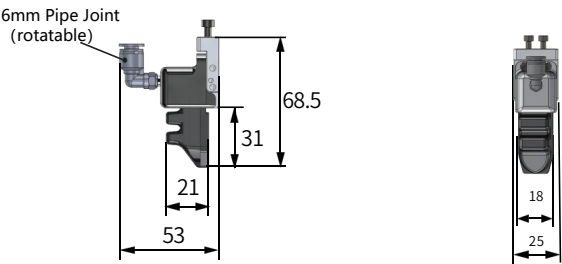
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Normal Material | | Dust-free Normal Material | |
|---|------------------------------------|---------------------------|--|
| FM-B3V3/AC1[P] | | FM-B3V3/AC1[PAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 170 | |  43 |

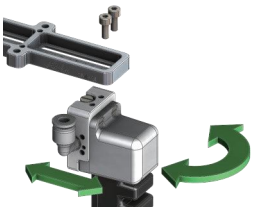
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

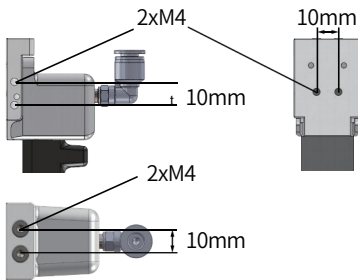
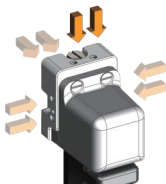


The measuring unit: [mm]

Pose Adjustment



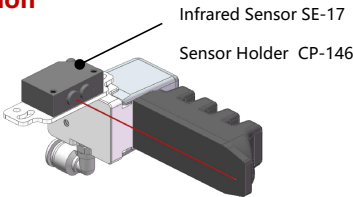
Fixation



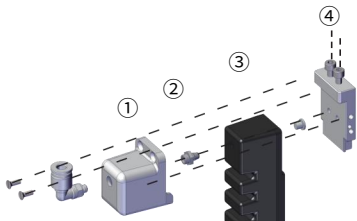
Air Intake



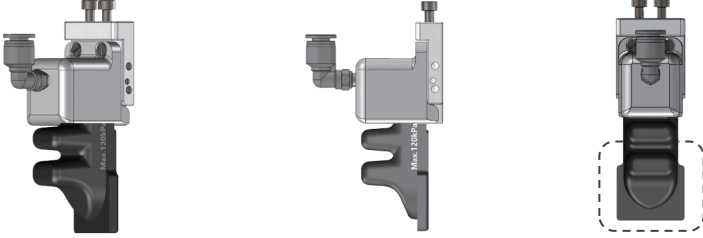
Sensor Installation






Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|--------------------------------|
| U30 | Customized for tear resistance |
|  | |

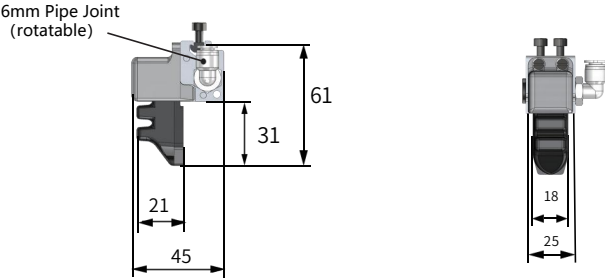
| Normal Material | | Dust-free Normal Material |
|---|------------------------------------|--|
| FM-B3V4/AC1[P] | | FM-B3V4/AC1[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 170 |  61 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

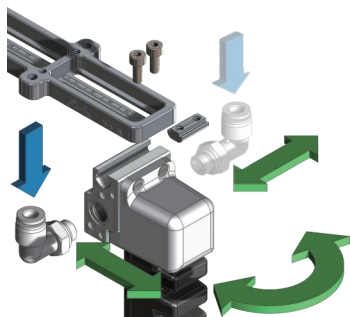


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

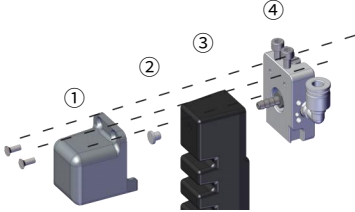


The measuring unit: [mm]

Air Intake & Pose Adjustment



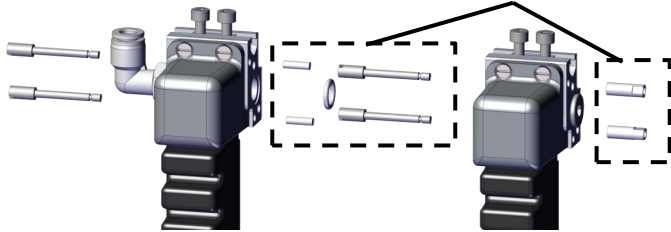
Assembly



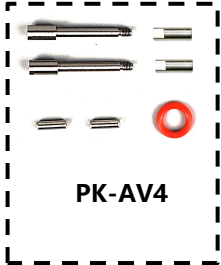
Spare Part:
① Shell
② Plug
③ Finger
④ Mounting Block

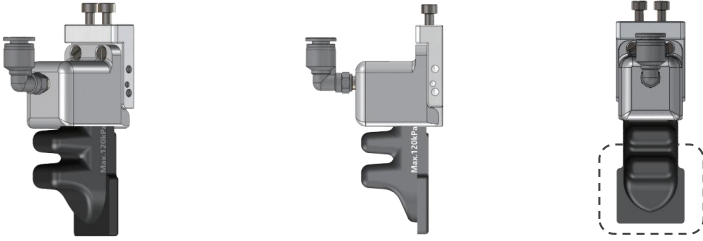
Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. The finger module has the function of confluence, realizing the seamless splicing between fingers. It can drive multiple fingers to move at the same time with only one air pipe (sharing the air inlet) to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






PK-AV4 Accessory Package (optional)






| Finger Pattern | |
|---|--------------------------------|
| U30 | Customized for tear resistance |
|  | |

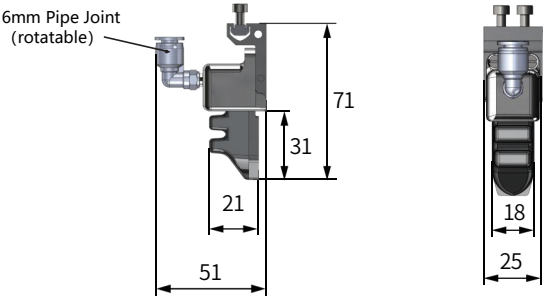
| Normal Material | | Dust-free Normal Material |
|---|---------------------------------|--|
| FM-B3V5/AC1[P] | | FM-B3V5/AC1[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 170 |  44 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

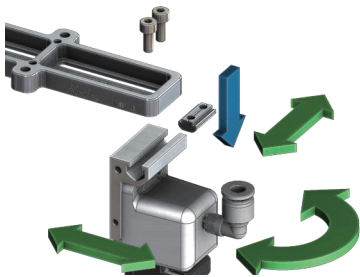


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



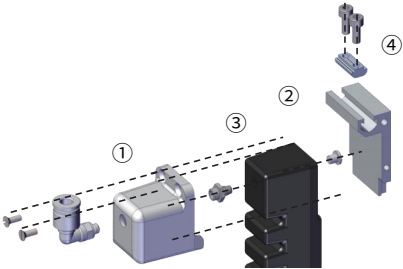
The measuring unit: [mm]

Air Intake & Pose Adjustment



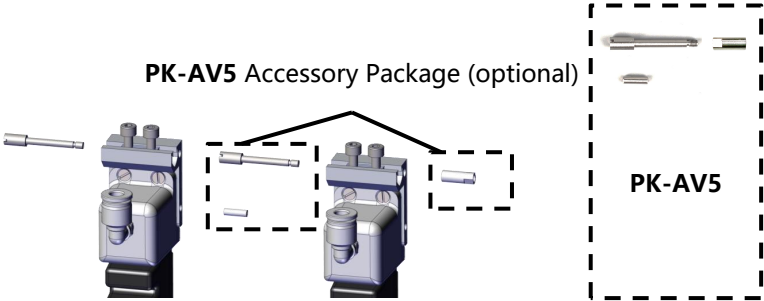
Assembly

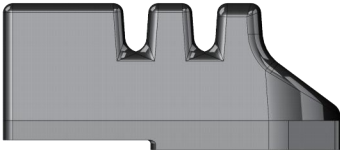
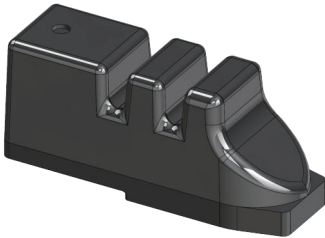
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ T-Nut






Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



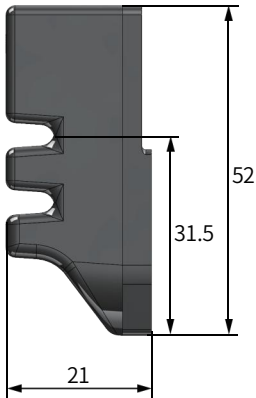


| Finger Pattern | | Features |
|---|------------------------------------|--|
| AC1 | Special Form | Customized for tear resistance |
| Normal Material | | Dust-free Normal Material |
| F-B3T/AC1 [P] | | F-B3T/AC1[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 170 |  11 |

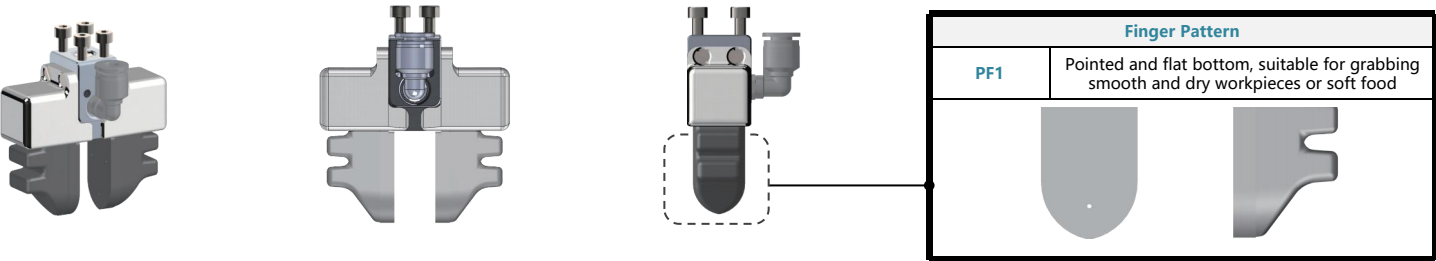
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



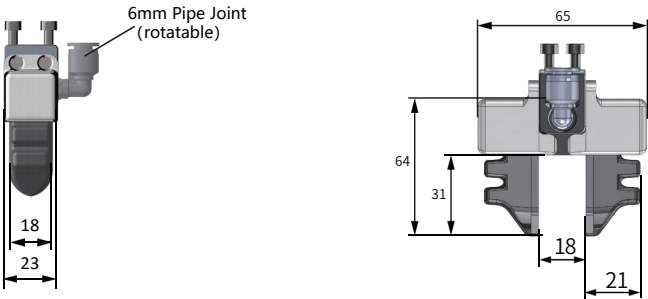
The measuring unit: [mm]



| | | | |
|---|------------------------------------|---------------------------|--|
| Normal Material | | Dust-free Normal Material | |
| FM-B3V1/PF1[H] | | FM-B3V1/PF1[HAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  260 | 480 | |  77 |

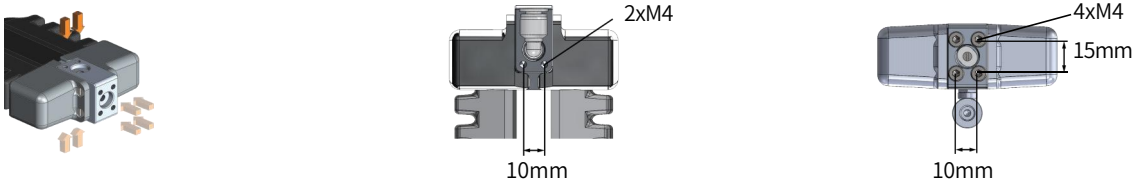
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The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



The measuring unit: [mm]

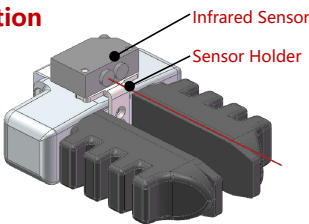
Fixation



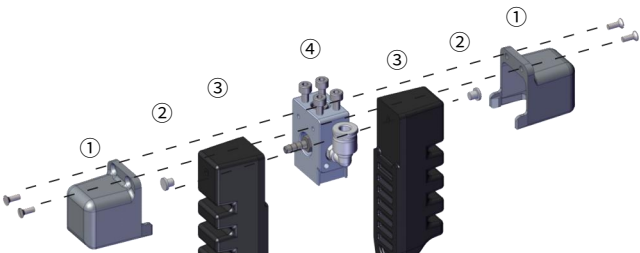
Air Intake



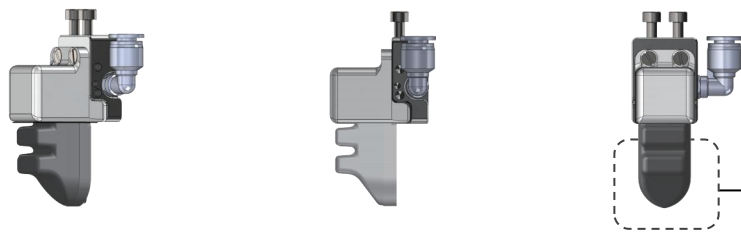
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

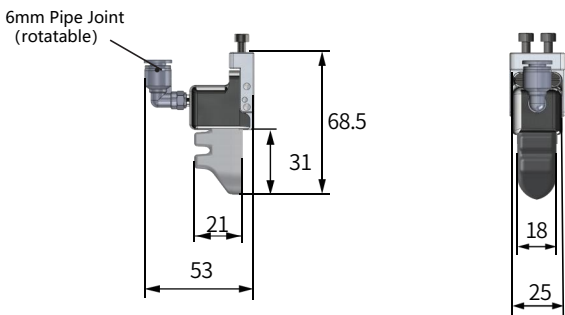


| Finger Pattern | |
|----------------|---|
| PF1 | Pointed and flat bottom, suitable for grabbing smooth and dry workpieces or soft food |
| | |

| Normal Material | | Dust-free Normal Material |
|---------------------|---------------------------------|---------------------------|
| FM-B3V2/PF1[H] | | FM-B3V2/PF1[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 260 | 240 | 52 |

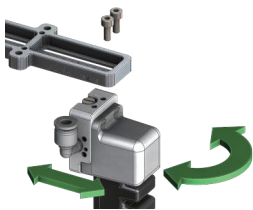
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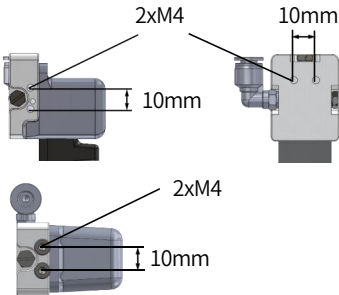
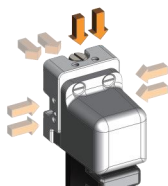


The measuring unit: [mm]

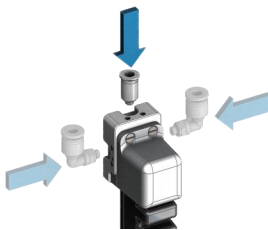
Pose Adjustment



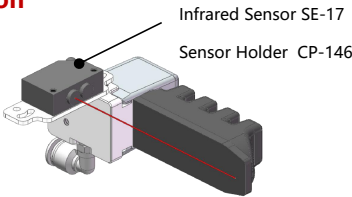
Fixation



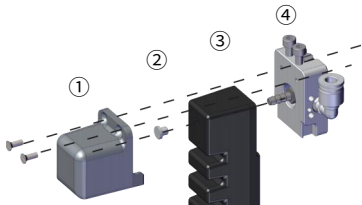
Air Intake



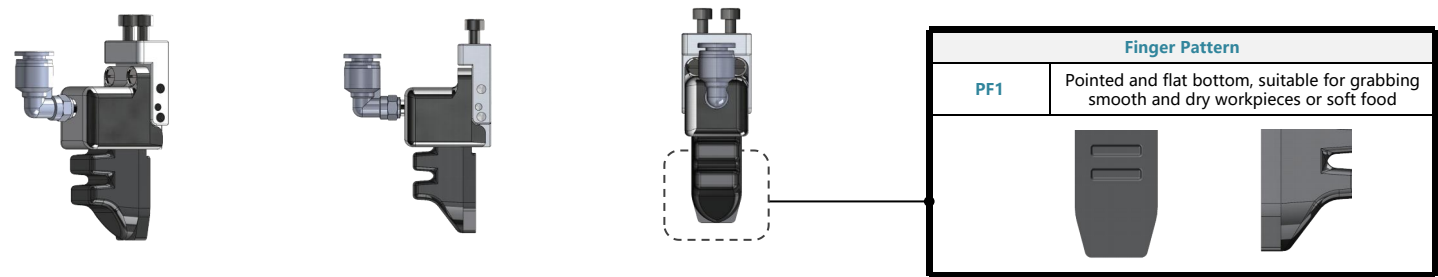
Sensor Installation



Assembly



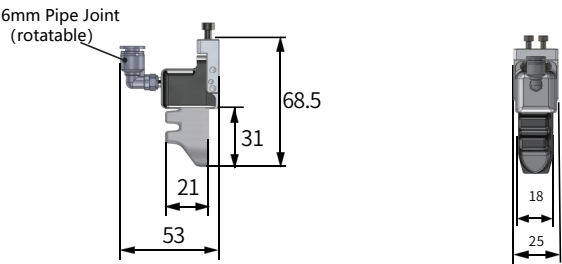
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Normal Material | | Dust-free Normal Material |
|---------------------|---------------------------------|---------------------------|
| FM-B3V3/PF1[H] | | FM-B3V3/PF1[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 260 | 240 | 43 |

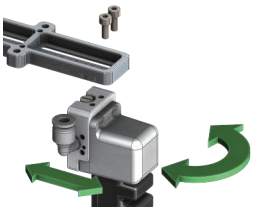
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

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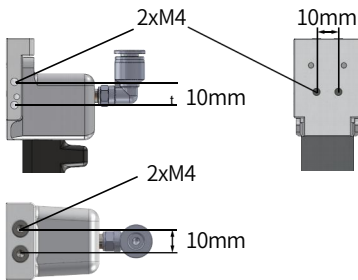
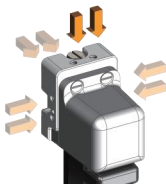


The measuring unit: [mm]

Pose Adjustment



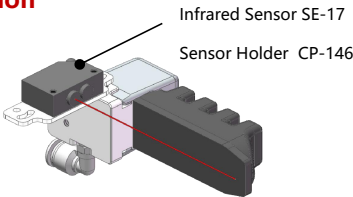
Fixation



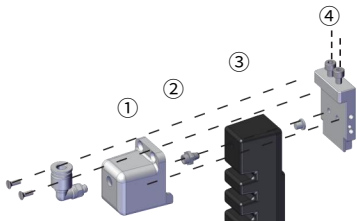
Air Intake



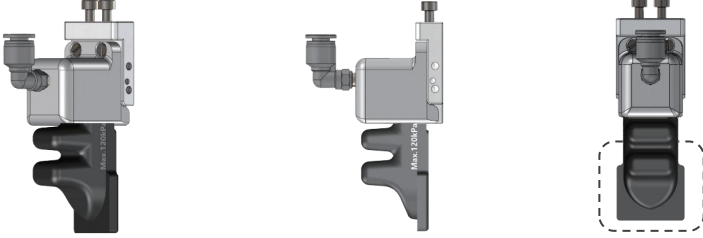
Sensor Installation






Assembly





- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

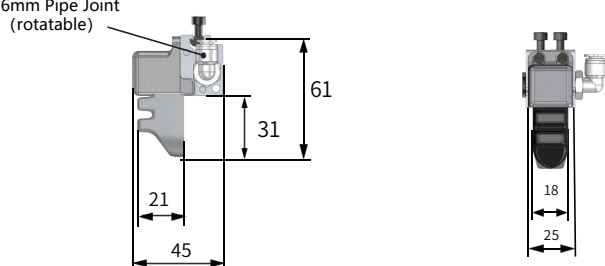


| Finger Pattern | |
|---|---|
| U30 | Pointed and flat bottom, suitable for grabbing smooth and dry workpieces or soft food |
|  | |

| Normal Material | | Dust-free Normal Material |
|--|---------------------------------|---|
| FM-B3V4/PF1[H] | | FM-B3V4/PF1[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  260 | 240 |  61 |

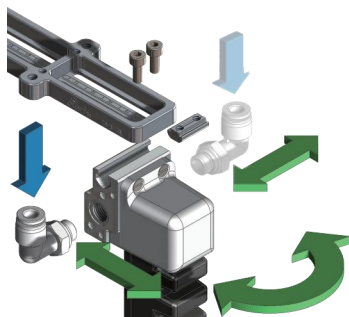
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

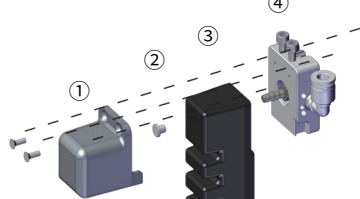


The measuring unit: [mm]

Air Intake & Pose Adjustment



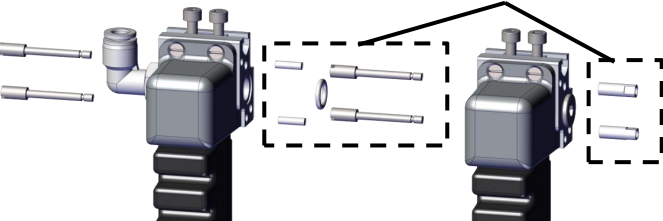
Assembly




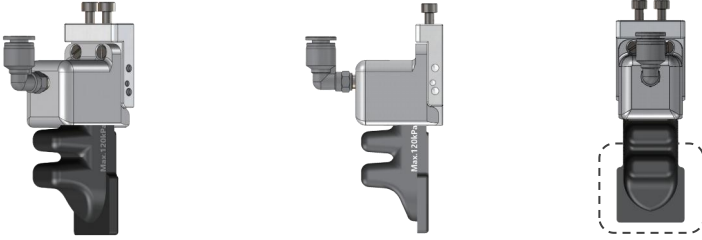
Spare Part:
① Shell
② Plug
③ Finger
④ Mounting Block


Series combination:



- Build multiple finger modules in series to increase the grip force.
 - The finger module has the function of confluence, realizing the seamless splicing between fingers. It can drive multiple fingers to move at the same time with only one air pipe (sharing the air inlet) to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.









| Finger Pattern | |
|---|---|
| PF1 | Pointed and flat bottom, suitable for grabbing smooth and dry workpieces or soft food |
|  | |

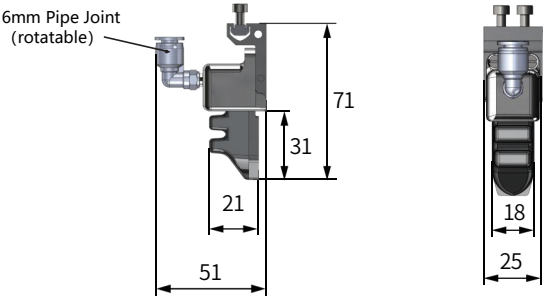
| Normal Material | | Dust-free Normal Material |
|---|---------------------------------|--|
| FM-B3V5/PF1[H] | | FM-B3V5/PF1[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  260 | 240 |  44 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

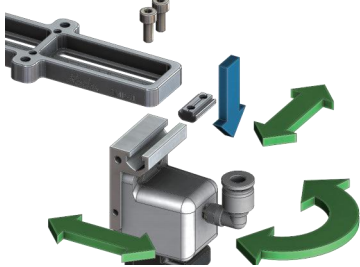


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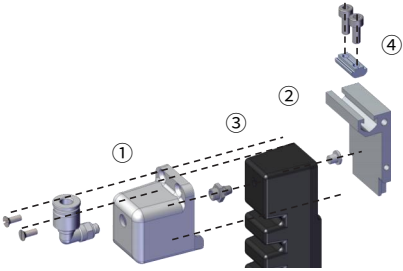


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly



Spare Part:

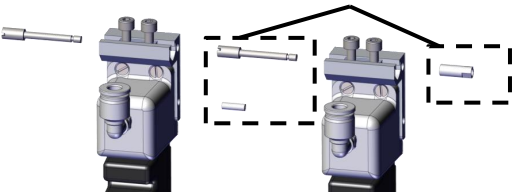
- ① Shell
- ② Plug
- ③ Finger
- ④ T-Nut

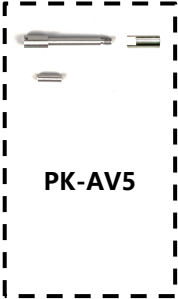
Series combination:

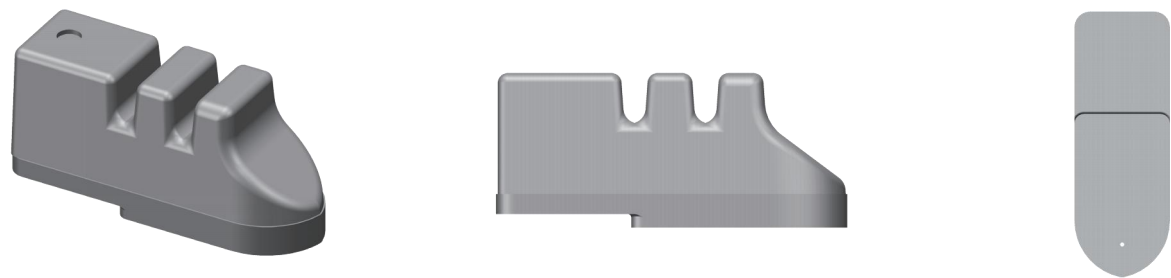
- Build multiple finger modules in series to increase the grip force.
- Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.



*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.


PK-AV5 Accessory Package (optional)






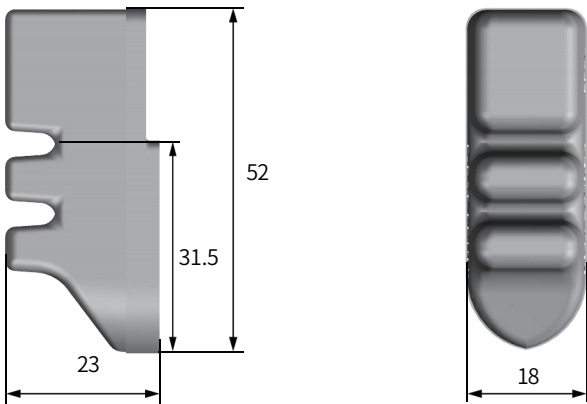


| Finger Pattern | | Features |
|---|---------------------------------|--|
| PF1 | Special Form | Pointed and flat bottom, suitable for grabbing smooth and dry workpieces or soft food |
| Normal Material | | Dust-free Normal Material |
| F-B3T/PF1 [H] | | F-B3T/PF1[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  260 | 240 |  11 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

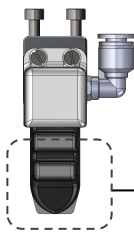
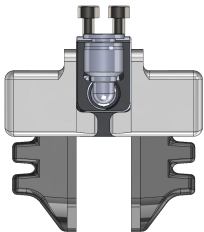
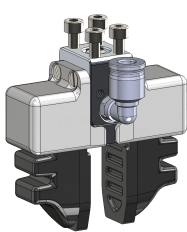
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters







The measuring unit: [mm]

Finger Module



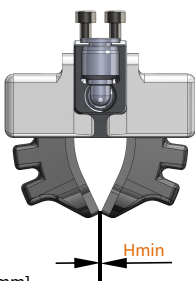
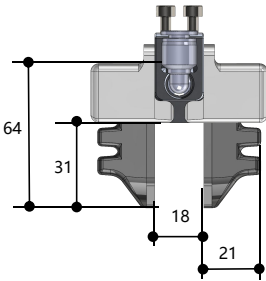
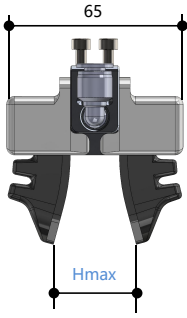
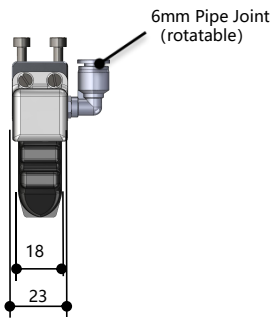
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B3V1/LS1[P] | | | FM-B3V1/LS1[PAS] | | | FM-B3V1/LS1[H] | | | FM-B3V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 0 | 38 |  120 |  340 | 77 | 0 | 30 |  260 |  480 | 77 | | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

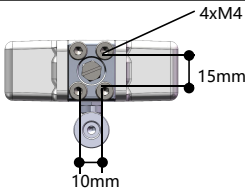
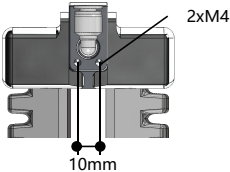
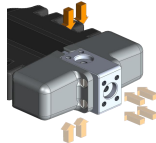
📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

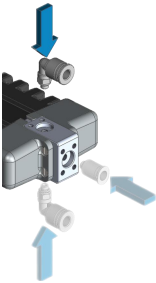


The measuring unit: [mm]

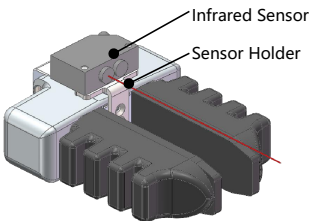
Fixation



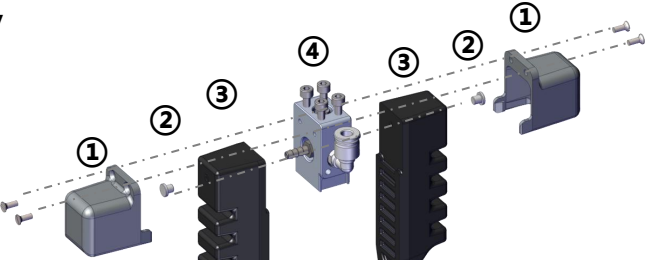
Air Intake



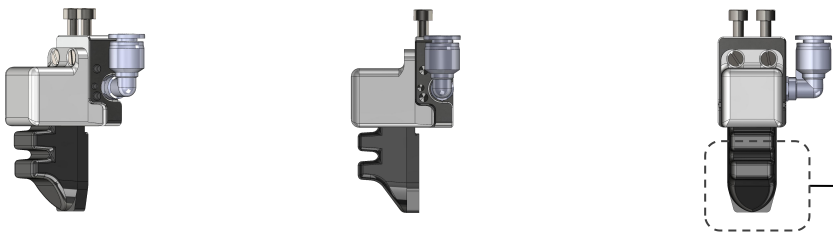
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

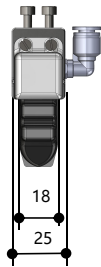
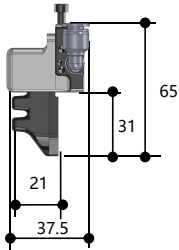
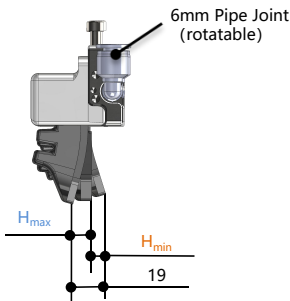


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-B3V2/LS1[P] | | FM-B3V2/LS1[PAS] | | | FM-B3V2/LS1[H] | | FM-B3V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 9 | 10 | ⚠ 120 | 170 | 52 | 9 | 6 | ⚠ 260 | 240 | 52 |

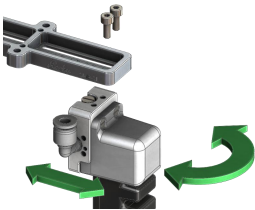
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

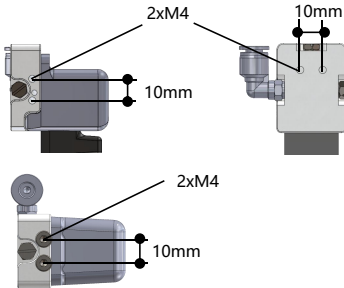
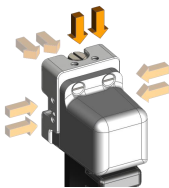


The measuring unit: [mm]

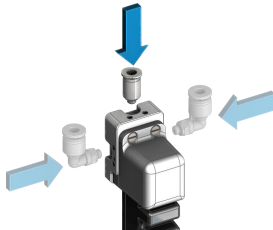
Pose Adjustment



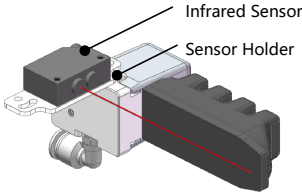
Fixation



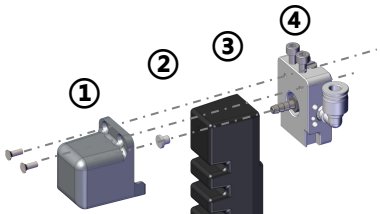
Air Intake



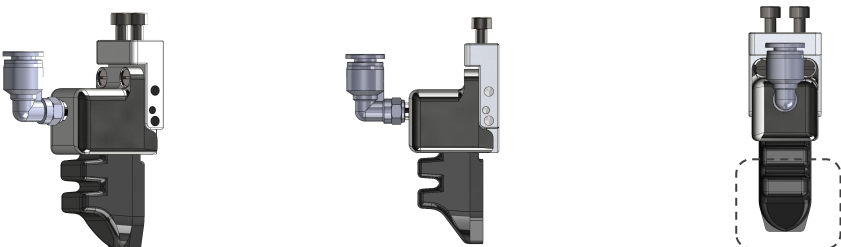
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



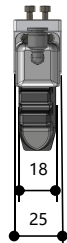
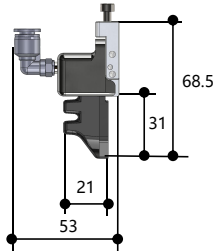
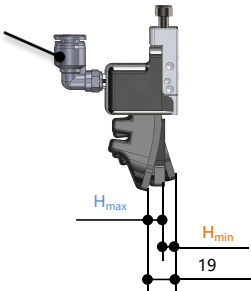
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B3V3/LS1[P] | | FM-B3V3/LS1[PAS] | | | FM-B3V3/LS1[H] | | FM-B3V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 9 | 10 |  120 |  170 | 43 | 9 | 6 |  260 |  240 | 43 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

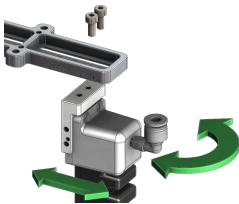
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint (rotatable)

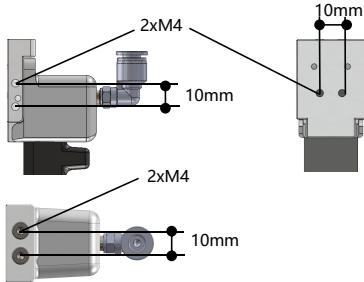
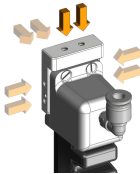


The measuring unit: [mm]

Pose Adjustment



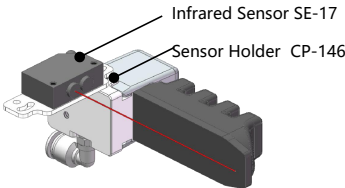
Fixation



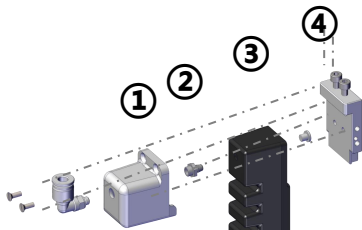
Air Intake



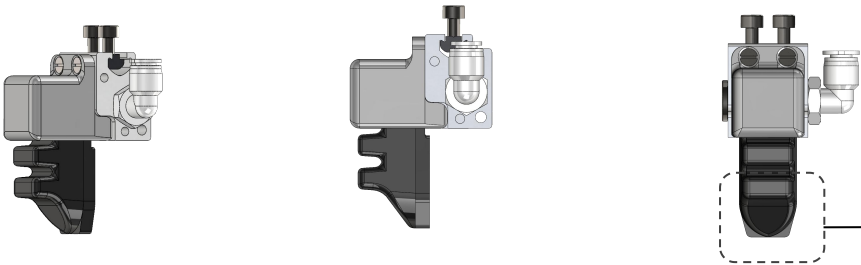
Sensor Installation



Assembly








- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



Finger Pattern

| | |
|-----|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|-----|---|



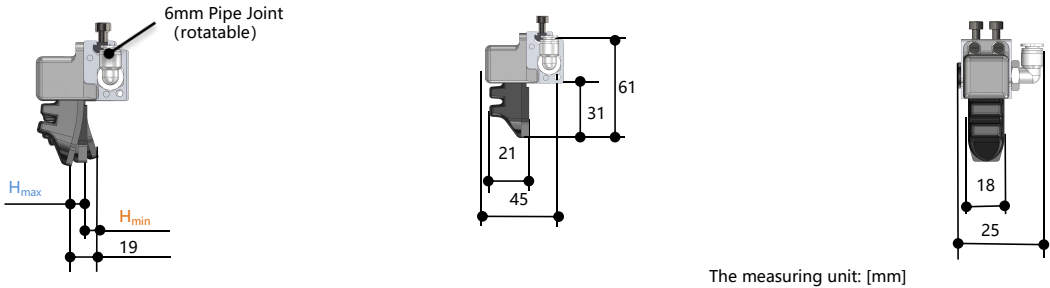
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------|
| FM-B3V4/LS1[P] | | FM-B3V4/LS1[PAS] | | | FM-B3V4/LS1[H] | | FM-B3V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 9 | 10 |  120 |  170 | 61 | 9 | 6 |  260 |  240 | 61 |



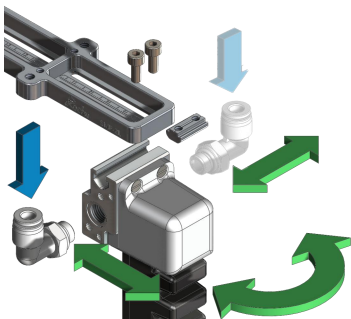
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



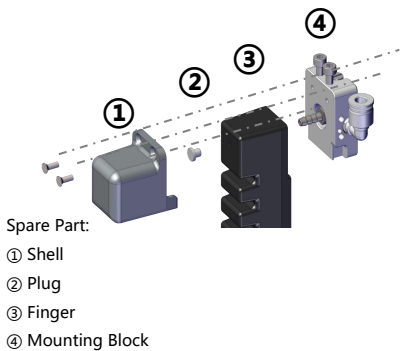
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

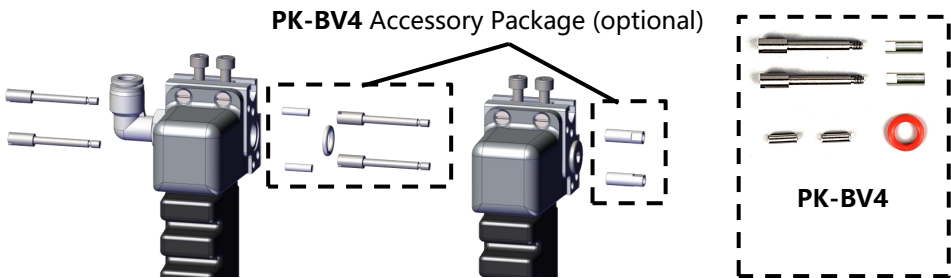


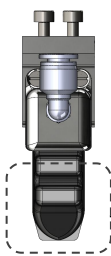
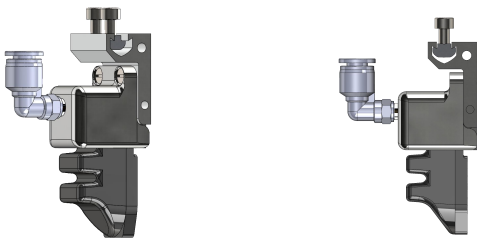
Assembly

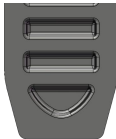
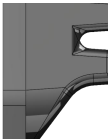






Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




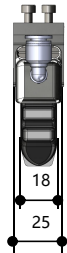
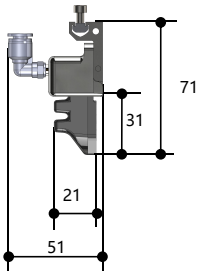
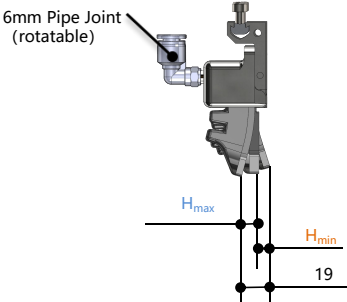


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B3V5/LS1[P] | | FM-B3V5/LS1[PAS] | | | FM-B3V5/LS1[H] | | FM-B3V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 9 | 10 |  120 |  170 | 44 | 9 | 6 |  260 |  240 | 44 |

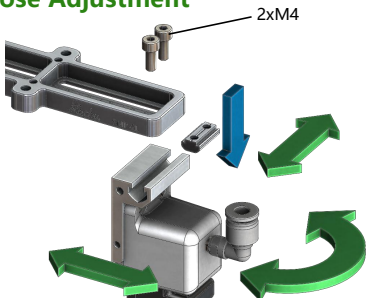
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

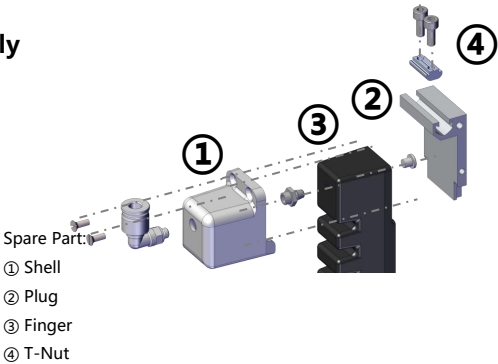


The measuring unit: [mm]

Air Intake & Pose Adjustment

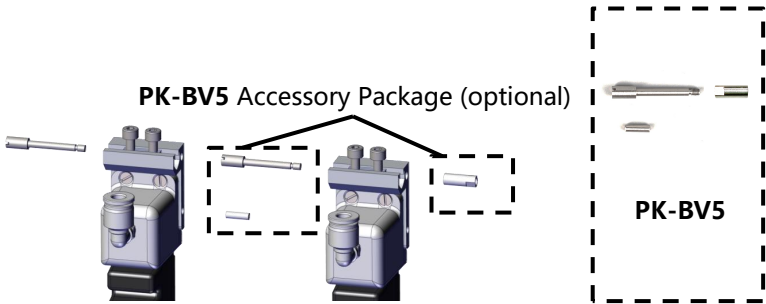


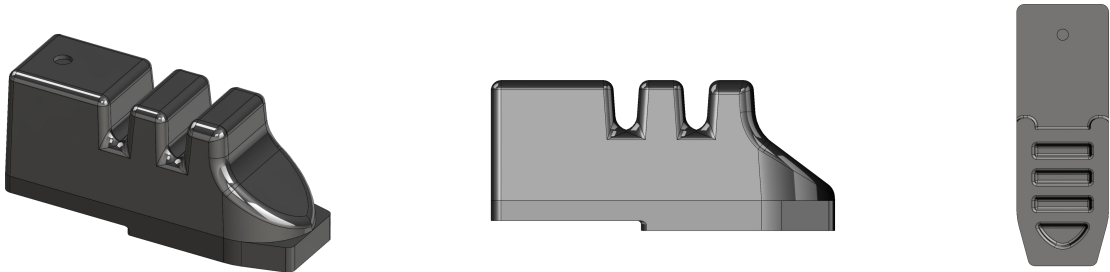
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



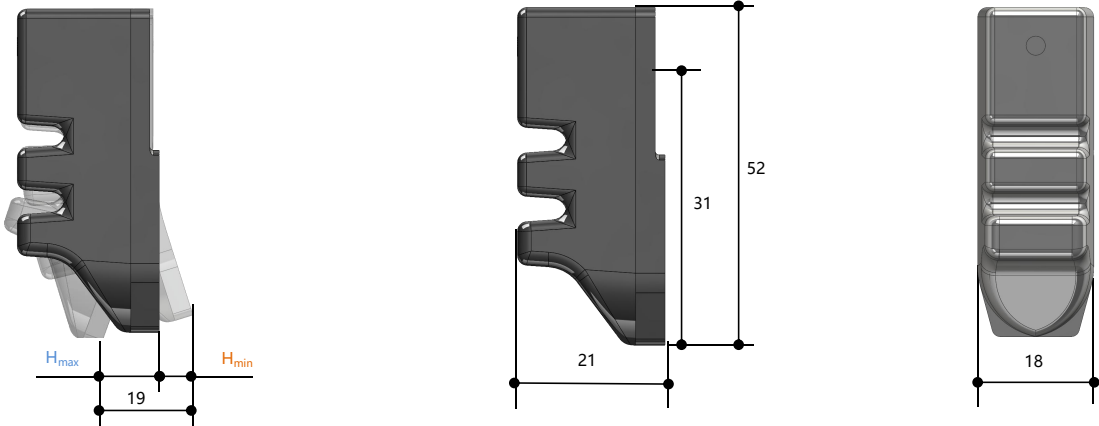


| Finger Pattern | | Features | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|---|------------|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-B3T/LS1[P] | | F-B3T/LS1[PAS] | | | F-B3T/LS1[H] | | | F-B3T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 9 | 10 | ⚠ 120 |  170 | 11 | 9 | 6 | ⚠ 260 |  240 | 11 |

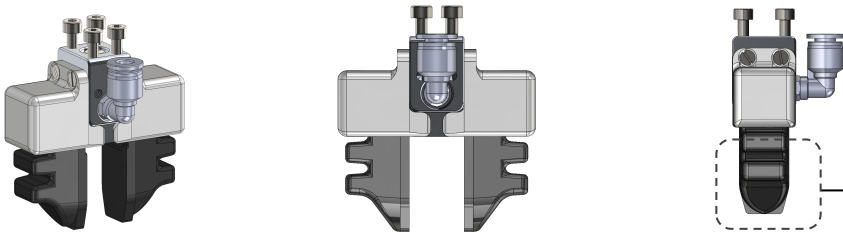
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters




Finger Module



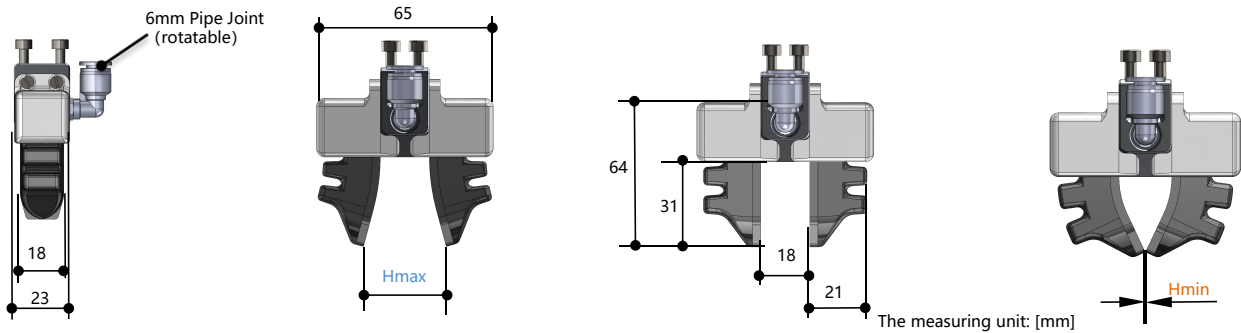
| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---|------------|---|---|---------------------------|---|------------|
| FM-B3V1/LF1[P] | | FM-B3V1/LF1[PAS] | | | FM-B3V1/LF1[H] | | FM-B3V1/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 38 | ⚠ 120 |  340 | 77 | 0 | 30 | ⚠ 260 |  480 | 77 |

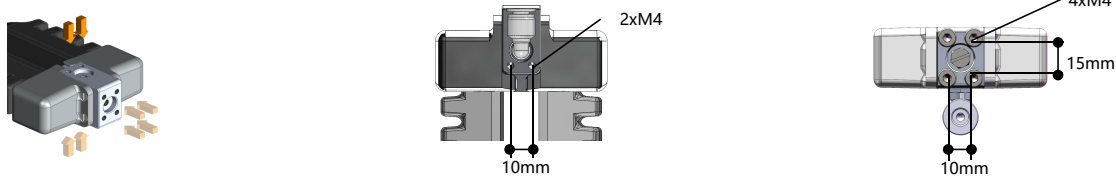
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

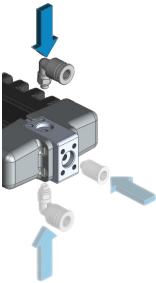
Finger Module



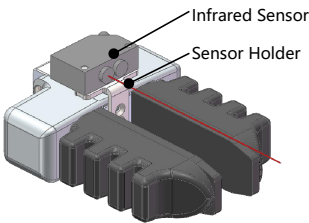
Fixation



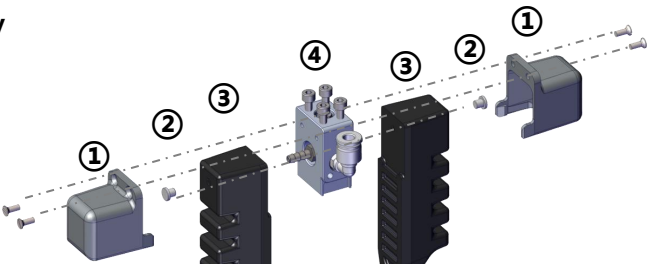
Air Intake



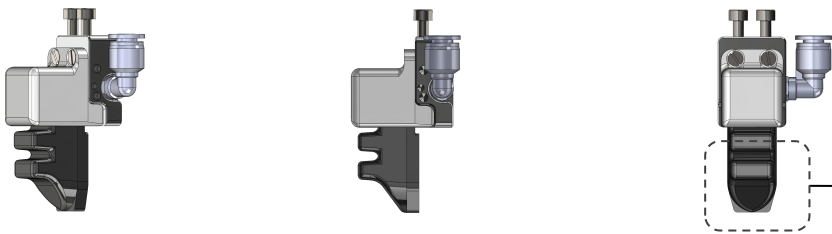
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

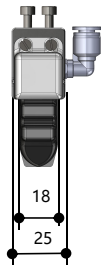
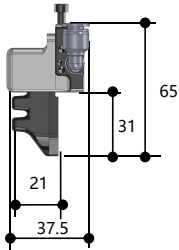
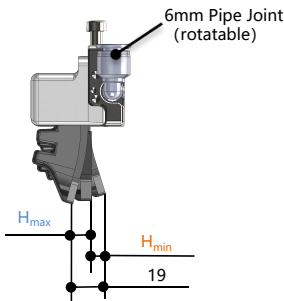


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B3V2/LF1[P] | | FM-B3V2/LF1[PAS] | | | FM-B3V2/LF1[H] | | FM-B3V2/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 9 | 10 |  120 |  170 | 52 | 9 | 6 |  260 |  240 | 52 |

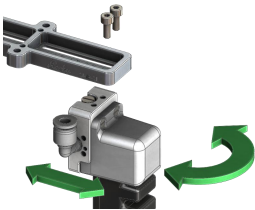
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

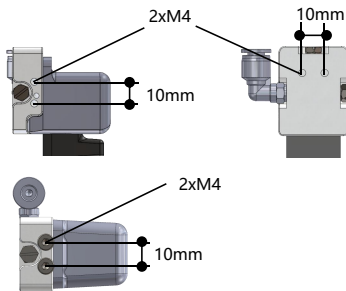
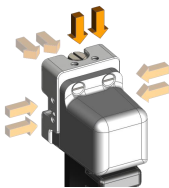


The measuring unit: [mm]

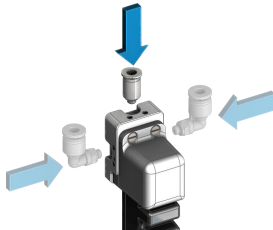
Pose Adjustment



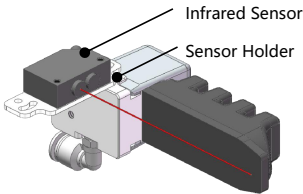
Fixation



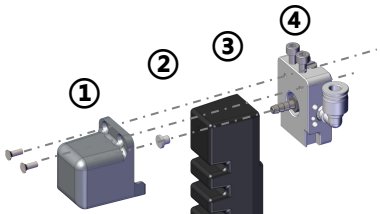
Air Intake



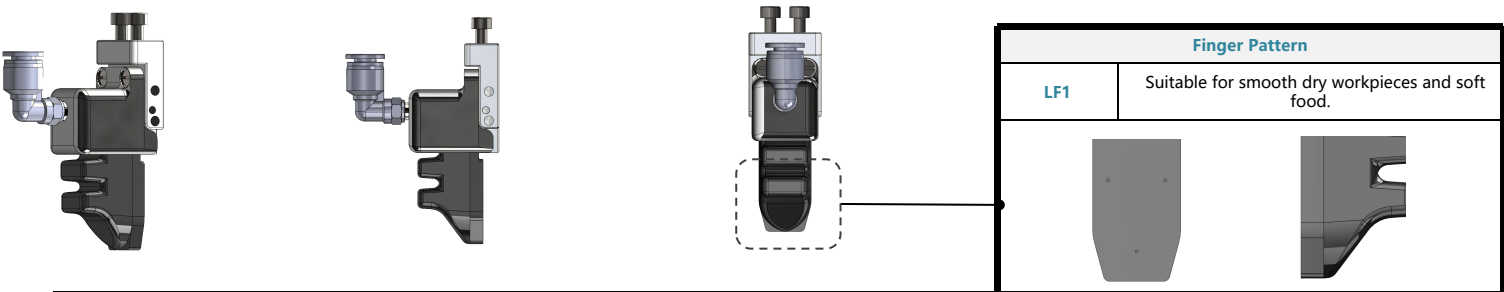
Sensor Installation









Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

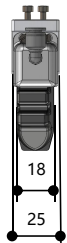
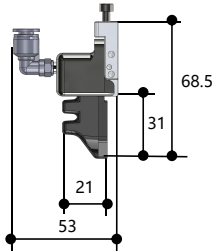
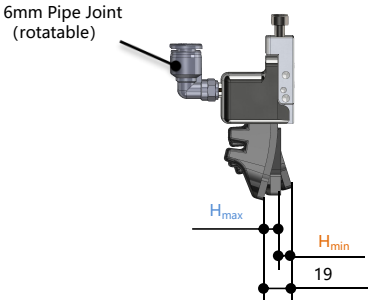


| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B3V3/LF1[P] | | FM-B3V3/LF1[PAS] | | | FM-B3V3/LF1[H] | | FM-B3V3/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 9 | 10 |  120 |  170 | 43 | 9 | 6 |  260 |  240 | 43 |

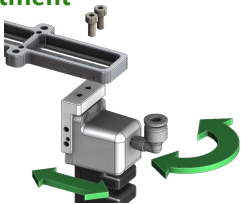
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

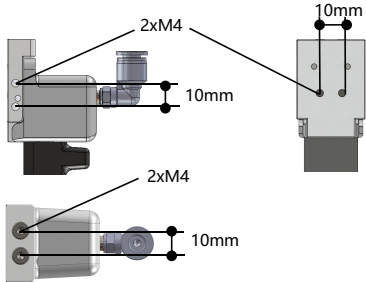
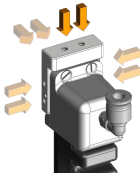


The measuring unit: [mm]

Pose Adjustment



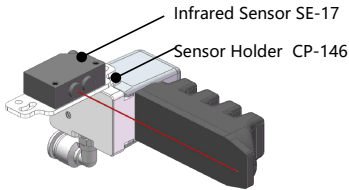
Fixation



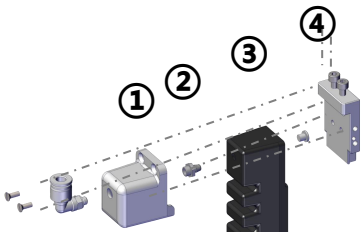
Air Intake



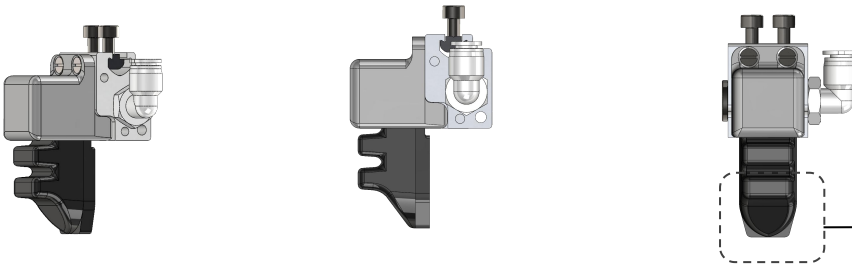
Sensor Installation




Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  | |

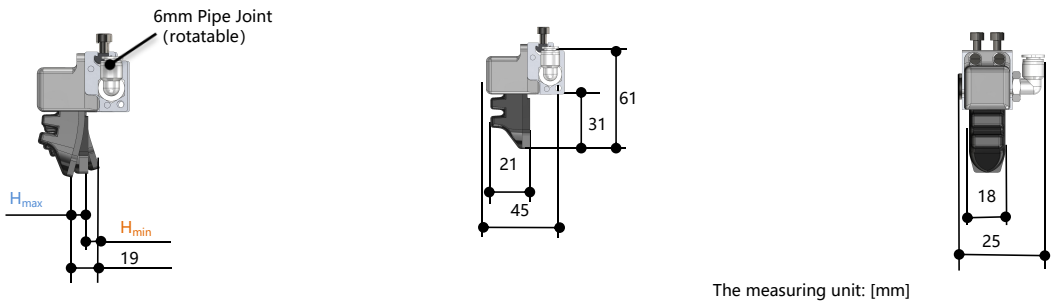
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---------------------------------|-----------------|---|---|---------------------|---------------------------------|------------|
| FM-B3V4/LF1[P] | | FM-B3V4/LF1[PAS] | | FM-B3V4/LF1[H] | | FM-B3V4/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 9 | 10 | ⚠️ 120 | 📏 170 | 61 | 9 | 6 | ⚠️ 260 | 📏 240 | 61 |



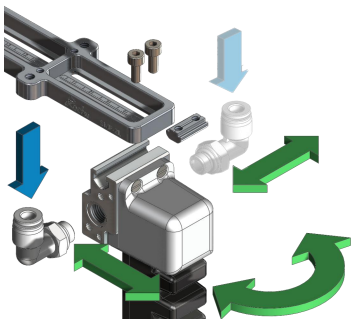
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



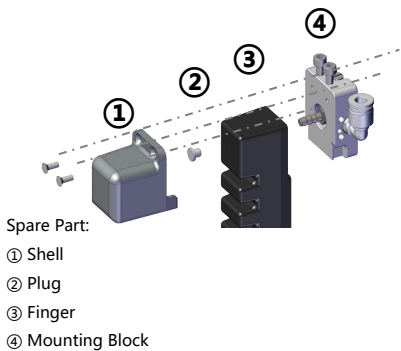
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

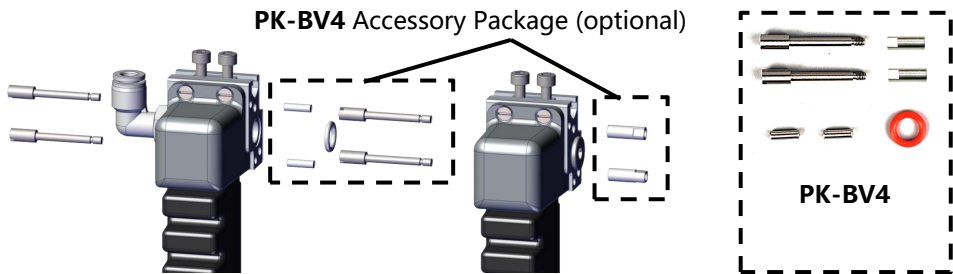


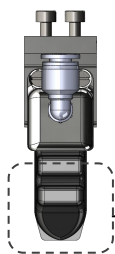
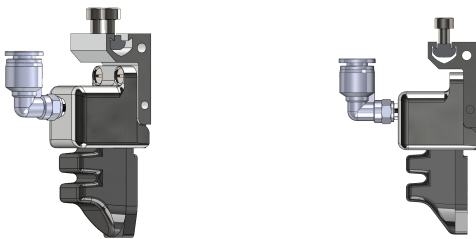
Assembly

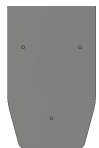







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




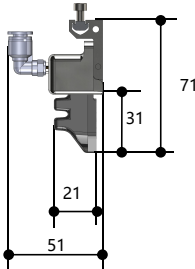
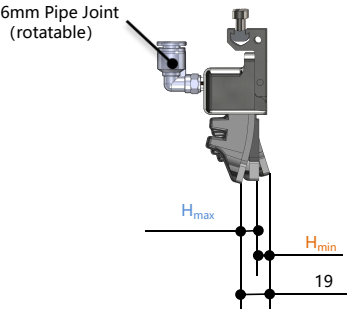


| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B3V5/LF1[P] | | | FM-B3V5/LF1[PAS] | | | FM-B3V5/LF1[H] | | | FM-B3V5/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 9 | 10 |  120 |  170 | 44 | 9 | 6 |  260 |  240 | 44 | | |

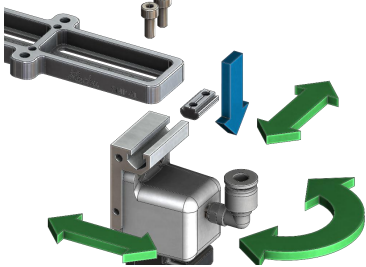
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

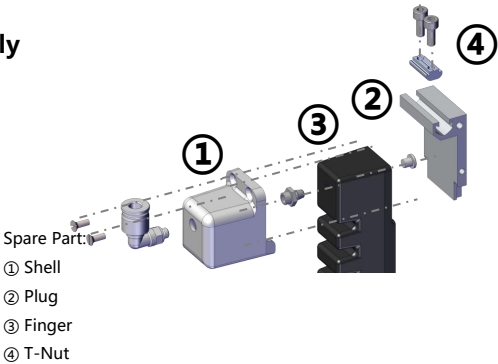


The measuring unit: [mm]

Air Intake & Pose Adjustment

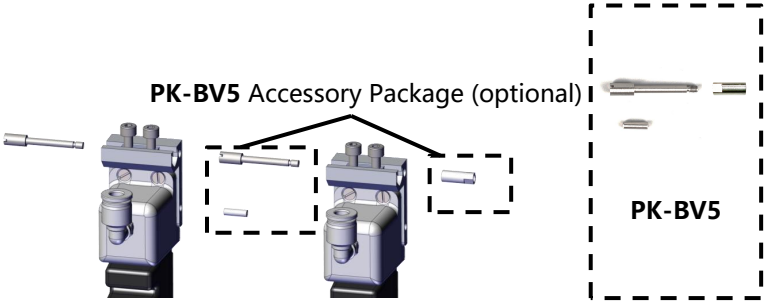


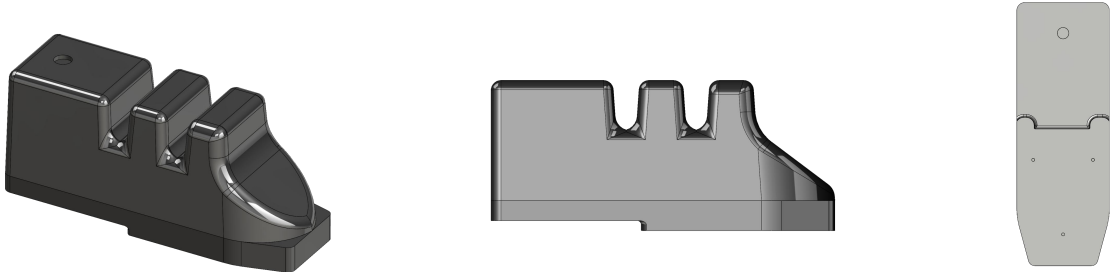
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



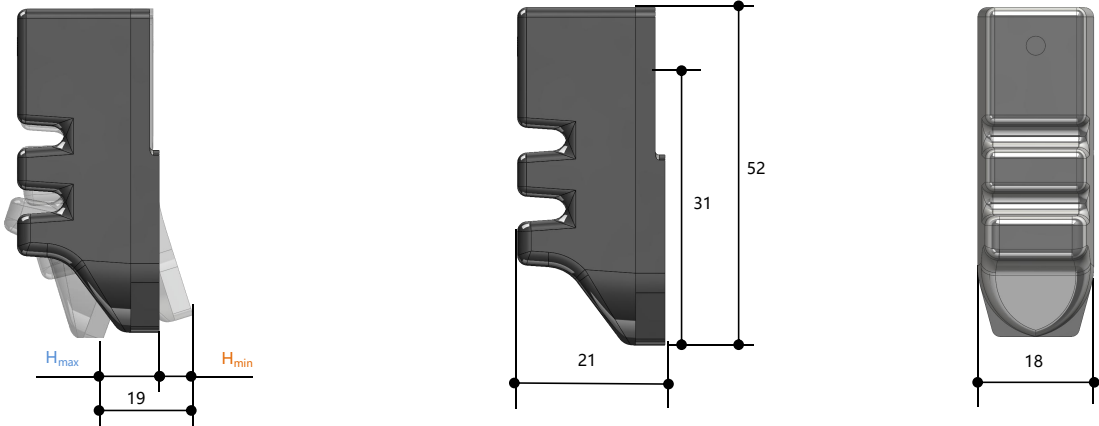


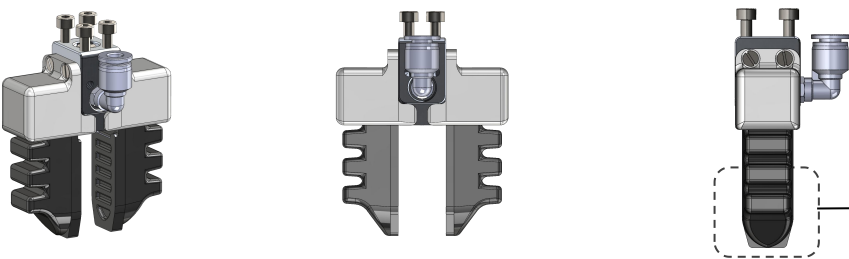
| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|---|------------|--|
| LF1 | Special Form | Suitable for smooth dry workpieces and soft food. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-B3T/LF1[P] | | F-B3T/LF1[PAS] | | | F-B3T/LF1[H] | | | F-B3T/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 9 | 10 | ⚠ 120 |  170 | 11 | 9 | 6 | ⚠ 260 |  240 | 11 | |

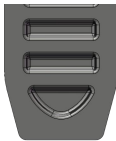

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Dimension Parameters






| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

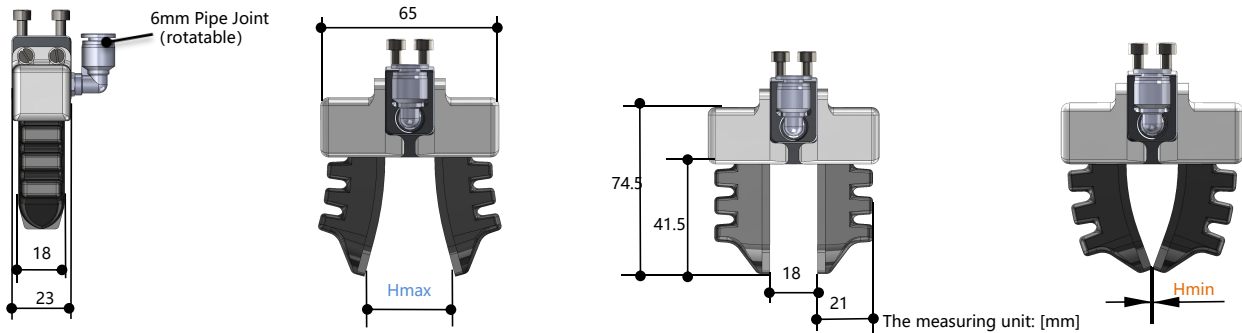
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B4V1/LS1[P] | | FM-B4V1/LS1[PAS] | | FM-B4V1/LS1[H] | | FM-B4V1/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 44 | ⚠ 120 |  400 | 85 | 0 | 38 | ⚠ 260 |  460 | 85 |



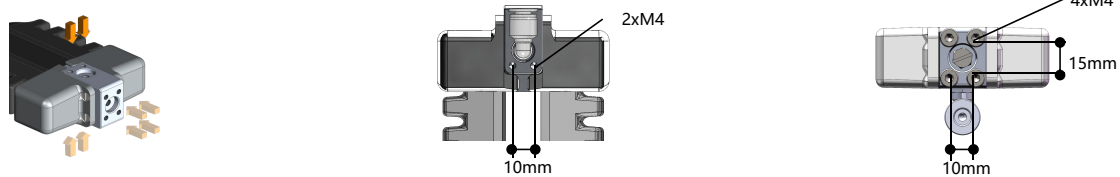
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



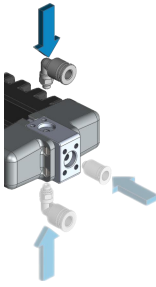
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



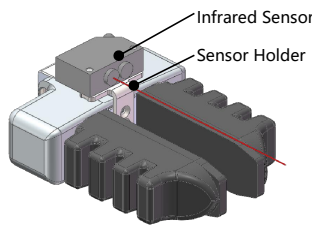
Fixation



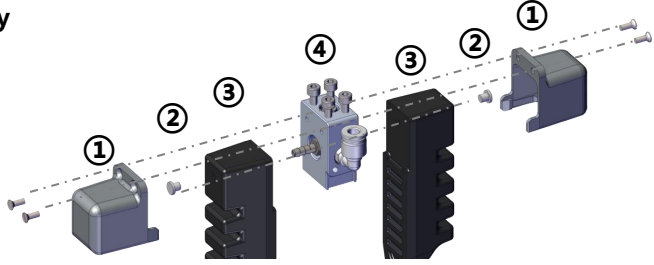
Air Intake



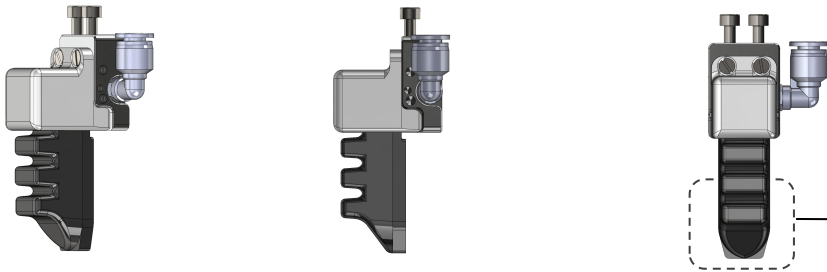
Sensor Installation






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

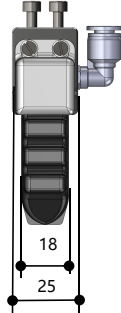
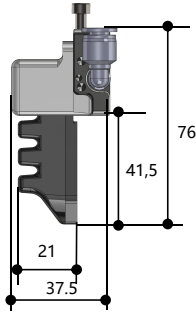
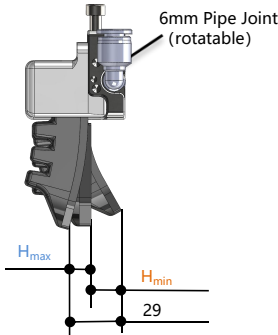
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B4V2/LS1[P] | | FM-B4V2/LS1[PAS] | | | FM-B4V2/LS1[H] | | FM-B4V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 |  120 |  200 | 56 | 16 | 10 |  260 |  240 | 56 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

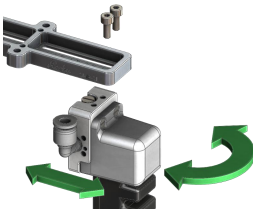


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

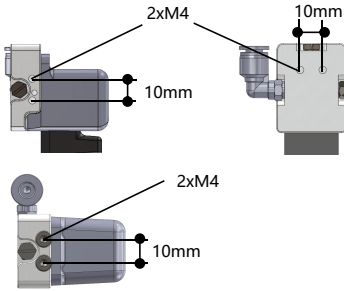
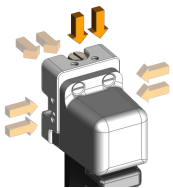


The measuring unit: [mm]

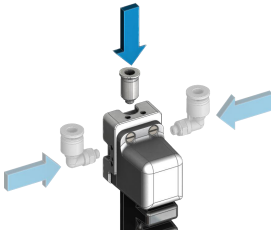
Pose Adjustment



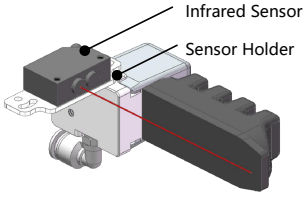
Fixation



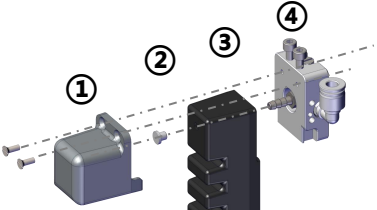
Air Intake



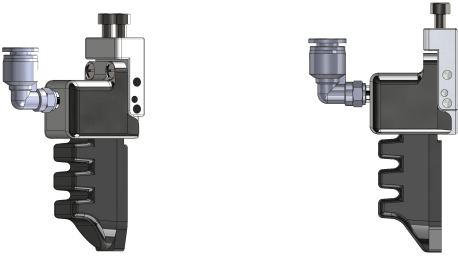
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

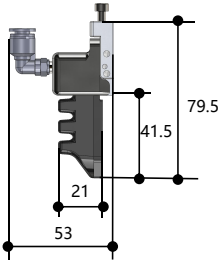
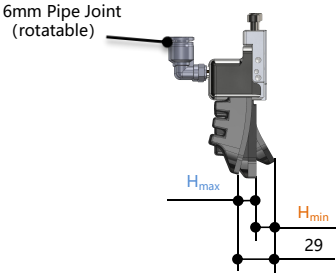


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B4V3/LS1[P] | | FM-B4V3/LS1[PAS] | | | FM-B4V3/LS1[H] | | FM-B4V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 |  120 |  200 | 47 | 16 | 10 |  260 |  240 | 47 |

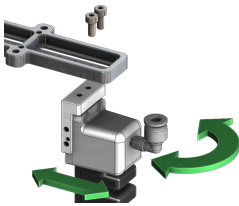
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

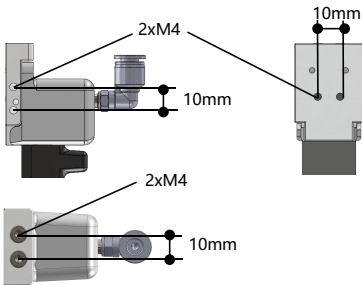
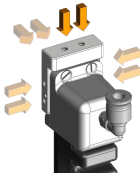


The measuring unit: [mm]

Pose Adjustment



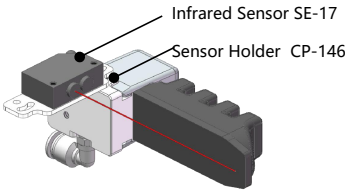
Fixation



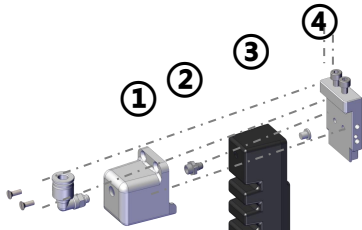
Air Intake



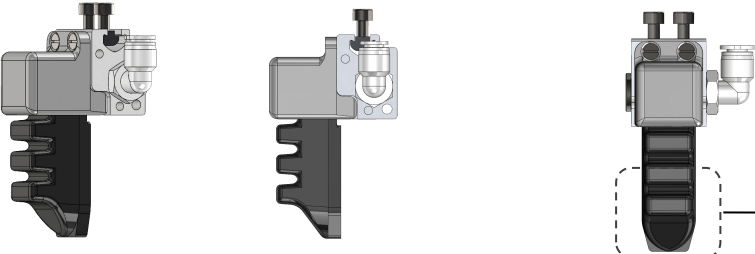
Sensor Installation







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

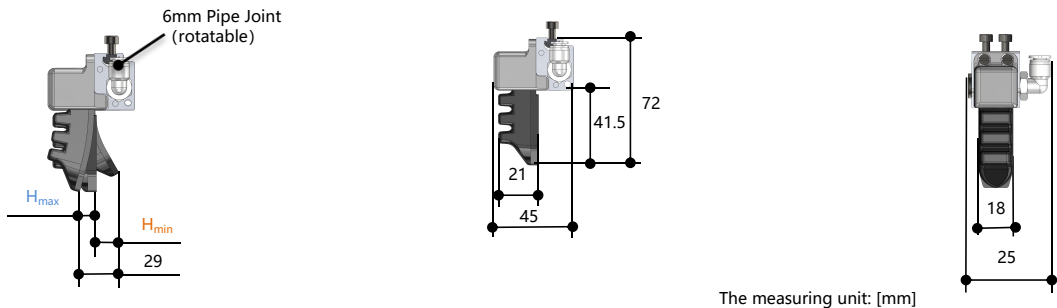
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B4V4/LS1[P] | | FM-B4V4/LS1[PAS] | | FM-B4V4/LS1[H] | | FM-B4V4/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠️ 120 |  200 | 65 | 16 | 10 | ⚠️ 260 |  240 | 65 |



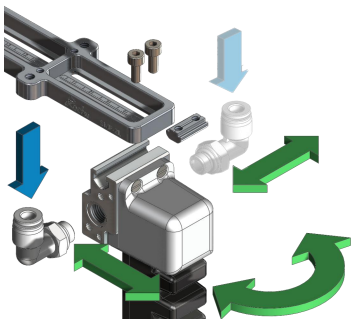
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



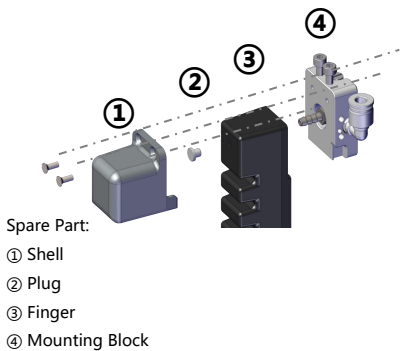
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

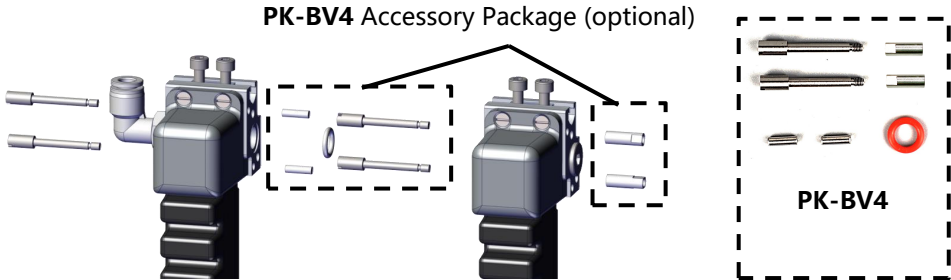


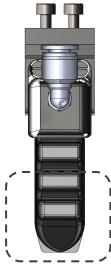
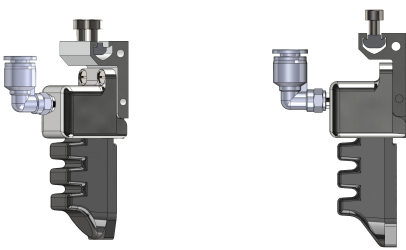
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit (PK) containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



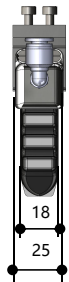
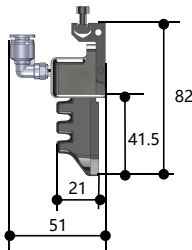
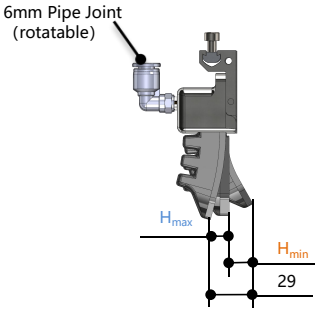


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B4V5/LS1[P] | | | FM-B4V5/LS1[PAS] | | | FM-B4V5/LS1[H] | | | FM-B4V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 16 | 13 |  120 |  200 | 48 | 16 | 10 |  260 |  240 | 48 | | |

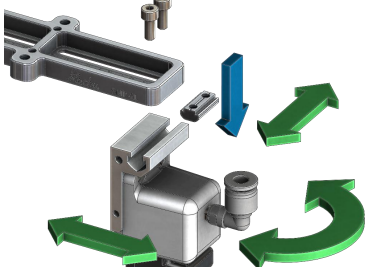
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

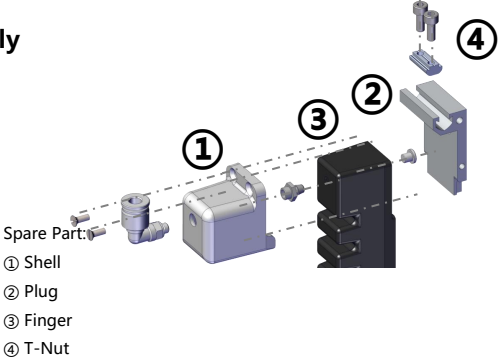


The measuring unit: [mm]

Air Intake & Pose Adjustment

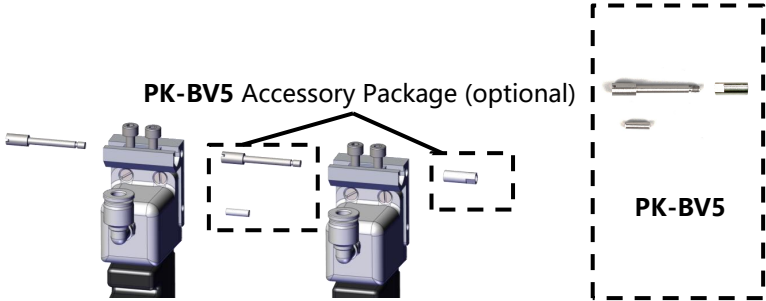


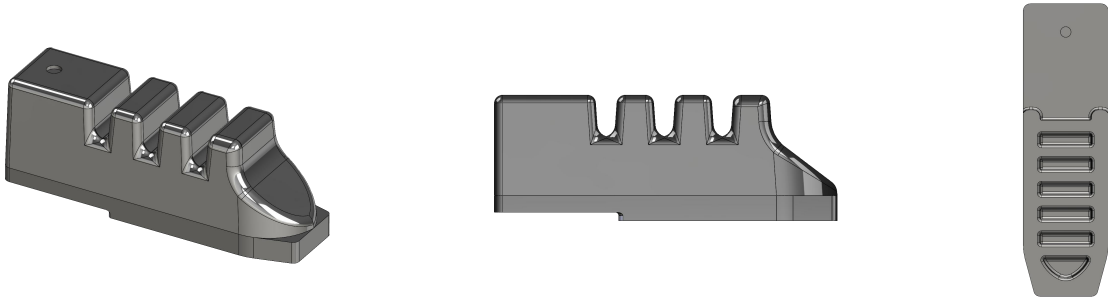
Assembly





Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



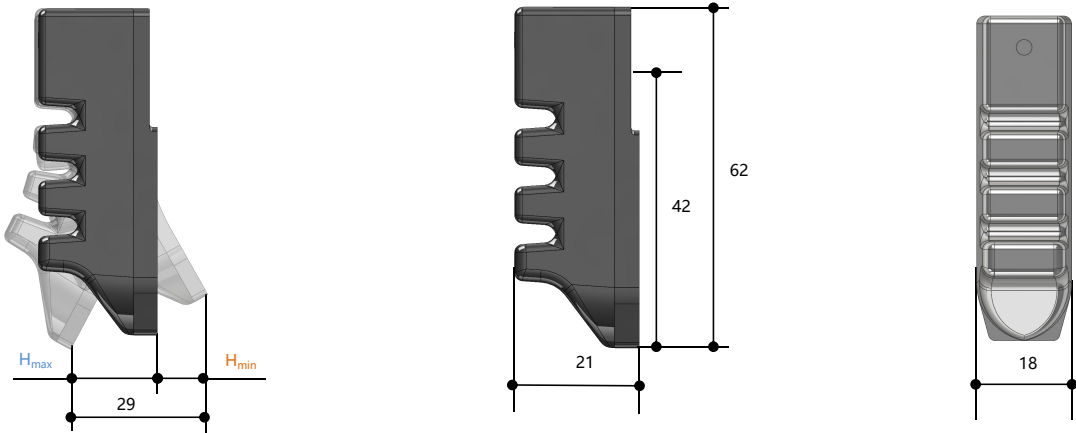


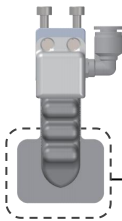
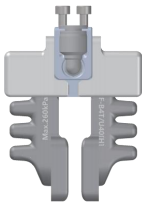
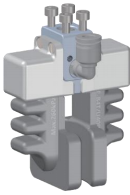
| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|------------|
| LS1 | Standard form | | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-B4T/LS1[P] | | | F-B4T/LS1[PAS] | | F-B4T/LS1[H] | | | F-B4T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠ 120 |  200 | 16 | 16 | 10 | ⚠ 260 |  240 | 16 |


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Dimension Parameters




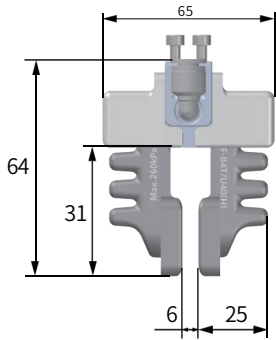
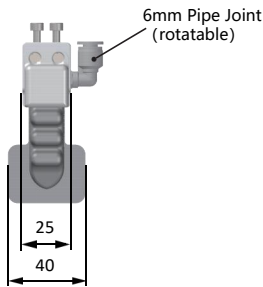


| Finger Pattern | |
|---|---|
| U40 | The width of the finger surface is 40mm |
|  | |

| Normal Material | | Dust-free Normal Material |
|---|------------------------------------|--|
| FM-B4V1/U40[H] | | FM-B4V1/U40[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 340 |  77 |

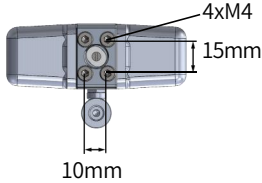
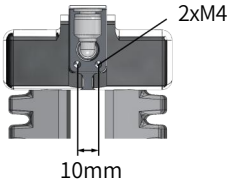
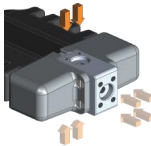
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



The measuring unit: [mm]

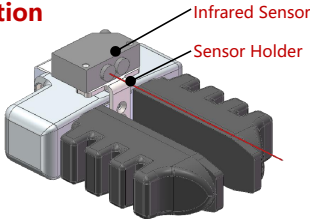
Fixation



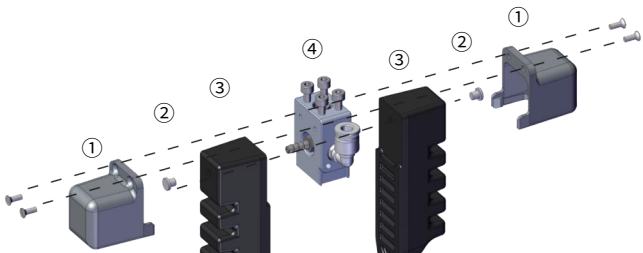
Air Intake



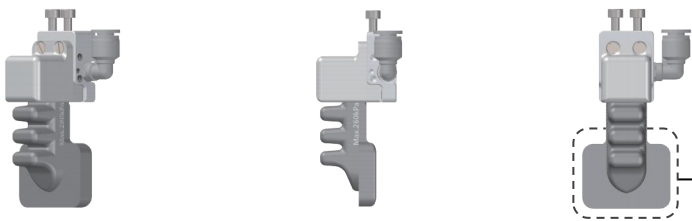
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

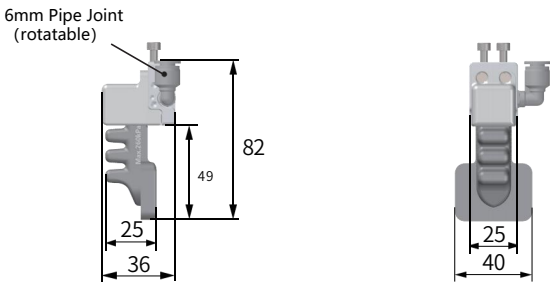


| Finger Pattern | |
|----------------|---|
| U40 | The width of the finger surface is 40mm |
| | |

| Normal Material | | Dust-free Normal Material |
|---------------------|---------------------------------|---------------------------|
| FM-B4V2/U40[H] | | FM-B4V2/U40[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 120 | 170 | 52 |

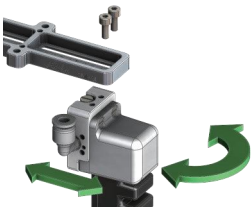
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

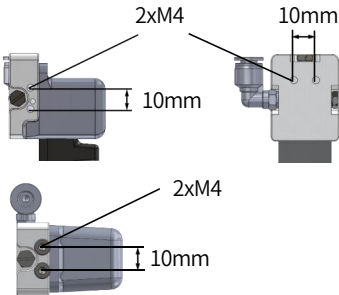
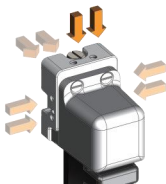


The measuring unit: [mm]

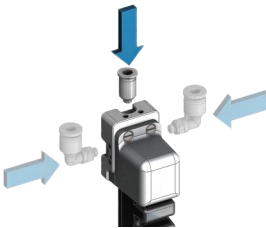
Pose Adjustment



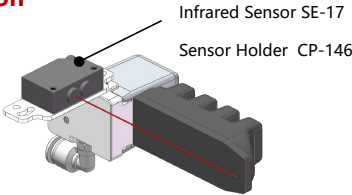
Fixation



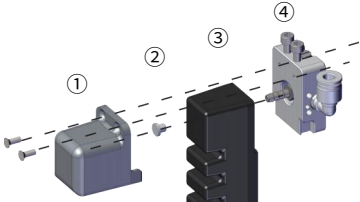
Air Intake



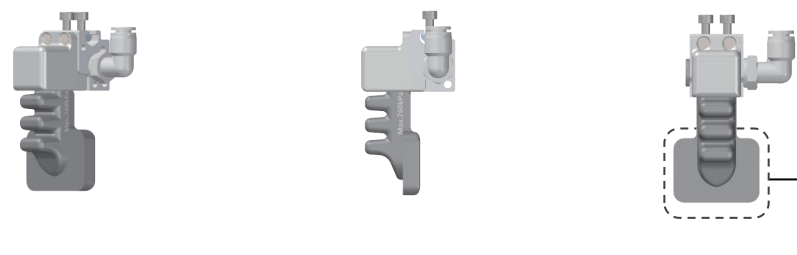
Sensor Installation




Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

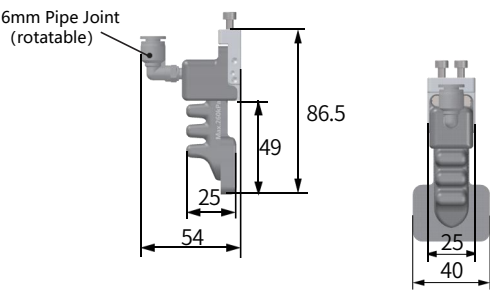


| Finger Pattern | |
|---|---|
| U40 | The width of the finger surface is 40mm |
|  | |

| Normal Material | | Dust-free Normal Material | |
|---|------------------------------------|---------------------------|--|
| FM-B4V3/U40[H] | | FM-B4V3/U40[HAS] | |
| Finger color: Black | | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | | Weight [g] |
|  120 | 170 | |  43 |

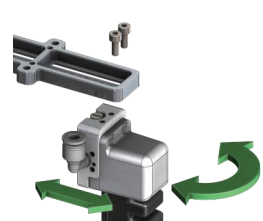
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

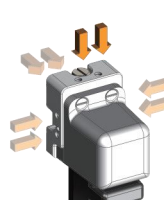


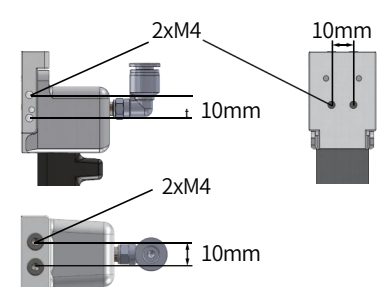
The measuring unit: [mm]

Pose Adjustment




Fixation

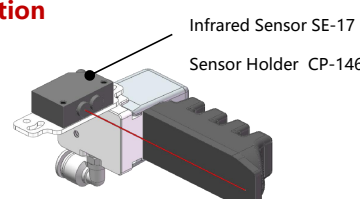




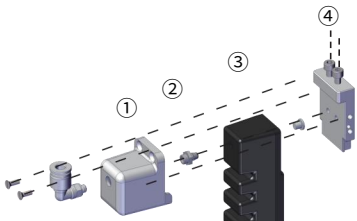
Air Intake



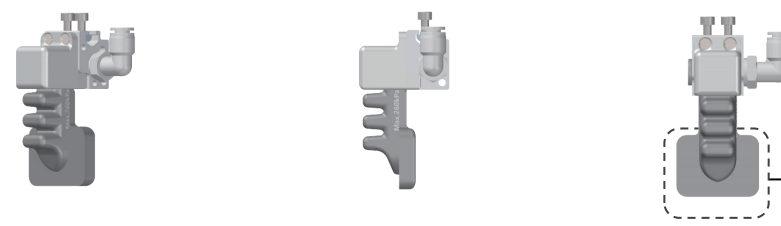
Sensor Installation






Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| U40 | The width of the finger surface is 40mm |
|  | |

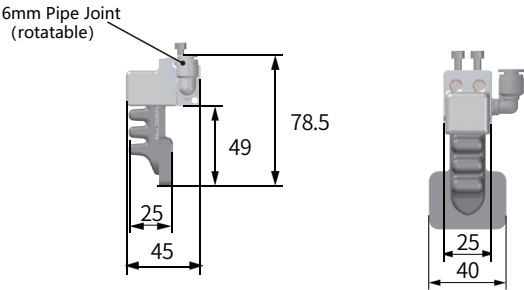
| Normal Material | | Dust-free Normal Material |
|---|---------------------------------|--|
| FM-B4V4/U40[H] | | FM-B4V4/U40[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 170 |  61 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

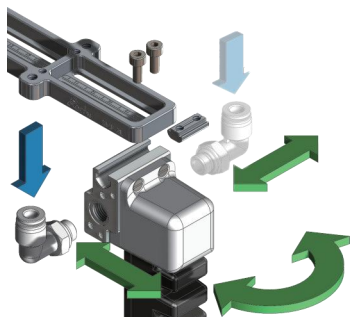


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

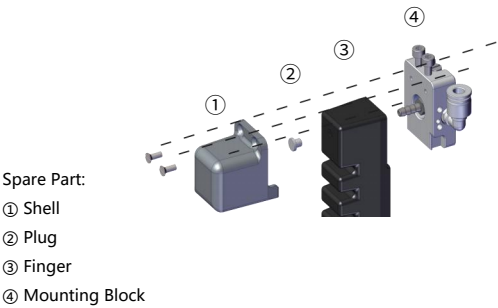


The measuring unit: [mm]

Air Intake & Pose Adjustment

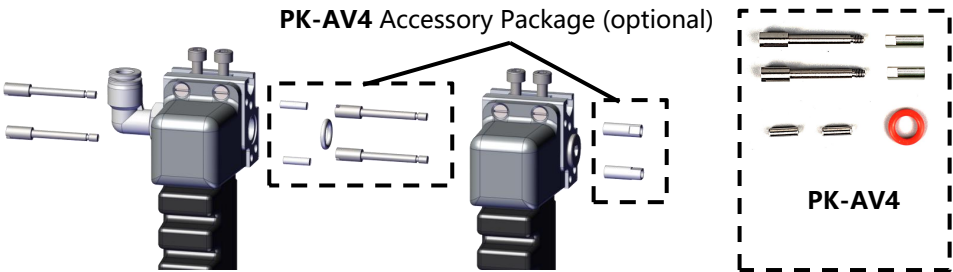


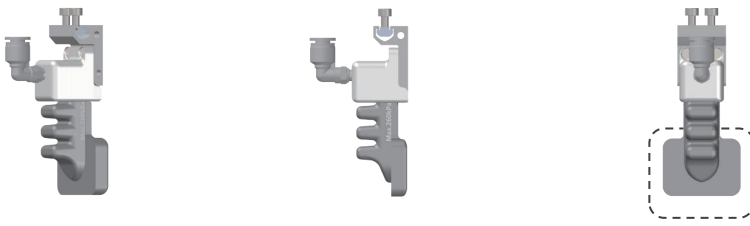
Assembly






Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. The finger module has the function of confluence, realizing the seamless splicing between fingers. It can drive multiple fingers to move at the same time with only one air pipe (sharing the air inlet) to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




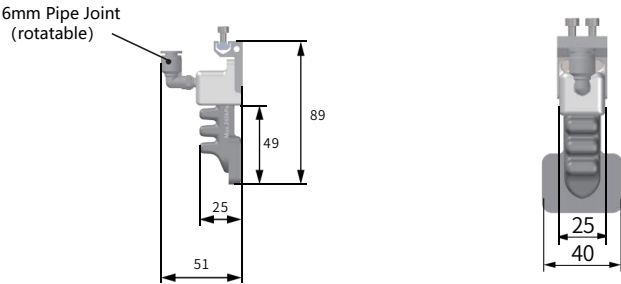


| Finger Pattern | | |
|---|---|--|
| U40 | The width of the finger surface is 40mm | |
|  | | |

| Normal Material | | Dust-free Normal Material |
|---|---------------------------------|--|
| FM-B4V5/U40[H] | | FM-B4V5/U40[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 170 |  44 |

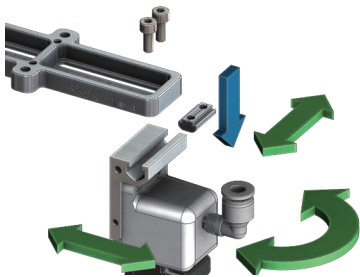
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



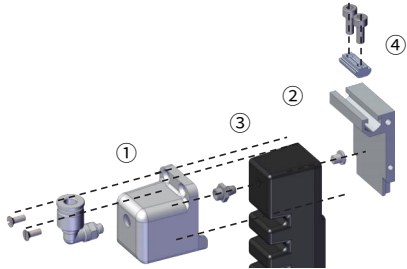
The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

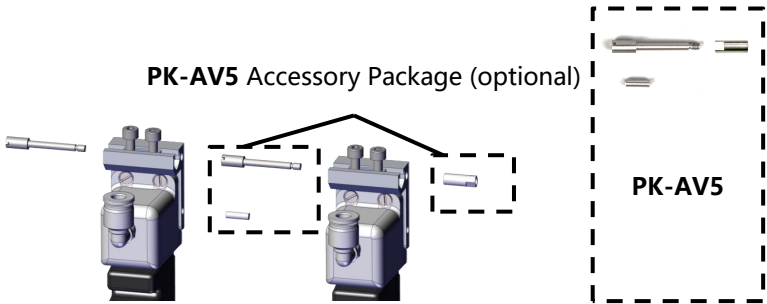
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ T-Nut

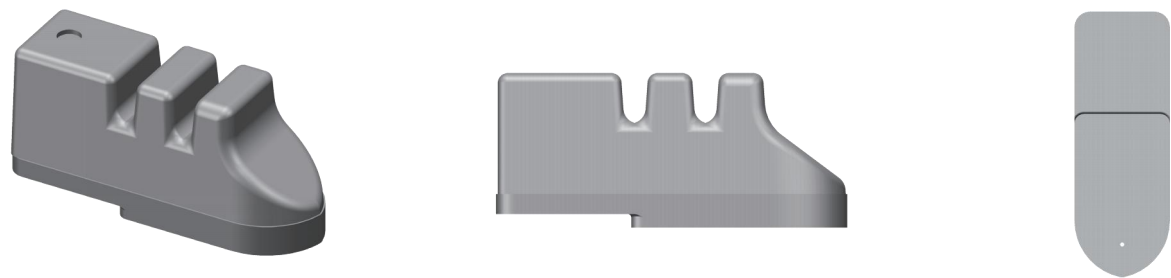




Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
- 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.


*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



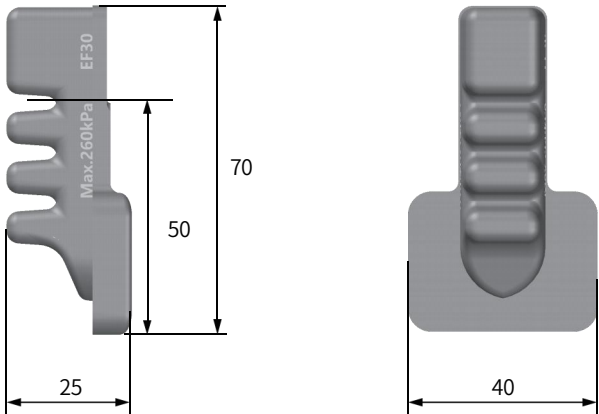


| Finger Pattern | | Features |
|---|---------------------------------|--|
| U40 | Special Form | The width of the finger surface is 40mm |
| Normal Material | | Dust-free Normal Material |
| F-B4T/U40 [H] | | F-B4T/U40[HAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 170 |  11 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

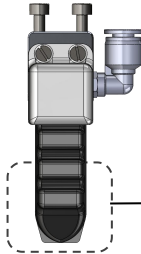
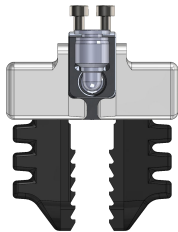
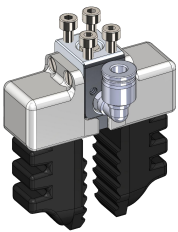
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters







The measuring unit: [mm]

Finger Module



| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B4V1/LS8[P] | | FM-B4V1/LS8[PAS] | | | FM-B4V1/LS8[H] | | FM-B4V1/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 44 |  120 |  400 | 85 | 0 | 38 |  260 |  480 | 85 |

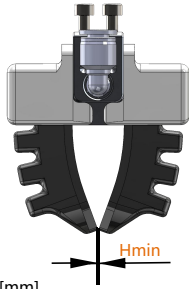
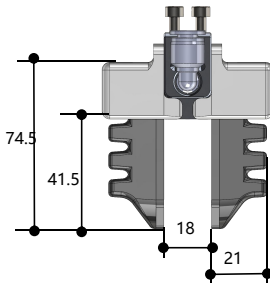
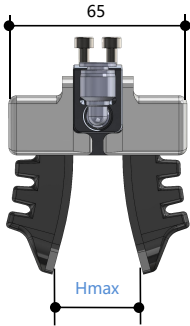
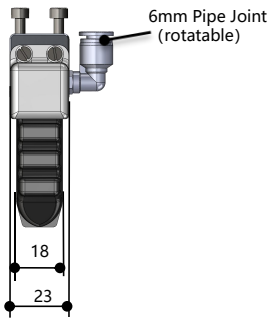


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



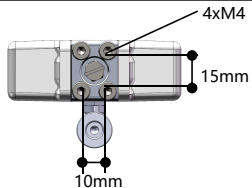
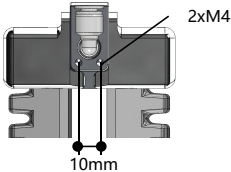
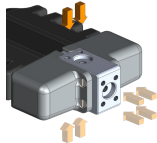
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

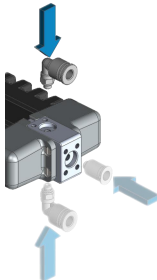


The measuring unit: [mm]

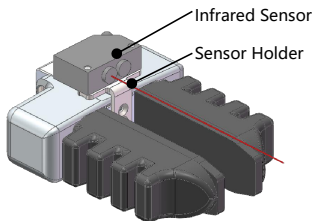
Fixation



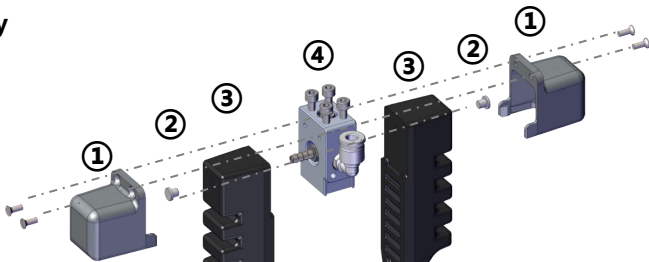
Air Intake



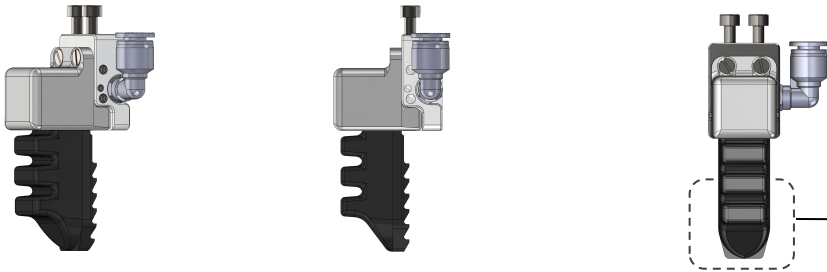
Sensor Installation





Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

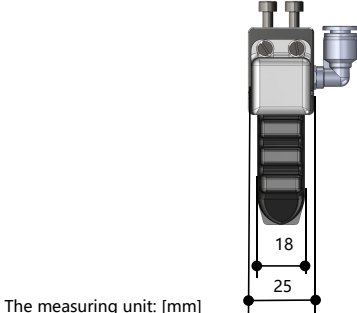
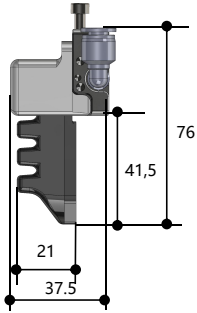
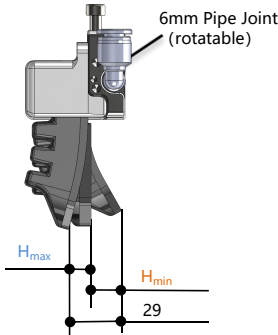


| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---|------------|---|---|---------------------------|---|------------|
| FM-B4V2/LS8[P] | | FM-B4V2/LS8[PAS] | | | FM-B4V2/LS8[H] | | FM-B4V2/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠ 120 |  200 | 56 | 16 | 10 | ⚠ 260 |  240 | 56 |

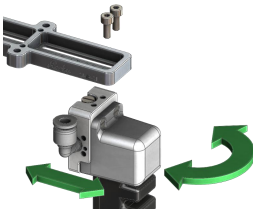
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

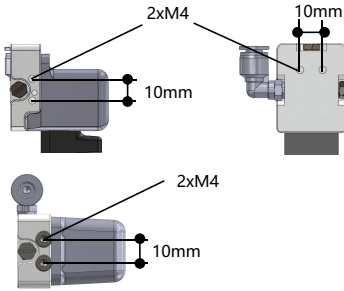
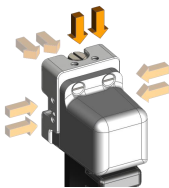


The measuring unit: [mm]

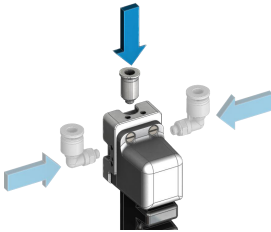
Pose Adjustment



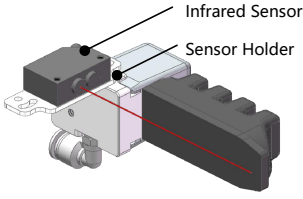
Fixation



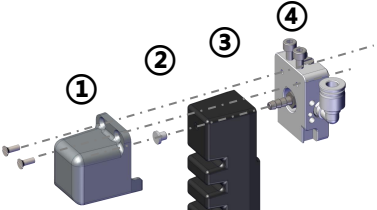
Air Intake



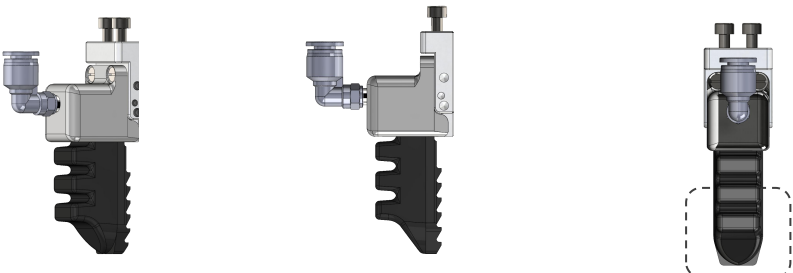
Sensor Installation







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

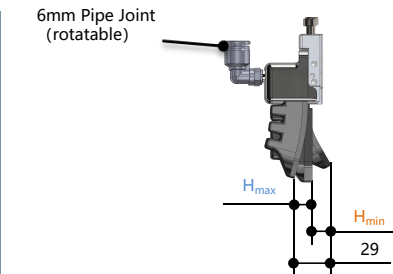
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B4V3/LS8[P] | | FM-B4V3/LS8[PAS] | | FM-B4V3/LS8[H] | | FM-B4V3/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠️ 120 |  200 | 47 | 16 | 10 | ⚠️ 260 |  240 | 47 |

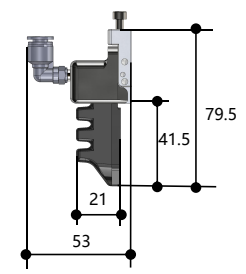


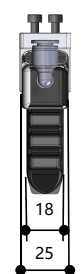
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

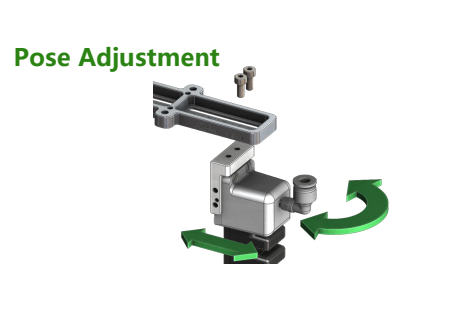




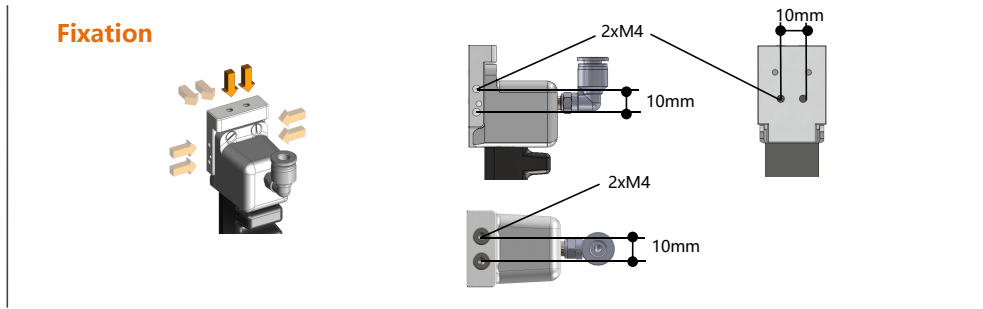


The measuring unit: [mm]

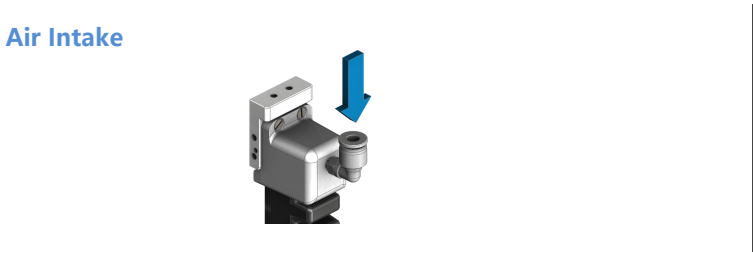
Pose Adjustment



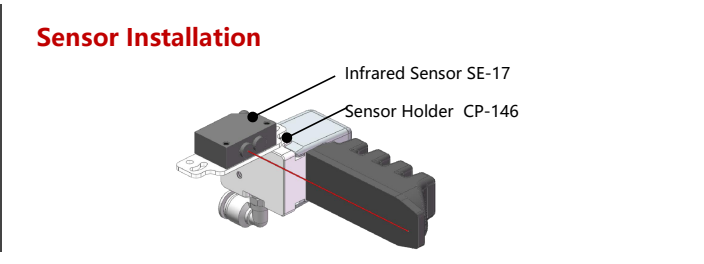
Fixation



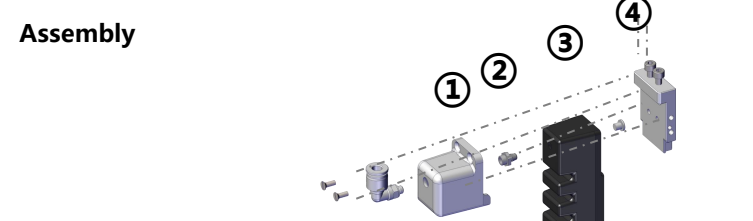
Air Intake



Sensor Installation

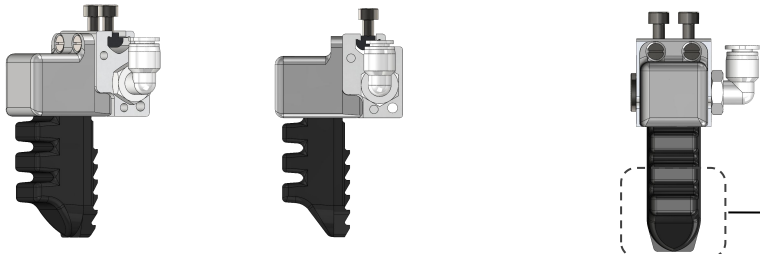




Assembly






Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

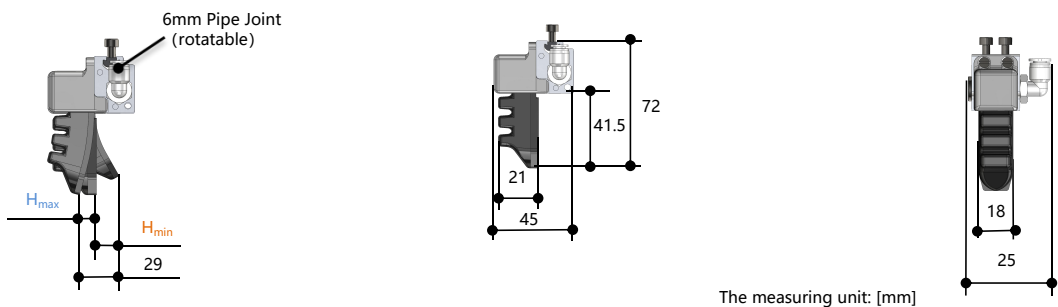
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B4V4/LS8[P] | | FM-B4V4/LS8[PAS] | | FM-B4V4/LS8[H] | | FM-B4V4/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠️ 120 |  200 | 65 | 16 | 10 | ⚠️ 260 |  240 | 65 |



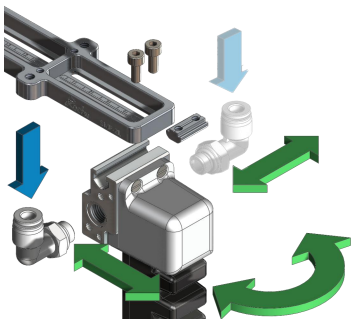
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



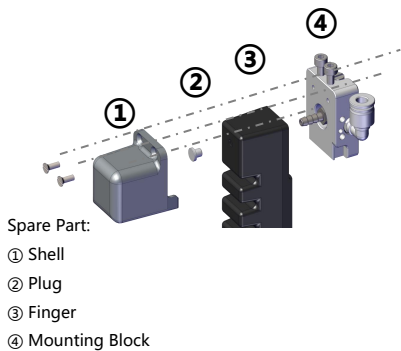
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

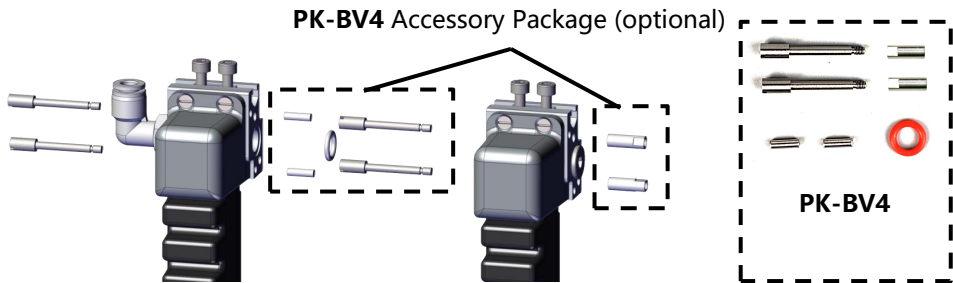


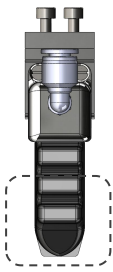
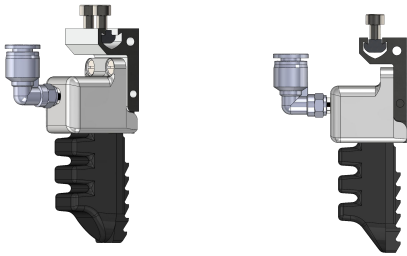
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




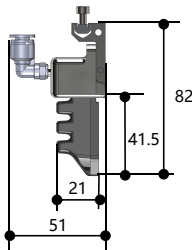
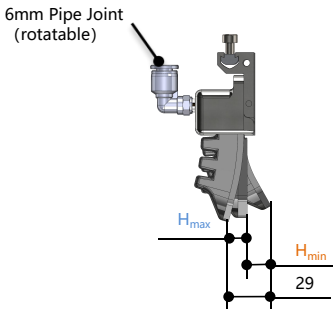


| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B4V5/LS8[P] | | FM-B4V5/LS8[PAS] | | | FM-B4V5/LS8[H] | | FM-B4V5/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 |  120 |  200 | 48 | 16 | 10 |  260 |  240 | 48 |

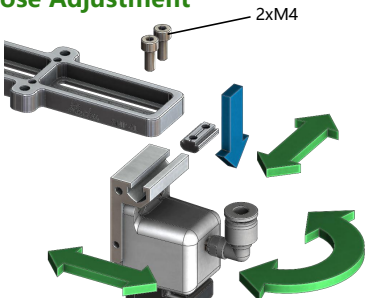
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

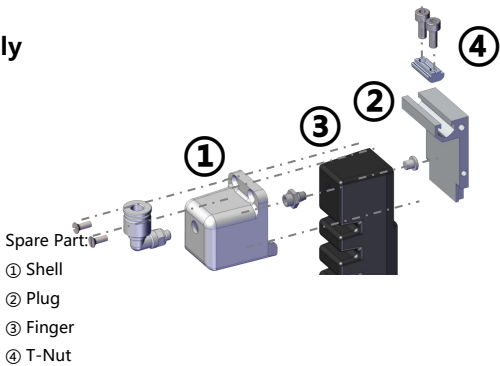


The measuring unit: [mm]

Air Intake & Pose Adjustment

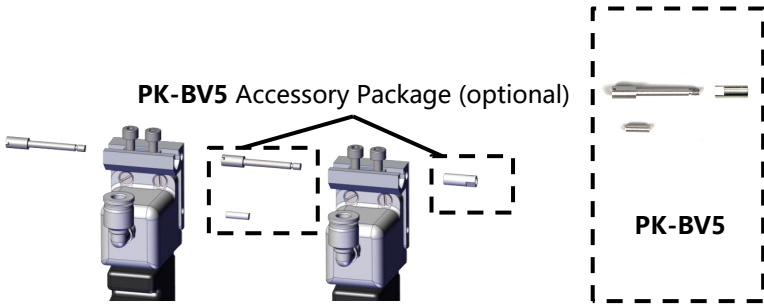


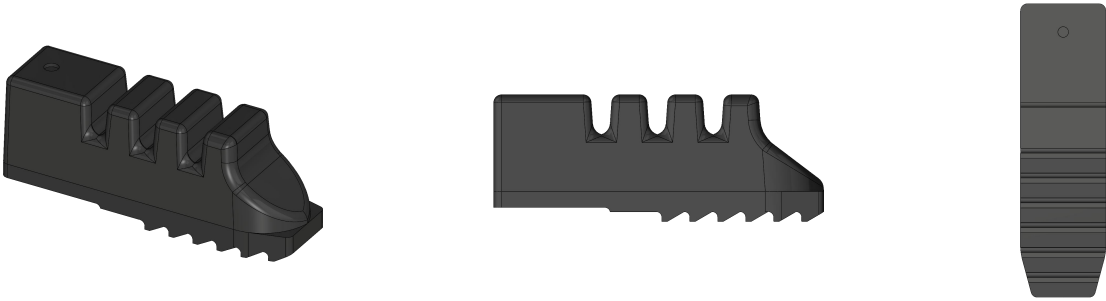
Assembly





Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



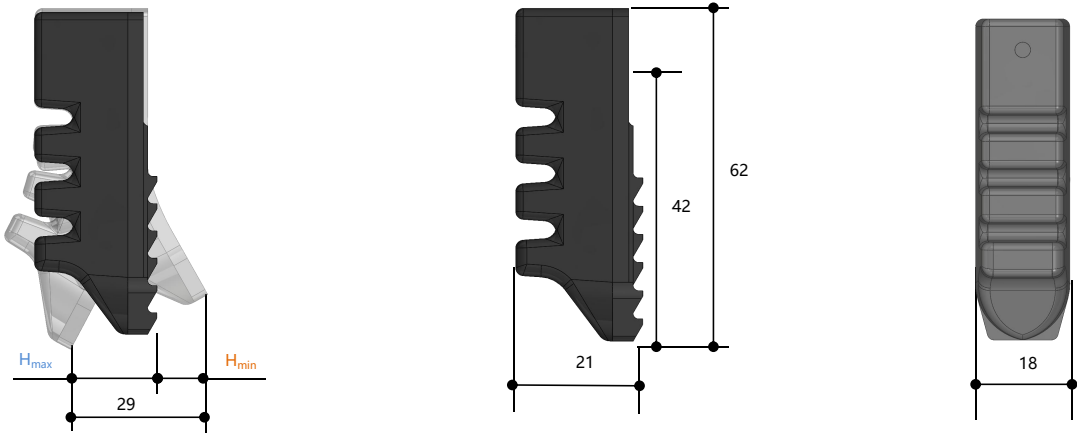


| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|---|------------|--|
| LS8 | Special Form | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-B4T/LS8[P] | | F-B4T/LS8[PAS] | | | F-B4T/LS8[H] | | | F-B4T/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 16 | 13 | ⚠ 120 |  200 | 16 | 16 | 10 | ⚠ 260 |  240 | 16 | |

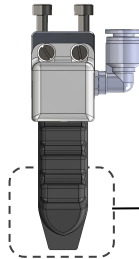
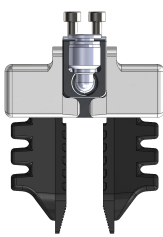
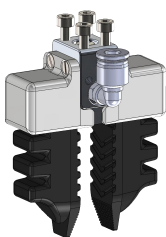
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



Finger Module



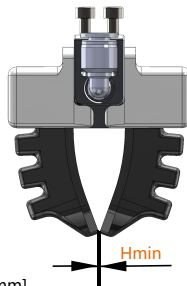
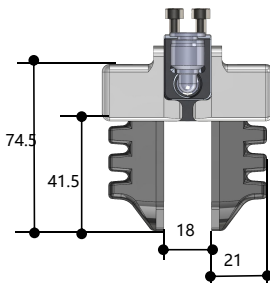
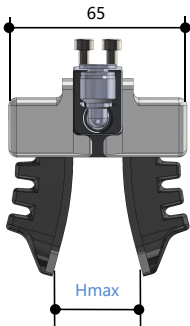
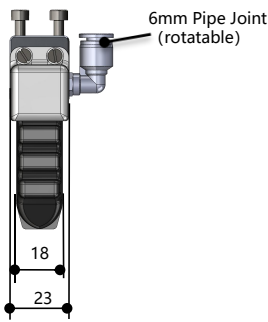
| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B4V1/FS3[P] | | FM-B4V1/FS3[PAS] | | | FM-B4V1/FS3[H] | | FM-B4V1/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 44 |  120 |  400 | 85 | 0 | 38 |  260 |  480 | 85 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

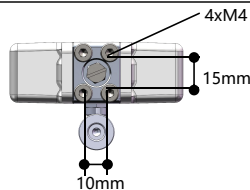
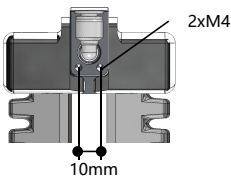
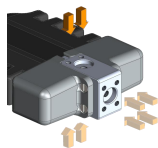
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

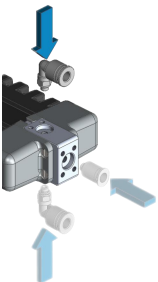


The measuring unit: [mm]

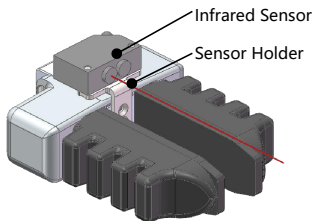
Fixation



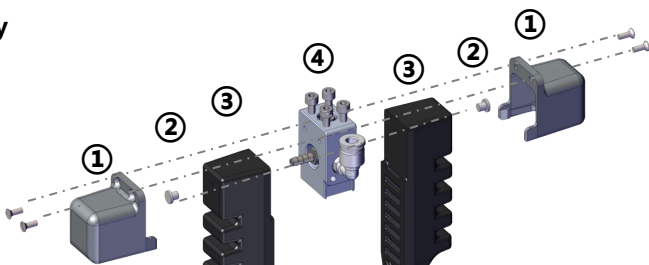
Air Intake



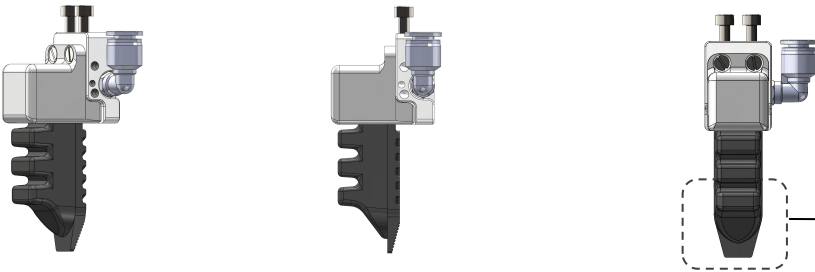
Sensor Installation








Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

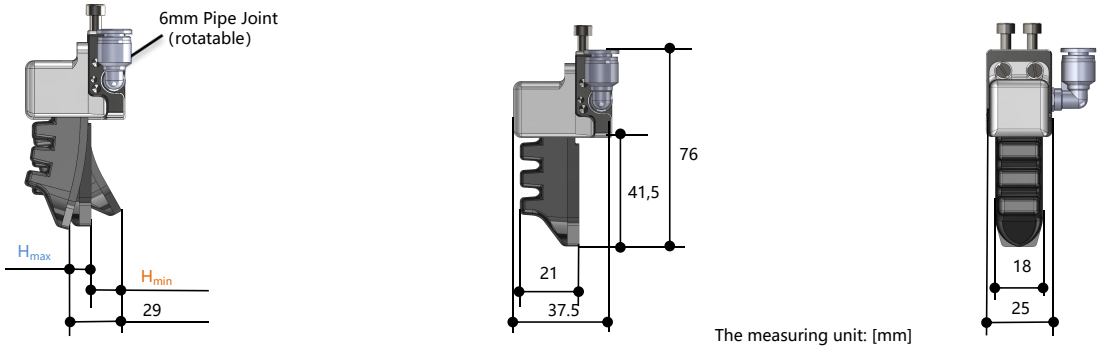
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B4V2/FS3[P] | | FM-B4V2/FS3[PAS] | | | FM-B4V2/FS3[H] | | FM-B4V2/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 |  120 |  200 | 56 | 16 | 10 |  260 |  240 | 56 |



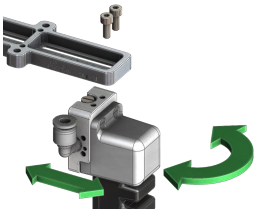
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



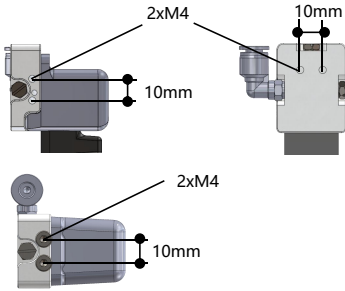
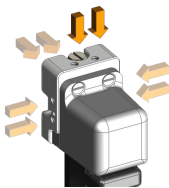
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



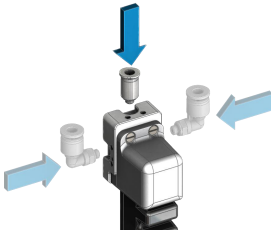
Pose Adjustment



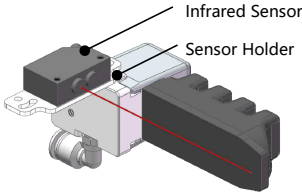
Fixation



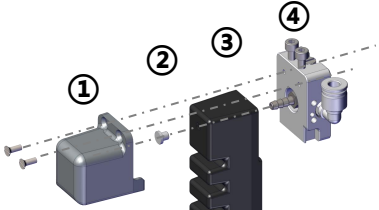
Air Intake



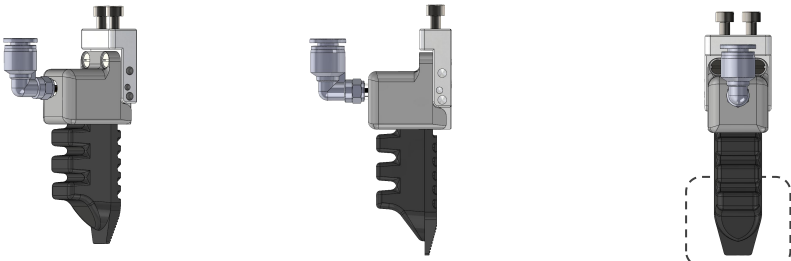
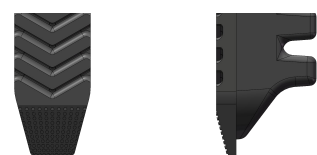


Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

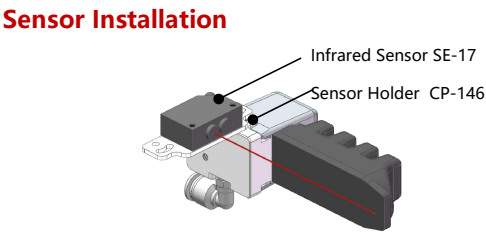
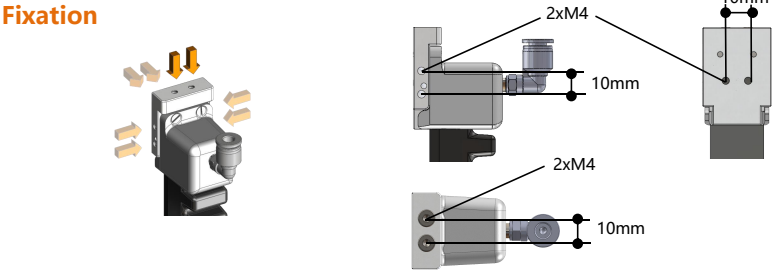
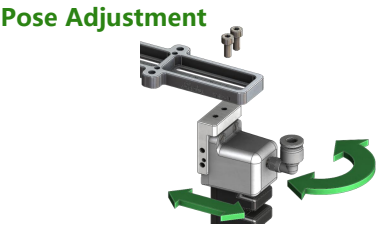
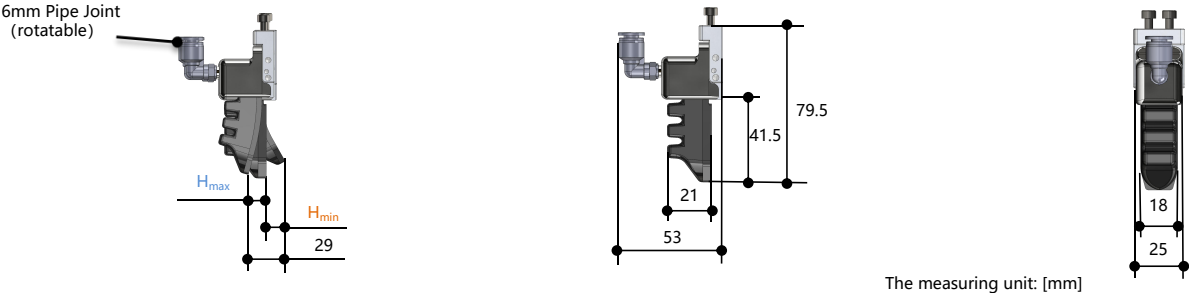
| | | | | | | | | | |
|--|---|---------------------------|---|-----------------|---|---|------------------------|---|---------------|
|  | | | <div>Finger Pattern</div> <div><div>FS3</div><div>Suitable for soft fabric products.</div></div> <div></div> | | | | | | |
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-B4V3/FS3[P] | | FM-B4V3/FS3[PAS] | | FM-B4V3/FS3[H] | | FM-B4V3/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠ 120 |  200 | 47 | 16 | 10 | ⚠ 260 |  240 | 47 |



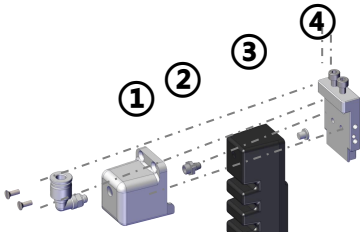
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



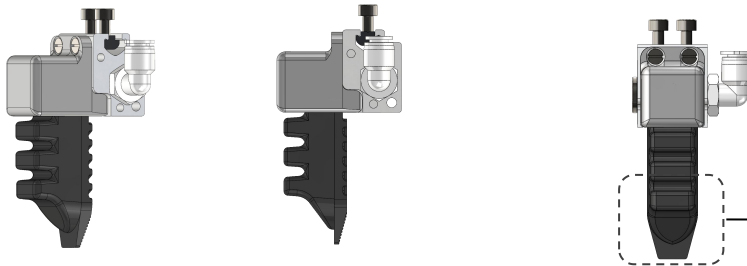
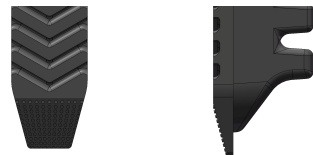


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

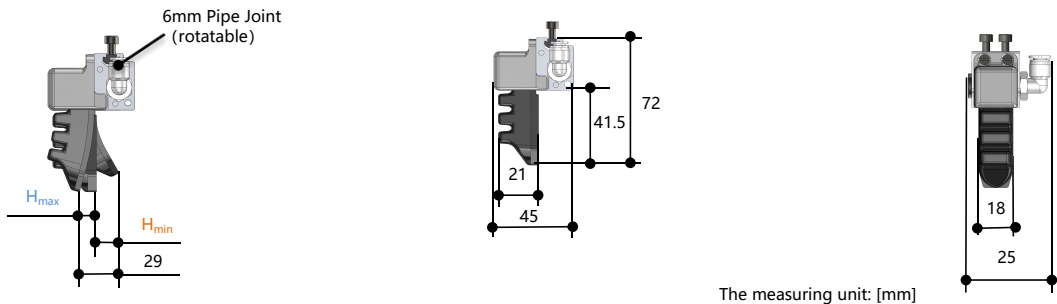
| | | | | | | | | | |
|---|---|--|---|--|---|--|------------------------|---|---------------|
|  | | | | | Finger Pattern | | | | |
| | | | | | FS3 | Suitable for soft fabric products. | | | |
| | | | | |  | | | | |
| Normal Material FM-B4V4/FS3[P] | | Dust-free Normal Material FM-B4V4/FS3[PAS] | | Strong Material FM-B4V4/FS3[H] | | Dust-free Strong Material FM-B4V4/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠ 120 |  200 | 65 | 16 | 10 | ⚠ 260 |  240 | 65 |



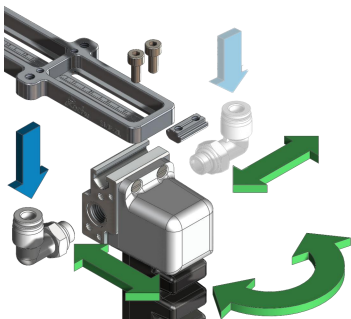
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



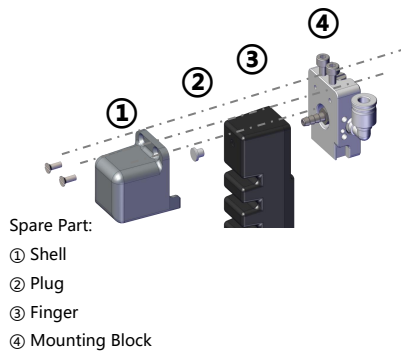
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

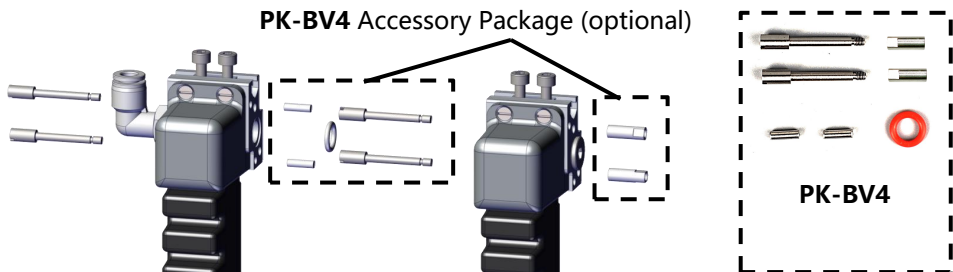


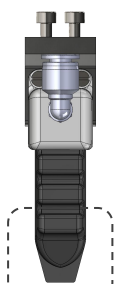
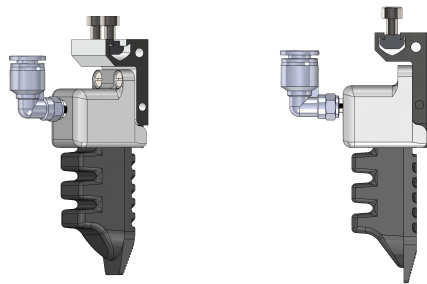
Assembly







Series combination:

- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



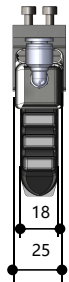
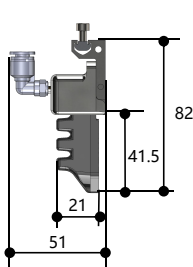
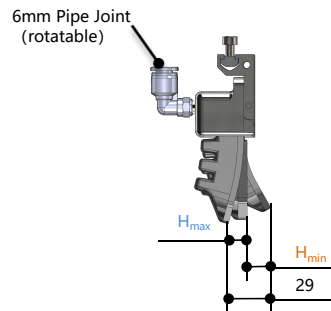


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B4V5/FS3[P] | | | FM-B4V5/FS3[PAS] | | | FM-B4V5/FS3[H] | | | FM-B4V5/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 16 | 13 |  120 |  200 | 48 | 16 | 10 |  260 |  240 | 48 | | |

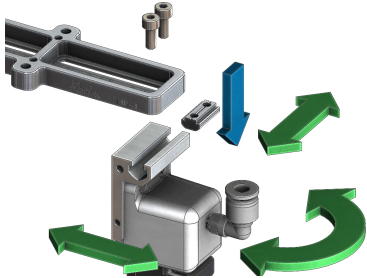
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

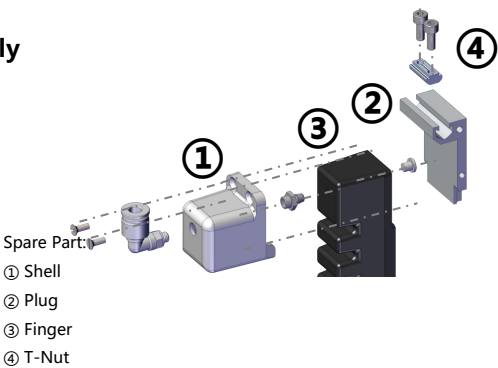


The measuring unit: [mm]

Air Intake & Pose Adjustment

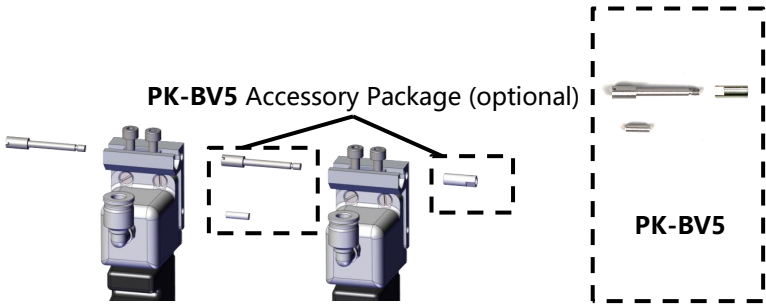


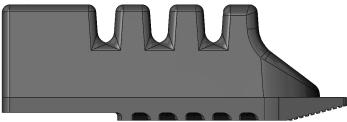
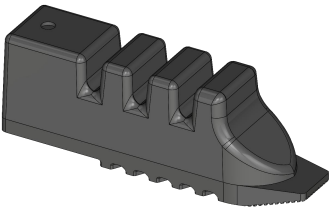
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | Features | | | | | | | |
|---|---|------------------------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|------------|
| FS3 | Special Form | Suitable for soft fabric products. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-B4T/FS3[P] | | F-B4T/FS3[PAS] | | | F-B4T/FS3[H] | | | F-B4T/FS3[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠️ 120 | 📦 200 | 16 | 16 | 10 | ⚠️ 260 | 📦 240 | 16 |

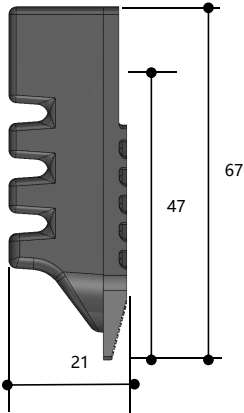
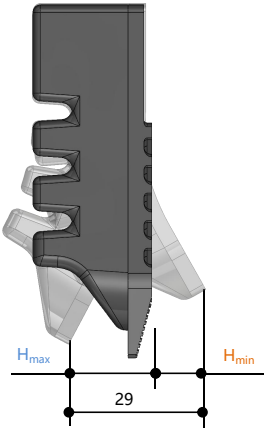


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

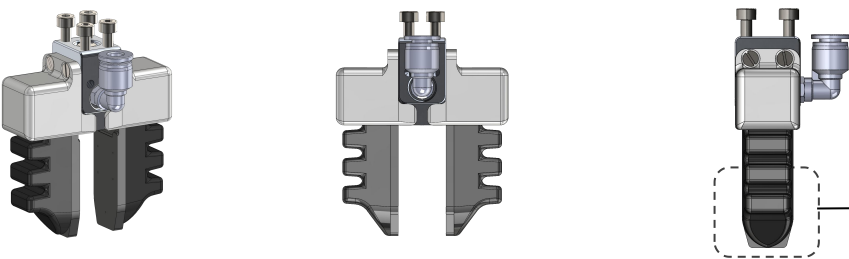


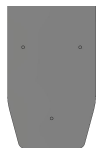

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters




Finger Module




| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B4V1/LF1[P] | | FM-B4V1/LF1[PAS] | | FM-B4V1/LF1[H] | | FM-B4V1/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 44 | ⚠️ 120 |  400 | 85 | 0 | 38 | ⚠️ 260 |  480 | 85 |

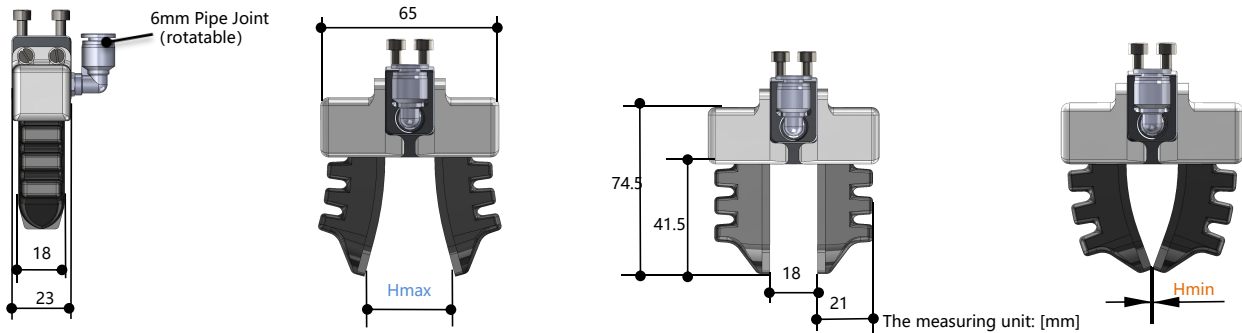


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

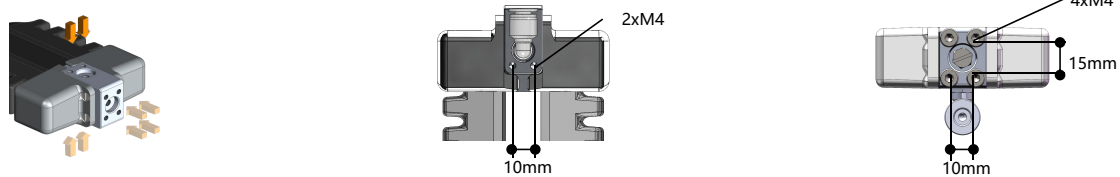


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

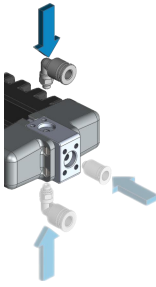
Finger Module



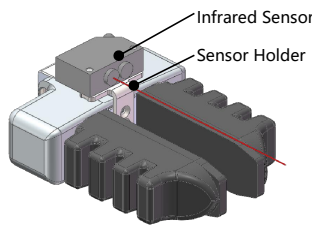
Fixation



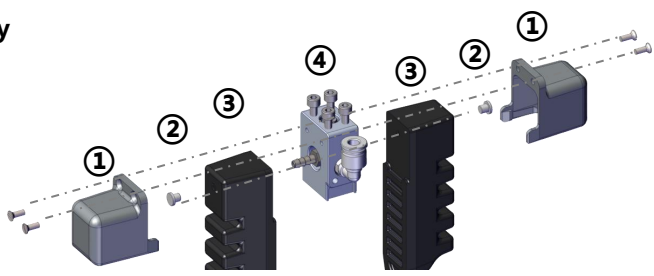
Air Intake



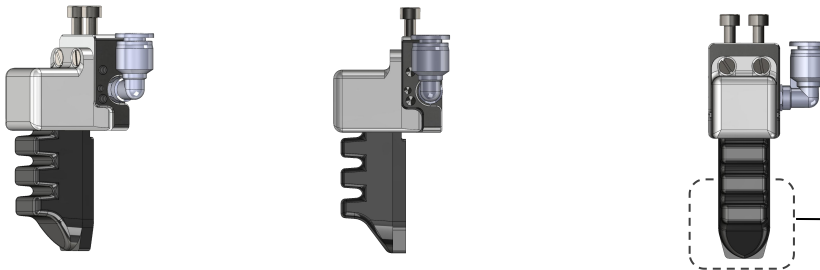
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

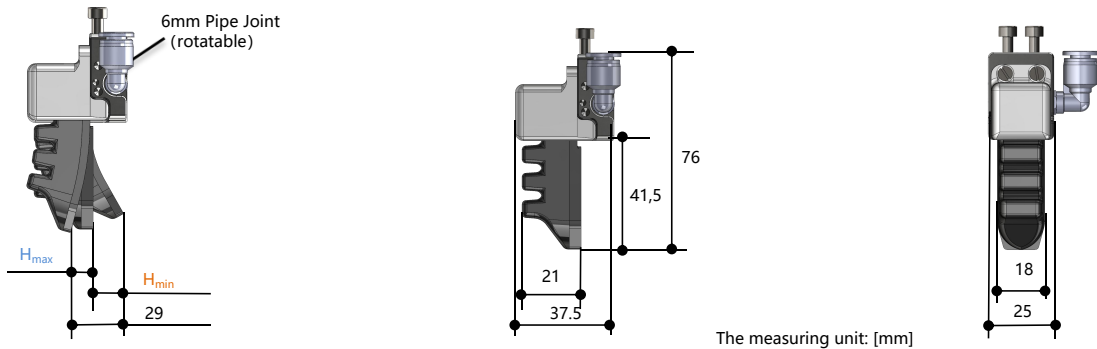
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B4V2/LF1[P] | | FM-B4V2/LF1[PAS] | | FM-B4V2/LF1[H] | | FM-B4V2/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠ 120 |  200 | 56 | 16 | 10 | ⚠ 260 |  240 | 56 |



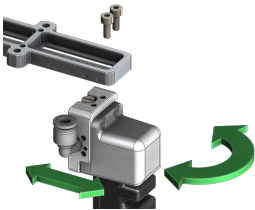
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



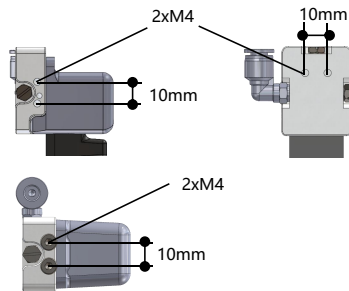
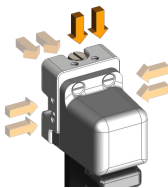
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



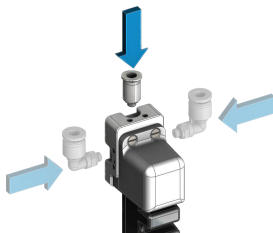
Pose Adjustment



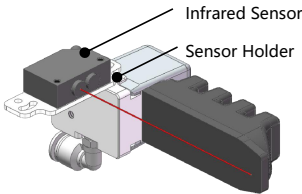
Fixation



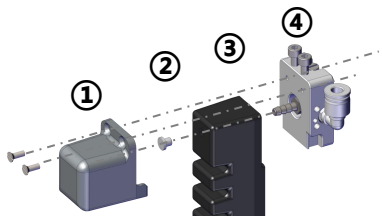
Air Intake



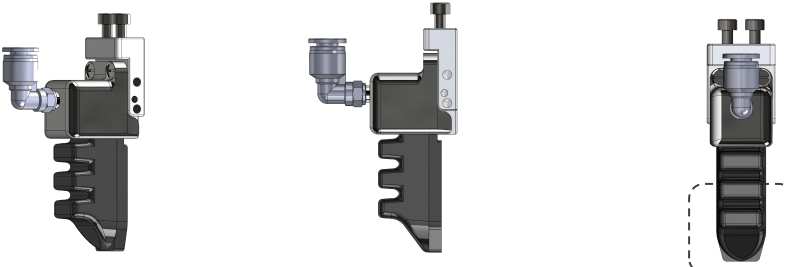
Sensor Installation

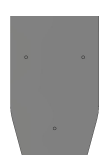





Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| | | | | | | | | | |
|---|---|--|---|--|---|--|---------------------|---|------------|
| Normal Material FM-B4V3/LF1[P] | | Dust-free Normal Material FM-B4V3/LF1[PAS] | | Strong Material FM-B4V3/LF1[H] | | Dust-free Strong Material FM-B4V3/LF1[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠ 120 |  200 | 47 | 16 | 10 | ⚠ 260 |  240 | 47 |

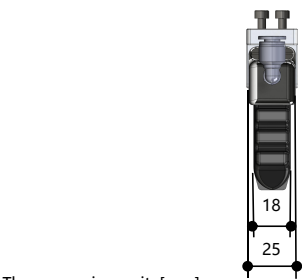
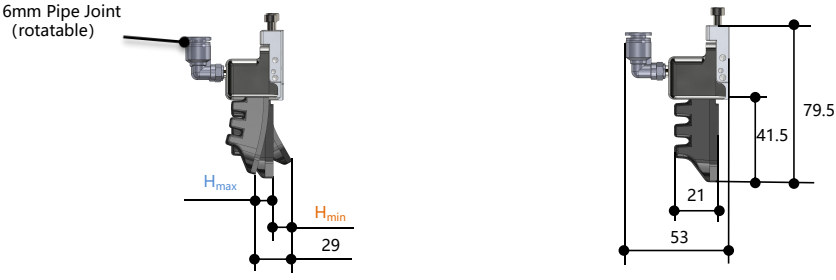


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



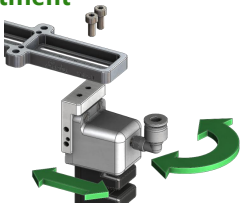
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

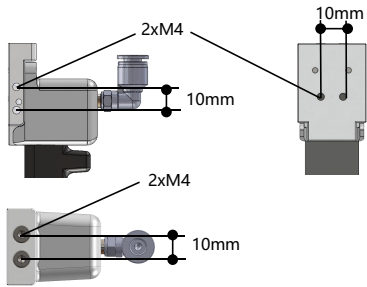
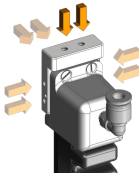


The measuring unit: [mm]

Pose Adjustment



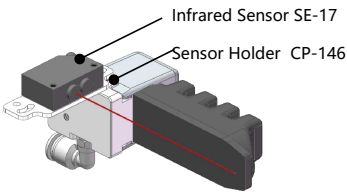
Fixation



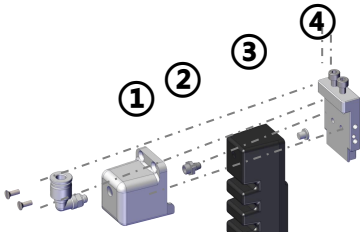
Air Intake



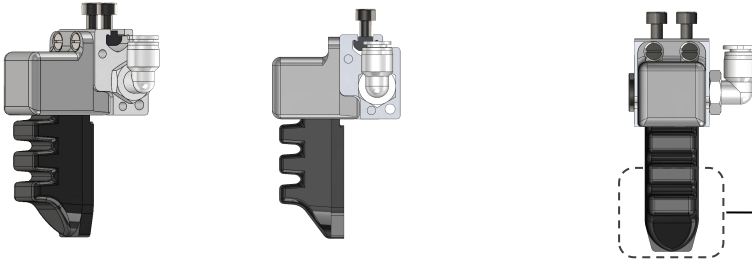



Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

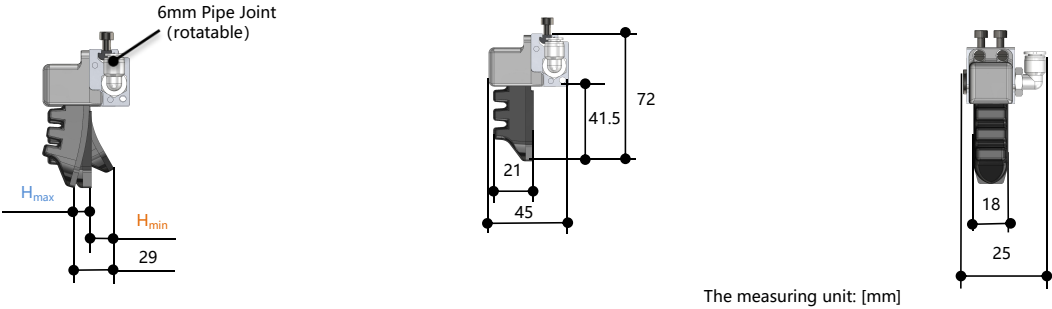
| | | | | | | | | | |
|---|---|---------------------------|---|---|---|---|------------------------|---|---------------|
|  | | | Finger Pattern | | | | | | |
| | | | LF1 | Suitable for smooth dry workpieces and soft food. | | | | | |
| | | |  | | | | | | |
| Normal Material | | Dust-free Normal Material | | Strong Material | Dust-free Strong Material | | | | |
| FM-B4V4/LF1[P] | | FM-B4V4/LF1[PAS] | | FM-B4V4/LF1[H] | FM-B4V4/LF1[HAS] | | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠ 120 |  200 | 65 | 16 | 10 | ⚠ 260 |  240 | 65 |



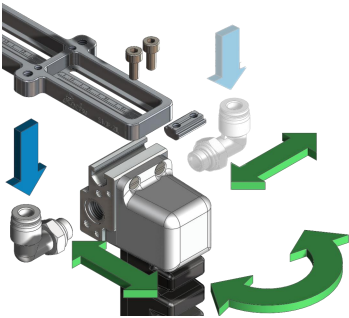
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



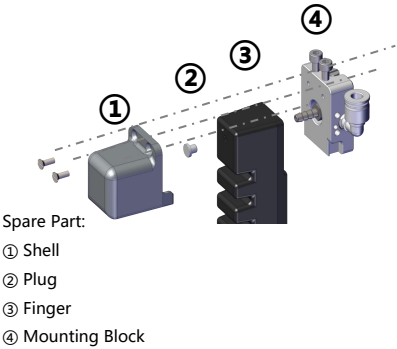
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

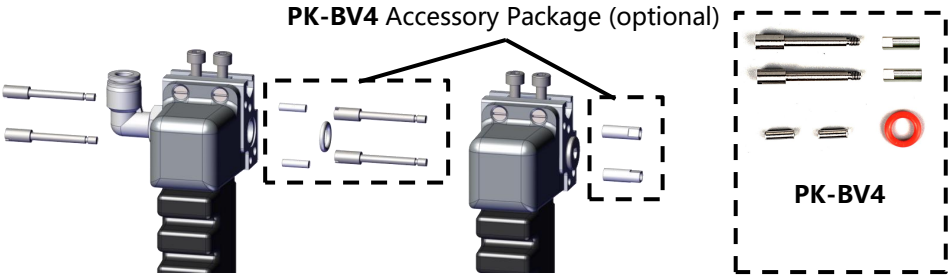


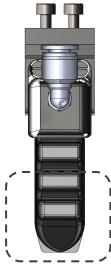
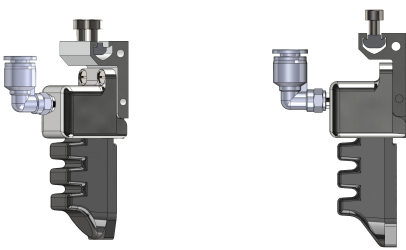
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



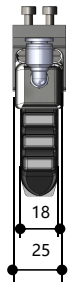
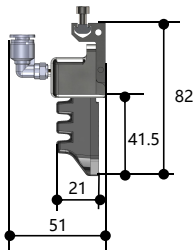
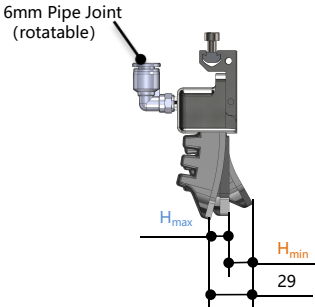


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B4V5/LF1[P] | | | FM-B4V5/LF1[PAS] | | | FM-B4V5/LF1[H] | | | FM-B4V5/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 16 | 13 |  120 |  200 | 48 | 16 | 10 |  260 |  240 | 48 | | |

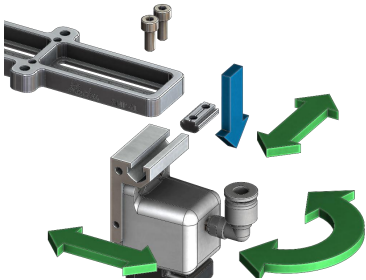
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

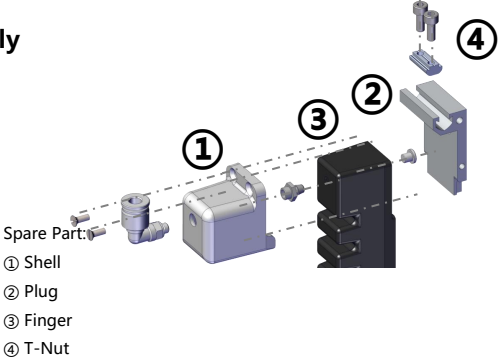


The measuring unit: [mm]

Air Intake & Pose Adjustment



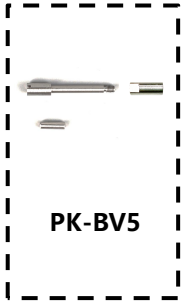
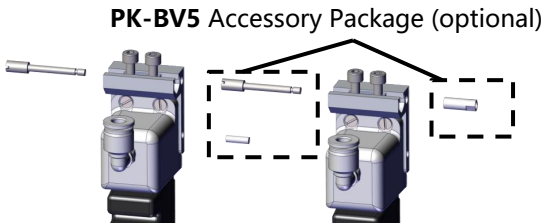
Assembly

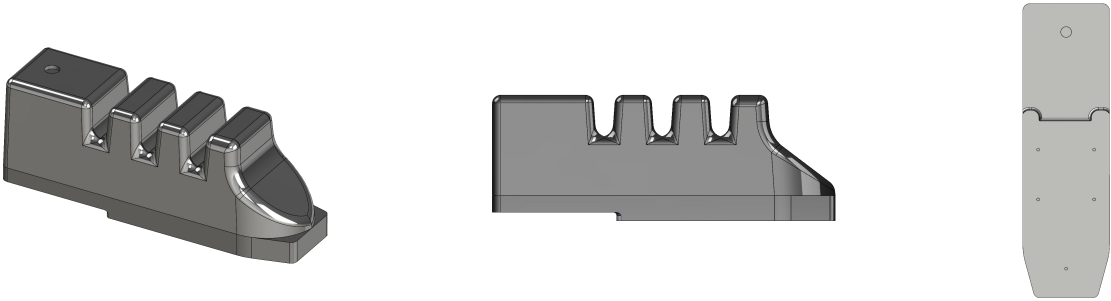


- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ T-Nut

Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



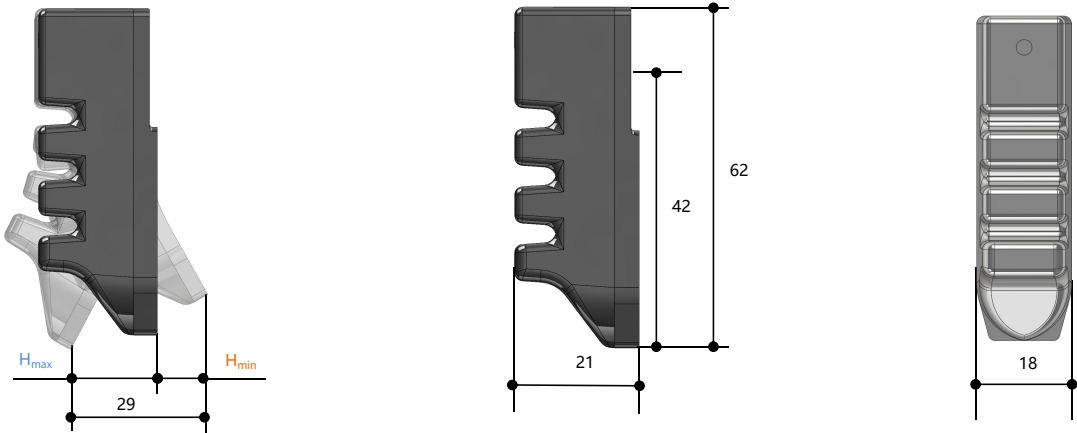


| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---|---------------------------------|------------|
| LF1 | Special Form | | Suitable for smooth dry workpieces and soft food. | | | | | | |
| Normal Material F-B4T/LF1[P] | | | Dust-free Normal Material F-B4T/LF1[PAS] | | Strong Material F-B4T/LF1[H] | | Dust-free Strong Material F-B4T/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠️ 120 | 📦 200 | 16 | 16 | 10 | ⚠️ 260 | 📦 240 | 16 |

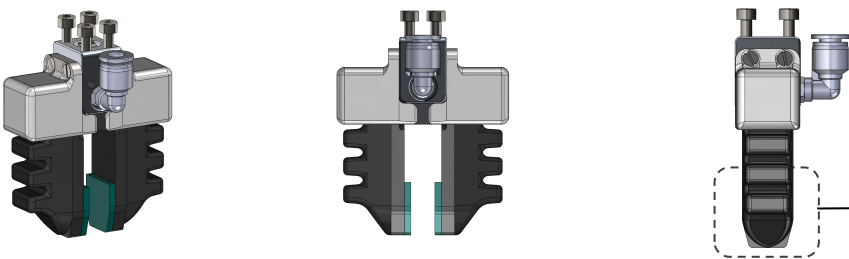
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

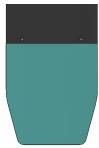
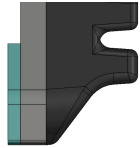
📦 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters




Finger Module




| Finger Pattern | |
|---|---|
| NS | Suitable for oily, watery, and other slippery workpiece surfaces. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | |
|---|---|---------------------------|---------------------------------|-----------------|---|---|---------------------------------|
| FM-B4V1/NS[P] | | FM-B4V1/NS[PAS] | | FM-B4V1/NS[H] | | FM-B4V1/NS[HAS] | |
| Finger color: Black | | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Finger color: Grey | | |
| 0 | 44 | ⚠️ 120 | 📏 400 | 85 | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] |
| | | | | | 0 | 38 | ⚠️ 260 |
| | | | | | | | Recommended Load per Finger [g] |
| | | | | | | | 📏 480 |
| | | | | | | | Weight [g] |
| | | | | | | | 85 |

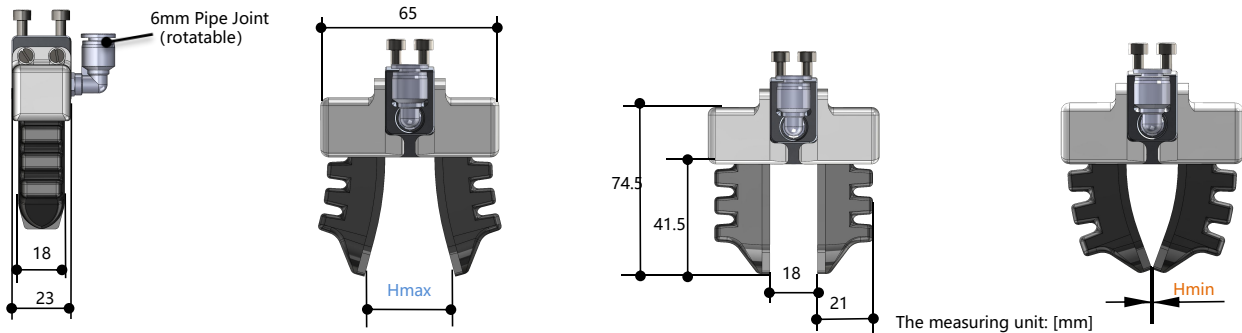


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

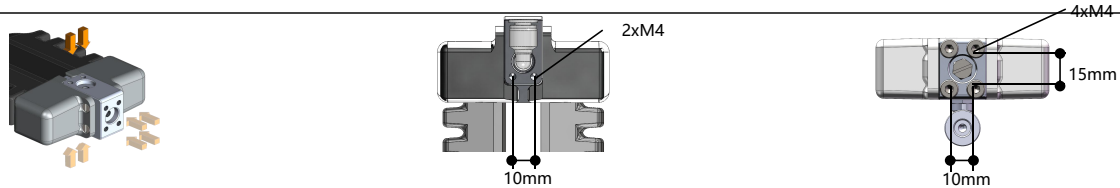


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

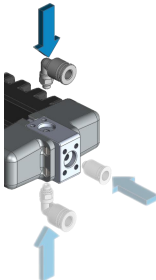
Finger Module



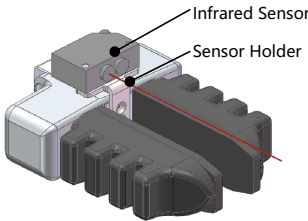
Fixation



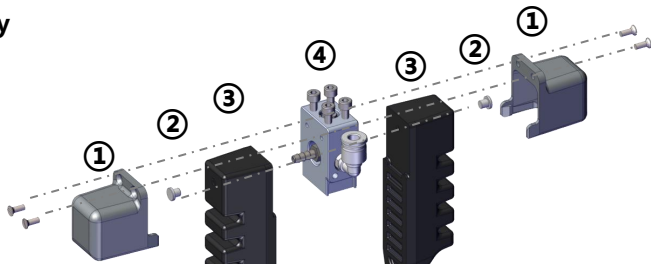
Air Intake



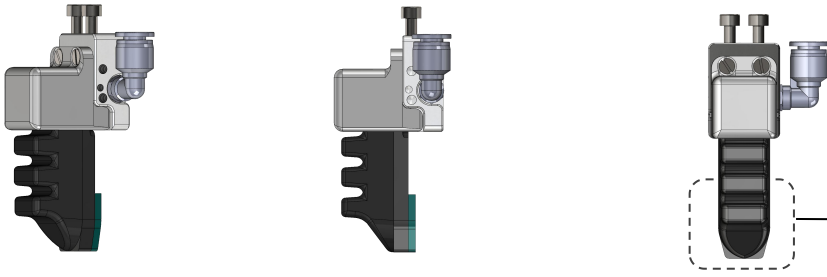
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

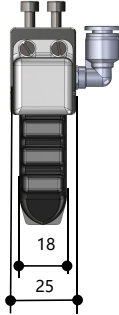
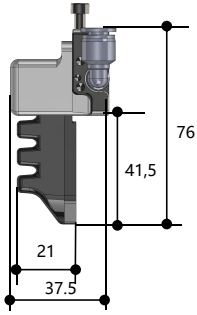
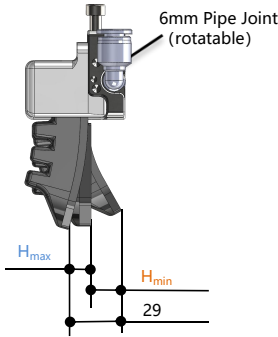


| Finger Pattern | |
|----------------|---|
| NS | Suitable for oily, watery, and other slippery workpiece surfaces. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|---------------------------|--|--|
| FM-B4V2/NS[P] | | | FM-B4V2/NS[PAS] | | | FM-B4V2/NS[H] | | | FM-B4V2/NS[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 16 | 13 | ⚠ 120 | 📏 200 | 56 | 16 | 10 | ⚠ 260 | 📏 240 | 56 | | |

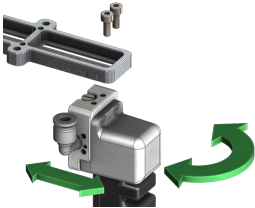
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

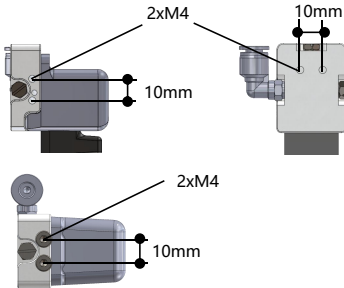
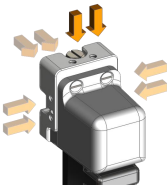


The measuring unit: [mm]

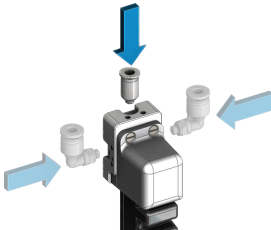
Pose Adjustment



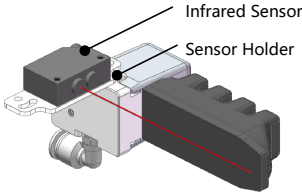
Fixation



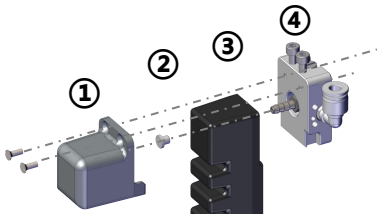
Air Intake



Sensor Installation

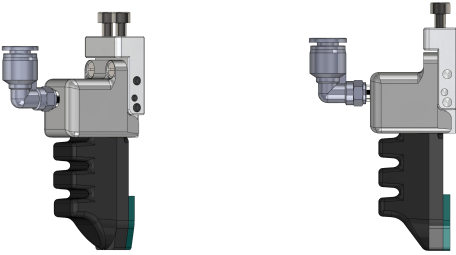


Assembly







- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



| Finger Pattern | |
|----------------|---|
| NS | Suitable for oily, watery, and other slippery workpiece surfaces. |
| | |

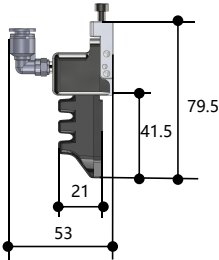
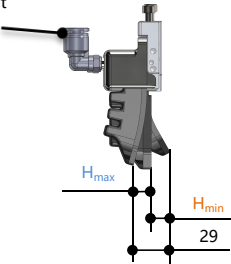
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B4V3/NS[P] | | | FM-B4V3/NS[PAS] | | | FM-B4V3/NS[H] | | | FM-B4V3/NS[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 16 | 13 |  120 |  200 | 47 | 16 | 10 |  260 |  240 | 47 | | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

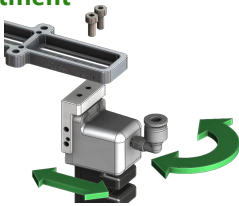
Finger Module

6mm Pipe Joint
(rotatable)

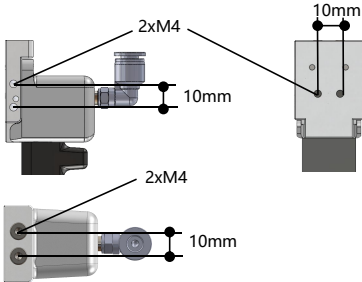
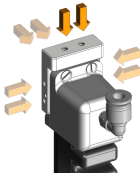


The measuring unit: [mm]

Pose Adjustment



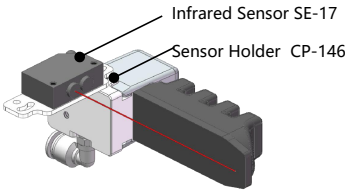
Fixation



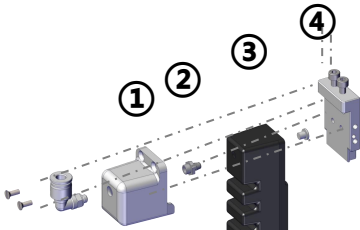
Air Intake



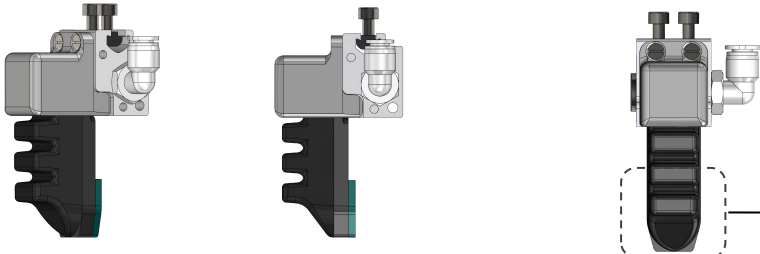
Sensor Installation

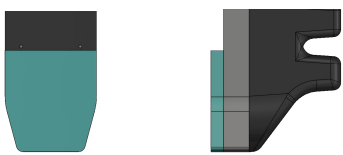




Assembly





- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

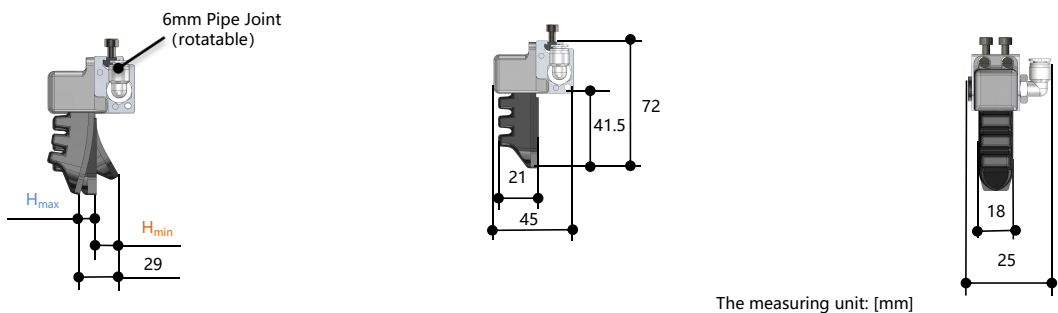


| Finger Pattern | |
|---|---|
| NS | Suitable for oily, watery, and other slippery workpiece surfaces. |
|  | |

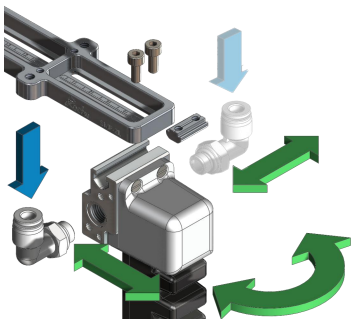
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B4V4/NS[P] | | FM-B4V4/NS[PAS] | | FM-B4V4/NS[H] | | FM-B4V4/NS[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠️ 120 |  200 | 65 | 16 | 10 | ⚠️ 260 |  240 | 65 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

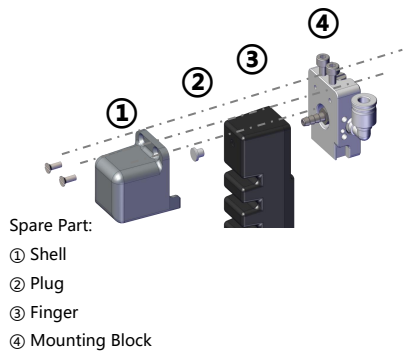
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

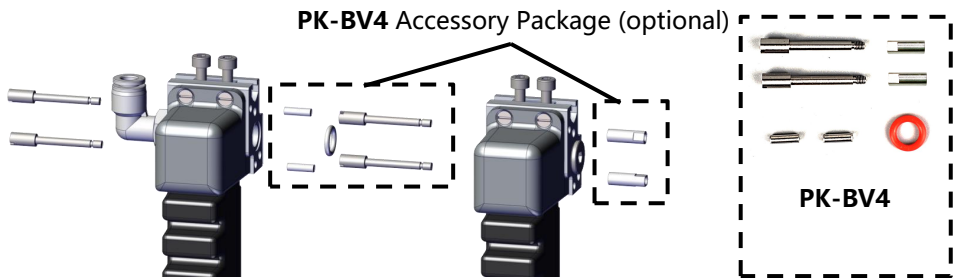


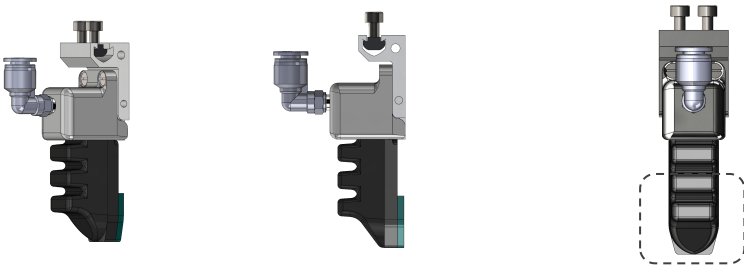
Assembly

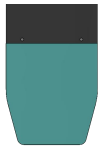
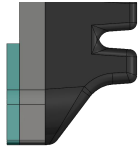




Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






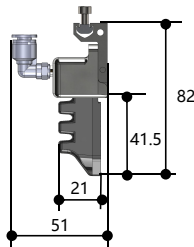
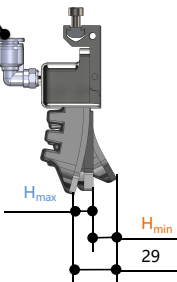
| Finger Pattern | |
|---|---|
| NS | Suitable for oily, watery, and other slippery workpiece surfaces. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B4V5/NS[P] | | FM-B4V5/NS[PAS] | | FM-B4V5/NS[H] | | FM-B4V5/NS[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠ 120 |  200 | 48 | 16 | 10 | ⚠ 260 |  240 | 48 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

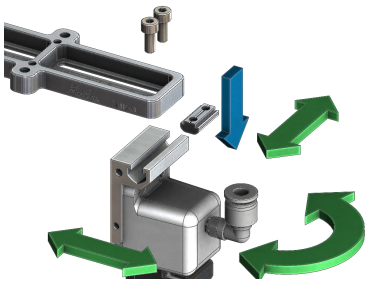
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint
(rotatable)

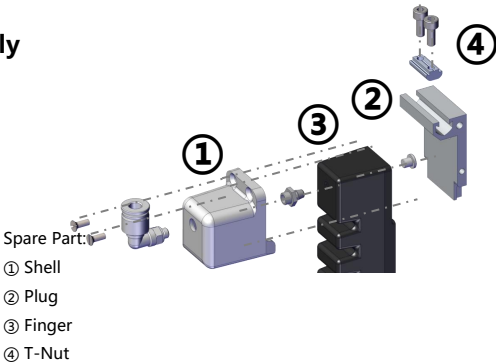


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

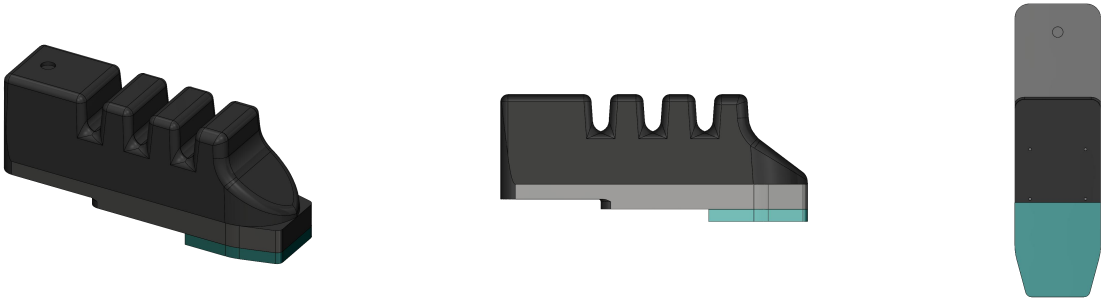


Series combination:

1. Build multiple finger modules in series to increase the grip force.
2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.

*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



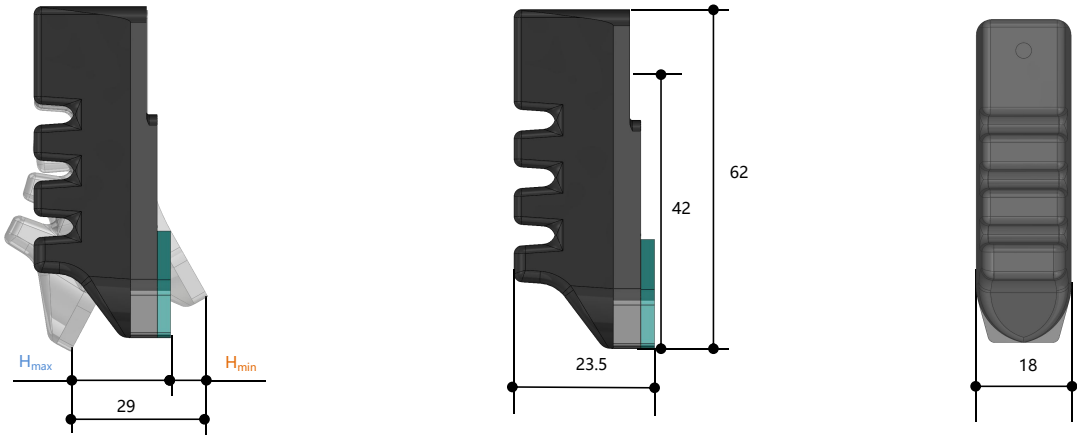


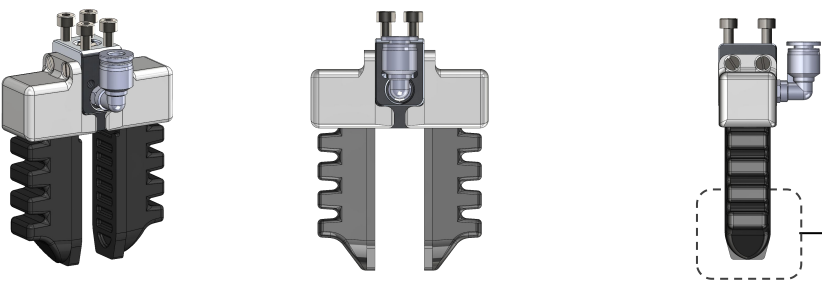
| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---------------------------------|------------|
| NS | Special Form | | Suitable for oily, watery, and other slippery workpiece surfaces. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-B4T/LS1[P] | | | F-B4T/LS1[PAS] | | F-B4T/LS1[H] | | | F-B4T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 16 | 13 | ⚠️ 120 | 📦 200 | 16 | 16 | 10 | ⚠️ 260 | 📦 240 | 16 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📦 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





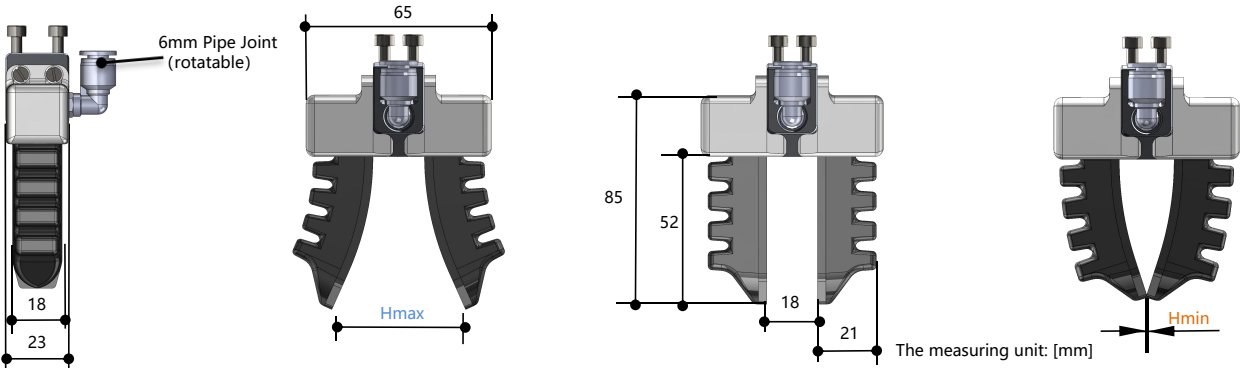
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-B5V1/LS1[P] | | FM-B5V1/LS1[PAS] | | | FM-B5V1/LS1[H] | | FM-B5V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 50 | ⚠️ 120 | 📏 360 | 94 | 0 | 46 | ⚠️ 260 | 📏 460 | 94 |

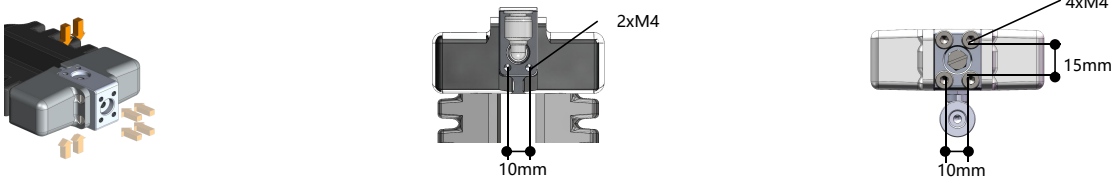
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

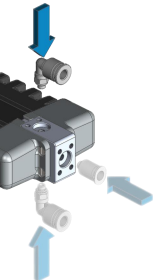
Finger Module



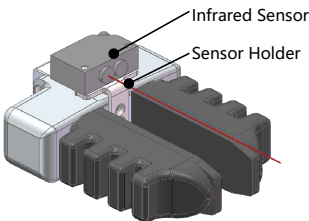
Fixation



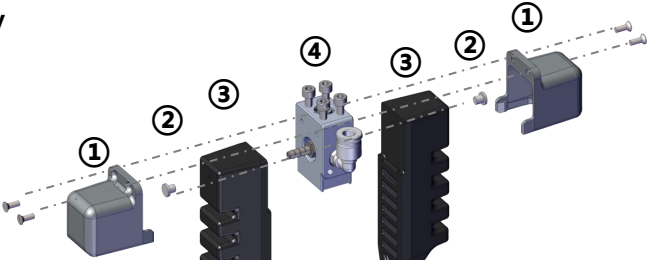
Air Intake



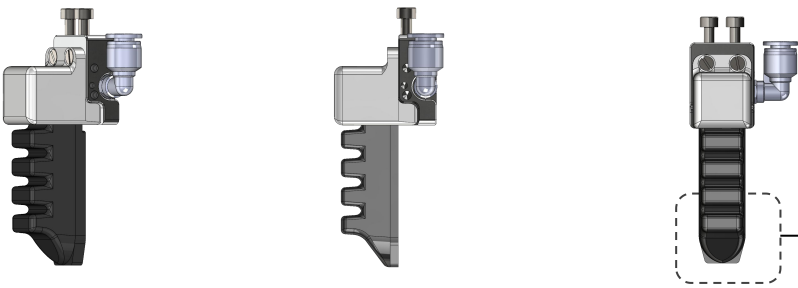
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

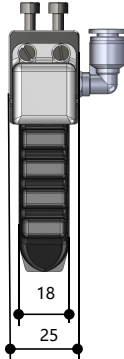
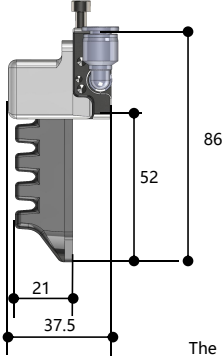
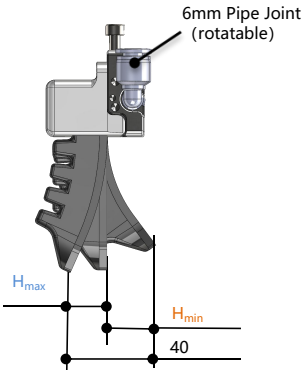


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B5V2/LS1[P] | | FM-B5V2/LS1[PAS] | | | FM-B5V2/LS1[H] | | FM-B5V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 |  120 |  180 | 60 | 24 | 14 |  260 |  230 | 60 |

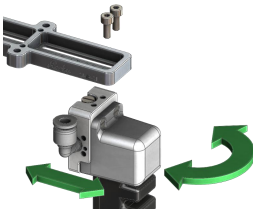
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

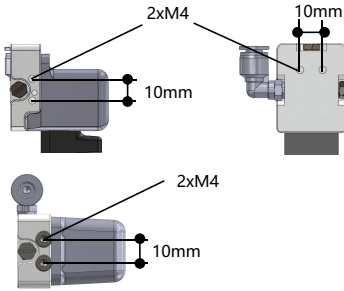
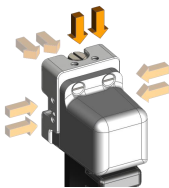


The measuring unit: [mm]

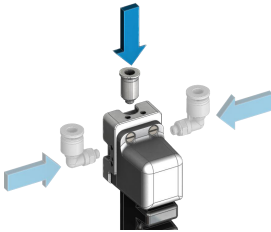
Pose Adjustment



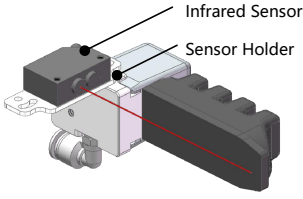
Fixation



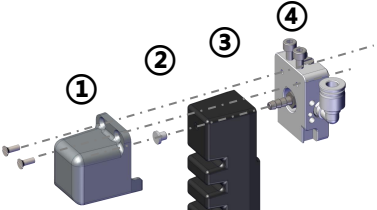
Air Intake



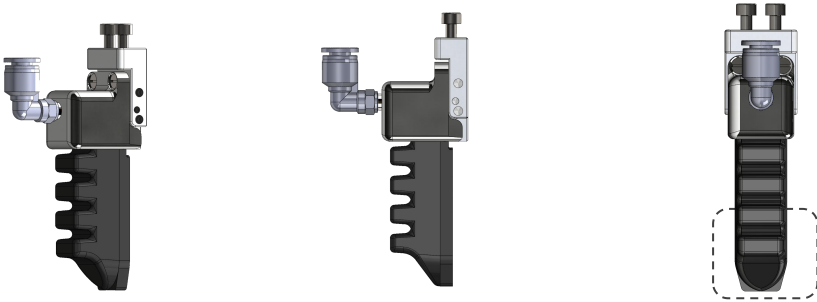
Sensor Installation

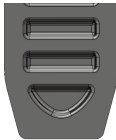





Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

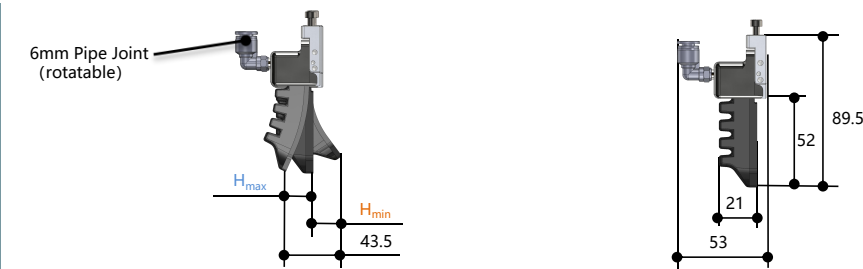
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B5V3/LS1[P] | | FM-B5V3/LS1[PAS] | | FM-B5V3/LS1[H] | | FM-B5V3/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 |  180 | 51 | 24 | 14 | ⚠ 260 |  230 | 51 |




Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



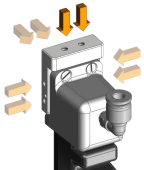


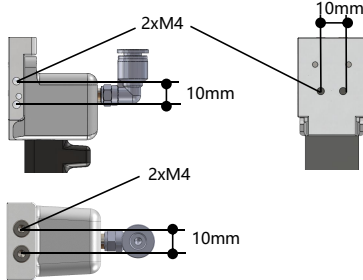
The measuring unit: [mm]

Pose Adjustment




Fixation

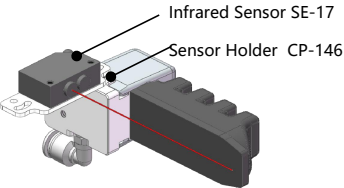




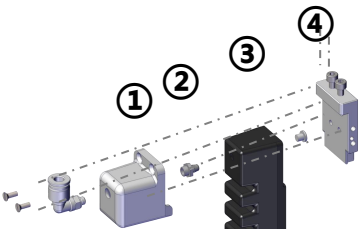
Air Intake



Sensor Installation

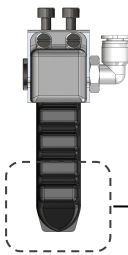
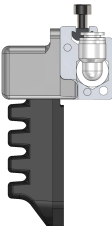
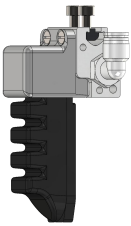


Assembly







Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

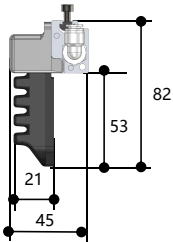
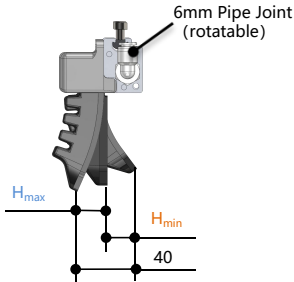


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

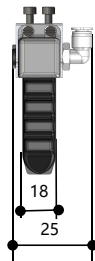
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------|
| FM-B5V4/LS1[P] | | FM-B5V4/LS1[PAS] | | | FM-B5V4/LS1[H] | | FM-B5V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 |  120 |  180 | 69 | 24 | 14 |  260 |  230 | 69 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

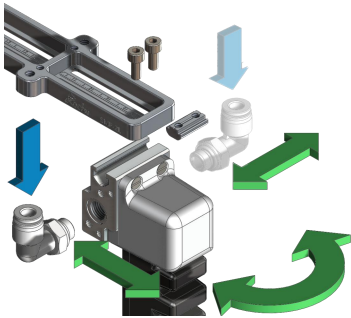
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



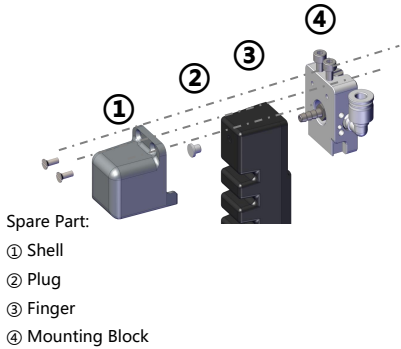
The measuring unit: [mm]



Air Intake & Pose Adjustment

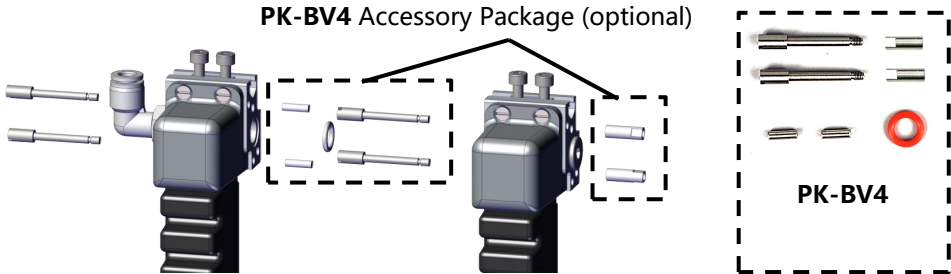


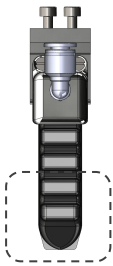
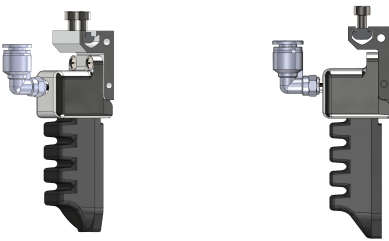
Assembly









Series combination:


- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




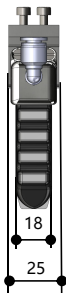
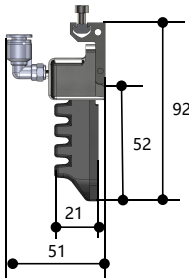
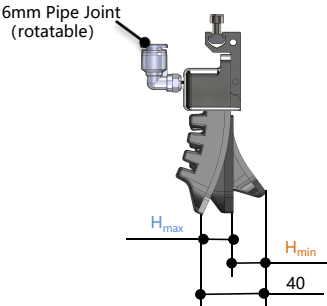


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B5V5/LS1[P] | | FM-B5V5/LS1[PAS] | | | FM-B5V5/LS1[H] | | FM-B5V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 |  120 |  180 | 52 | 24 | 14 |  260 |  230 | 52 |

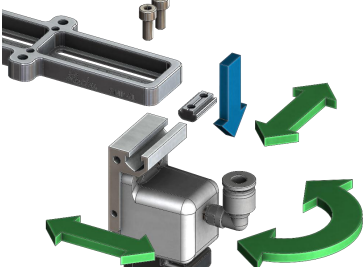
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

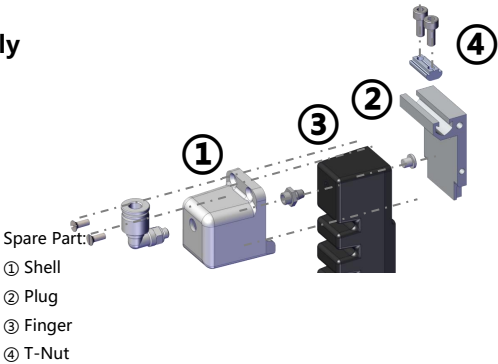


The measuring unit: [mm]

Air Intake & Pose Adjustment

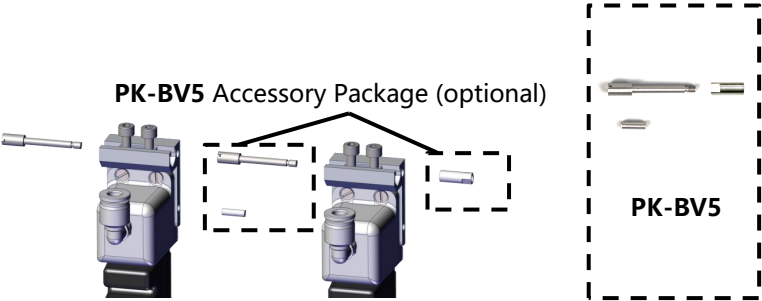


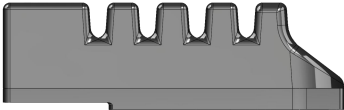
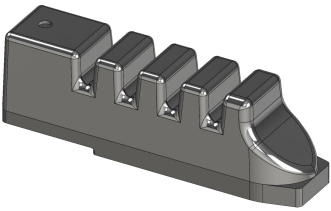
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



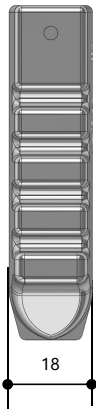
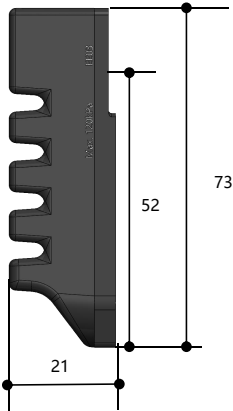
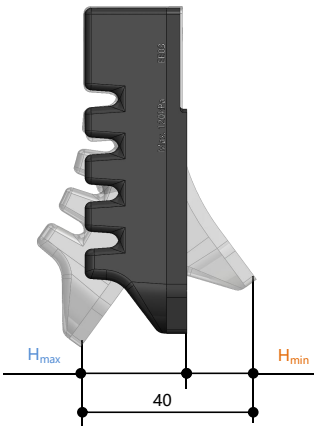


| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---|---------------------------------|------------|
| LS1 | Standard form | | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | |
| Normal Material F-B5T/LS1[P] | | | Dust-free Normal Material F-B5T/LS1[PAS] | | Strong Material F-B5T/LS1[H] | | Dust-free Strong Material F-B5T/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠️ 120 | 🏷️ 180 | 20 | 24 | 14 | ⚠️ 260 | 🏷️ 230 | 20 |

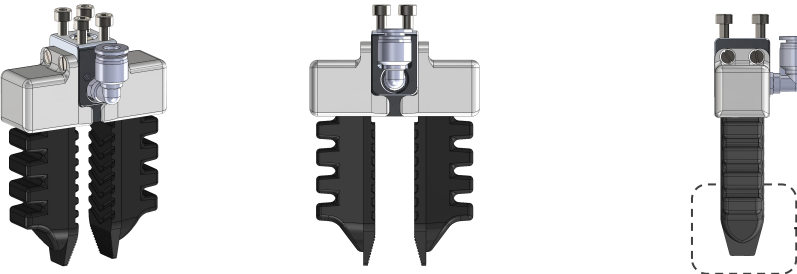
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

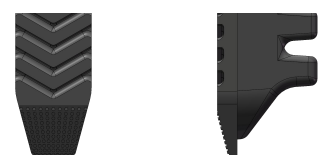
🏷 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters




Finger Module



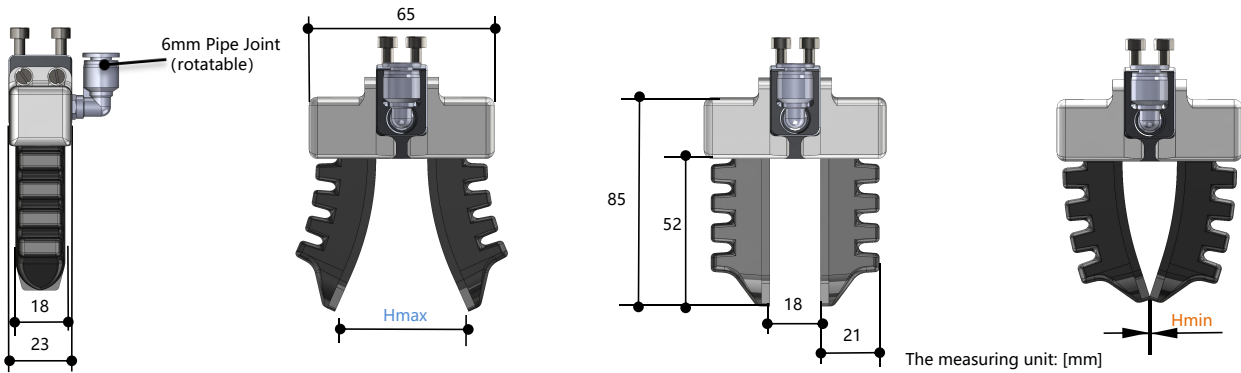
| Finger Pattern | |
|---|------------------------------------|
| FS3 | Suitable for soft fabric products. |
|  | |

| | | | | | | | | | |
|---|---|--|---|--|---|--|------------------------|---|---------------|
| Normal Material FM-B5V1/FS3[P] | | Dust-free Normal Material FM-B5V1/FS3[PAS] | | Strong Material FM-B5V1/FS3[H] | | Dust-free Strong Material FM-B5V1/FS3[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 50 | ⚠ 120 |  360 | 94 | 0 | 46 | ⚠ 260 |  460 | 94 |

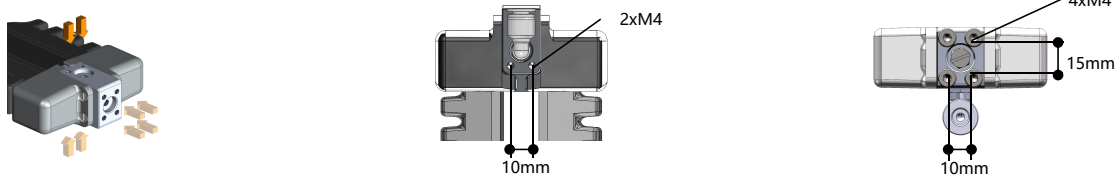
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

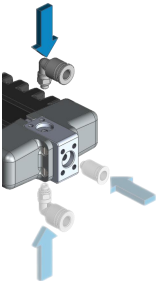
Finger Module



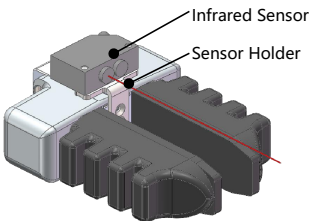
Fixation



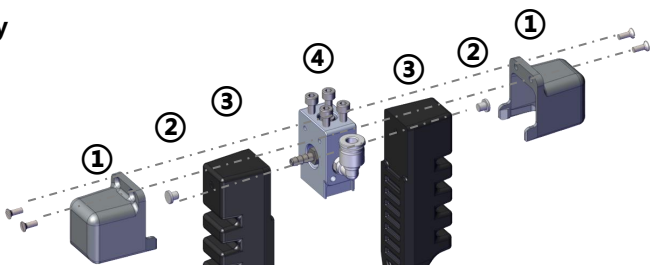
Air Intake



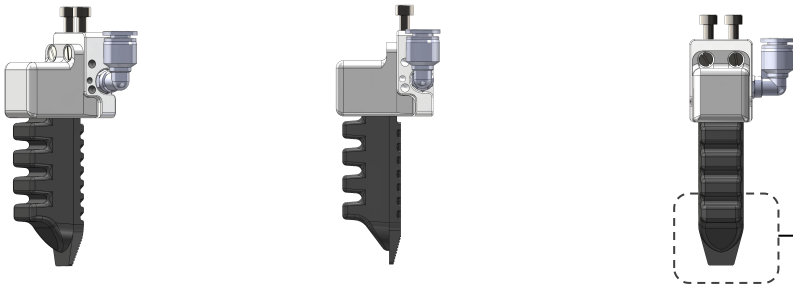
Sensor Installation






Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

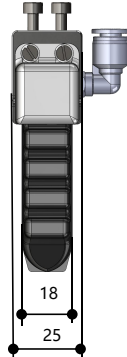
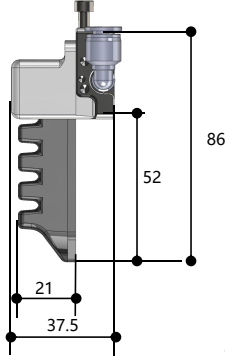
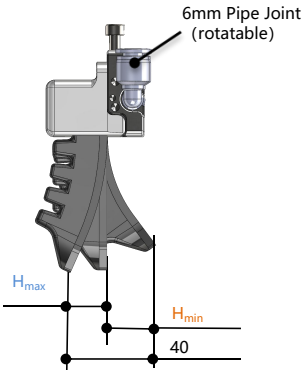


| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B5V2/FS3[P] | | FM-B5V2/FS3[PAS] | | | FM-B5V2/FS3[H] | | FM-B5V2/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 |  120 |  180 | 60 | 24 | 14 |  260 |  230 | 60 |

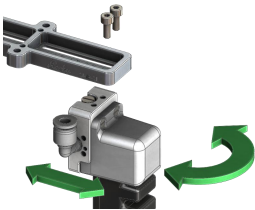
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

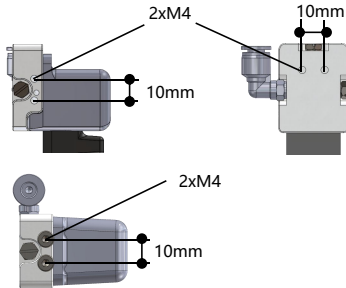
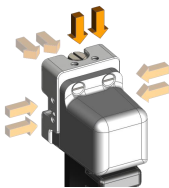


The measuring unit: [mm]

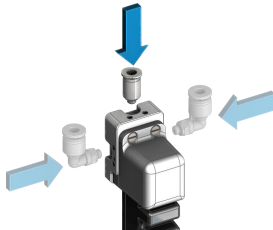
Pose Adjustment



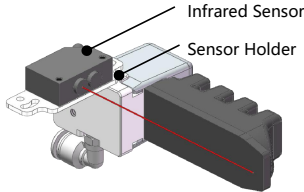
Fixation



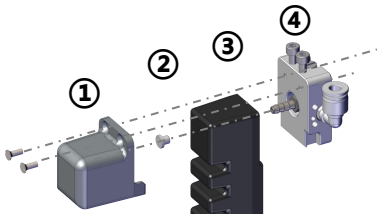
Air Intake



Sensor Installation

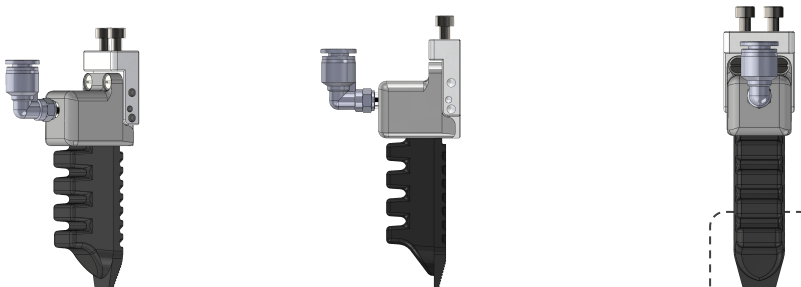




Assembly






- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module




| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B5V3/FS3[P] | | FM-B5V3/FS3[PAS] | | FM-B5V3/FS3[H] | | FM-B5V3/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 |  180 | 51 | 24 | 14 | ⚠ 260 |  230 | 51 |

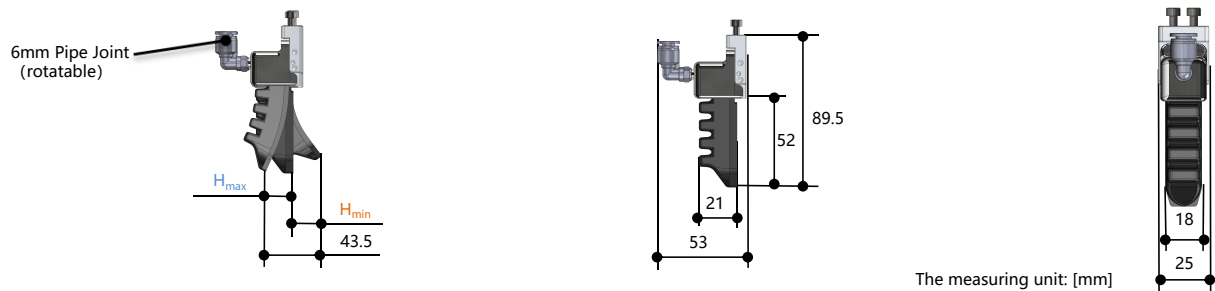


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

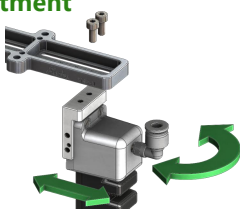


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

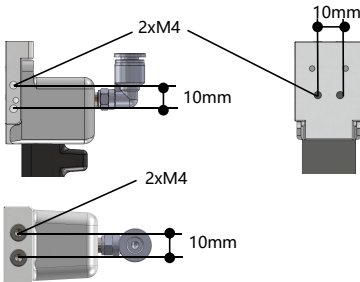
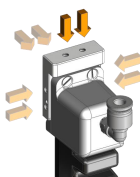
Finger Module



Pose Adjustment



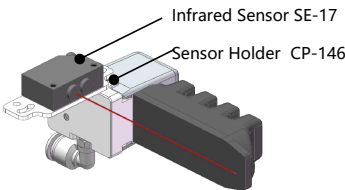
Fixation



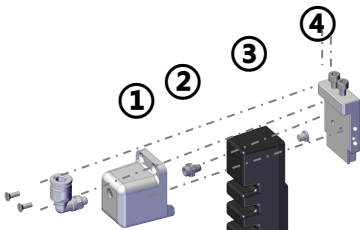
Air Intake




Sensor Installation







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

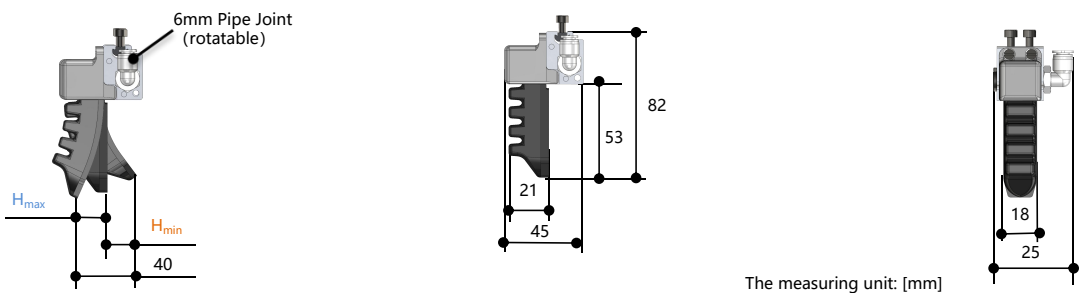
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B5V4/FS3[P] | | FM-B5V4/FS3[PAS] | | FM-B5V4/FS3[H] | | FM-B5V4/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 |  180 | 69 | 24 | 14 | ⚠ 260 |  230 | 69 |



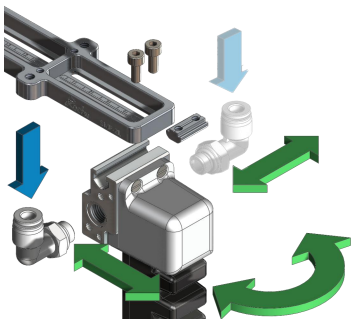
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



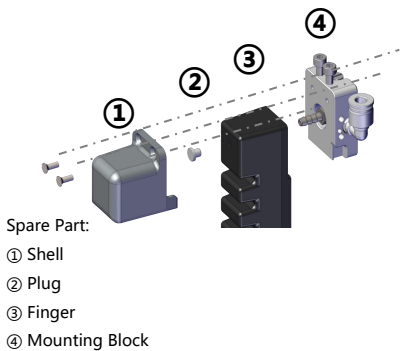
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

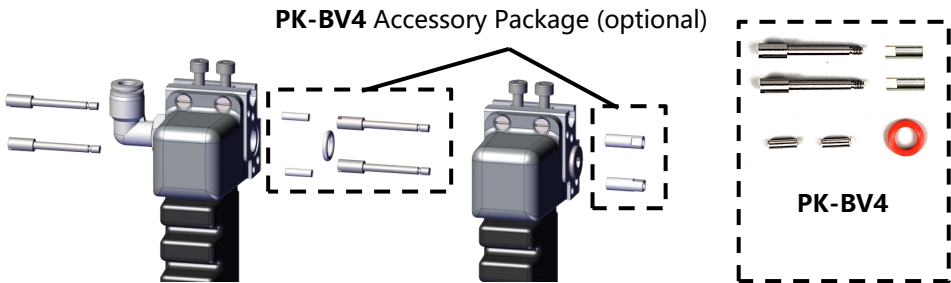


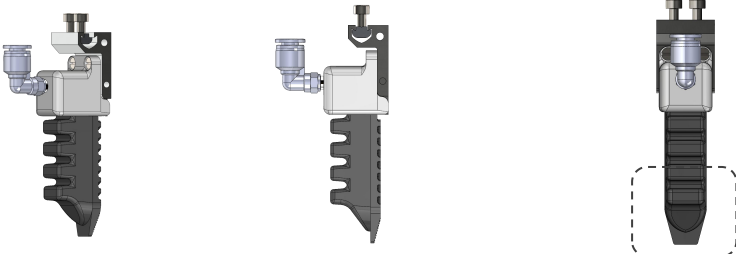
Assembly







Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




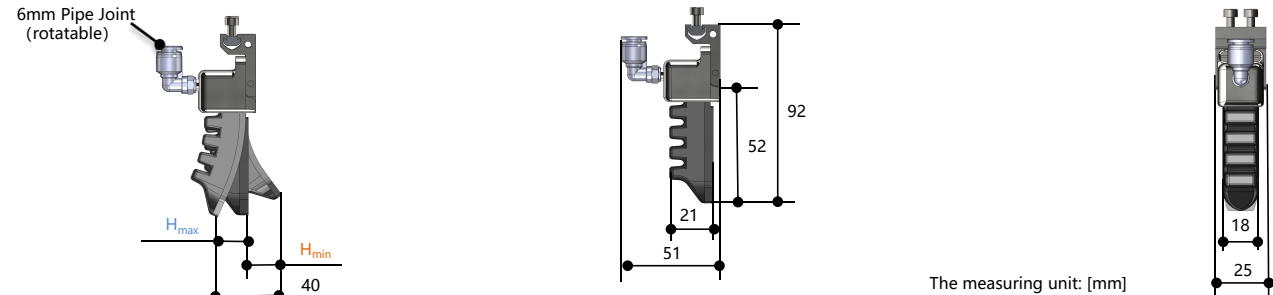


| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

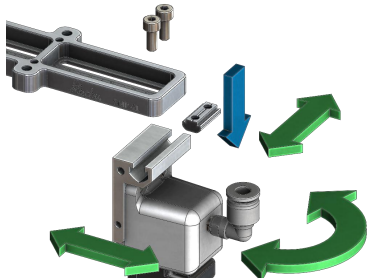
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B5V5/FS3[P] | | FM-B5V5/FS3[PAS] | | FM-B5V5/FS3[H] | | FM-B5V5/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 |  180 | 52 | 24 | 14 | ⚠ 260 |  230 | 52 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

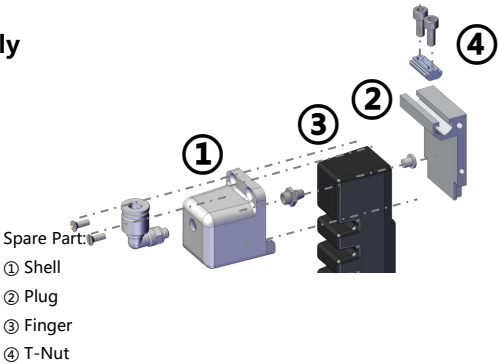
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

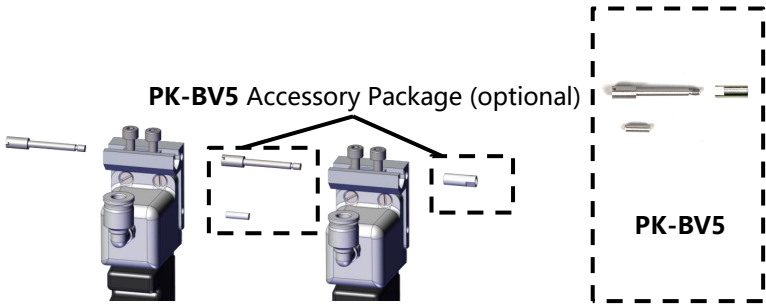


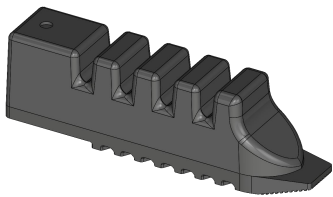
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



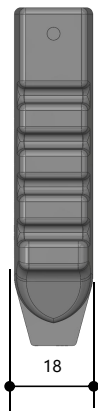
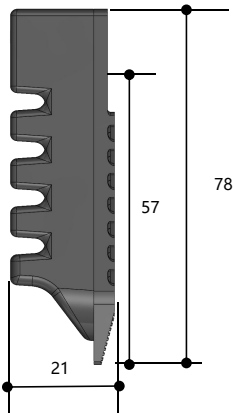
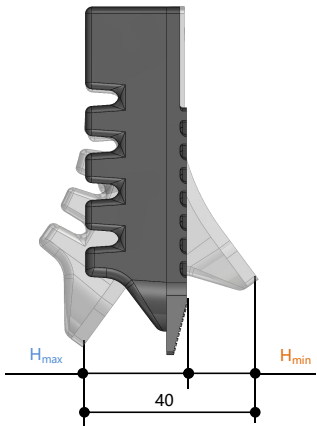


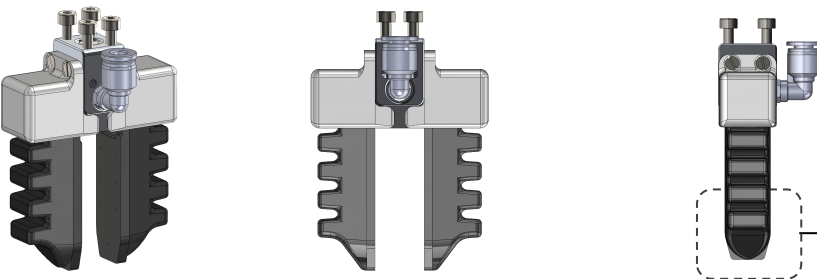
| Finger Pattern | | Features | | | | | | | |
|---|---|------------------------------------|---|------------|---|---|---------------------|---|------------|
| FS3 | Special Form | Suitable for soft fabric products. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-B5T/FS3[P] | | F-B5T/FS3[PAS] | | | F-B5T/FS3[H] | | | F-B5T/FS3[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 |  180 | 20 | 24 | 14 | ⚠ 260 |  230 | 20 |


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





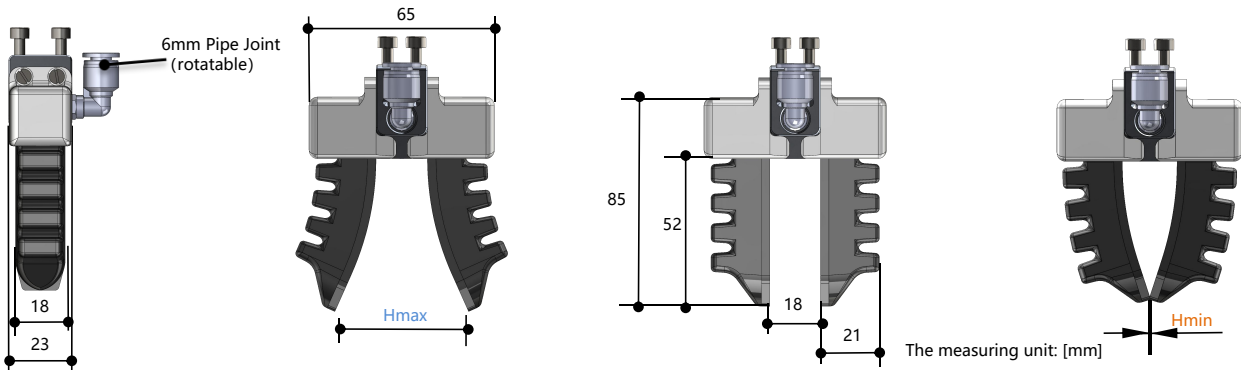
| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  | |

| | | | | | | | |
|---|---|--|---|--|---|--|------------------------|
| Normal Material FM-B5V1/LF1[P] | | Dust-free Normal Material FM-B5V1/LF1[PAS] | | Strong Material FM-B5V1/LF1[H] | | Dust-free Strong Material FM-B5V1/LF1[HAS] | |
| Finger color: Black | | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] |
| 0 | 50 | ⚠ 120 |  360 | 94 | 0 | 46 | ⚠ 260 |
| Finger color: Grey | | | | | | | |
| Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] |
| 0 | 46 | ⚠ 260 |  460 | 94 | 0 | 46 | ⚠ 260 |

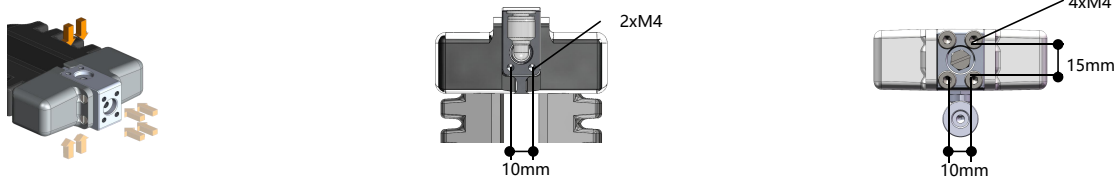
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

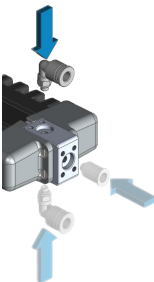
Finger Module



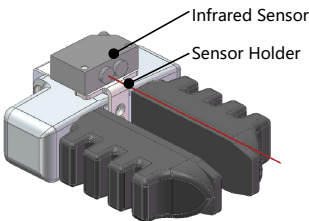
Fixation



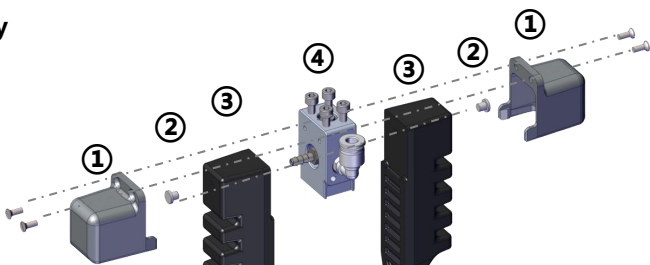
Air Intake



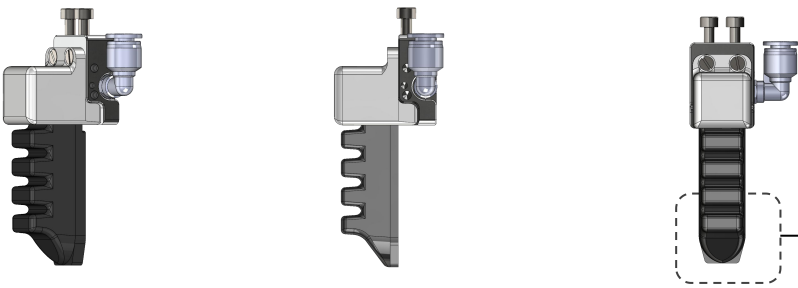
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

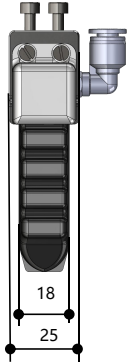
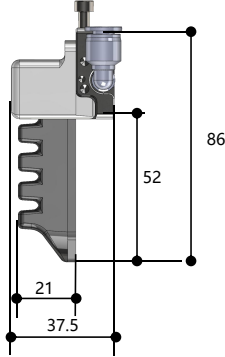
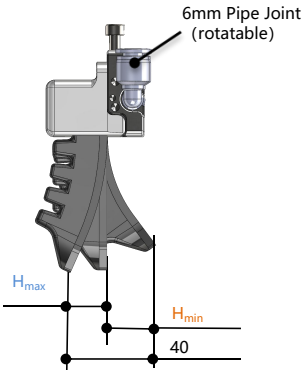


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-B5V2/LF1[P] | | FM-B5V2/LF1[PAS] | | | FM-B5V2/LF1[H] | | FM-B5V2/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 | 📏 180 | 60 | 24 | 14 | ⚠ 260 | 📏 230 | 60 |

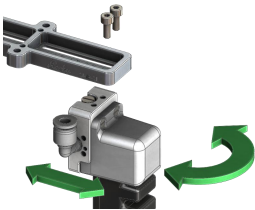
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

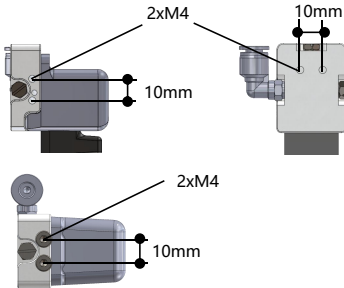
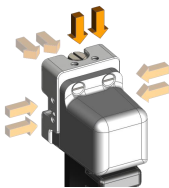


The measuring unit: [mm]

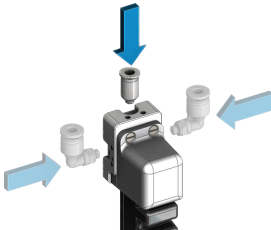
Pose Adjustment



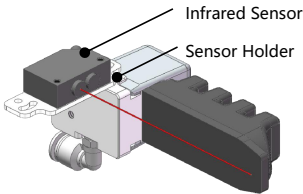
Fixation



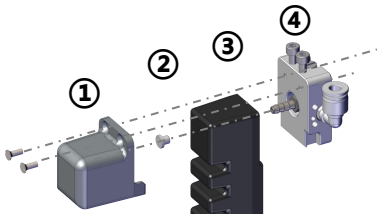
Air Intake



Sensor Installation

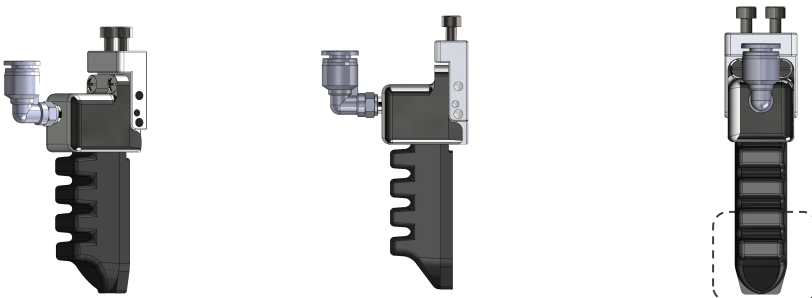




Assembly






- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module




| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|--------------------|---|---|------------------------|---|---------------|
| FM-B5V3/LF1[P] | | FM-B5V3/LF1[PAS] | | FM-B5V3/LF1[H] | | FM-B5V3/LF1[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 |  180 | 51 | 24 | 14 | ⚠ 260 |  230 | 51 |

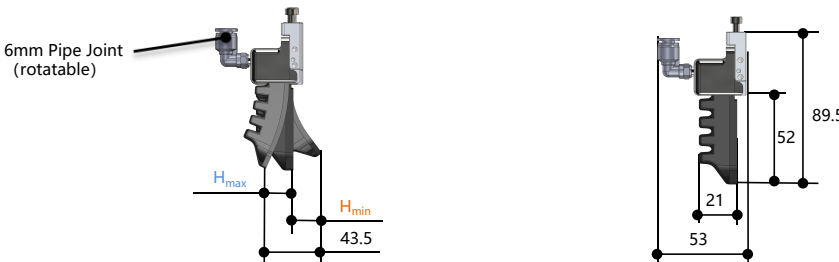


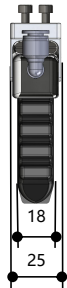
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

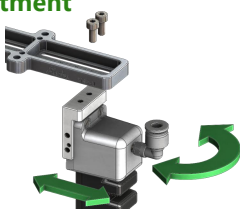
Finger Module



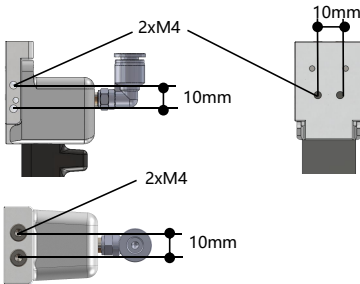
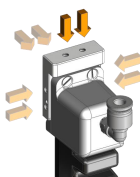


The measuring unit: [mm]

Pose Adjustment



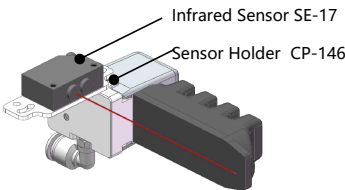
Fixation



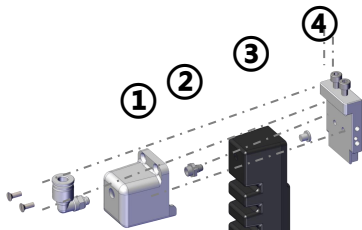
Air Intake



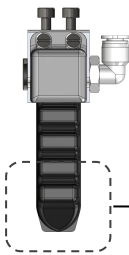
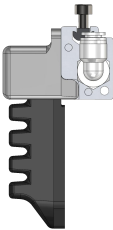
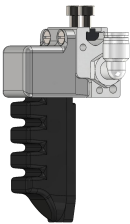
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

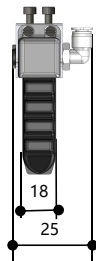
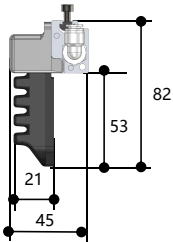
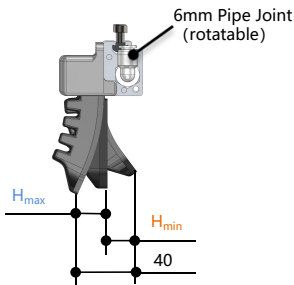


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B5V4/LF1[P] | | FM-B5V4/LF1[PAS] | | | FM-B5V4/LF1[H] | | FM-B5V4/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 |  120 |  180 | 69 | 24 | 14 |  260 |  230 | 69 |

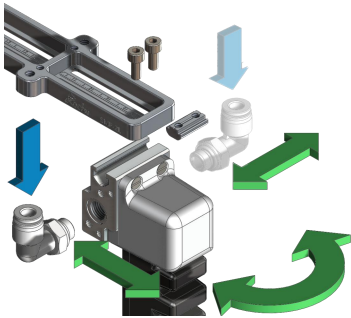
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

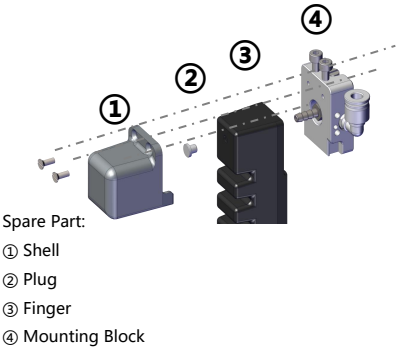


The measuring unit: [mm]

Air Intake & Pose Adjustment

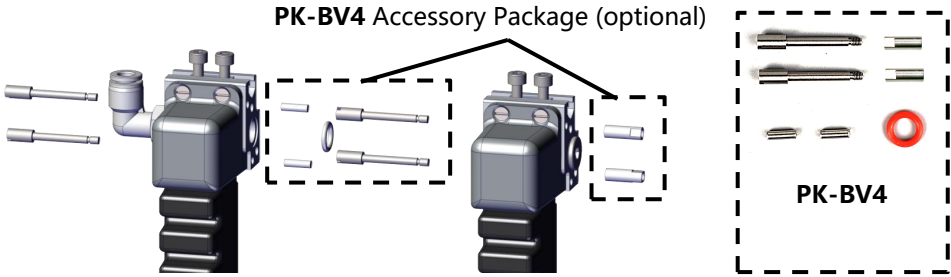


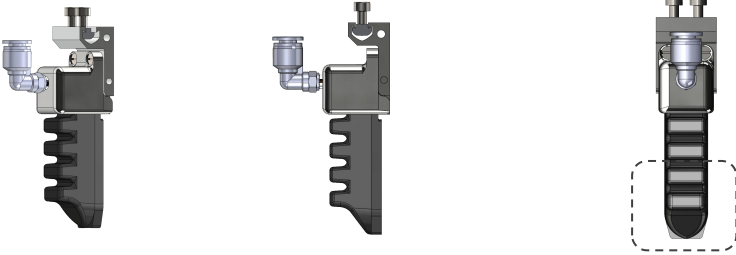
Assembly







Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

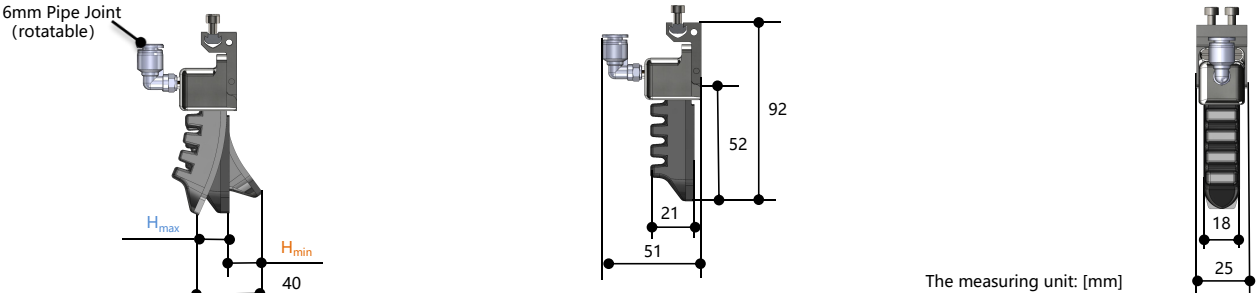
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B5V5/LF1[P] | | FM-B5V5/LF1[PAS] | | FM-B5V5/LF1[H] | | FM-B5V5/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 |  180 | 52 | 24 | 14 | ⚠ 260 |  230 | 52 |



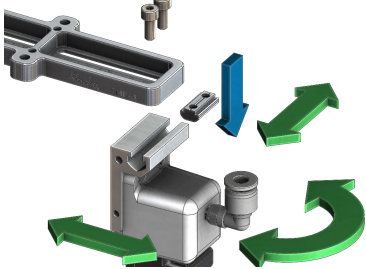
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



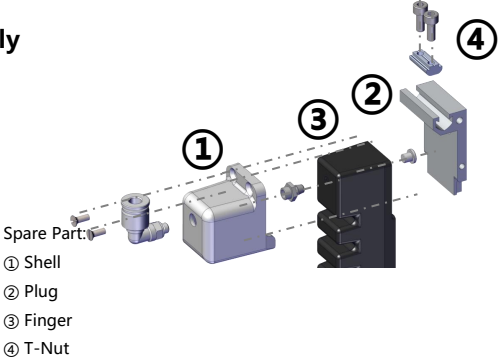
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

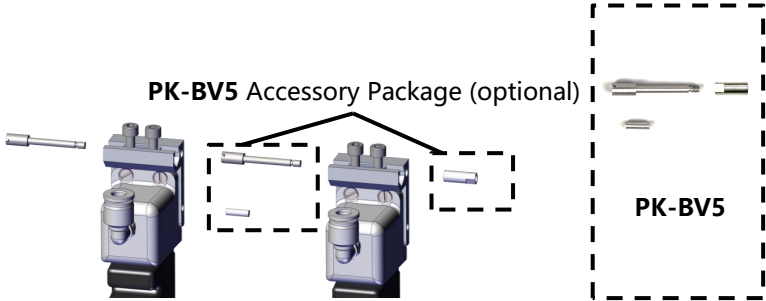


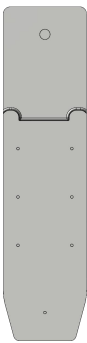
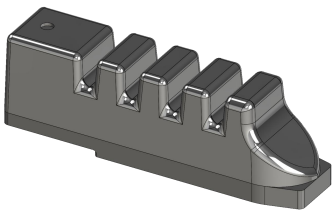
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



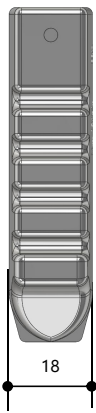
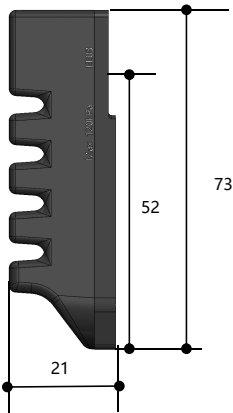
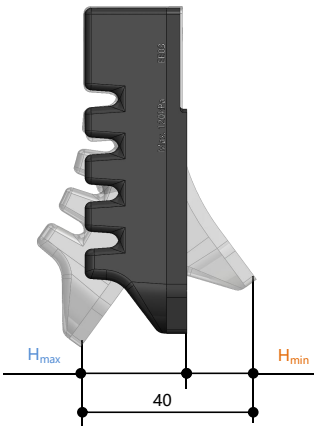


| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---|---|------------|
| LF1 | Special Form | | Suitable for smooth dry workpieces and soft food. | | | | | | |
| Normal Material F-B5T/LF1[P] | | | Dust-free Normal Material F-B5T/LF1[PAS] | | Strong Material F-B5T/LF1[H] | | Dust-free Strong Material F-B5T/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 24 | 16 | ⚠ 120 |  180 | 20 | 24 | 14 | ⚠ 260 |  230 | 20 |

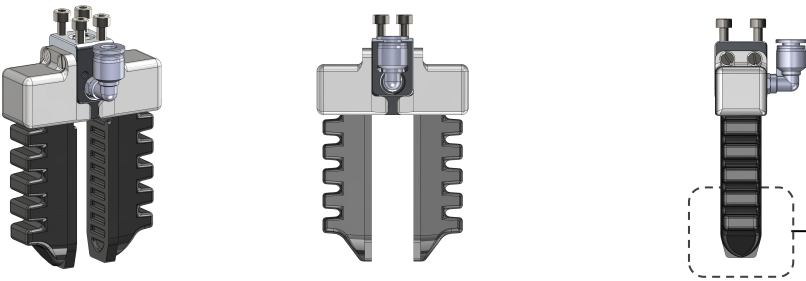
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.


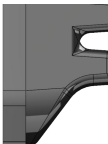
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



FM -B6V1 / LS1



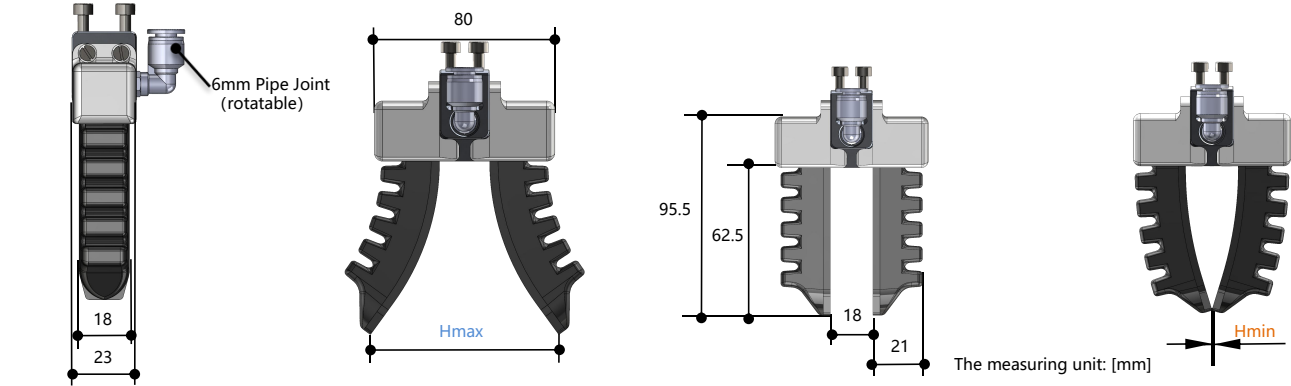
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V1/LS1[P] | | FM-B6V1/LS1[PAS] | | | FM-B6V1/LS1[H] | | FM-B6V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 64 |  120 |  288 | 102 | 0 | 52 |  260 |  348 | 102 |

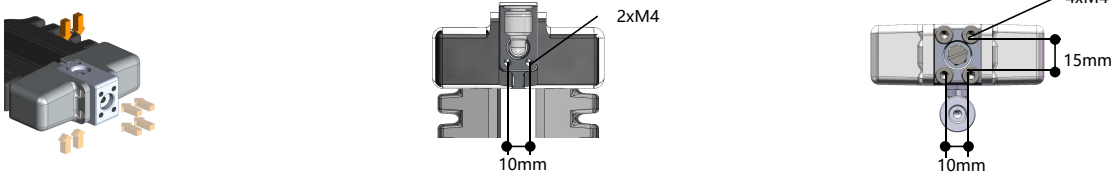
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

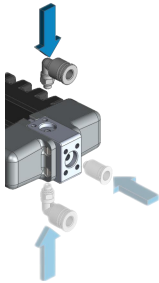
Finger Module



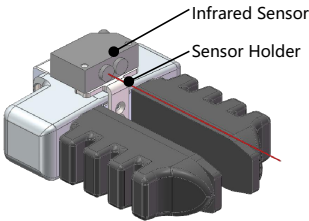
Fixation



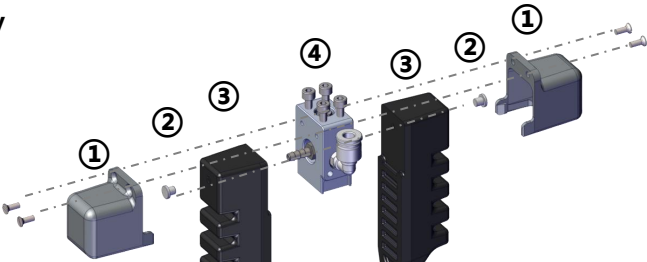
Air Intake



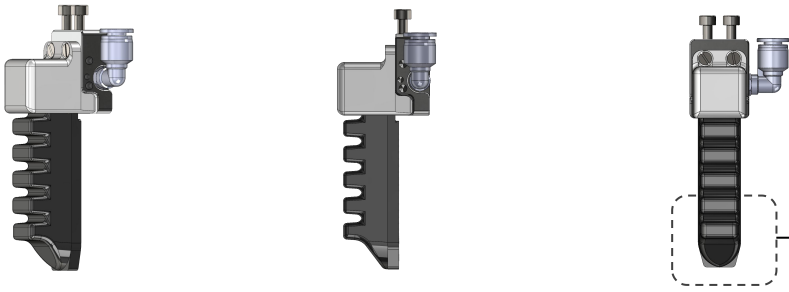
Sensor Installation






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

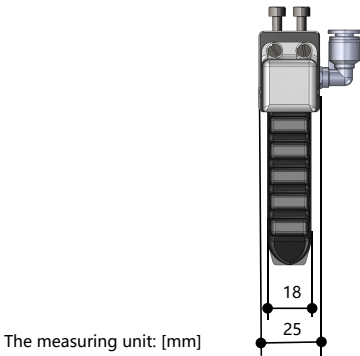
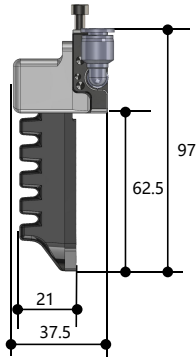
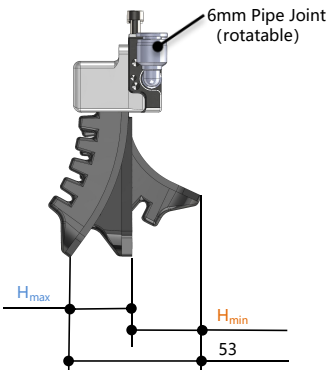


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

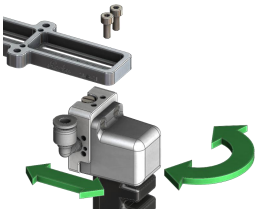
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V2/LS1[P] | | FM-B6V2/LS1[PAS] | | | FM-B6V2/LS1[H] | | FM-B6V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 64 | 30 | 17 |  260 |  174 | 64 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

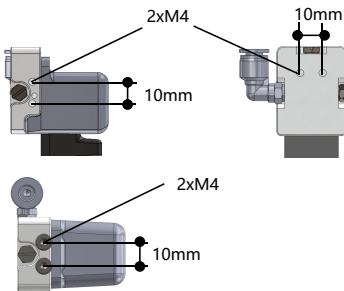
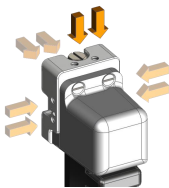
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



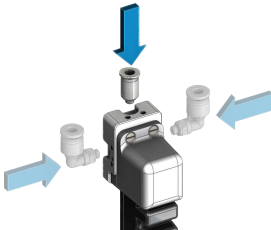
Pose Adjustment



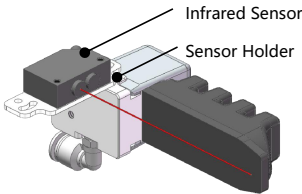
Fixation



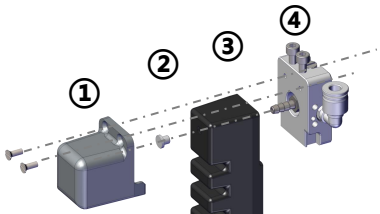
Air Intake



Sensor Installation

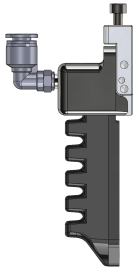
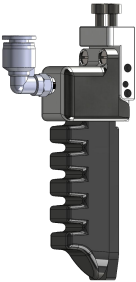


Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



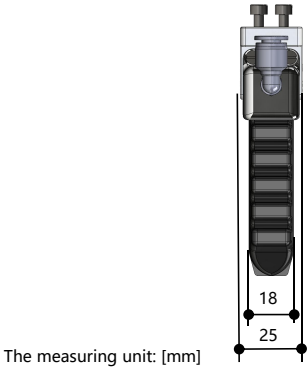
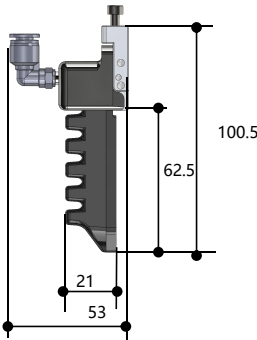
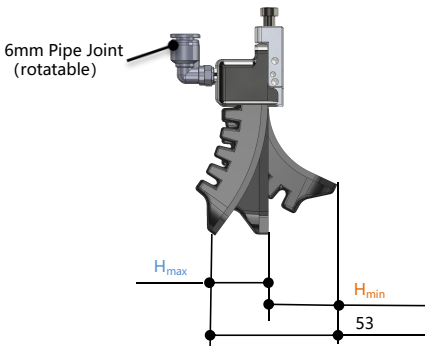
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V3/LS1[P] | | FM-B6V3/LS1[PAS] | | | FM-B6V3/LS1[H] | | FM-B6V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 55 | 30 | 17 |  260 |  174 | 55 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

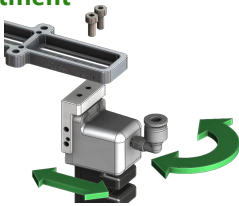
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

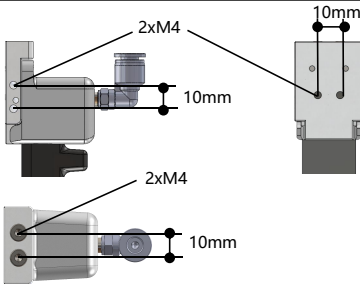
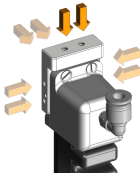


The measuring unit: [mm]

Pose Adjustment



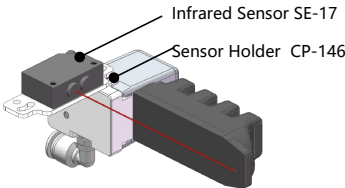
Fixation



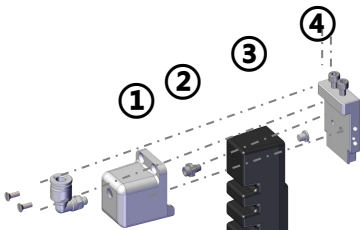
Air Intake



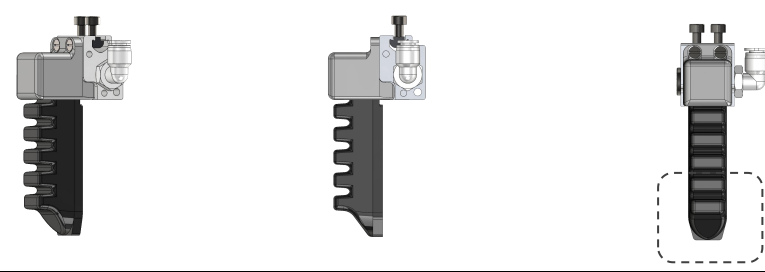
Sensor Installation

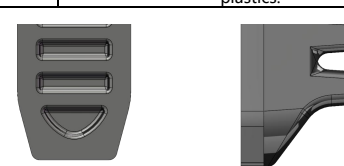






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  | |

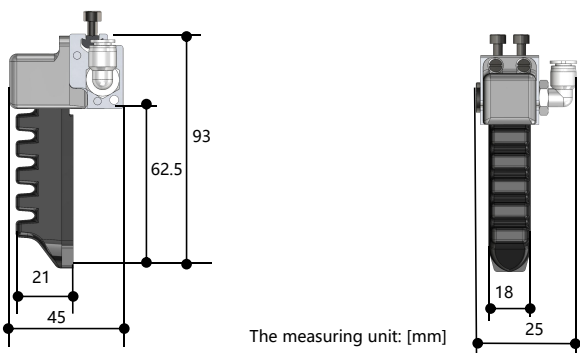
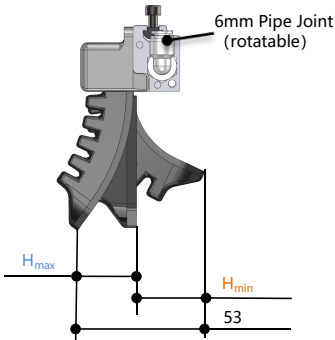
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V4/LS1[P] | | | FM-B6V4/LS1[PAS] | | FM-B6V4/LS1[H] | | | FM-B6V4/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 73 | 30 | 17 |  260 |  174 | 73 |



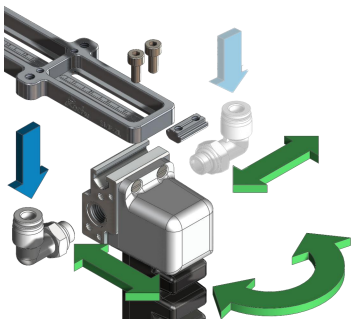
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



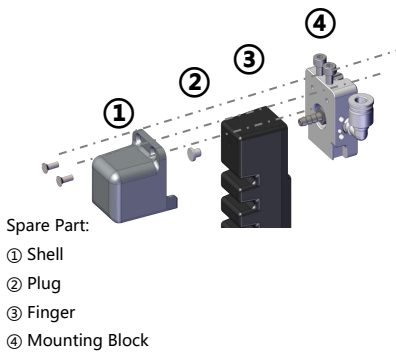
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

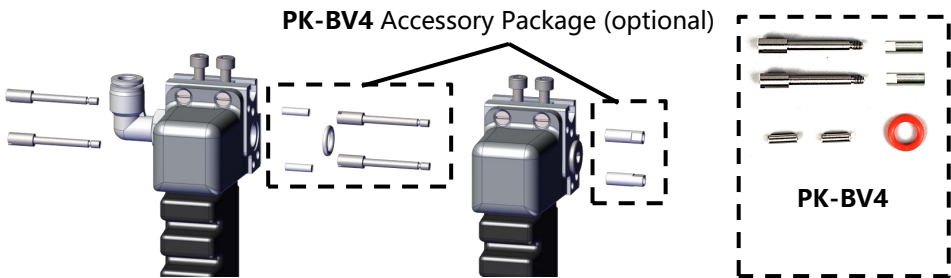


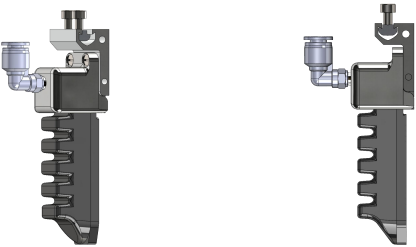
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




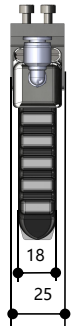
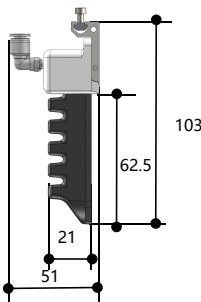
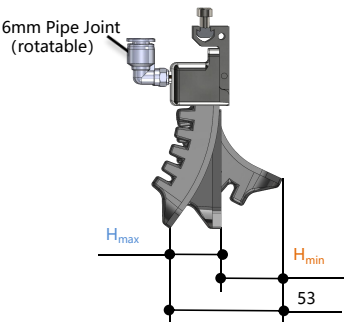


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V5/LS1[P] | | FM-B6V5/LS1[PAS] | | | FM-B6V5/LS1[H] | | FM-B6V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 56 | 30 | 17 |  260 |  174 | 56 |

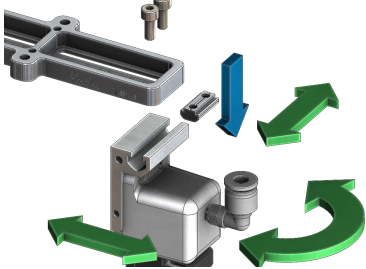
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

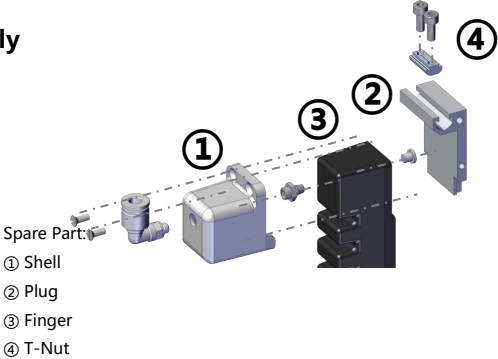


The measuring unit: [mm]

Air Intake & Pose Adjustment

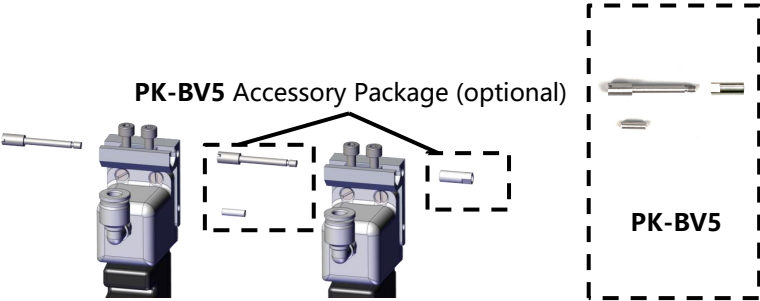


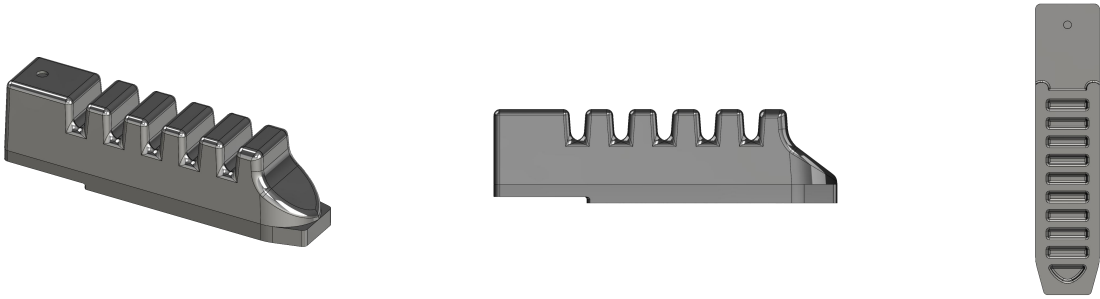
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



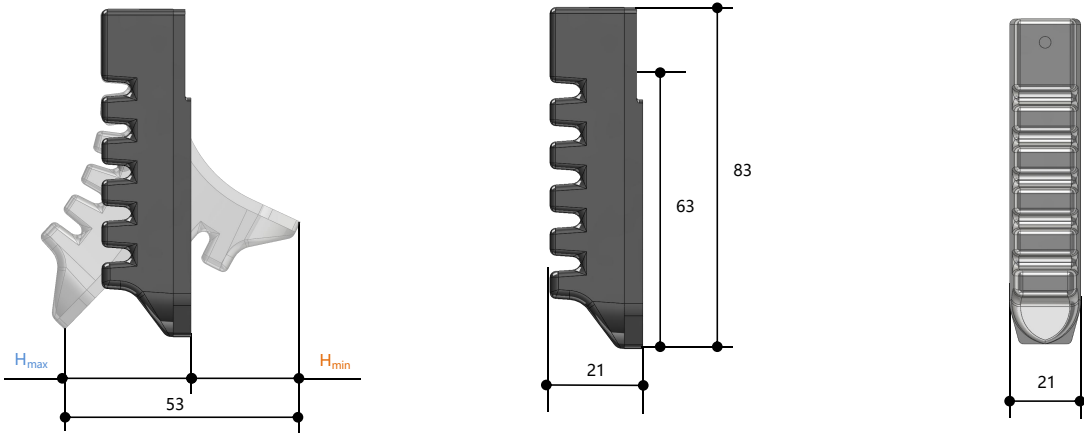


| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---------------------------------|------------|
| LS1 | Standard form | | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-B6T/LS1[P] | | | F-B6T/LS1[PAS] | | F-B6T/LS1[H] | | | F-B6T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 | ⚠ 120 | 🏋️ 144 | 24 | 30 | 17 | ⚠ 260 | 🏋️ 174 | 24 |

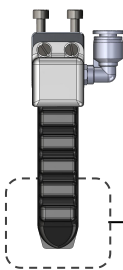
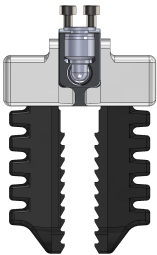
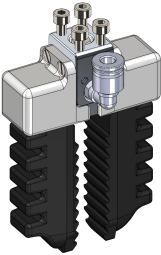
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



Finger Module



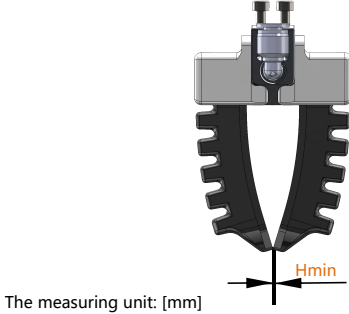
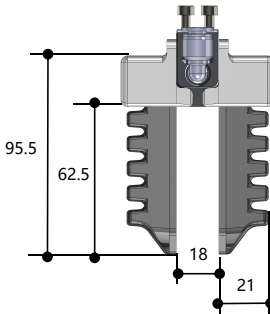
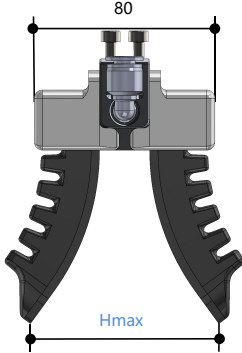
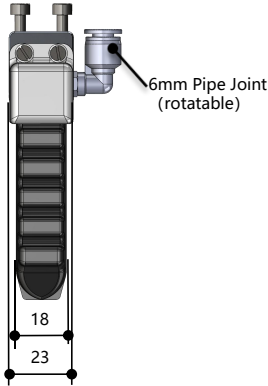
| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B6V1/LS8[P] | | | FM-B6V1/LS8[PAS] | | | FM-B6V1/LS8[H] | | | FM-B6V1/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 0 | 64 |  120 |  288 | 102 | 0 | 52 |  260 |  348 | 102 | | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

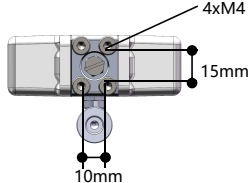
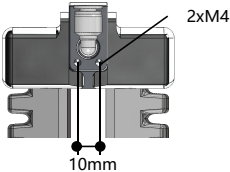
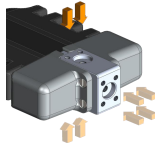
📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

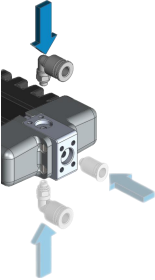


The measuring unit: [mm]

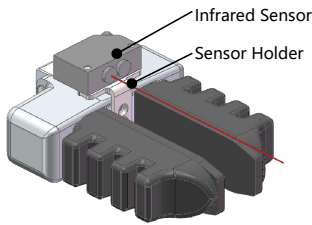
Fixation



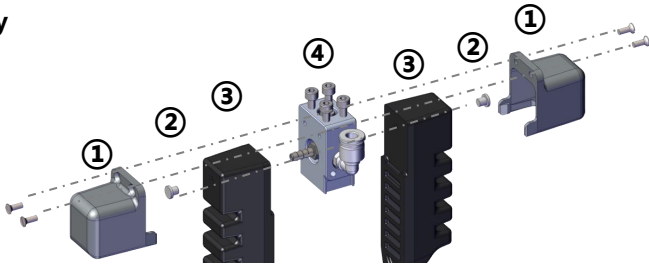
Air Intake



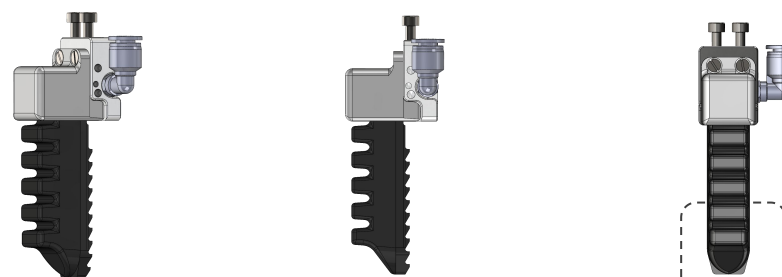
Sensor Installation


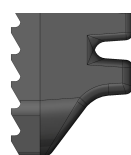




Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

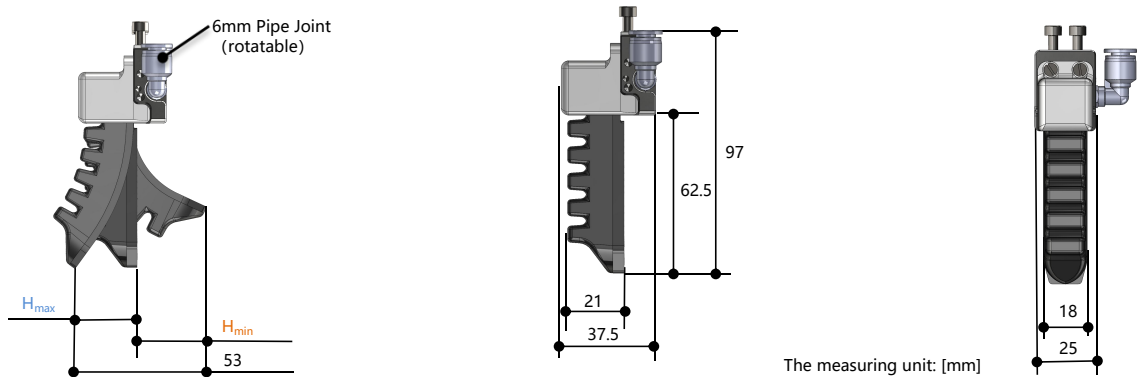
| | | | | | | | | | |
|---|---|---------------------------|---|-----------------|---|---|------------------------|---|---------------|
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-B6V2/LS8[P] | | FM-B6V2/LS8[PAS] | | FM-B6V2/LS8[H] | | FM-B6V2/LS8[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 | ⚠ 120 |  144 | 64 | 30 | 17 | ⚠ 260 |  174 | 64 |



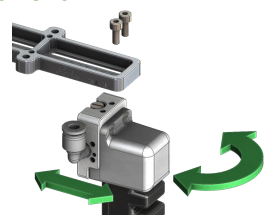
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



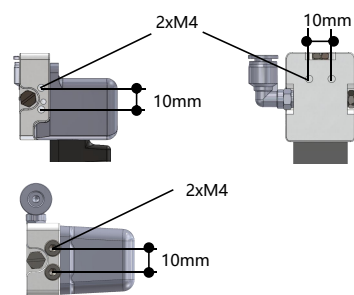
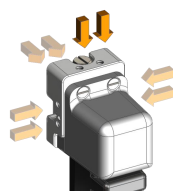
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



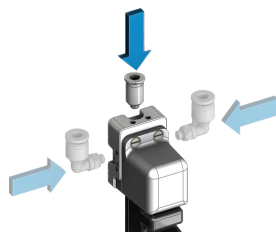
Pose Adjustment



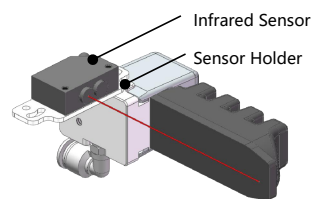
Fixation



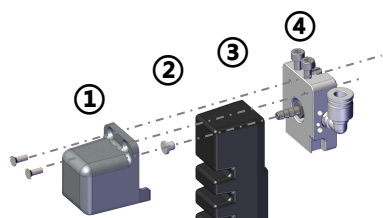
Air Intake



Sensor Installation

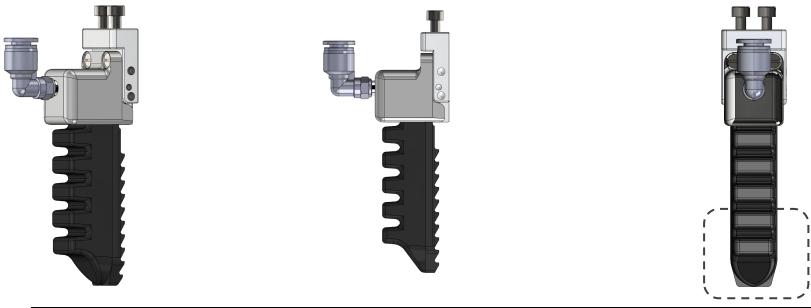




Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V3/LS8[P] | | FM-B6V3/LS8[PAS] | | | FM-B6V3/LS8[H] | | FM-B6V3/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 55 | 30 | 17 |  260 |  174 | 55 |

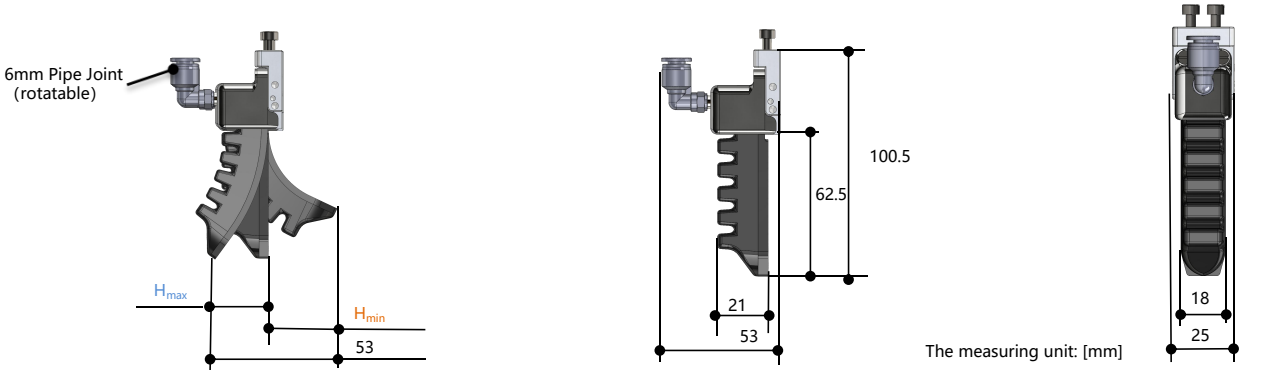


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

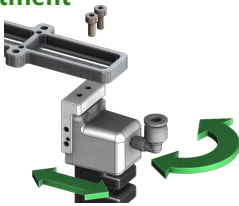


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

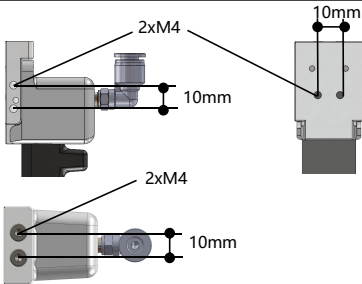
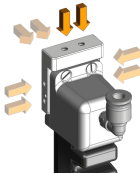
Finger Module



Pose Adjustment



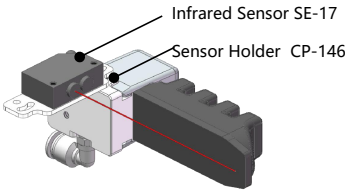
Fixation



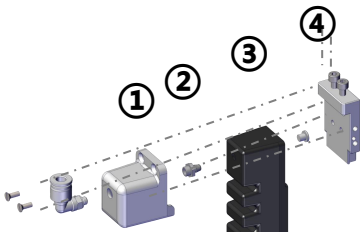
Air Intake



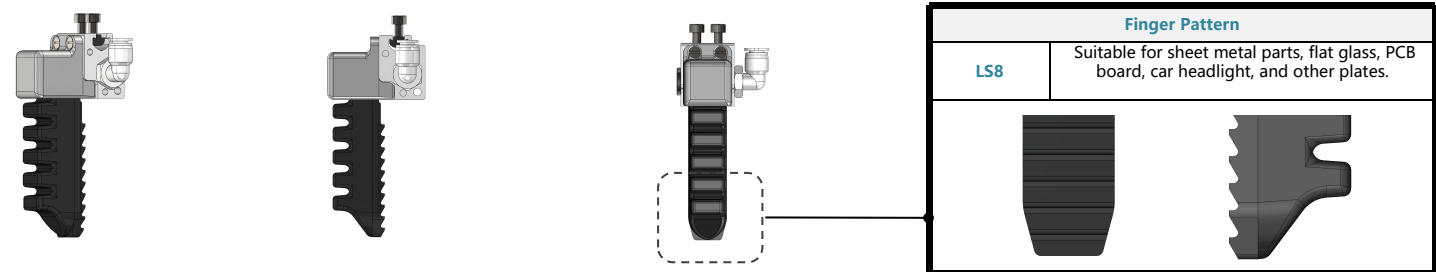
Sensor Installation






Assembly



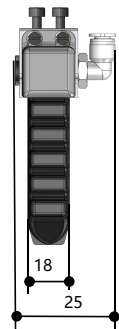
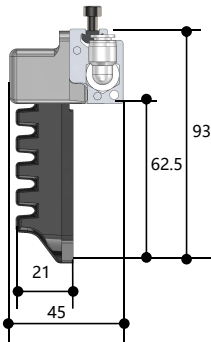
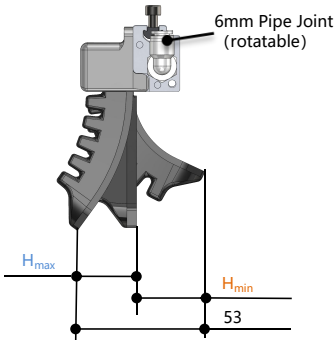
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V4/LS8[P] | | FM-B6V4/LS8[PAS] | | | FM-B6V4/LS8[H] | | FM-B6V4/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 73 | 30 | 17 |  260 |  174 | 73 |

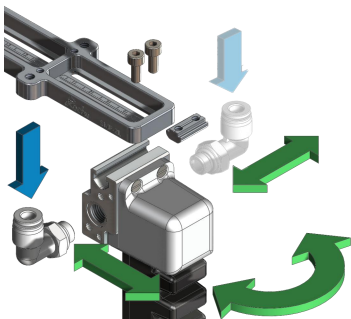
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

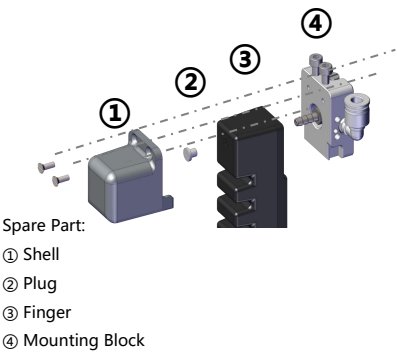


The measuring unit: [mm]

Air Intake & Pose Adjustment

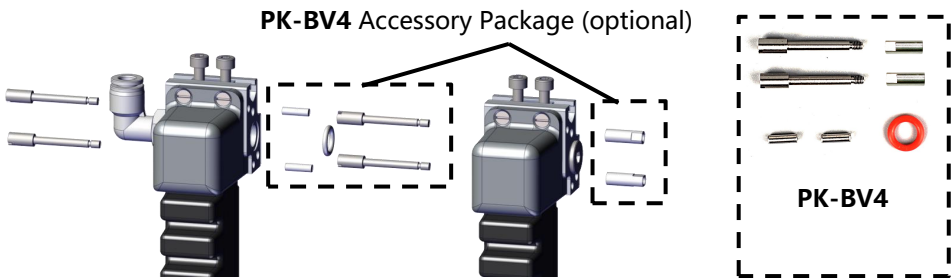


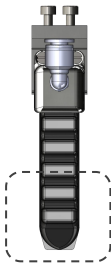
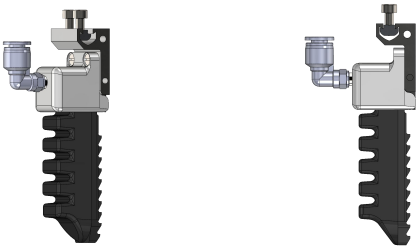
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



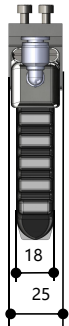
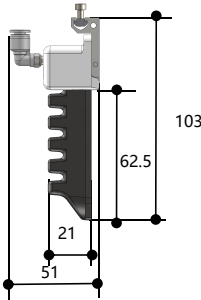
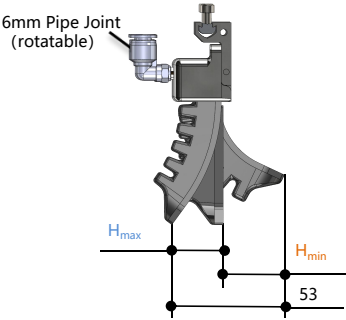


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V5/LS8[P] | | FM-B6V5/LS8[PAS] | | | FM-B6V5/LS8[H] | | FM-B6V5/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 56 | 30 | 17 |  260 |  174 | 56 |

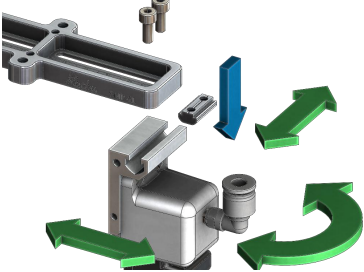
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

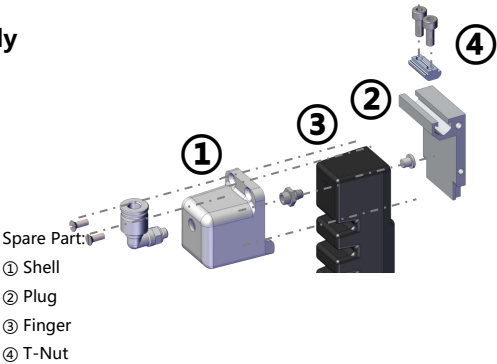


The measuring unit: [mm]

Air Intake & Pose Adjustment

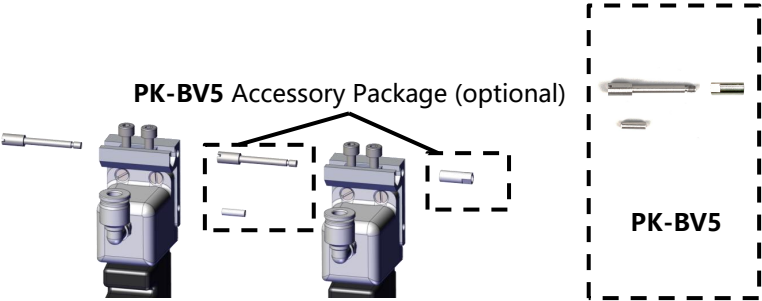


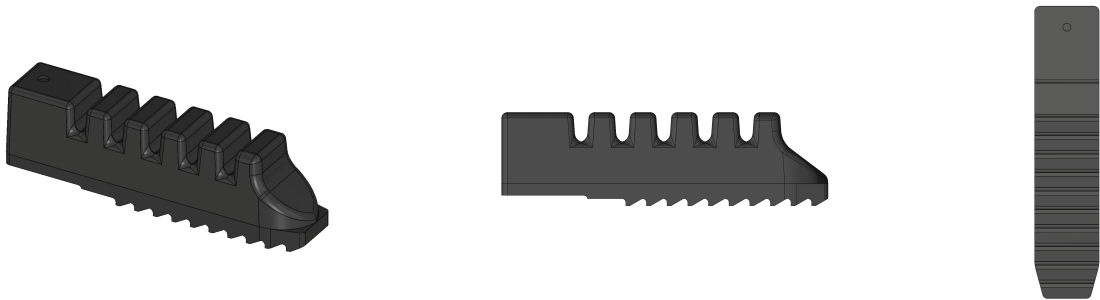
Assembly



Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



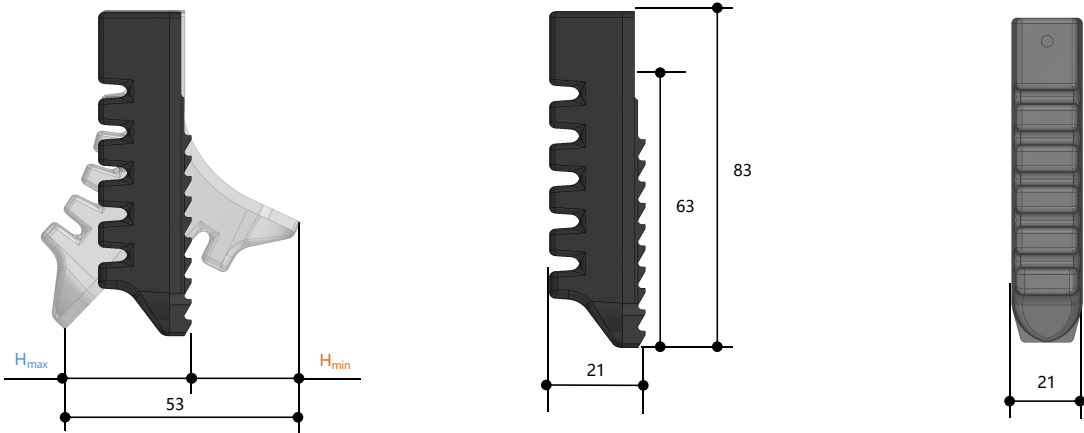


| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---------------------------------|------------|
| LS8 | Special Form | | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. | | | | | | |
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
| F-B6T/LS8[P] | | | F-B6T/LS8[PAS] | | F-B6T/LS8[H] | | | F-B6T/LS8[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 | ⚠️ 120 | 📦 144 | 24 | 30 | 17 | ⚠️ 260 | 📦 174 | 24 |

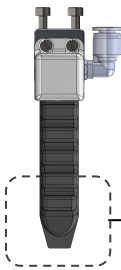
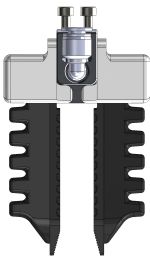
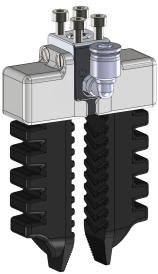
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



Finger Module



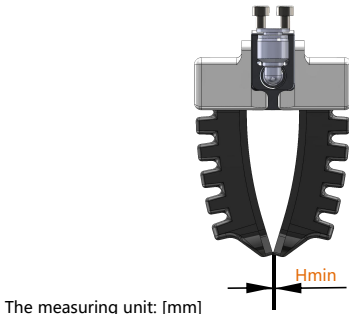
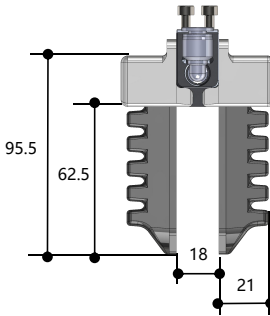
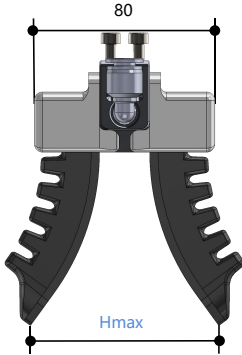
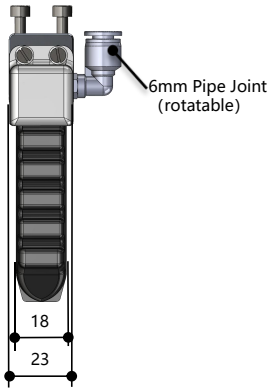
| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B6V1/FS3[P] | | | FM-B6V1/FS3[PAS] | | | FM-B6V1/FS3[H] | | | FM-B6V1/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 0 | 64 |  120 |  288 | 102 | 0 | 52 |  260 |  348 | 102 | | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

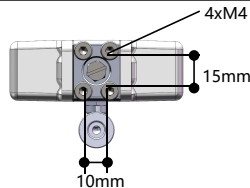
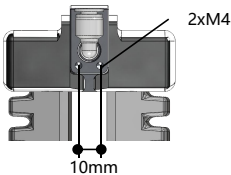
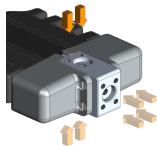
📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

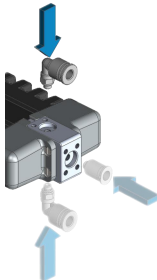


The measuring unit: [mm]

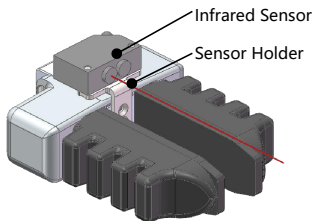
Fixation



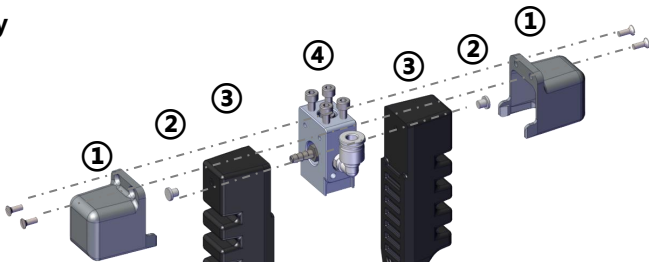
Air Intake



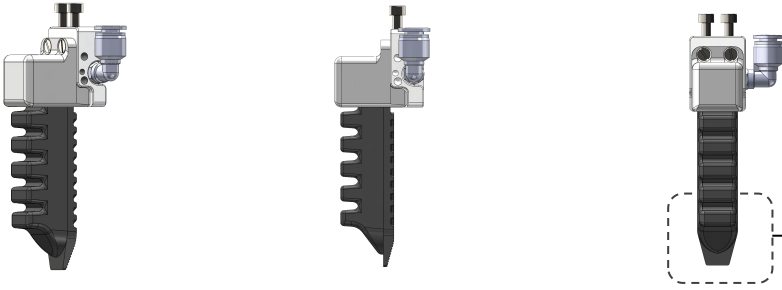
Sensor Installation








Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

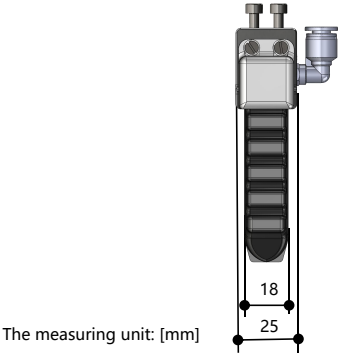
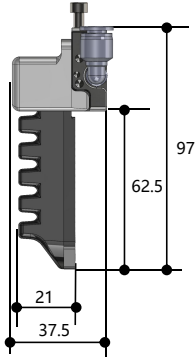
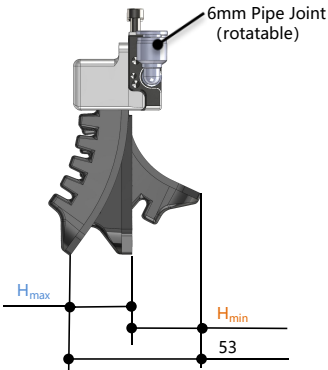


| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

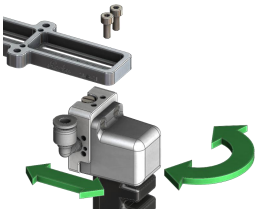
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V2/FS3[P] | | | FM-B6V2/FS3[PAS] | | FM-B6V2/FS3[H] | | | FM-B6V2/FS3[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 64 | 30 | 17 |  260 |  174 | 64 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

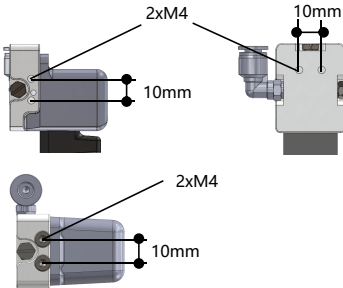
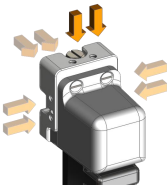
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



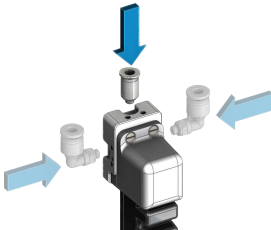
Pose Adjustment



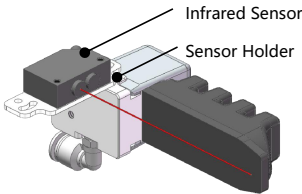
Fixation



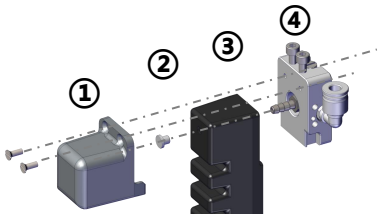
Air Intake



Sensor Installation

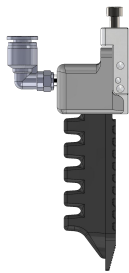
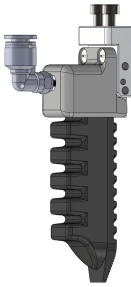


Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



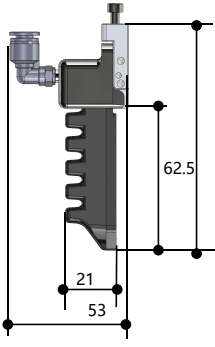
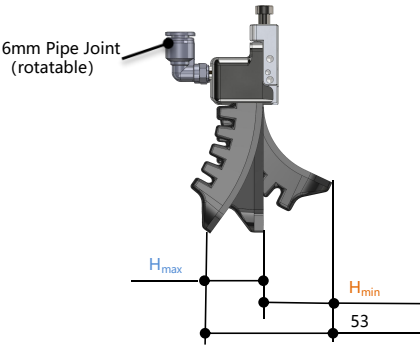
| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------------------|--|--|
| FM-B6V3/FS3[P] | | | FM-B6V3/FS3[PAS] | | | FM-B6V3/FS3[H] | | | FM-B6V3/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 30 | 23 |  120 |  144 | 55 | 30 | 17 |  260 |  174 | 55 | | |

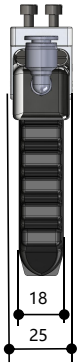
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

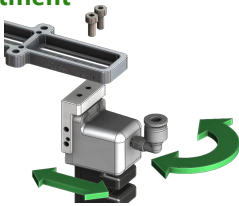
Finger Module



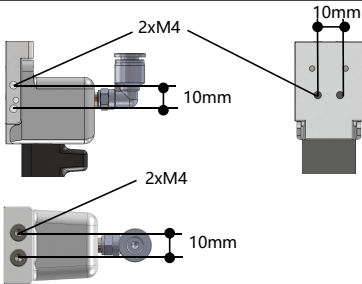
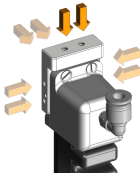
The measuring unit: [mm]



Pose Adjustment



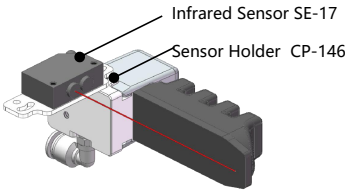
Fixation



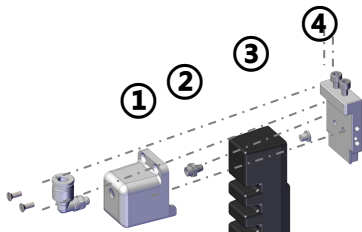
Air Intake



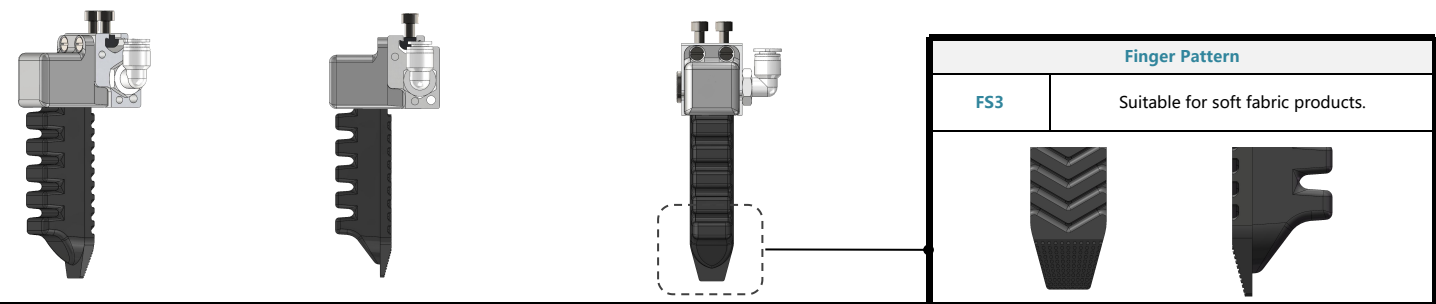
Sensor Installation




Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

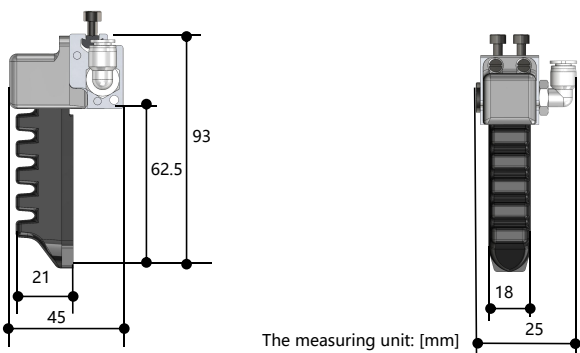
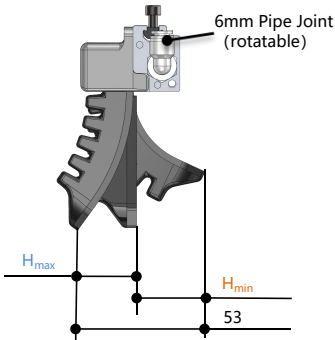


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

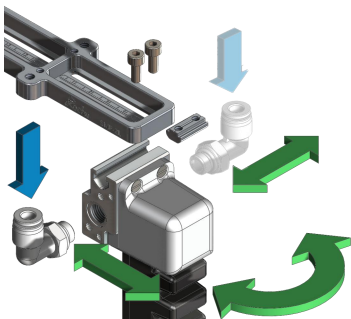
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B6V4/FS3[P] | | | FM-B6V4/FS3[PAS] | | FM-B6V4/FS3[H] | | | FM-B6V4/FS3[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 30 | 23 |  120 |  144 | 73 | 30 | 17 |  260 |  174 | 73 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

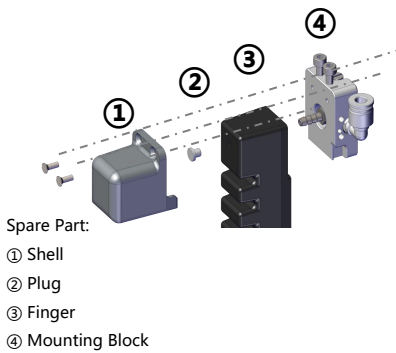
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

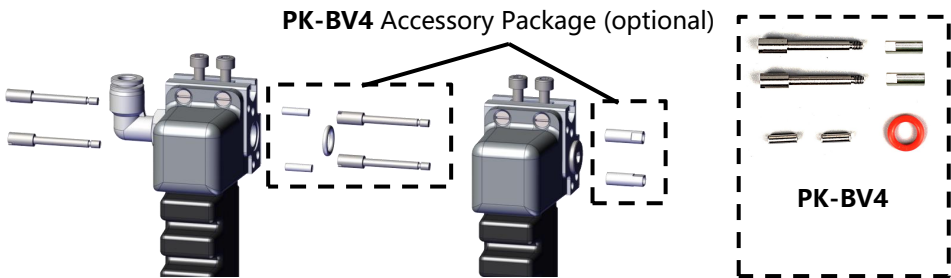


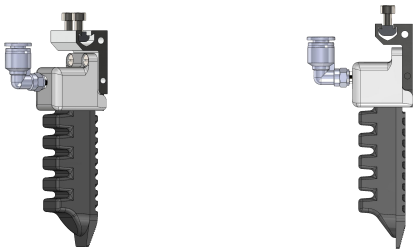
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



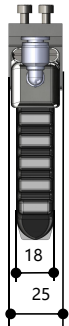
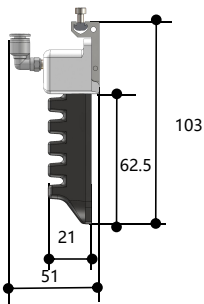
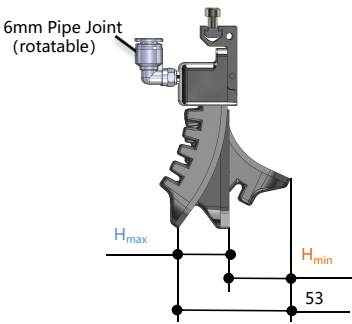


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B6V5/FS3[P] | | | FM-B6V5/FS3[PAS] | | | FM-B6V5/FS3[H] | | | FM-B6V5/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 30 | 23 |  120 |  144 | 56 | 30 | 17 |  260 |  174 | 56 | | |

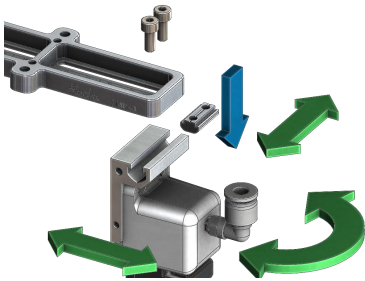
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

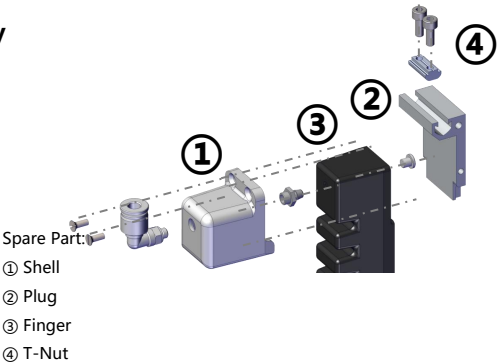


The measuring unit: [mm]

Air Intake & Pose Adjustment

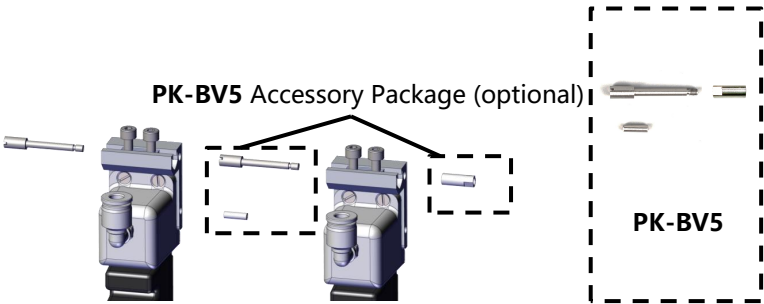


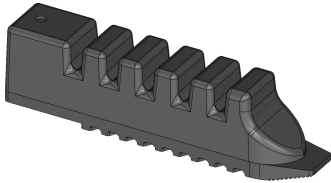
Assembly



Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



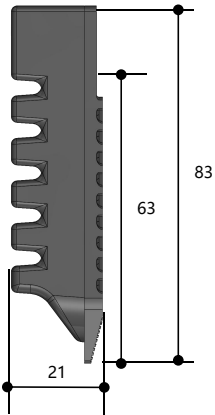
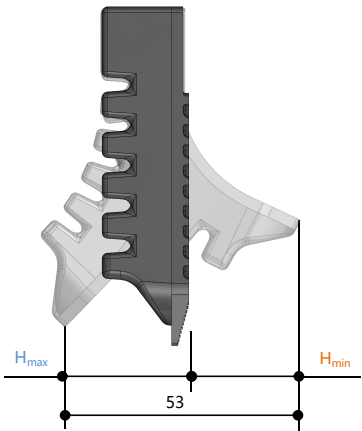


| Finger Pattern | | Features | | | | | | | | |
|---|---|------------------------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|------------|--|
| FS3 | Special Form | Suitable for soft fabric products. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-B6T/FS3[P] | | F-B6T/FS3[PAS] | | | F-B6T/FS3[H] | | | F-B6T/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 30 | 23 | ⚠️ 120 | 📦 144 | 24 | 30 | 17 | ⚠️ 260 | 📦 174 | 24 | |

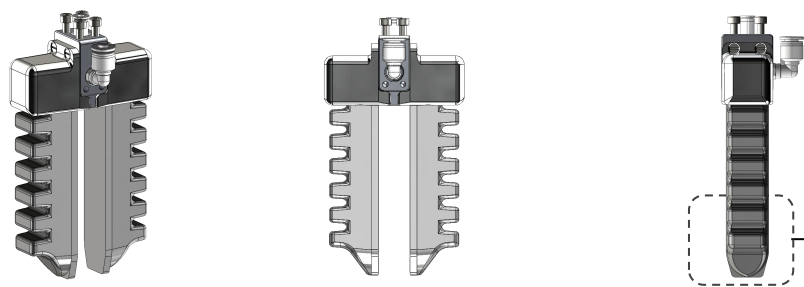
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.


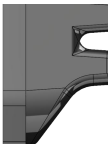
📦 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



Finger Module



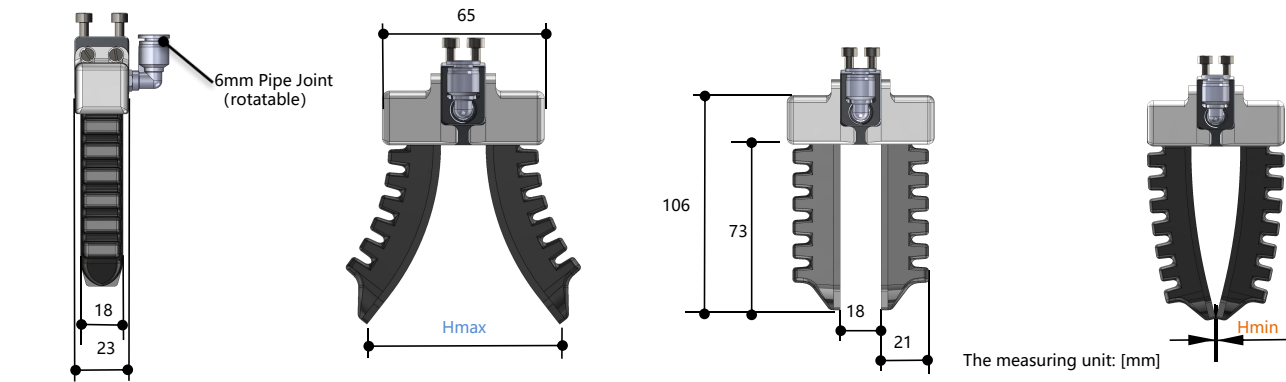
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-B7V1/LS1[P] | | FM-B7V1/LS1[PAS] | | | FM-B7V1/LS1[H] | | FM-B7V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 78 | ⚠️ 120 | 📏 158 | 110 | 0 | 60 | ⚠️ 260 | 📏 276 | 110 |

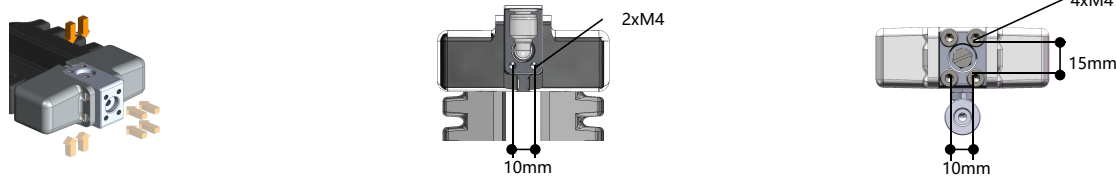
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

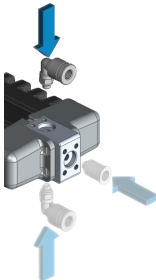
Finger Module



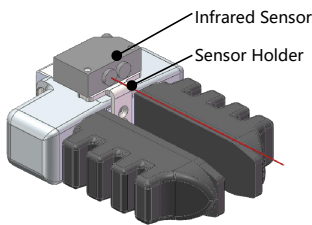
Fixation



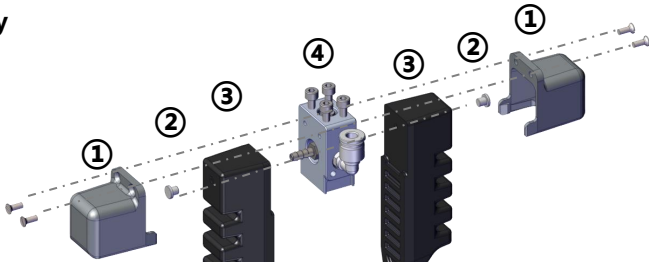
Air Intake



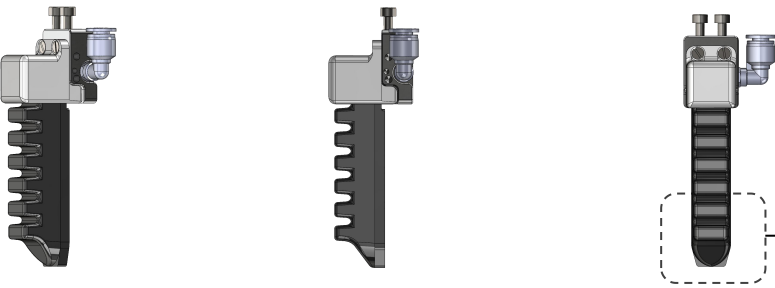
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

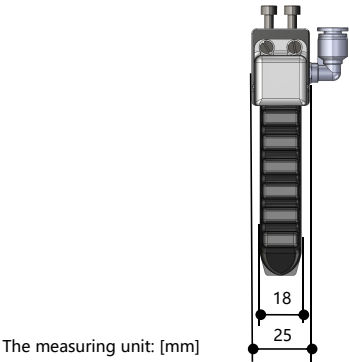
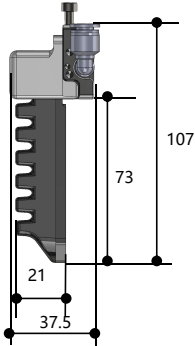
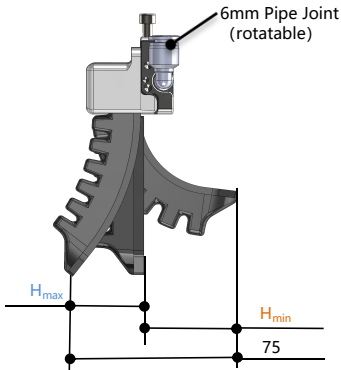


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|---|------------|
| FM-B7V2/LS1[P] | | FM-B7V2/LS1[PAS] | | | FM-B7V2/LS1[H] | | FM-B7V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 45 | 30 |  120 |  79 | 68 | 45 | 21 |  260 |  138 | 68 |

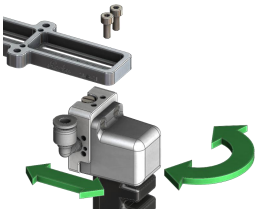
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

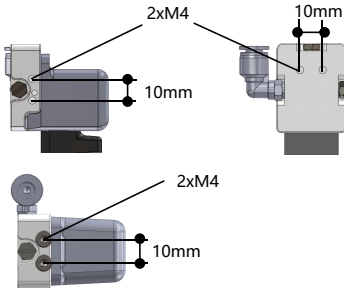
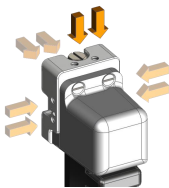


The measuring unit: [mm]

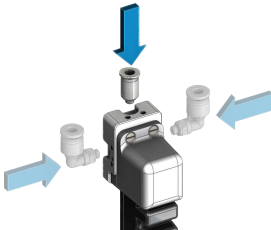
Pose Adjustment



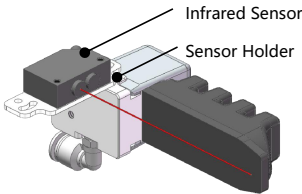
Fixation



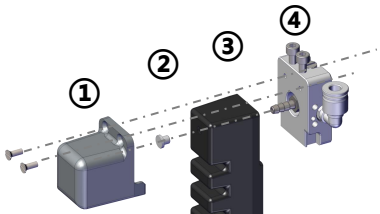
Air Intake



Sensor Installation

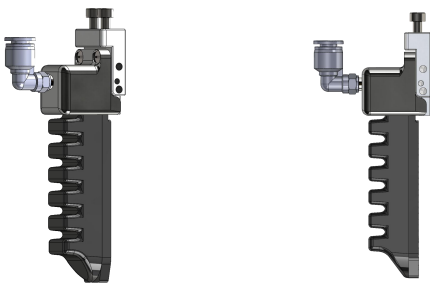


Assembly





- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



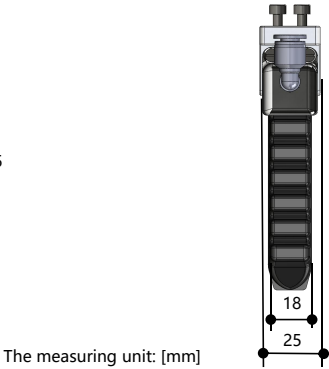
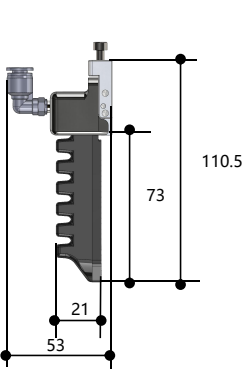
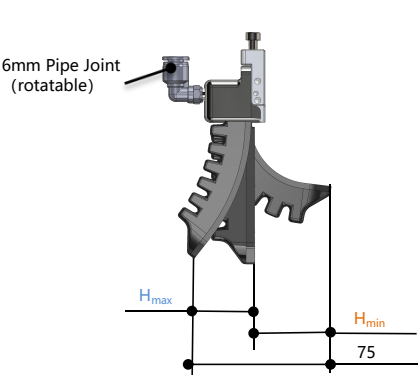
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|---|---------------------------|--|--|
| FM-B7V3/LS1[P] | | | FM-B7V3/LS1[PAS] | | | FM-B7V3/LS1[H] | | | FM-B7V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 45 | 30 |  120 |  79 | 105 | 45 | 21 |  260 |  138 | 105 | | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

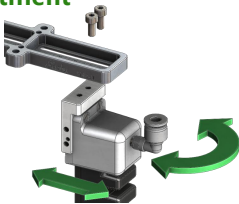
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

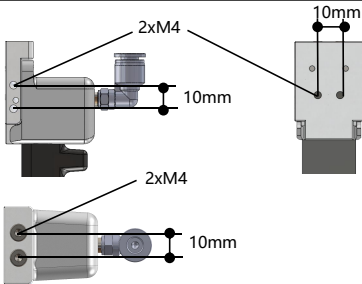
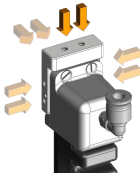


The measuring unit: [mm]

Pose Adjustment



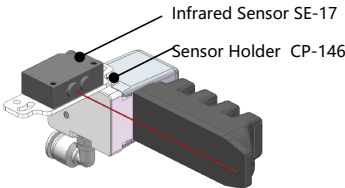
Fixation



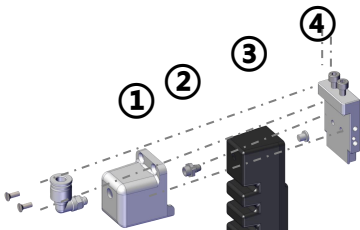
Air Intake



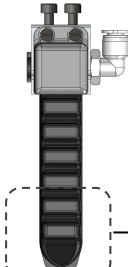
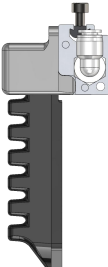
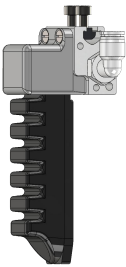
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

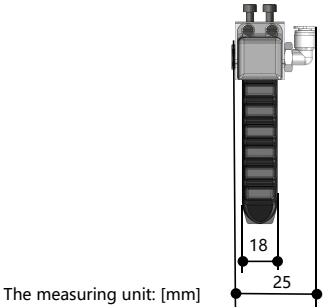
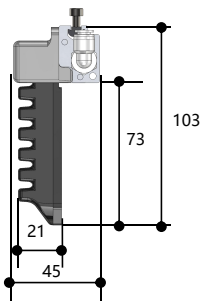
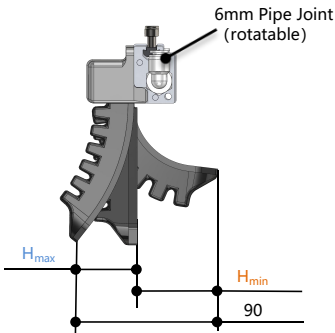


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|---|---------------------------|--|--|
| FM-B7V4/LS1[P] | | | FM-B7V4/LS1[PAS] | | | FM-B7V4/LS1[H] | | | FM-B7V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 45 | 30 |  120 |  79 | 77 | 45 | 21 |  260 |  138 | 77 | | |

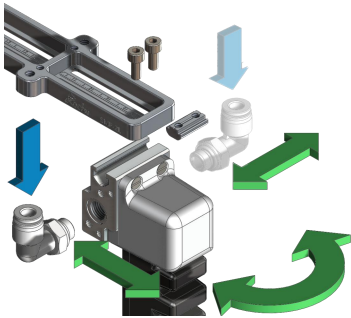
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

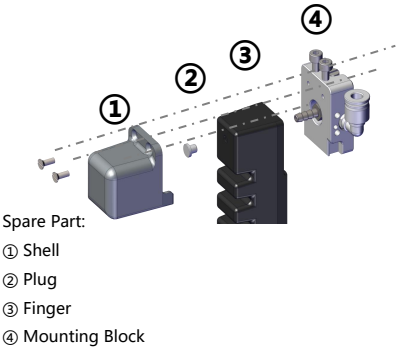


The measuring unit: [mm]

Air Intake & Pose Adjustment



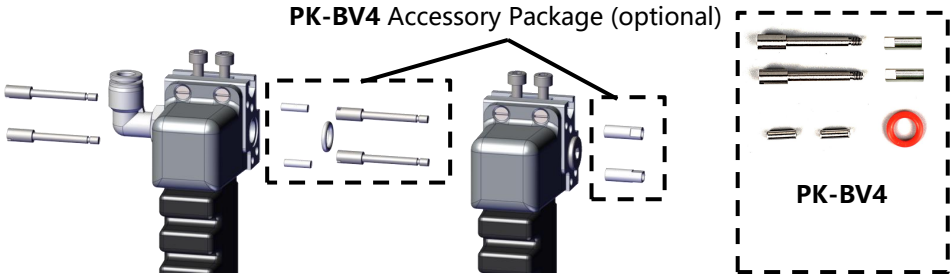
Assembly

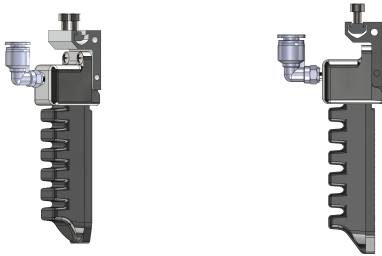


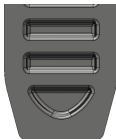

- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block


Series combination:


- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




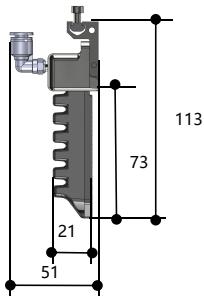
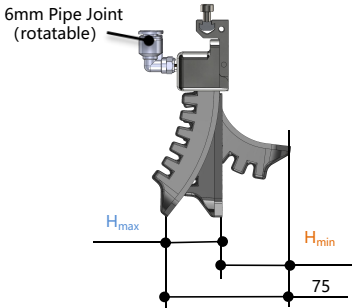


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

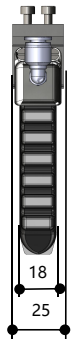
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|--|------------|---|---|---|---|------------|
| FM-B7V5/LS1[P] | | | FM-B7V5/LS1[PAS] | | FM-B7V5/LS1[H] | | | FM-B7V5/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 45 | 30 |  120 |  79 | 60 | 45 | 21 |  260 |  138 | 60 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

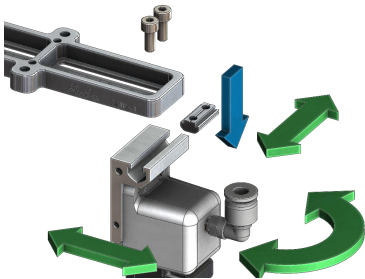
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



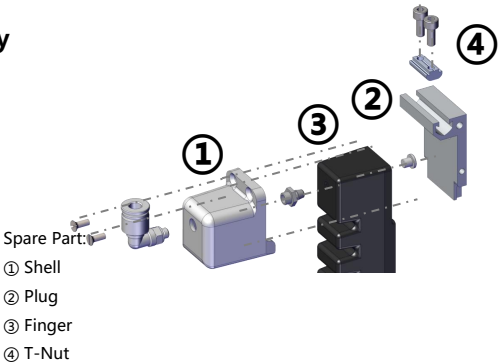
The measuring unit: [mm]



Air Intake & Pose Adjustment

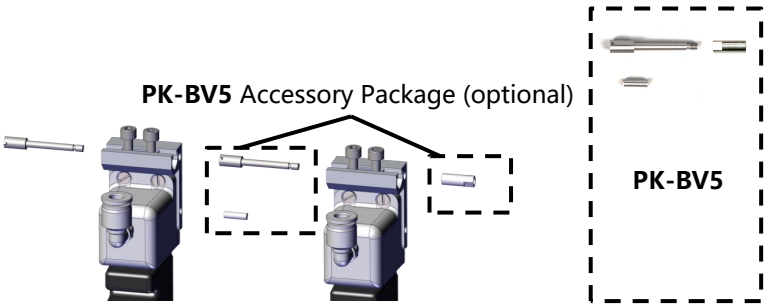


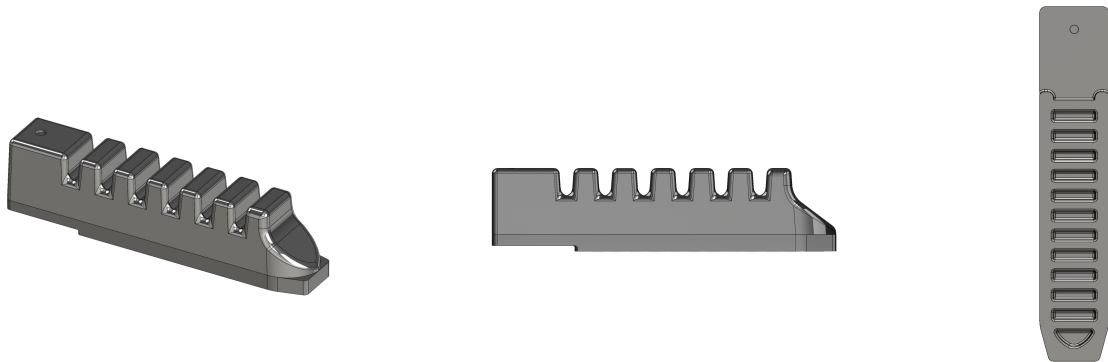
Assembly



Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



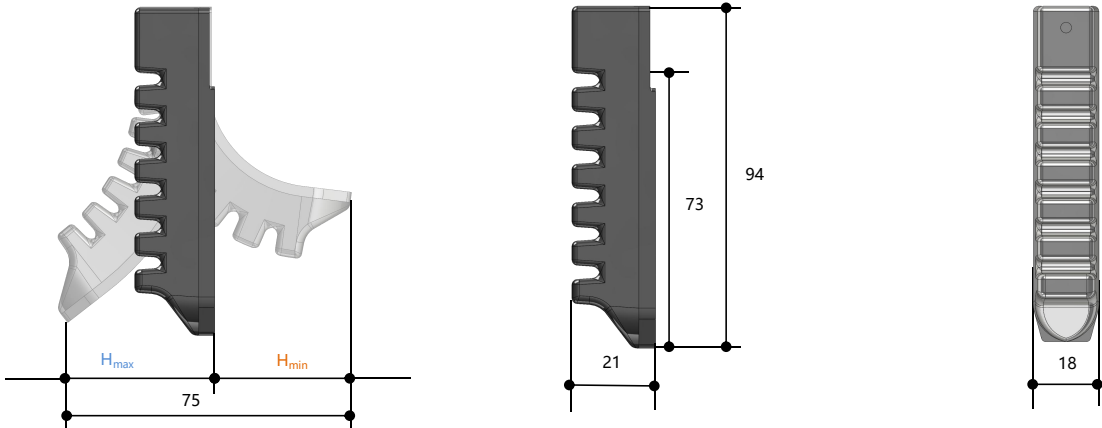


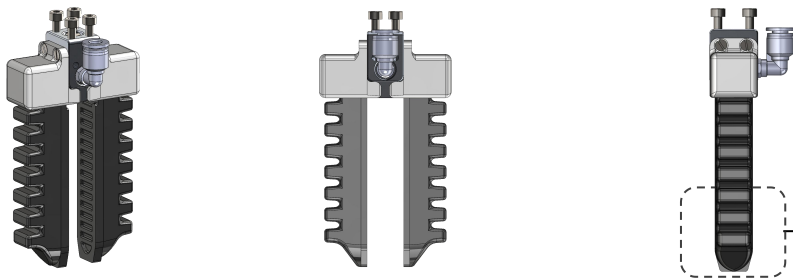
| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---------------------------------|------------|---|---|---------------------|---------------------------------|------------|--|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-B7T/LS1[P] | | F-B7T/LS1[PAS] | | | F-B7T/LS1[H] | | | F-B7T/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 45 | 30 | ⚠️ 120 | 📦 79 | 28 | 45 | 21 | ⚠️ 260 | 📦 138 | 28 | |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





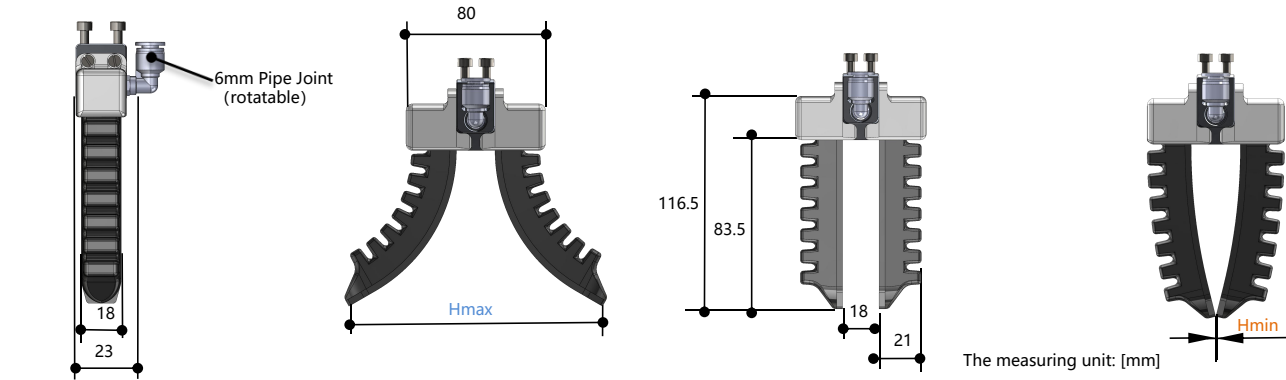
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-B8V1/LS1[P] | | FM-B8V1/LS1[PAS] | | | FM-B8V1/LS1[H] | | FM-B8V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 92 | ⚠️ 120 | 📏 216 | 118 | 0 | 68 | ⚠️ 260 | 📏 288 | 118 |

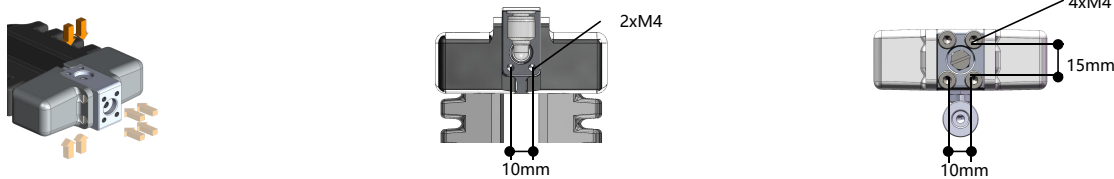
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

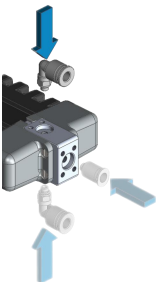
Finger Module



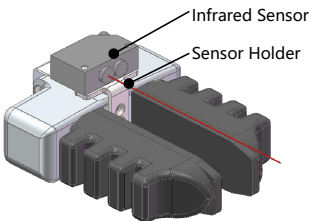
Fixation



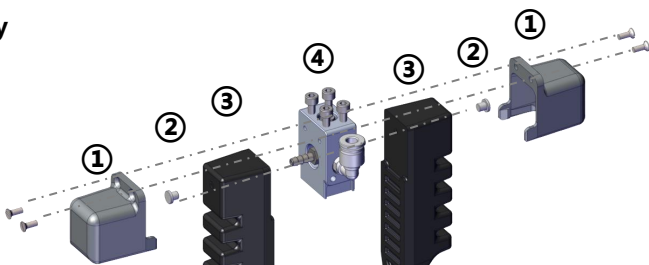
Air Intake



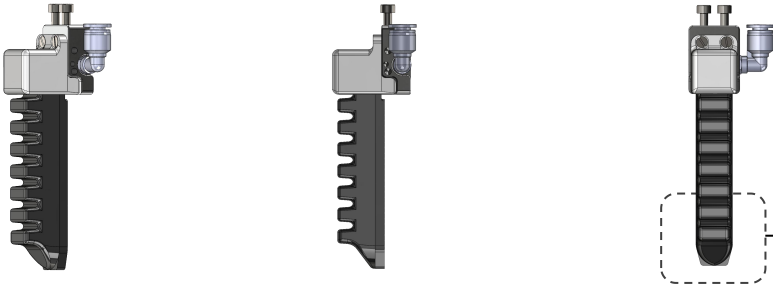
Sensor Installation





Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

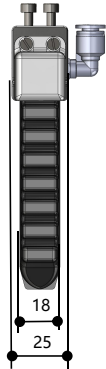
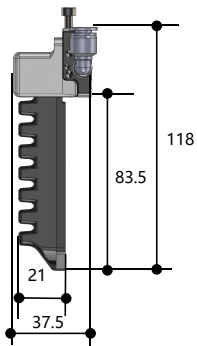
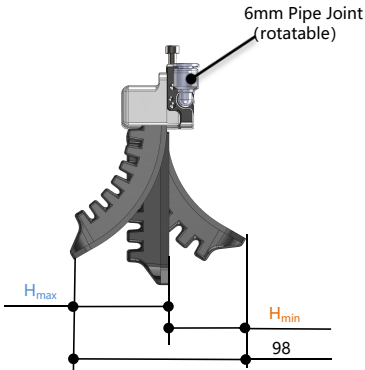


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---|------------|---|---|---------------------------|---|------------|
| FM-B8V2/LS1[P] | | FM-B8V2/LS1[PAS] | | | FM-B8V2/LS1[H] | | FM-B8V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 | ⚠ 120 |  108 | 72 | 61 | 25 | ⚠ 260 |  144 | 72 |

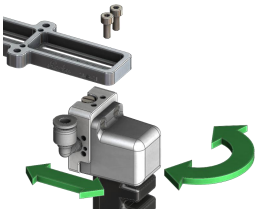
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

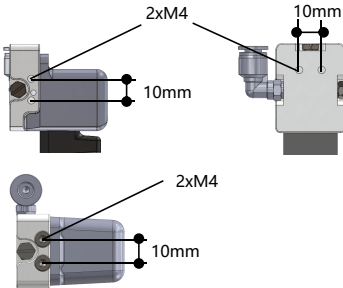
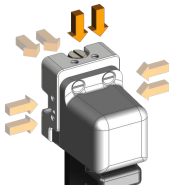


The measuring unit: [mm]

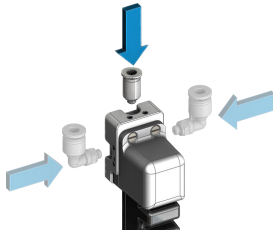
Pose Adjustment



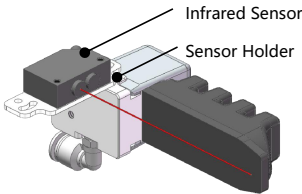
Fixation



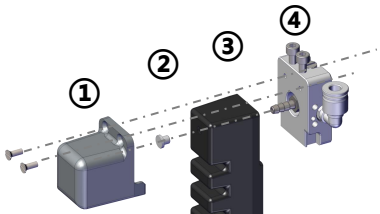
Air Intake



Sensor Installation

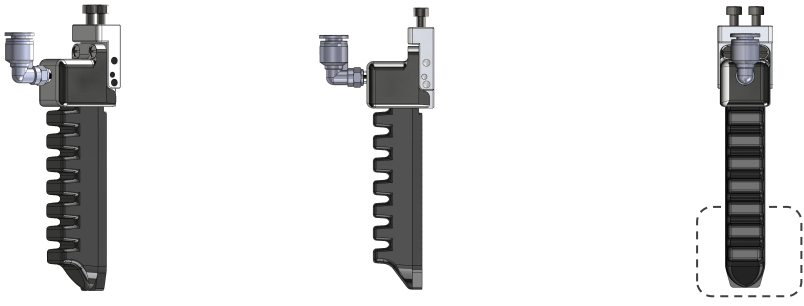



Assembly







- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



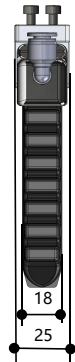
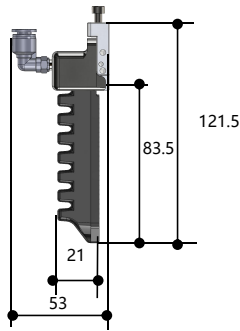
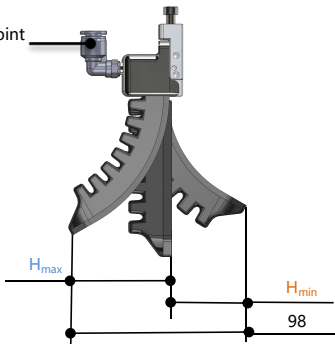
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B8V3/LS1[P] | | FM-B8V3/LS1[PAS] | | | FM-B8V3/LS1[H] | | FM-B8V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 |  120 |  108 | 63 | 61 | 25 |  260 |  144 | 63 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint (rotatable)

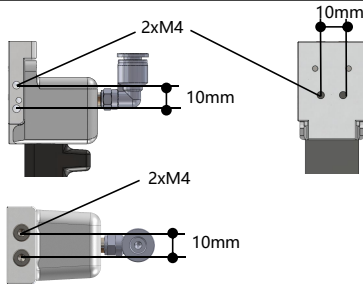
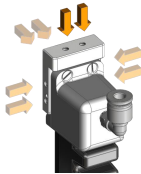


The measuring unit: [mm]

Pose Adjustment



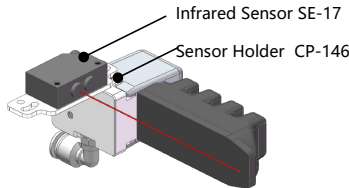
Fixation



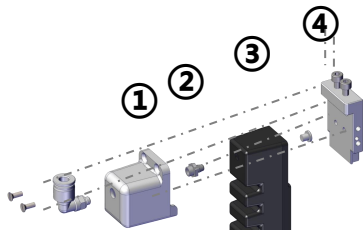
Air Intake



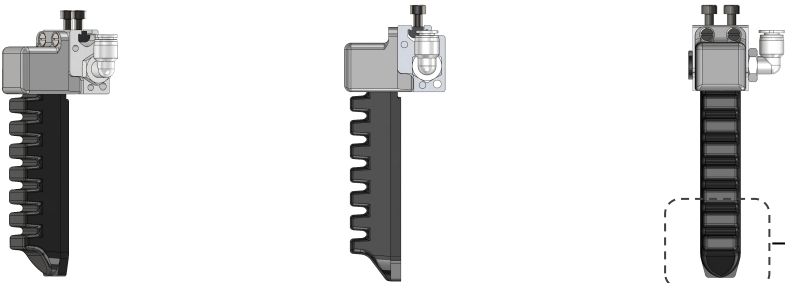
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

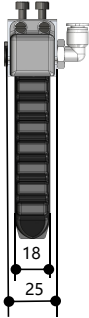
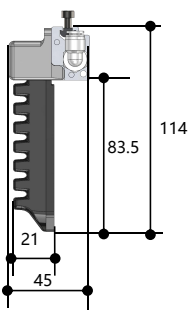
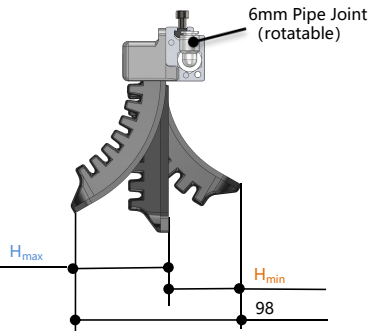


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B8V4/LS1[P] | | FM-B8V4/LS1[PAS] | | | FM-B8V4/LS1[H] | | FM-B8V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 |  120 |  108 | 81 | 61 | 25 |  260 |  144 | 81 |

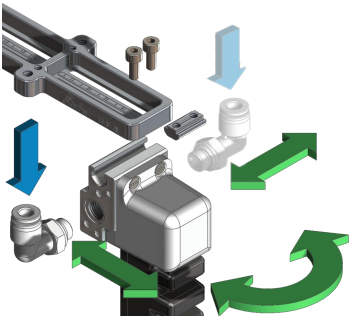
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

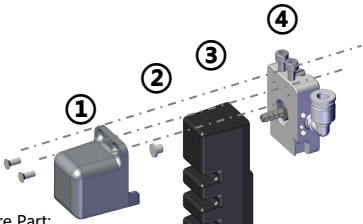


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

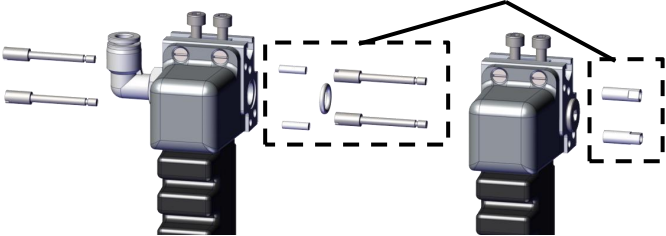


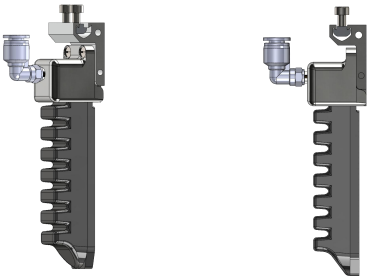
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Series combination:





- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

PK-BV4 Accessory Package (optional)





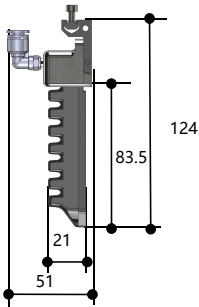
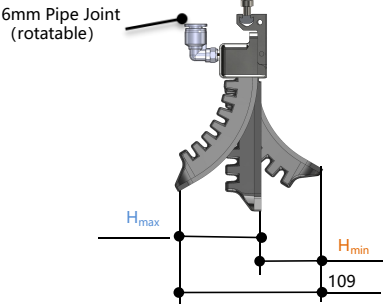
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B8V5/LS1[P] | | FM-B8V5/LS1[PAS] | | | FM-B8V5/LS1[H] | | FM-B8V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 |  120 |  108 | 64 | 61 | 25 |  260 |  144 | 64 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

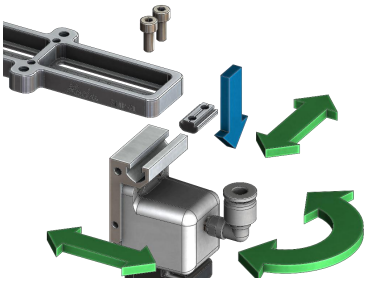
Finger Module



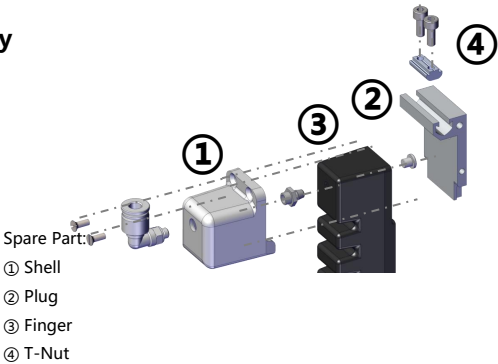
The measuring unit: [mm]



Air Intake & Pose Adjustment

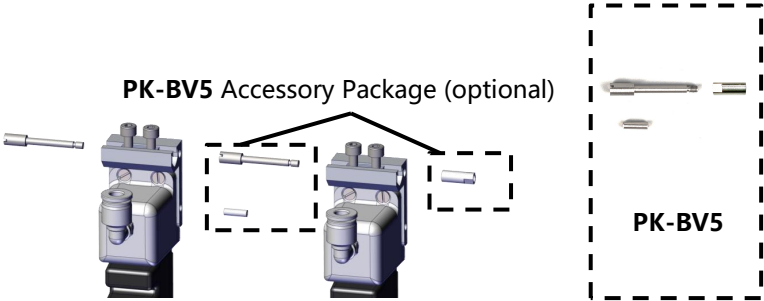


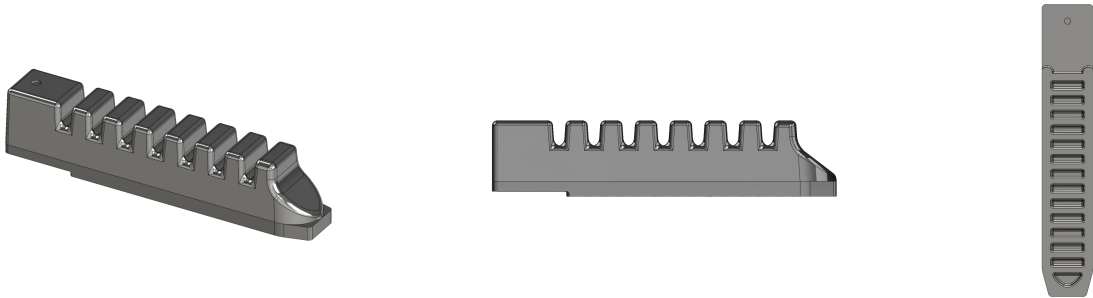
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



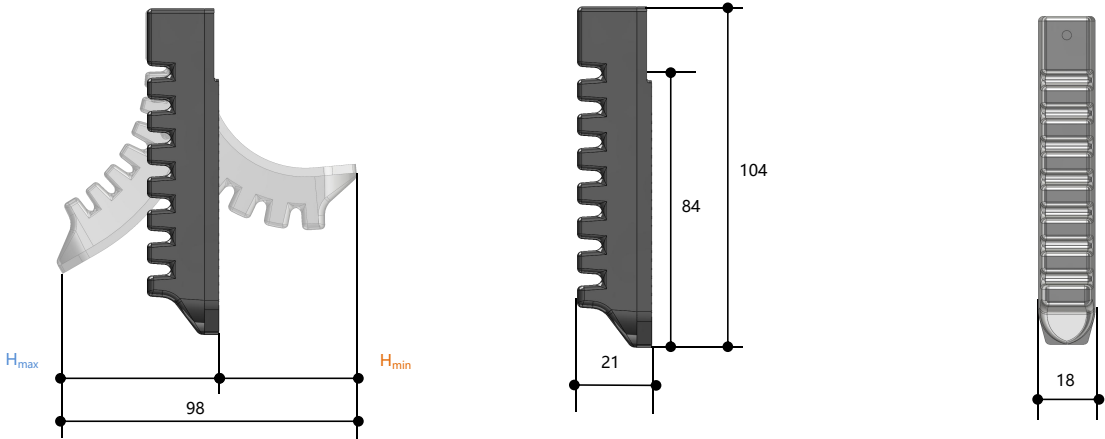


| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|---|------------|--|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-B8T/LS1[P] | | F-B8T/LS1[PAS] | | | F-B8T/LS1[H] | | | F-B8T/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 61 | 37 | ⚠ 120 |  108 | 32 | 61 | 25 | ⚠ 260 |  144 | 32 | |

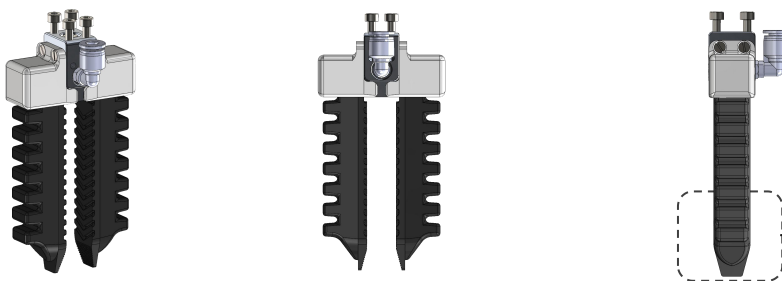
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters



Finger Module



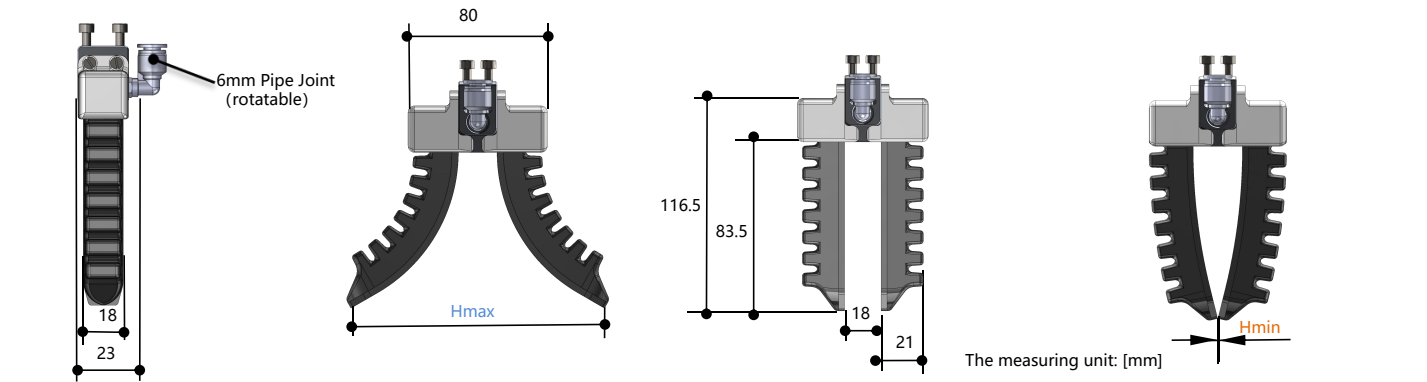
| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|---|------------|
| FM-B8V1/FS3[P] | | FM-B8V1/FS3[PAS] | | FM-B8V1/FS3[H] | | FM-B8V1/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 92 | ⚠ 120 |  216 | 118 | 0 | 68 | ⚠ 260 |  288 | 118 |

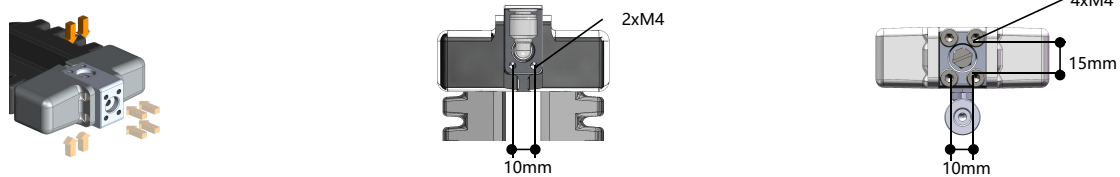
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

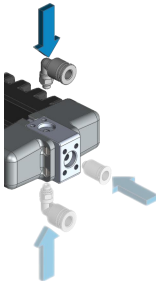
Finger Module



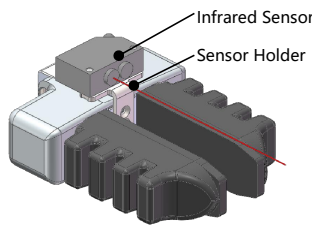
Fixation



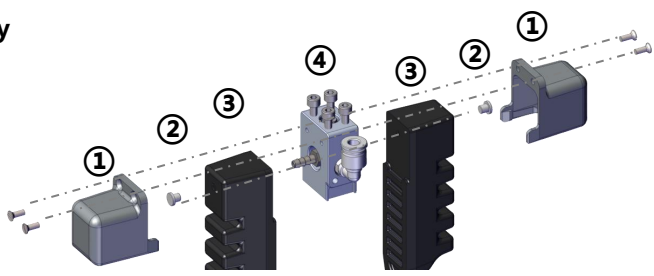
Air Intake



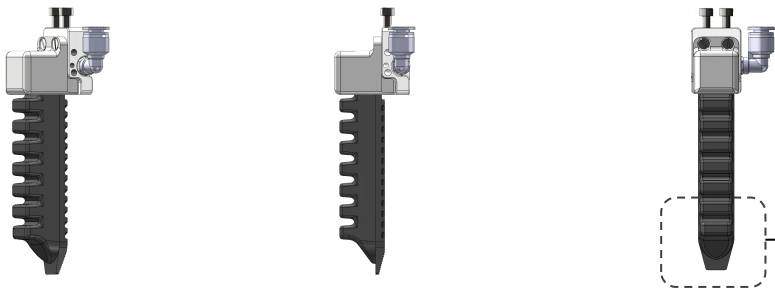
Sensor Installation








Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

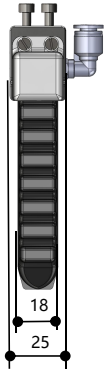
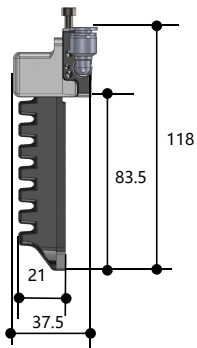
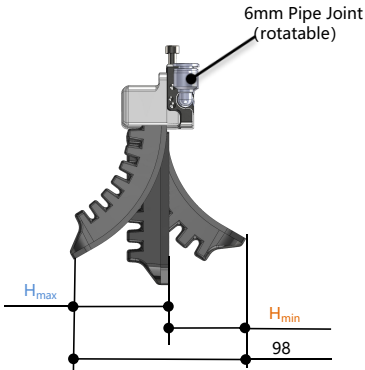
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|---------------------------|--|--|
| FM-B8V2/FS3[P] | | | FM-B8V2/FS3[PAS] | | | FM-B8V2/FS3[H] | | | FM-B8V2/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 61 | 37 |  120 |  108 | 72 | 61 | 25 |  260 |  144 | 72 | | |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

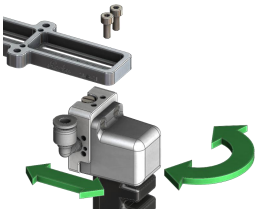


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

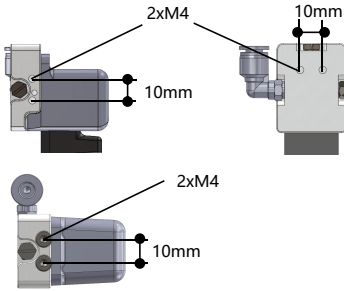
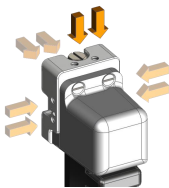


The measuring unit: [mm]

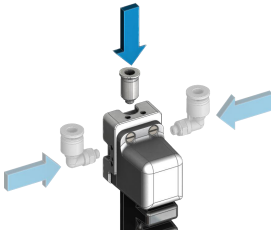
Pose Adjustment



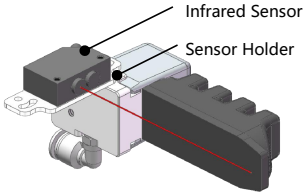
Fixation



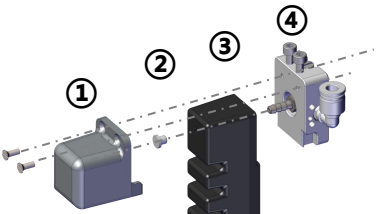
Air Intake



Sensor Installation

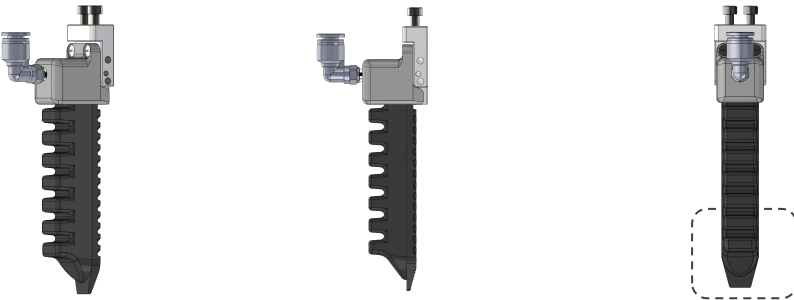




Assembly





- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



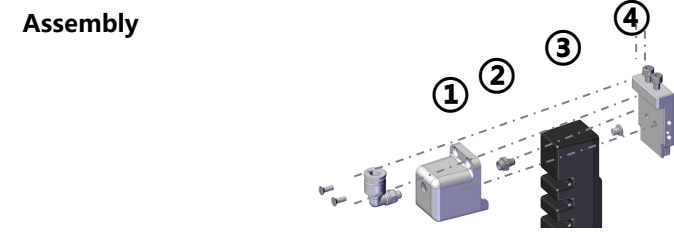
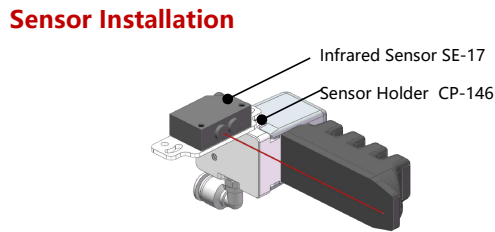
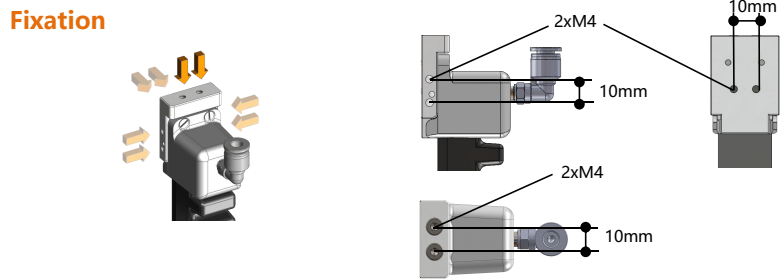
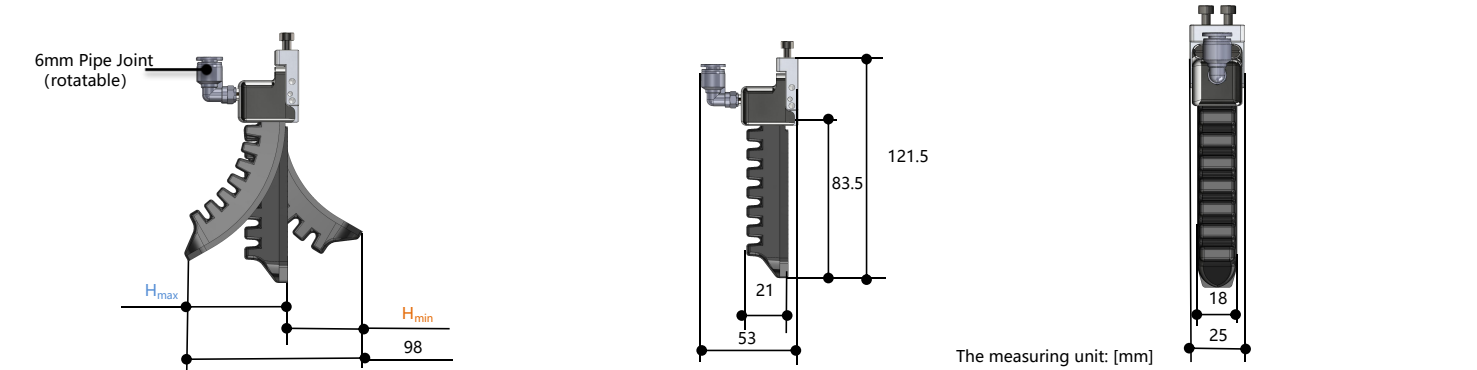
| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| | | | | | | | | | |
|---|---|---|---|-----------------------------------|---|---|------------------------|---|---------------|
| Normal Material FM-B8V3/FS3[P] | | Dust-free Normal Material FM-B8V3/FS3[PAS] | | Strong Material FM-B8V3/FS3[H] | | Dust-free Strong Material FM-B8V3/FS3[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 | ⚠ 120 |  108 | 63 | 61 | 25 | ⚠ 260 |  144 | 63 |

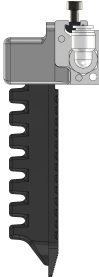
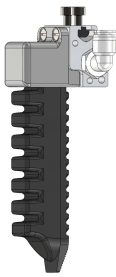
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Finger Module



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

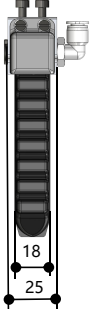
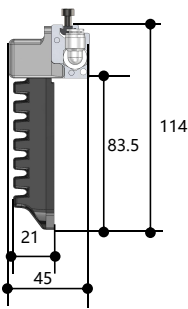
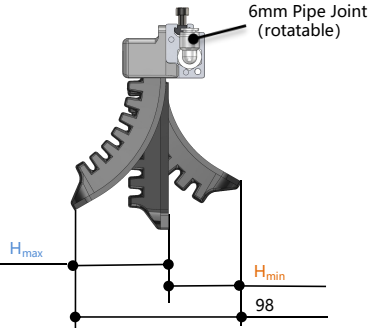


| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|---------------------------|--|--|
| FM-B8V4/FS3[P] | | | FM-B8V4/FS3[PAS] | | | FM-B8V4/FS3[H] | | | FM-B8V4/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 61 | 37 | ⚠ 120 |  108 | 81 | 61 | 25 | ⚠ 260 |  144 | 81 | | |

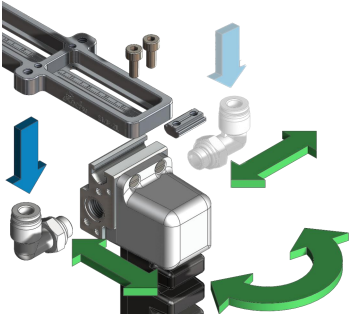
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

⚖ The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

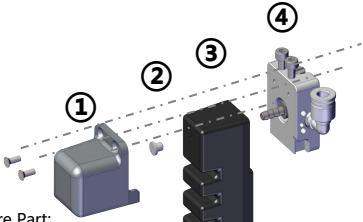


The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

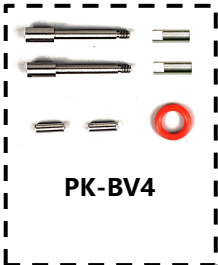
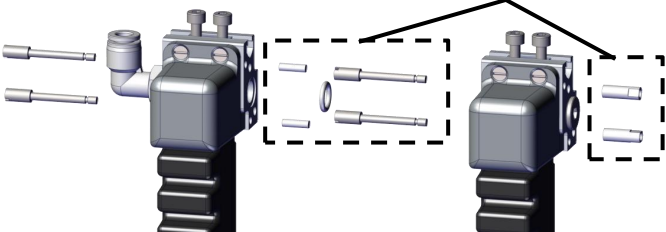


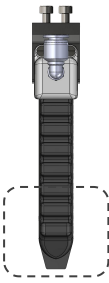
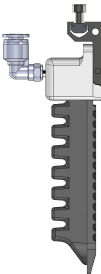
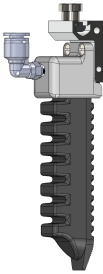
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Series combination:

- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

PK-BV4 Accessory Package (optional)





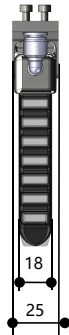
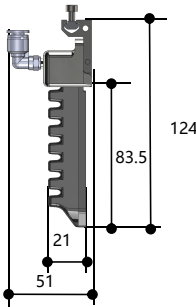
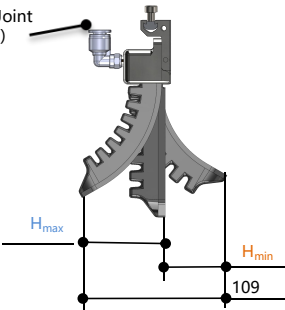
| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|---------------------------|--|--|
| FM-B8V5/FS3[P] | | | FM-B8V5/FS3[PAS] | | | FM-B8V5/FS3[H] | | | FM-B8V5/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 61 | 37 | ⚠ 120 |  108 | 64 | 61 | 25 | ⚠ 260 |  144 | 64 | | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

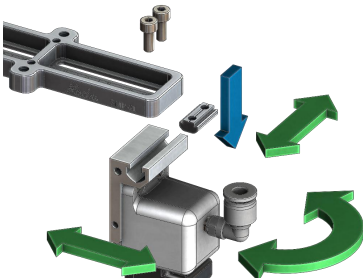
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

6mm Pipe Joint
(rotatable)

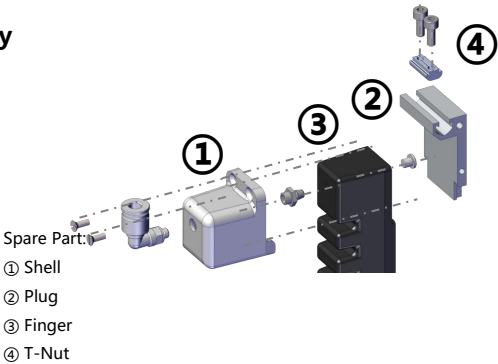


The measuring unit: [mm]

Air Intake & Pose Adjustment

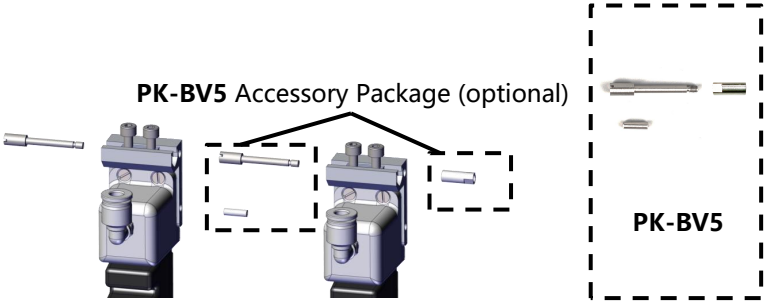


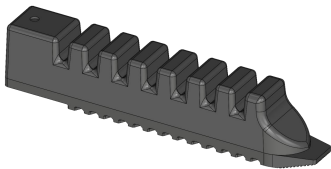
Assembly



Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | Features | | | | | | | | |
|---|---|------------------------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|------------|--|
| FS3 | Special Form | Suitable for soft fabric products. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-B8T/FS3[P] | | F-B8T/FS3[PAS] | | | F-B8T/FS3[H] | | | F-B8T/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 61 | 37 | ⚠ 120 | 📦 108 | 32 | 61 | 25 | ⚠ 260 | 📦 144 | 32 | |

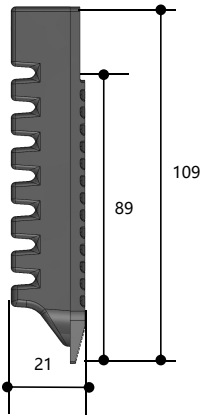
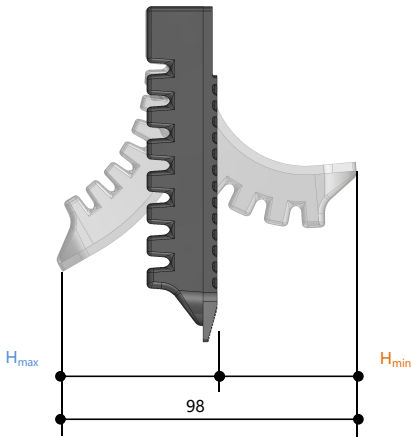


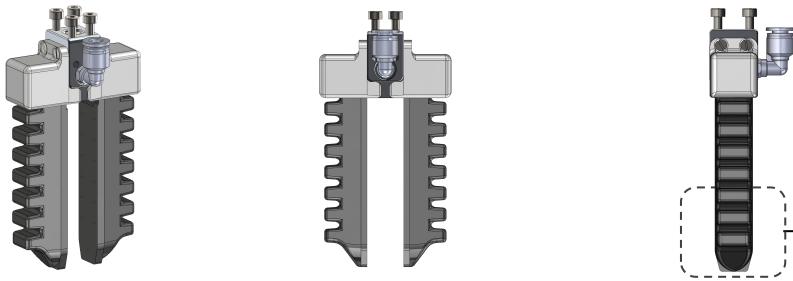
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





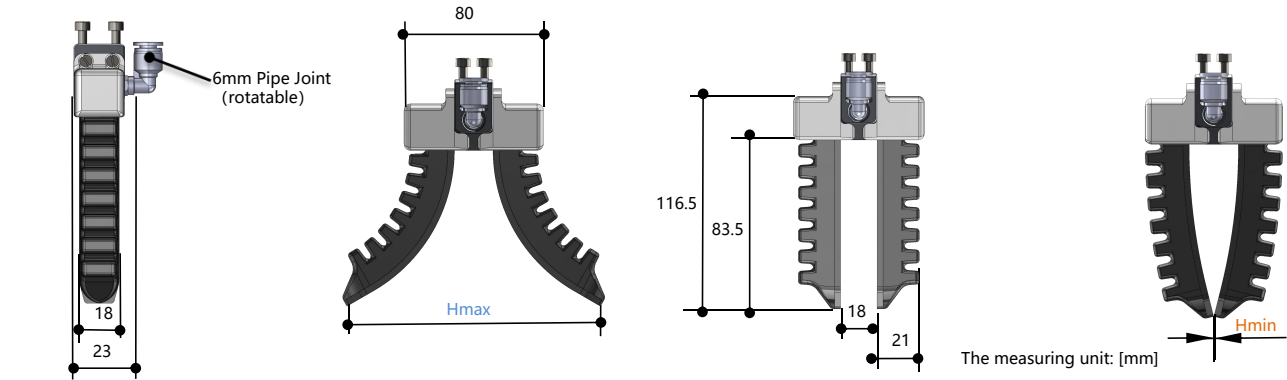
| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|---------------------------|--|--|
| FM-B8V1/LF1[P] | | | FM-B8V1/LF1[PAS] | | | FM-B8V1/LF1[H] | | | FM-B8V1/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 0 | 92 | ⚠️ 120 | 📏 216 | 118 | 0 | 68 | ⚠️ 260 | 📏 288 | 118 | | |

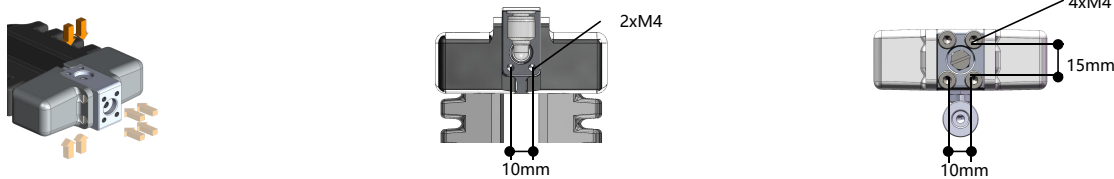
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

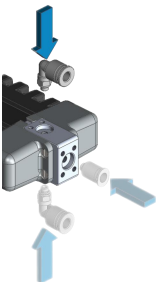
Finger Module



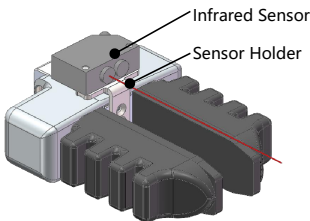
Fixation



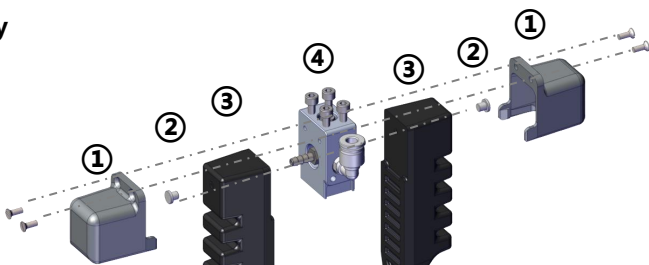
Air Intake



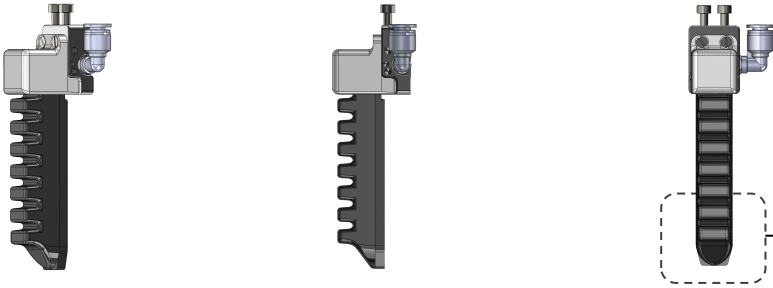
Sensor Installation





Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

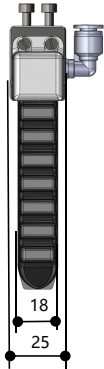
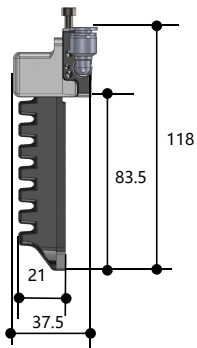
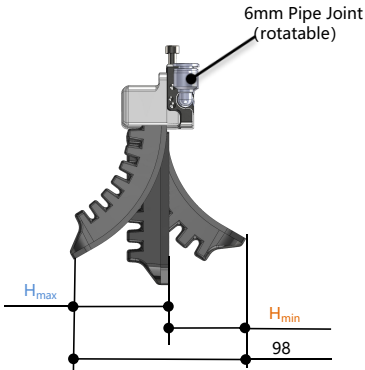


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B8V2/LF1[P] | | FM-B8V2/LF1[PAS] | | | FM-B8V2/LF1[H] | | FM-B8V2/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 |  120 |  108 | 72 | 61 | 25 |  260 |  144 | 72 |

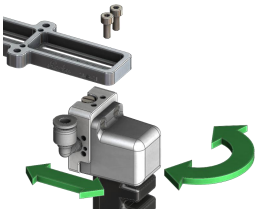
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

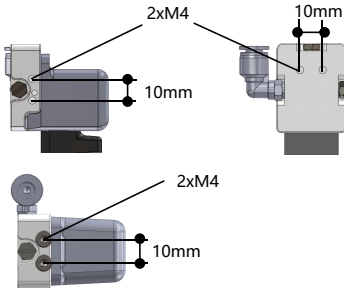
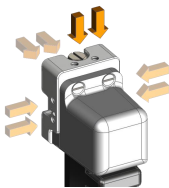


The measuring unit: [mm]

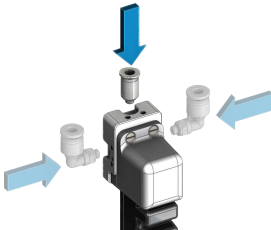
Pose Adjustment



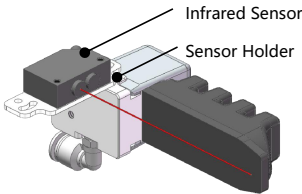
Fixation



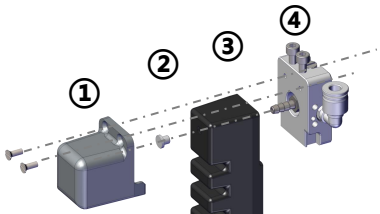
Air Intake



Sensor Installation

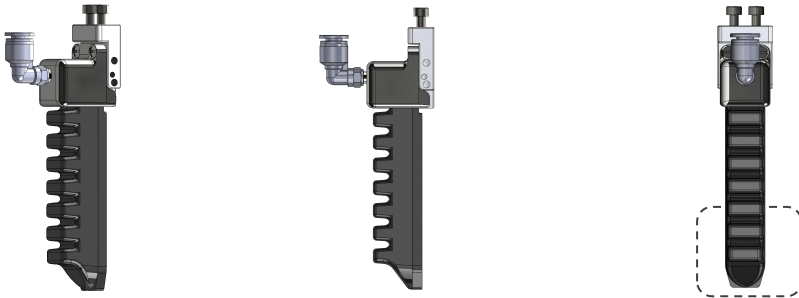



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  | |

| | | | | | | | |
|---|---|---------------------------|------------------------------------|-----------------|---|---|------------------------|
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | |
| FM-B8V3/LF1[P] | | FM-B8V3/LF1[PAS] | | FM-B8V3/LF1[H] | | FM-B8V3/LF1[HAS] | |
| Finger color: Black | | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] |
| 61 | 37 | ⚠ 120 | ⚖ 108 | 63 | 61 | 25 | ⚠ 260 |
| Finger color: Grey | | | | | | | |
| Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] |
| 61 | 25 | ⚠ 260 | ⚖ 144 | 63 | 61 | 25 | ⚠ 260 |

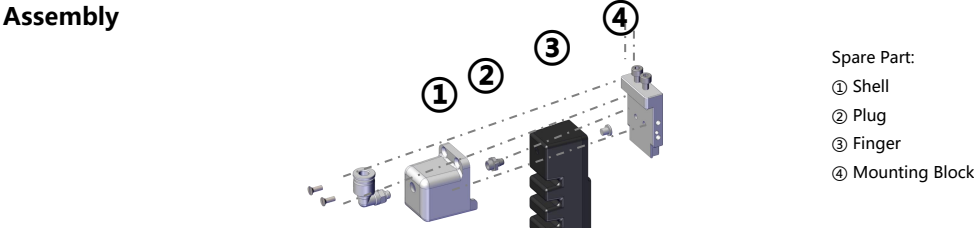
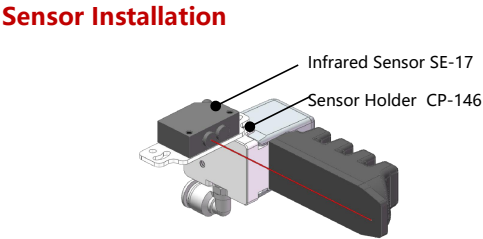
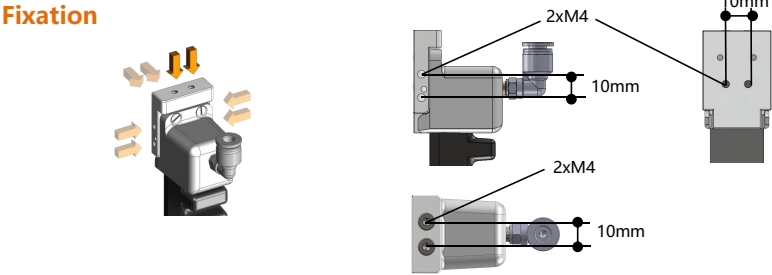
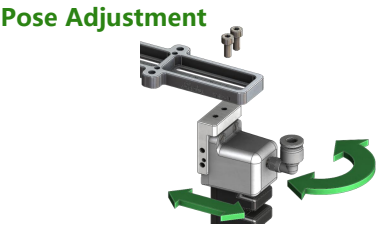
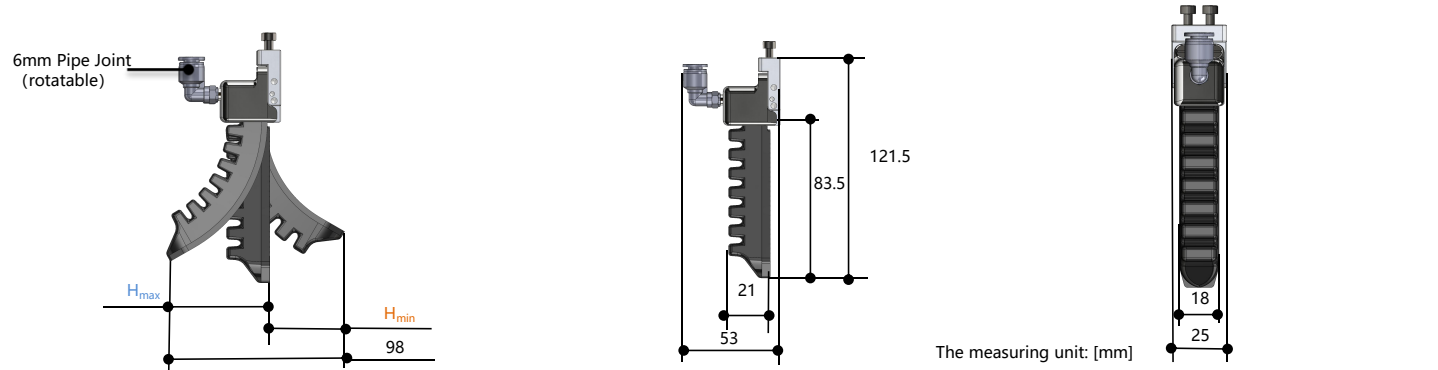


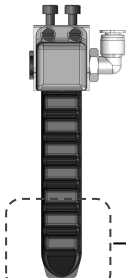
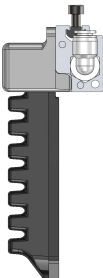
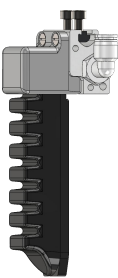
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.







The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Finger Module




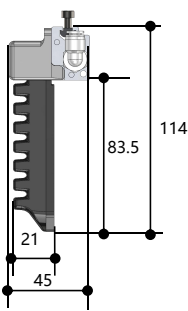
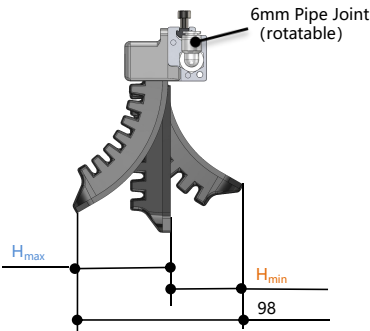


| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

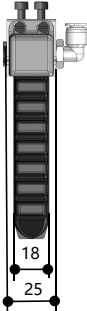
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---|------------|---|---|---------------------------|---|------------|
| FM-B8V4/LF1[P] | | FM-B8V4/LF1[PAS] | | | FM-B8V4/LF1[H] | | FM-B8V4/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 | ⚠ 120 |  108 | 81 | 61 | 25 | ⚠ 260 |  144 | 81 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

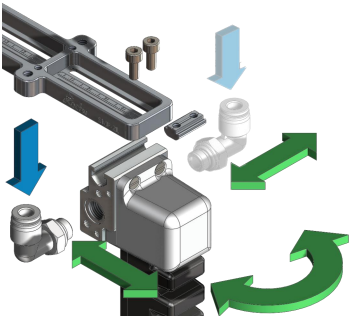
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



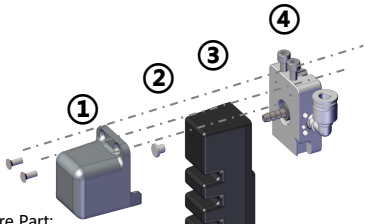
The measuring unit: [mm]



Air Intake & Pose Adjustment



Assembly

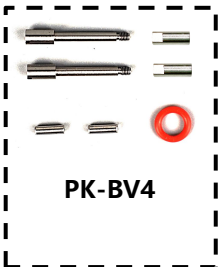
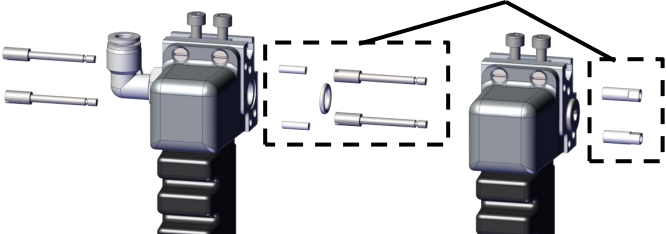


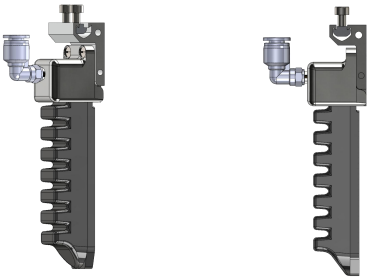
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Series combination:




- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit (PK) containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.

PK-BV4 Accessory Package (optional)





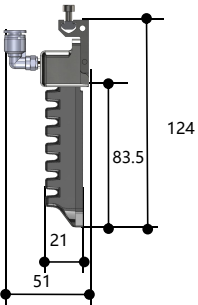
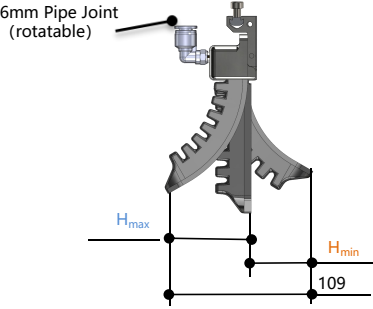
| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-B8V5/LF1[P] | | FM-B8V5/LF1[PAS] | | | FM-B8V5/LF1[H] | | FM-B8V5/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 |  120 |  108 | 64 | 61 | 25 |  260 |  144 | 64 |

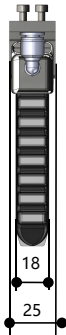
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

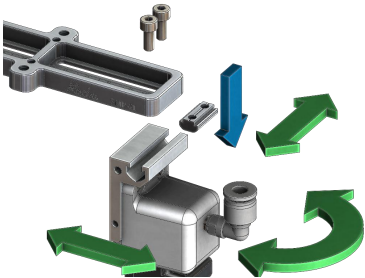
Finger Module



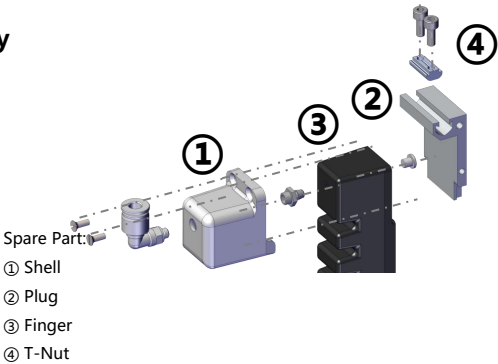
The measuring unit: [mm]



Air Intake & Pose Adjustment

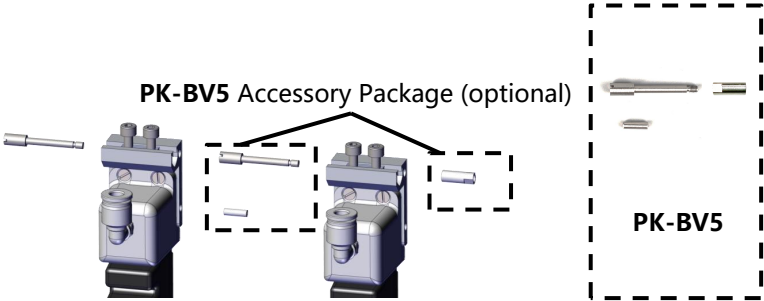


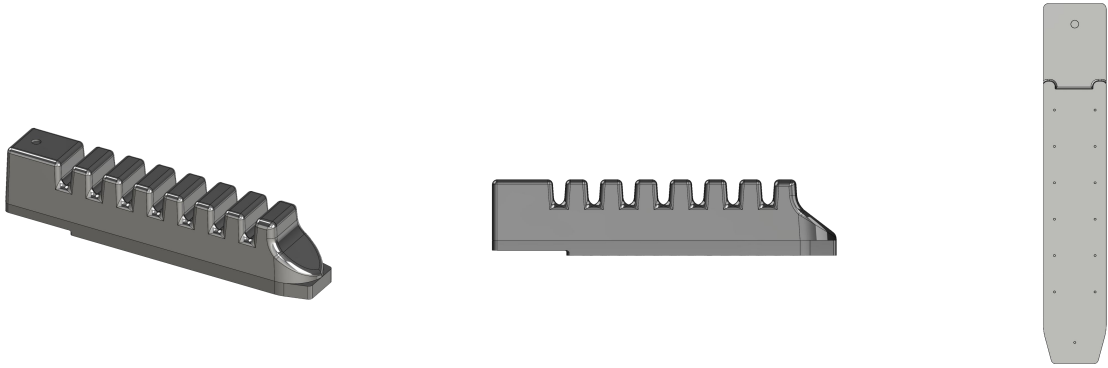
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



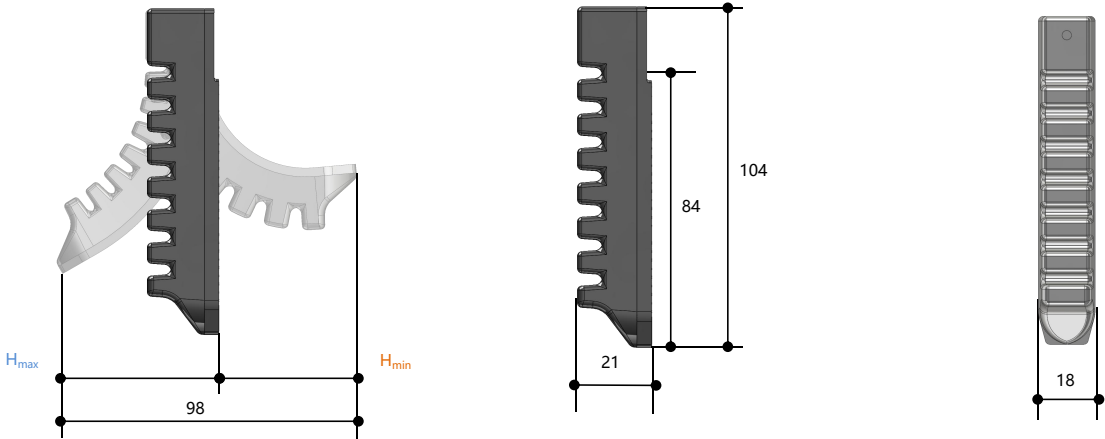


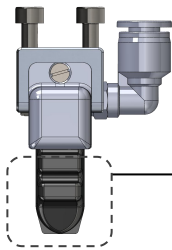
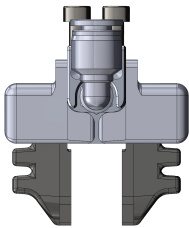
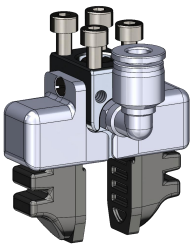
| Finger Pattern | | Features | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|---|------------|
| LF1 | Special Form | Suitable for smooth dry workpieces and soft food. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-B8T/LF1[P] | | F-B8T/LF1[PAS] | | | F-B8T/LF1[H] | | | F-B8T/LF1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 61 | 37 | ⚠ 120 |  108 | 32 | 61 | 25 | ⚠ 260 |  144 | 32 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.





The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Dimension Parameters






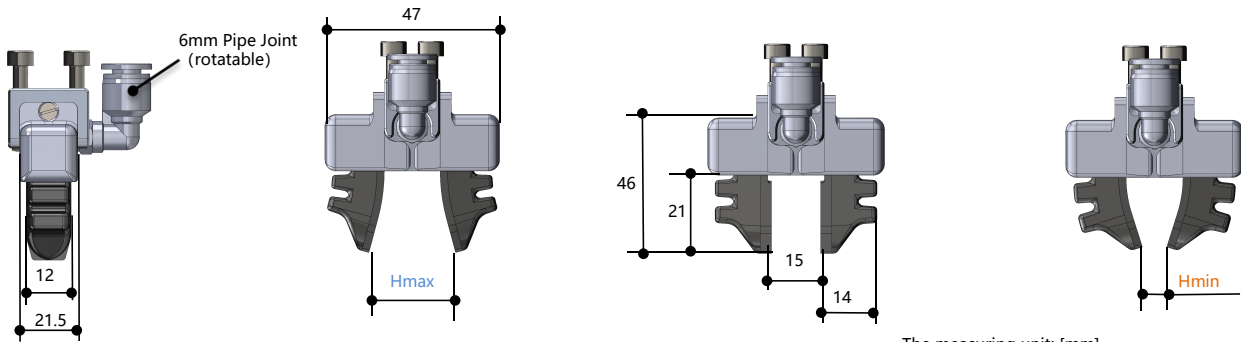
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-C3V1/LS1[P] | | FM-C3V1/LS1[PAS] | | | FM-C3V1/LS1[H] | | FM-C3V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 4 | 25 |  120 |  196 | 42 | 4 | 17 |  220 |  154 | 42 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

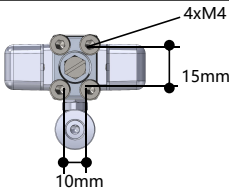
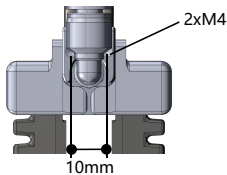
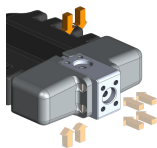
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

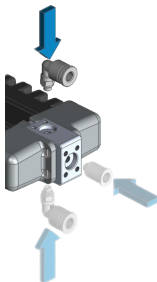


The measuring unit: [mm]

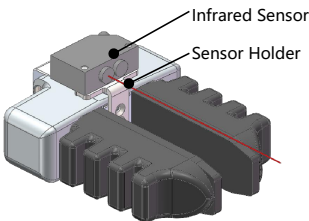
Fixation



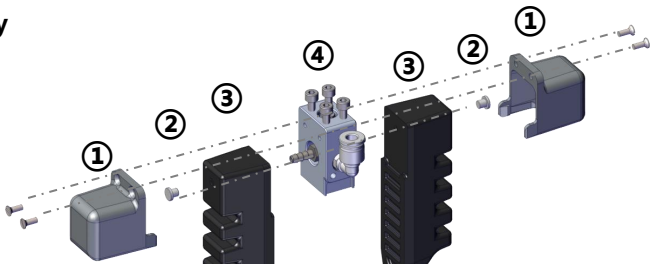
Air Intake



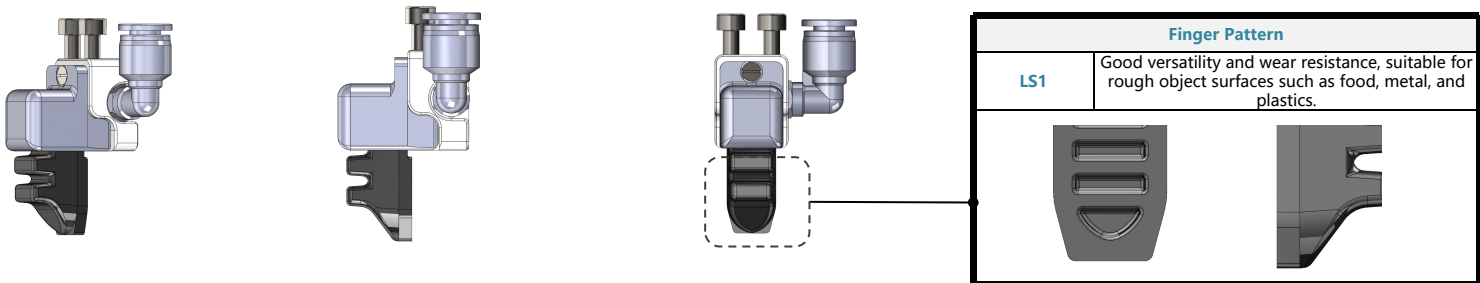
Sensor Installation





Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

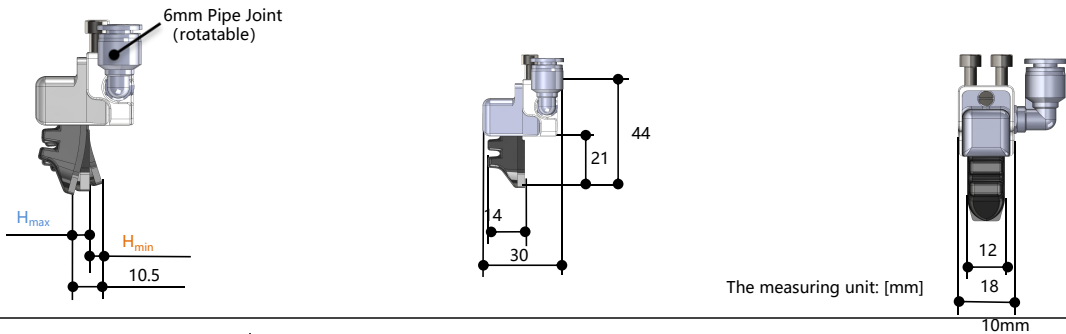


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

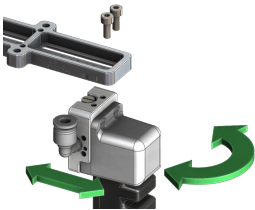
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C3V2/LS1[P] | | FM-C3V2/LS1[PAS] | | | FM-C3V2/LS1[H] | | FM-C3V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 |  120 |  98 | 27 | 5.5 | 1 |  220 |  77 | 27 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

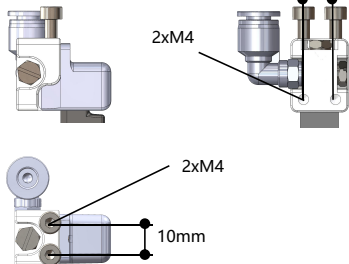
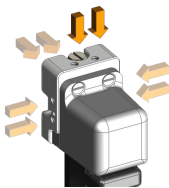
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



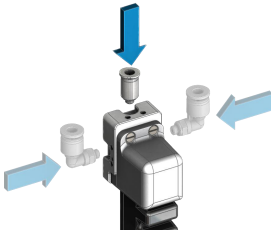
Pose Adjustment



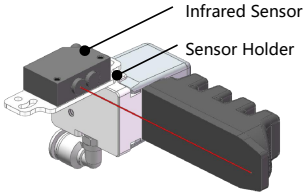
Fixation



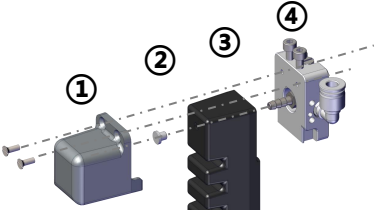
Air Intake



Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

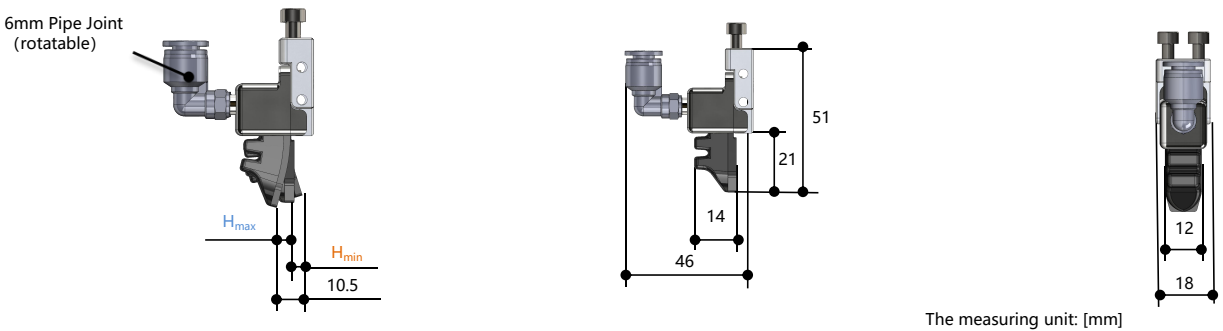
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C3V3/LS1[P] | | FM-C3V3/LS1[PAS] | | | FM-C3V3/LS1[H] | | FM-C3V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 |  120 |  98 | 24 | 5.5 | 1 |  220 |  77 | 24 |

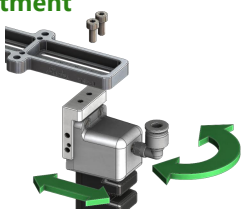
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

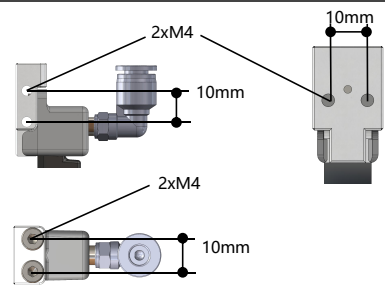
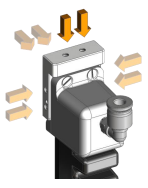
Finger Module



Pose Adjustment



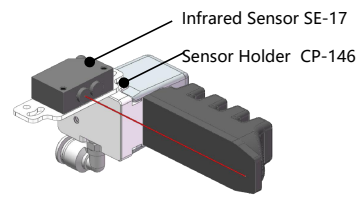
Fixation



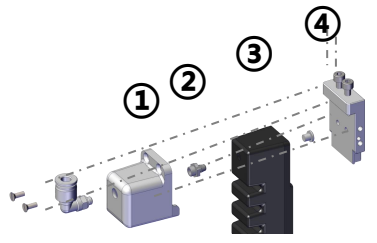
Air Intake



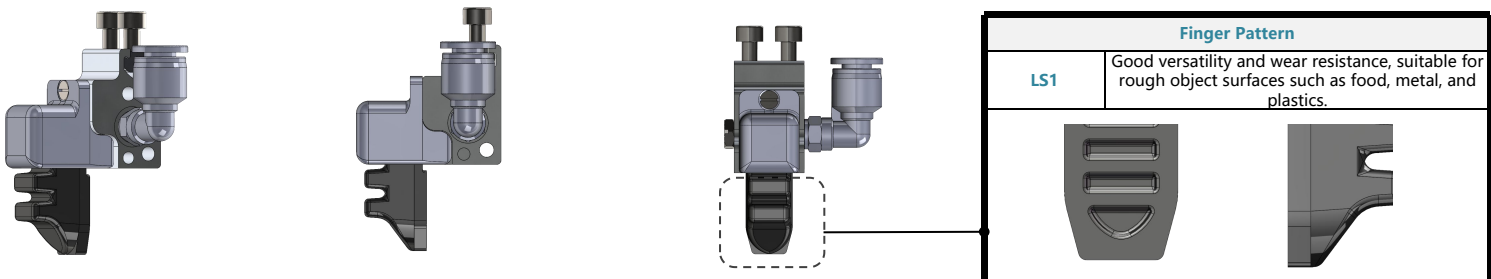
Sensor Installation



Assembly



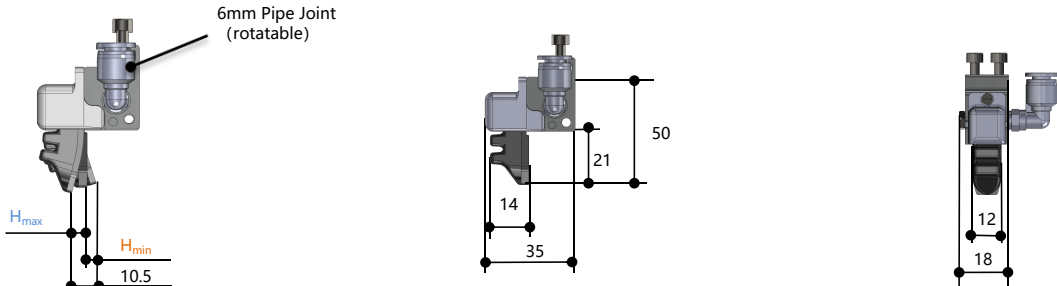
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|------------------------------------|---------------|---|---|---------------------------|------------------------------------|---------------|
| FM-C3V4/LS1[P] | | FM-C3V4/LS1[PAS] | | | FM-C3V4/LS1[H] | | FM-C3V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 | ⚠ 120 | 📏 98 | 35 | 5.5 | 1 | ⚠ 220 | 📏 77 | 35 |

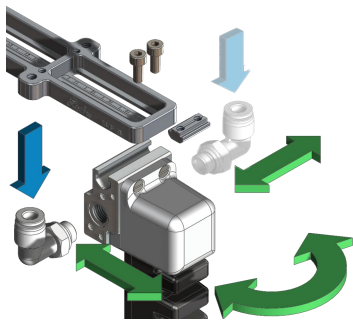
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

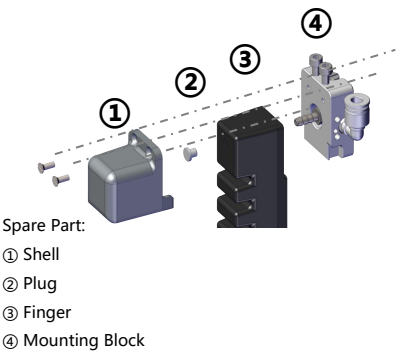


The measuring unit: [mm]

Air Intake & Pose Adjustment

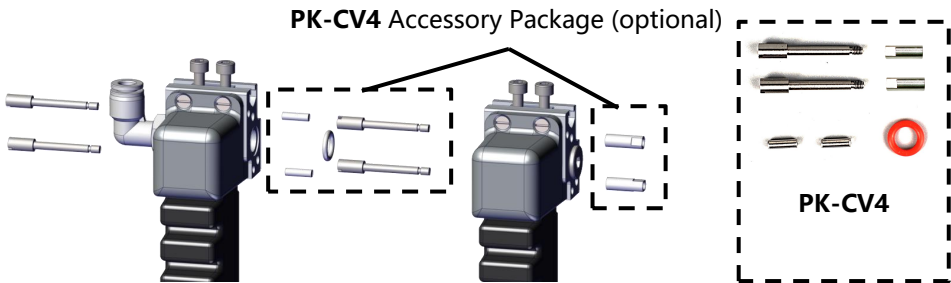


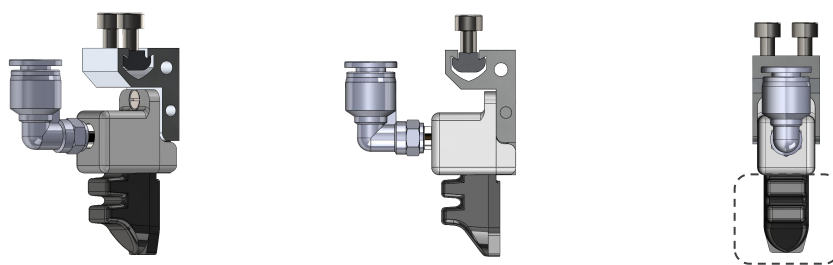
Assembly

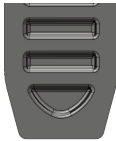





Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

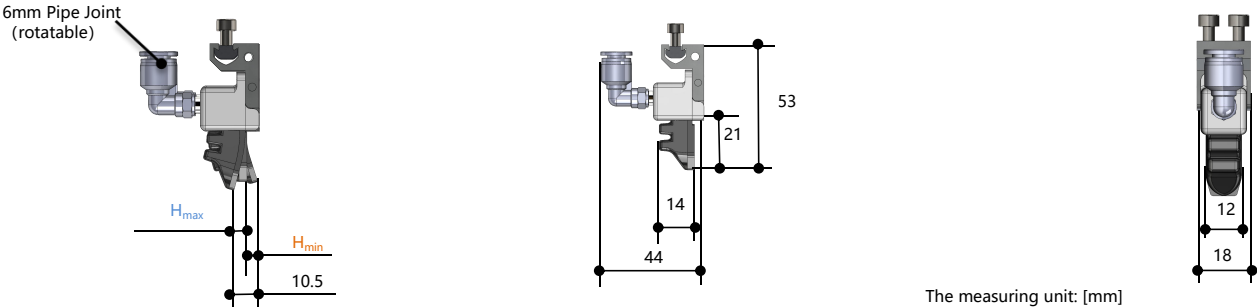
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|--|-----------------|---|---|---------------------|--|------------|
| FM-C3V5/LS1[P] | | FM-C3V5/LS1[PAS] | | FM-C3V5/LS1[H] | | FM-C3V5/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 | ⚠ 120 |  98 | 28 | 5.5 | 1 | ⚠ 220 |  77 | 28 |



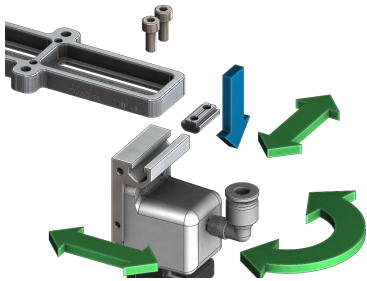
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



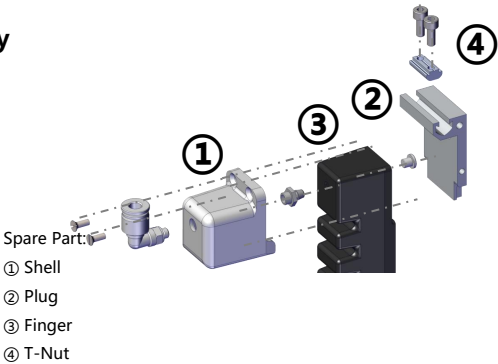
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

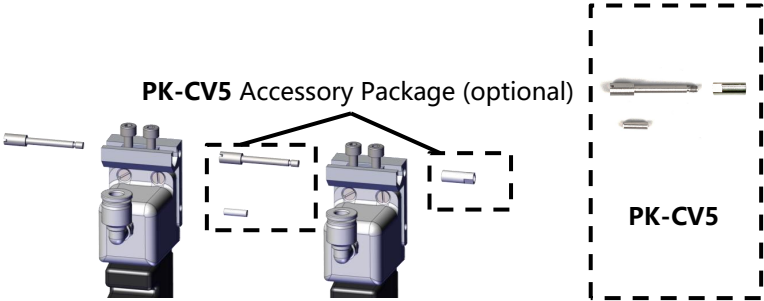


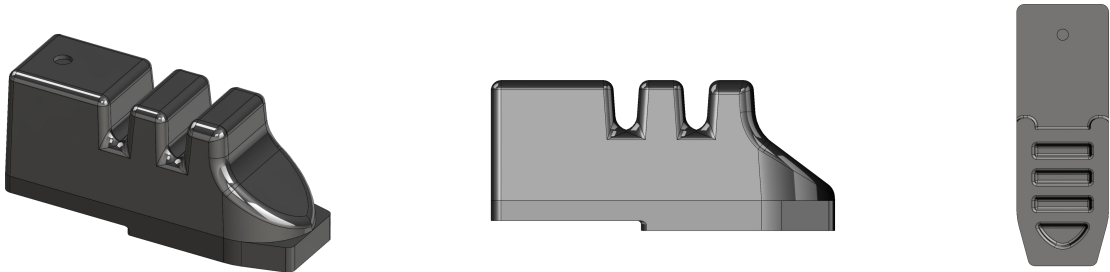
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



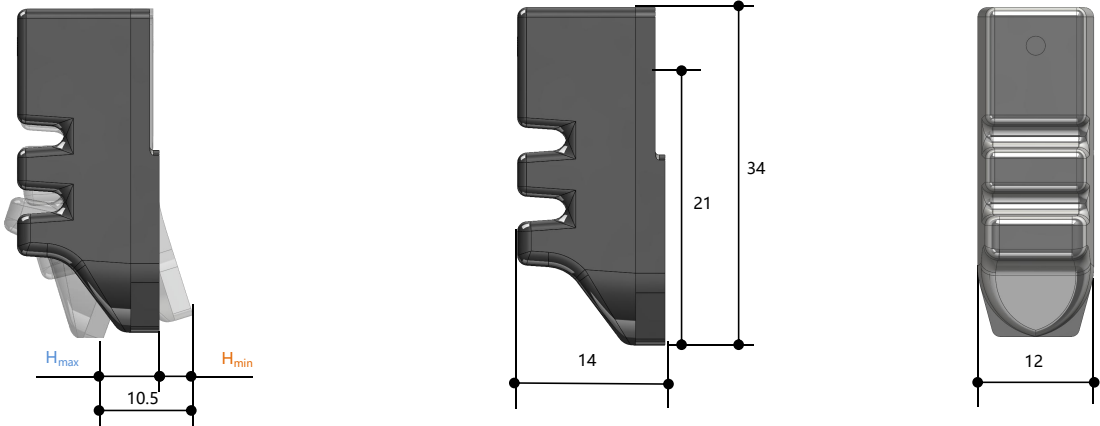


| Finger Pattern | | Features | | | | | | | |
|---|---|---|--|------------|---|---|---------------------|--|------------|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-C3T/LS1[P] | | F-C3T/LS1[PAS] | | | F-C3T/LS1[H] | | | F-C3T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 | ⚠ 120 |  98 | 4 | 5.5 | 1 | ⚠ 220 |  77 | 4 |

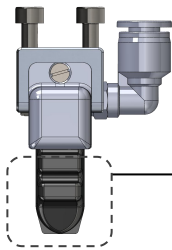
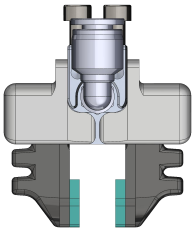
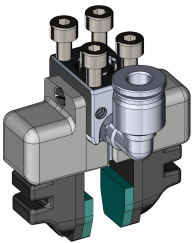
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



Finger Module



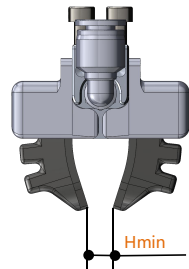
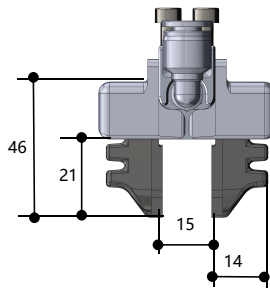
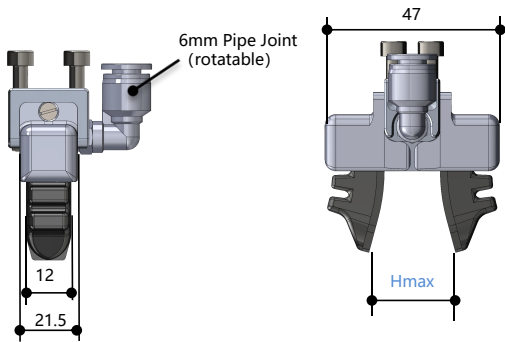
| Finger Pattern | |
|----------------|---|
| NS | Suitable for oily, watery, and other slippery workpiece surfaces. |
| | |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|------------------------|---------------------------------------|---------------|---|---|------------------------|---------------------------------------|---------------------------|--|--|
| FM-C3V1/NS[P] | | | FM-C3V1/NS[PAS] | | | FM-C3V1/NS[H] | | | FM-C3V1/NS[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 4 | 25 | ⚠ 120 | 📦 196 | 42 | 4 | 17 | ⚠ 220 | 📦 154 | 42 | | |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

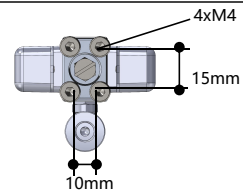
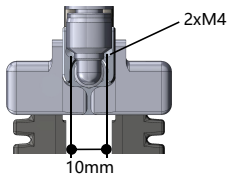
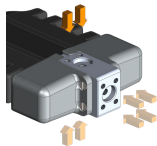
⚖ The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

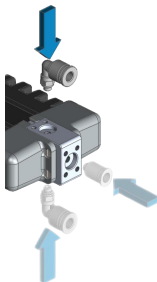


The measuring unit: [mm]

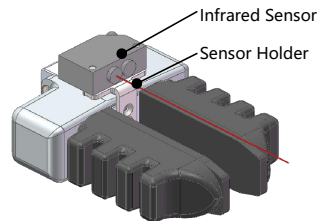
Fixation



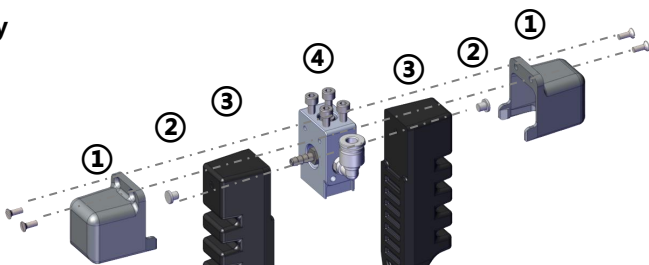
Air Intake



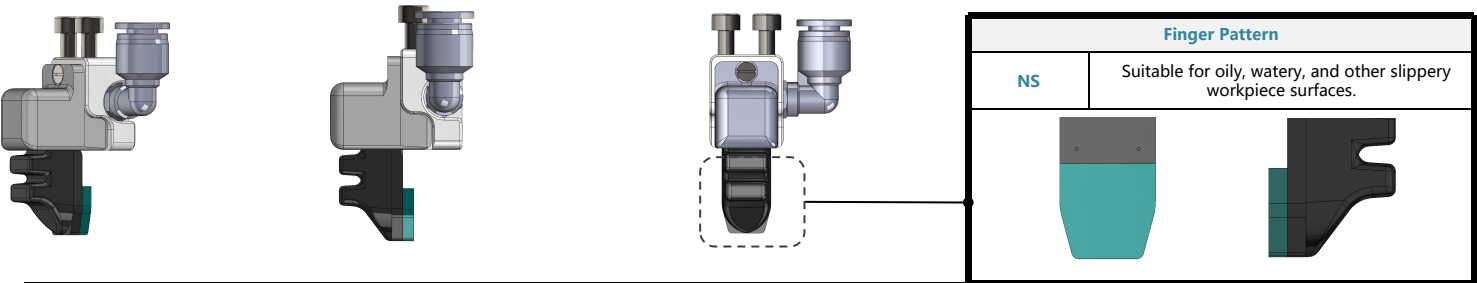
Sensor Installation







Assembly



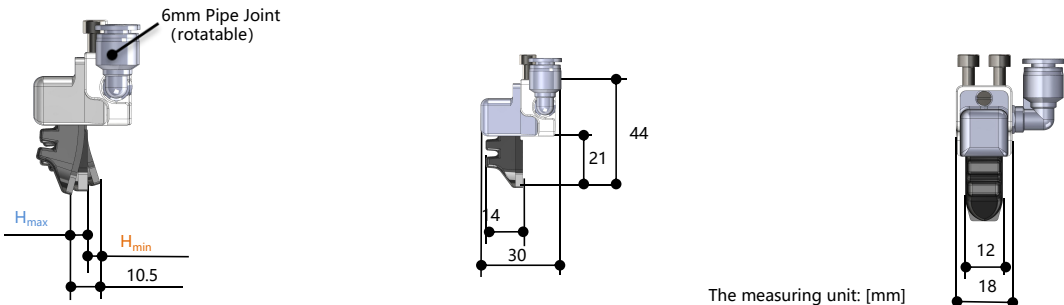
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



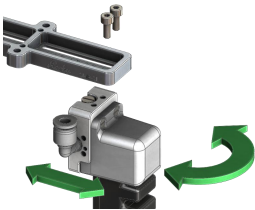
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C3V2/NS[P] | | FM-C3V2/NS[PAS] | | | FM-C3V2/NS[H] | | FM-C3V2/NS[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 |  120 |  98 | 27 | 5.5 | 1 |  220 |  77 | 27 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

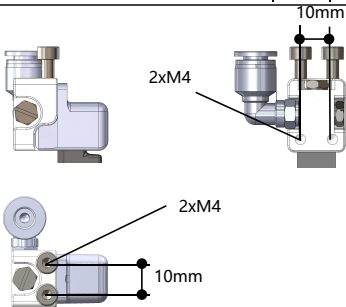
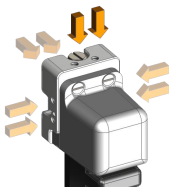
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



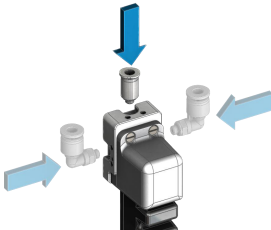
Pose Adjustment



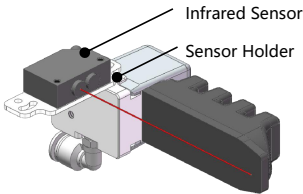
Fixation



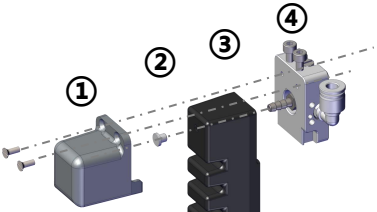
Air Intake



Sensor Installation

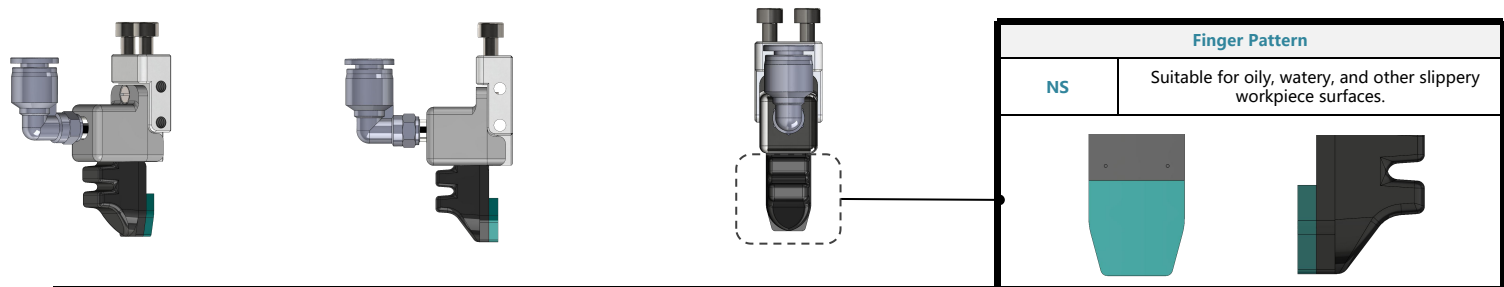


Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

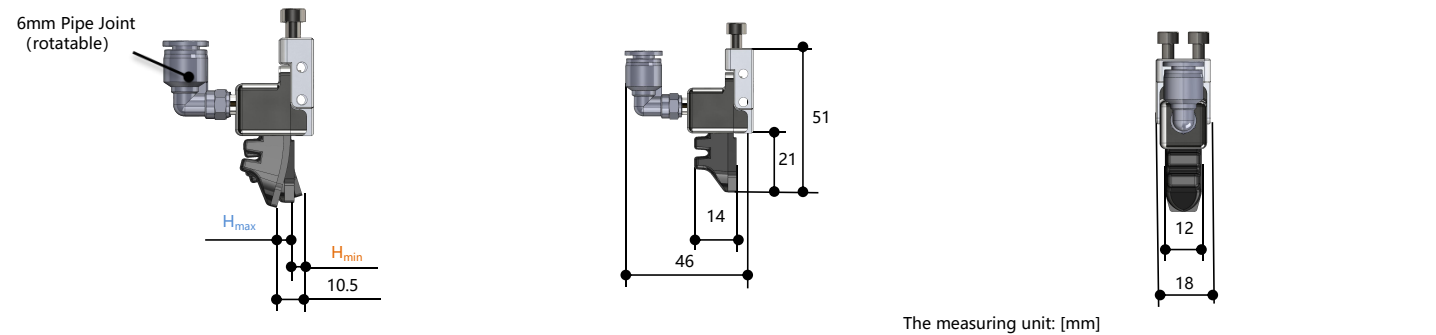
Finger Module



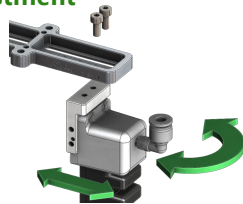
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-C3V3/NS[P] | | FM-C3V3/NS[PAS] | | | FM-C3V3/NS[H] | | FM-C3V3/NS[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 | ⚠ 120 | 📏 98 | 24 | 5.5 | 1 | ⚠ 220 | 📏 77 | 24 |

⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

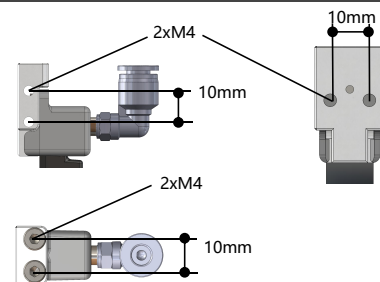
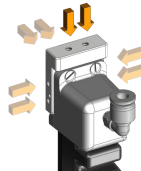
📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment



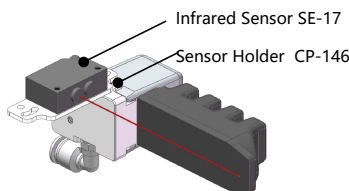
Fixation



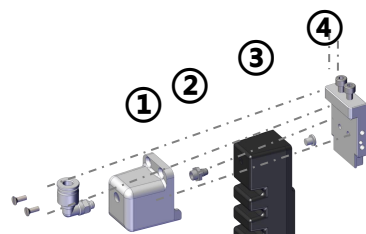
Air Intake



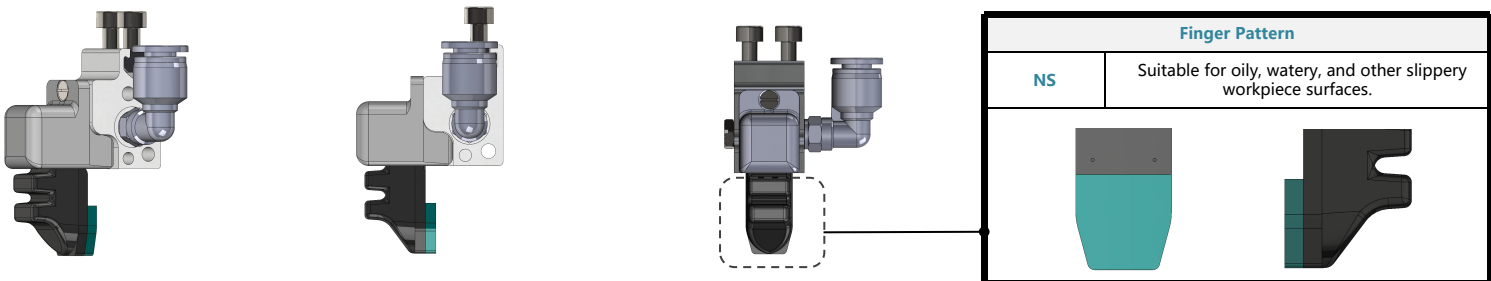
Sensor Installation







Assembly



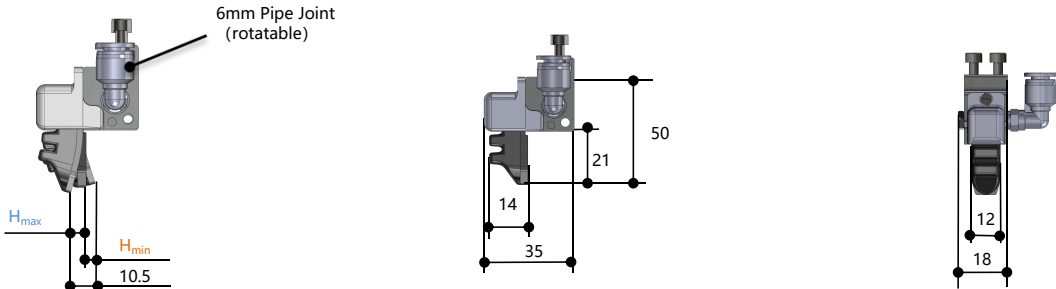
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C3V4/NS[P] | | | FM-C3V4/NS[PAS] | | FM-C3V4/NS[H] | | | FM-C3V4/NS[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 |  120 |  98 | 35 | 5.5 | 1 |  220 |  77 | 35 |

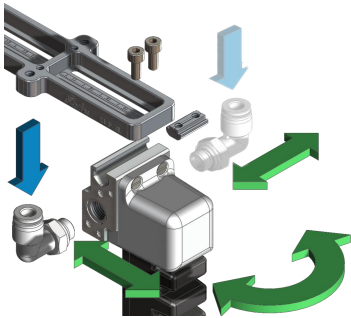
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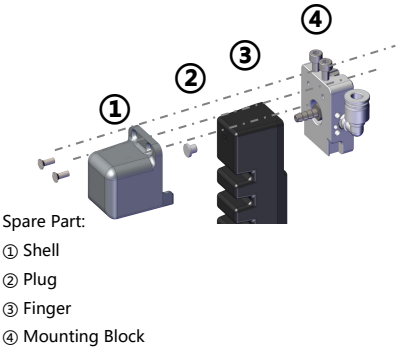


The measuring unit: [mm]

Air Intake & Pose Adjustment

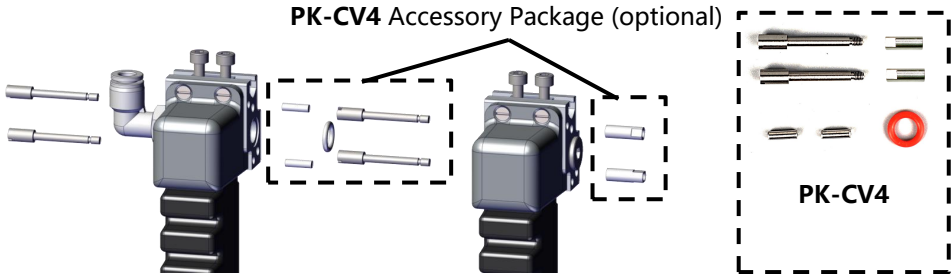


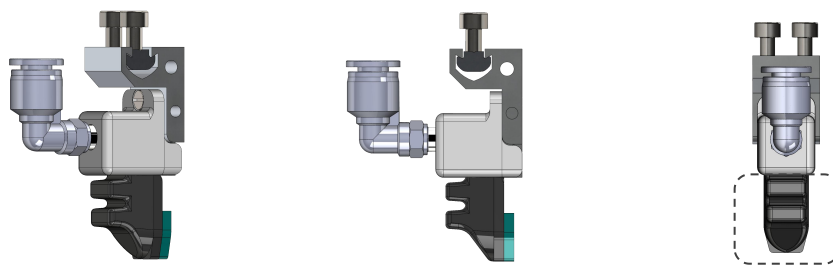
Assembly

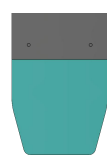
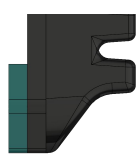




Series combination:


1. Build multiple finger modules in series to increase the grip force.
 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




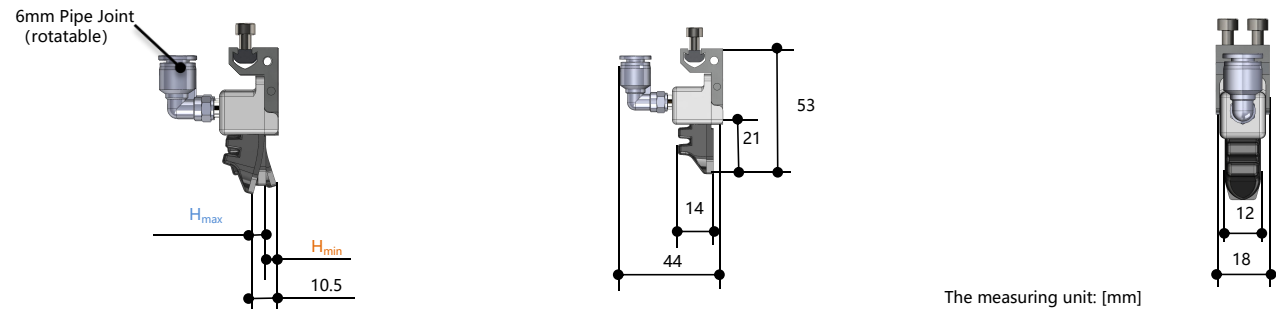


| Finger Pattern | |
|---|---|
| NS | Suitable for oily, watery, and other slippery workpiece surfaces. |
|  |  |

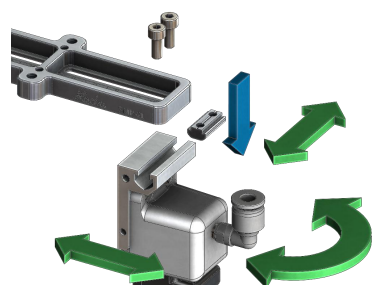
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|--|-----------------|---|---|---------------------|--|------------|
| FM-C3V5/NS[P] | | FM-C3V5/NS[PAS] | | FM-C3V5/NS[H] | | FM-C3V5/NS[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 5.5 | 5 | ⚠️ 120 |  98 | 28 | 5.5 | 1 | ⚠️ 220 |  77 | 28 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

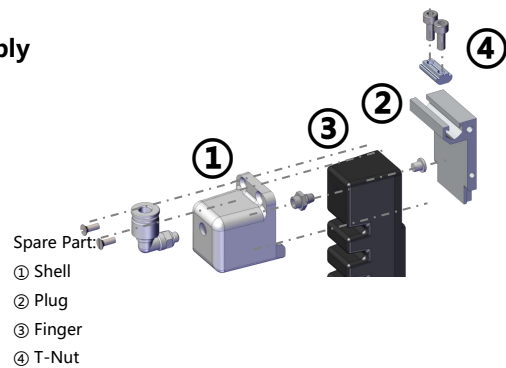
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Air Intake & Pose Adjustment

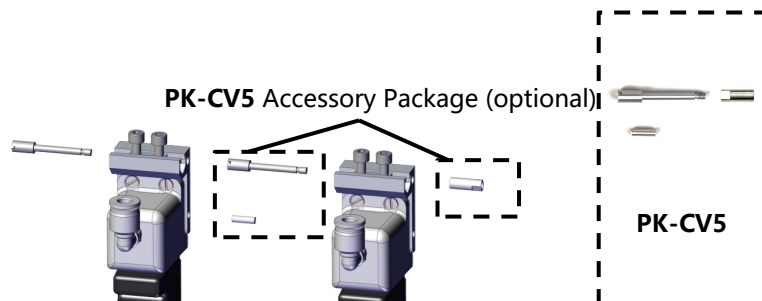


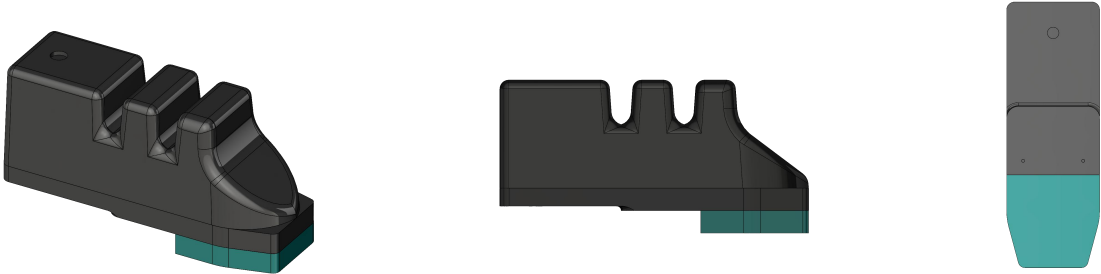
Assembly





Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



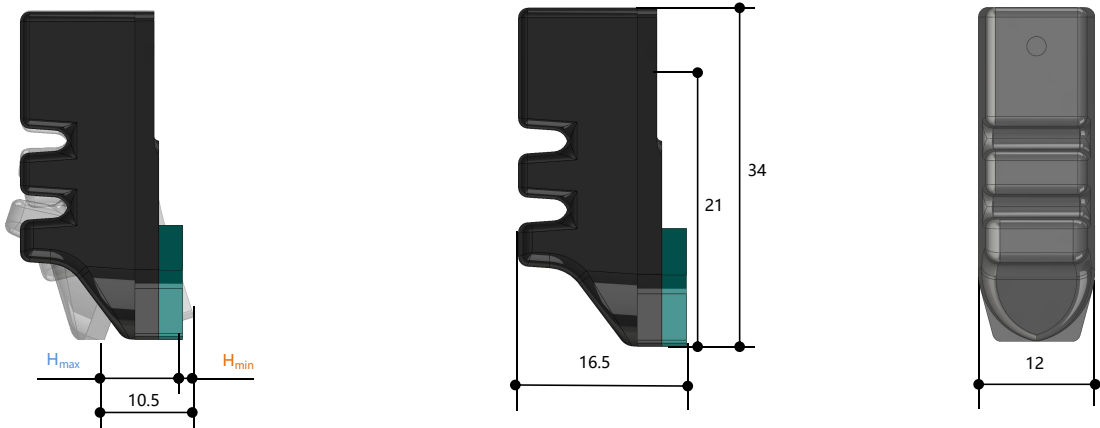


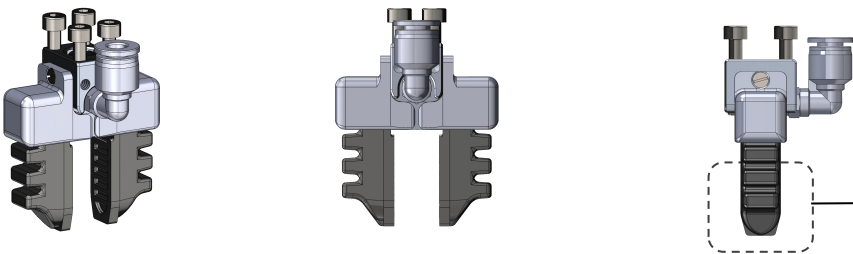
| Finger Pattern | | Features | | | | | | | | |
|---|---|---|--|------------|---|---|---------------------|--|------------|--|
| NS | Special Form | Suitable for oily, watery, and other slippery workpiece surfaces. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-C3T/NS[P] | | F-C3T/NS[PAS] | | | F-C3T/NS[H] | | | F-C3T/NS[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 5.5 | 5 | ⚠ 120 |  98 | 4 | 5.5 | 1 | ⚠ 220 |  77 | 4 | |


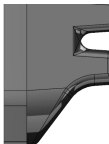
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





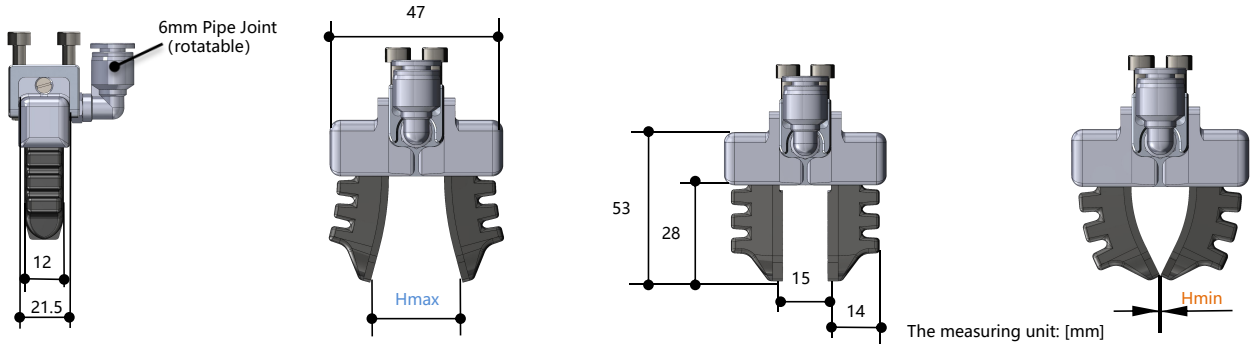
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|---------------------------|--|--|
| FM-C4V1/LS1[P] | | | FM-C4V1/LS1[PAS] | | | FM-C4V1/LS1[H] | | | FM-C4V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 0 | 33 | ⚠ 120 |  208 | 44 | 0 | 21 | ⚠ 220 |  182 | 44 | | |

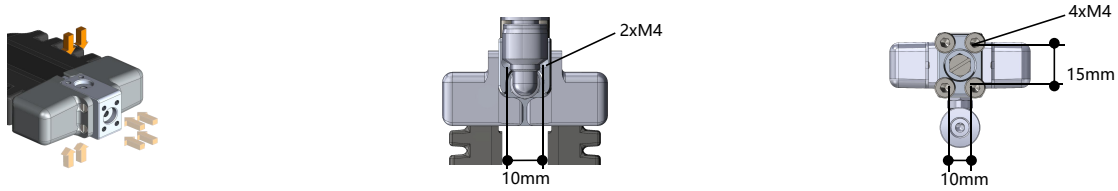
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

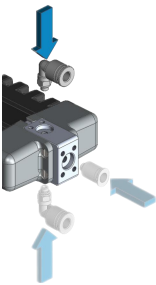
Finger Module



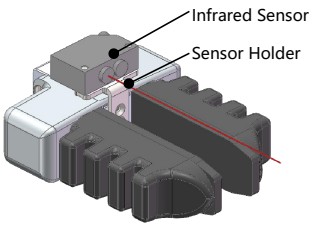
Fixation



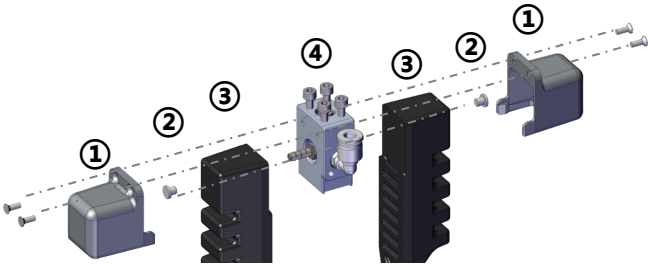
Air Intake



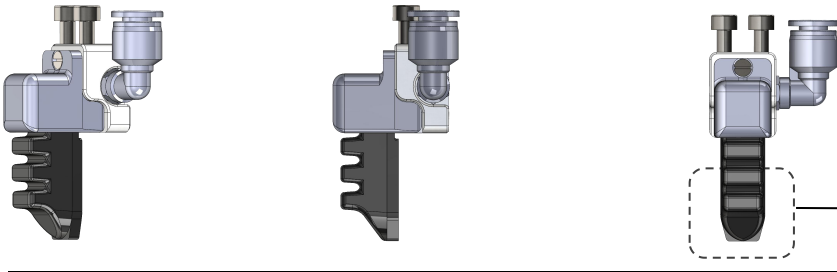
Sensor Installation







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

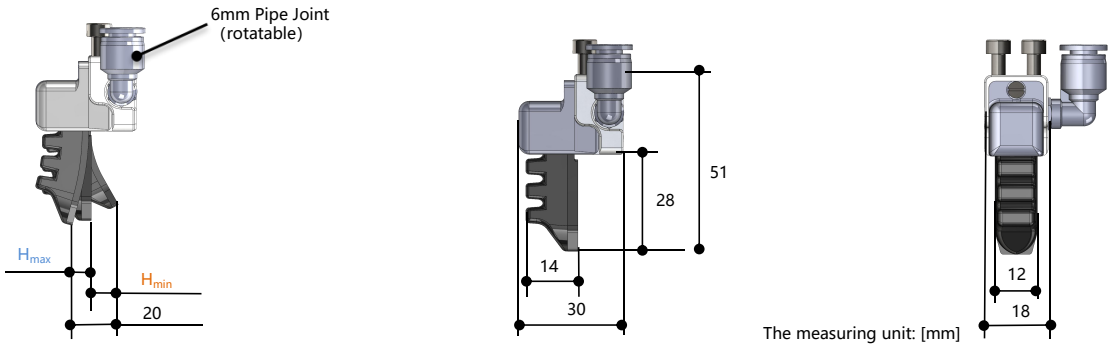
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|--|------------|
| FM-C4V2/LS1[P] | | FM-C4V2/LS1[PAS] | | | FM-C4V2/LS1[H] | | FM-C4V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 27 | 11 | 3 |  220 |  91 | 27 |



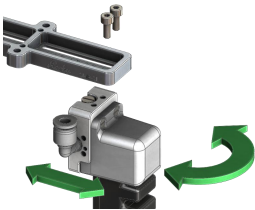
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



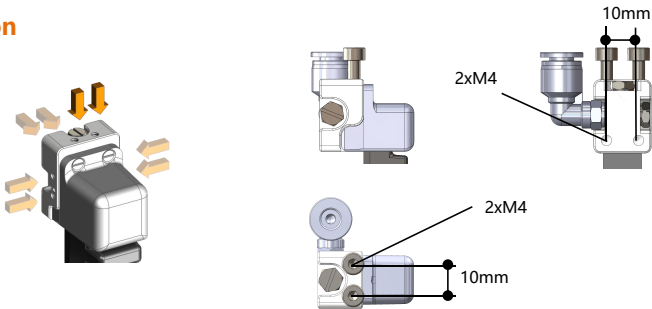
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



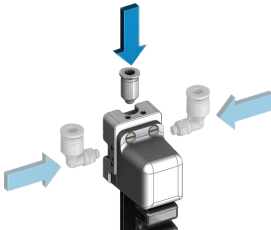
Pose Adjustment



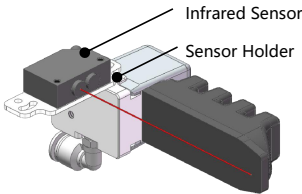
Fixation



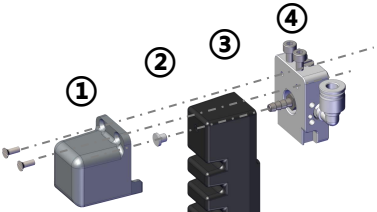
Air Intake



Sensor Installation

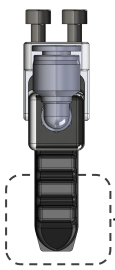
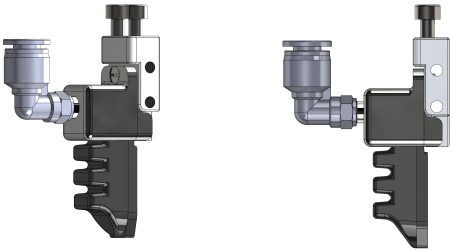




Assembly







- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

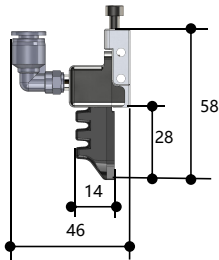
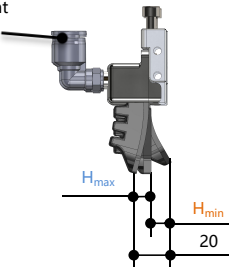
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|--|------------|
| FM-C4V3/LS1[P] | | FM-C4V3/LS1[PAS] | | | FM-C4V3/LS1[H] | | FM-C4V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 25 | 11 | 3 |  220 |  91 | 25 |

⚠️ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

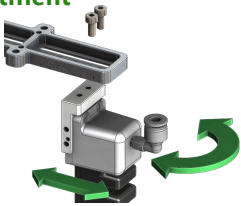
Finger Module

6mm Pipe Joint
(rotatable)

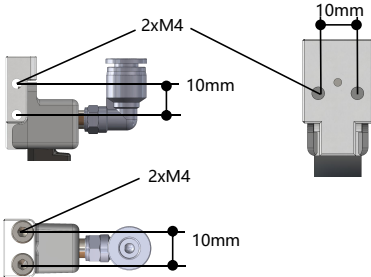
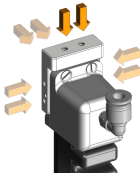


The measuring unit: [mm]

Pose Adjustment



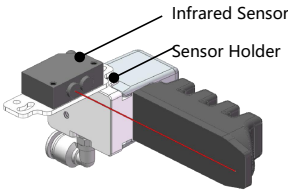
Fixation



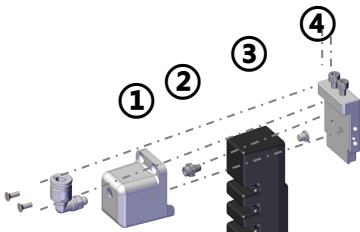
Air Intake



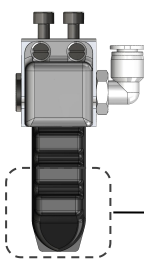
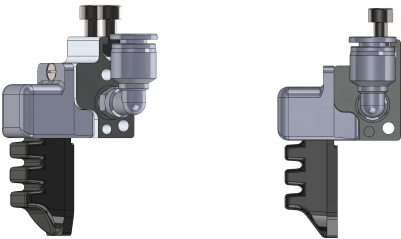
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

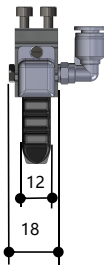
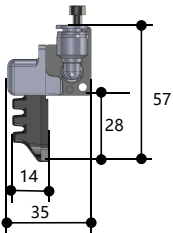
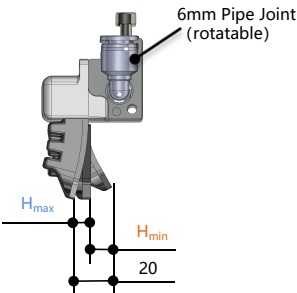


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|--|---------------|
| FM-C4V4/LS1[P] | | FM-C4V4/LS1[PAS] | | | FM-C4V4/LS1[H] | | FM-C4V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 36 | 11 | 3 |  220 |  91 | 36 |

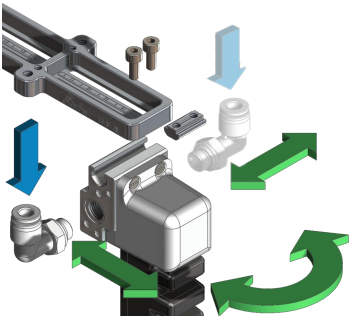
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

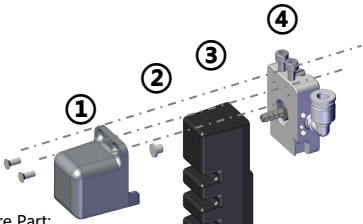


The measuring unit: [mm]

Air Intake & Pose Adjustment



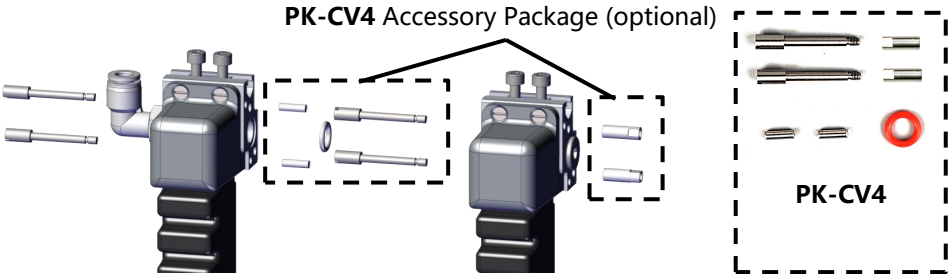
Assembly

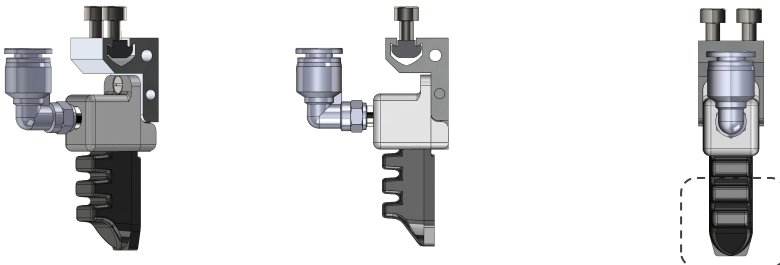


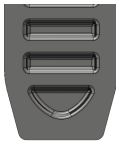

- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

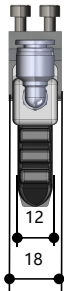
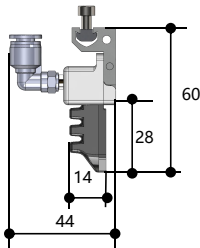
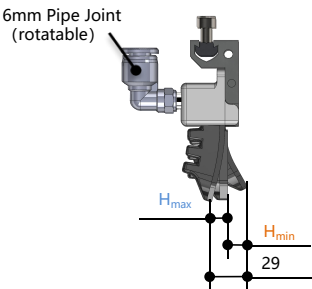
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|------------------------|--|---------------|
| FM-C4V5/LS1[P] | | FM-C4V5/LS1[PAS] | | FM-C4V5/LS1[H] | | FM-C4V5/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 | ⚠️ 120 |  104 | 28 | 11 | 3 | ⚠️ 220 |  91 | 28 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

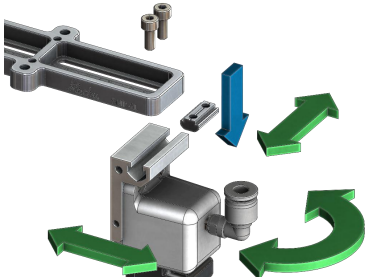


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

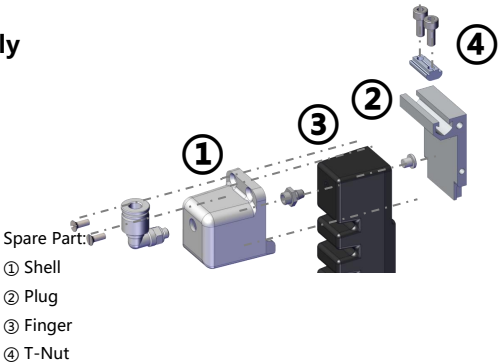


The measuring unit: [mm]

Air Intake & Pose Adjustment

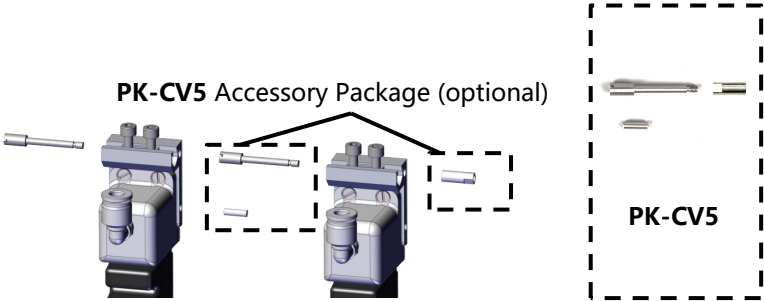


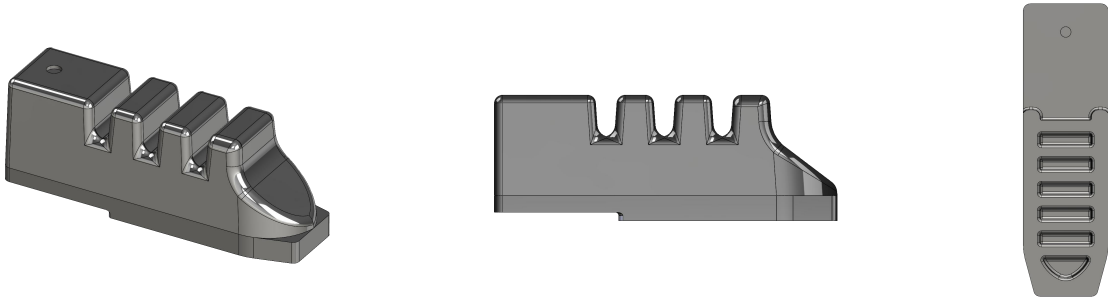
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



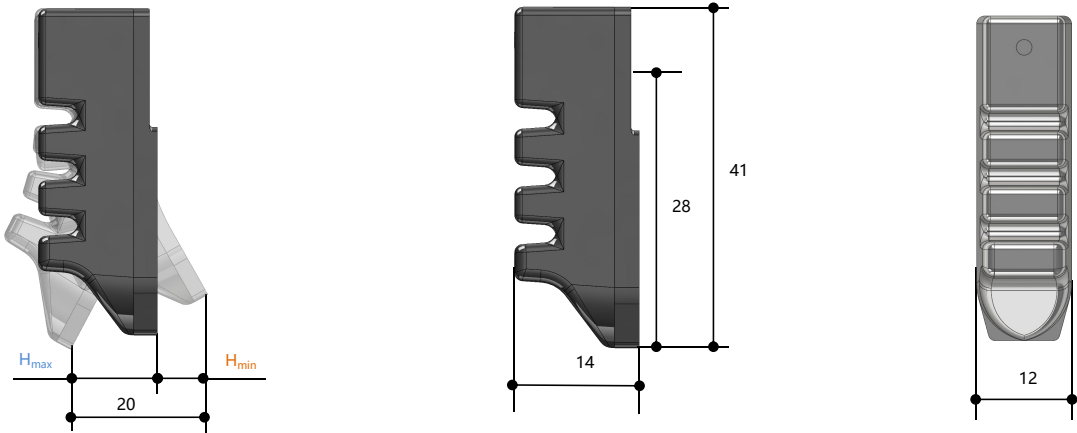


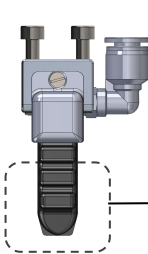
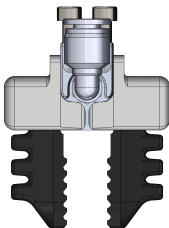
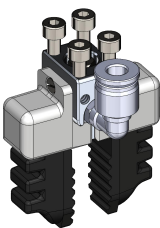
| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|--|------------|--|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-C4T/LS1[P] | | F-C4T/LS1[PAS] | | | F-C4T/LS1[H] | | | F-C4T/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 11 | 9 | ⚠ 120 |  104 | 5 | 11 | 3 | ⚠ 220 |  91 | 5 | |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.





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Dimension Parameters





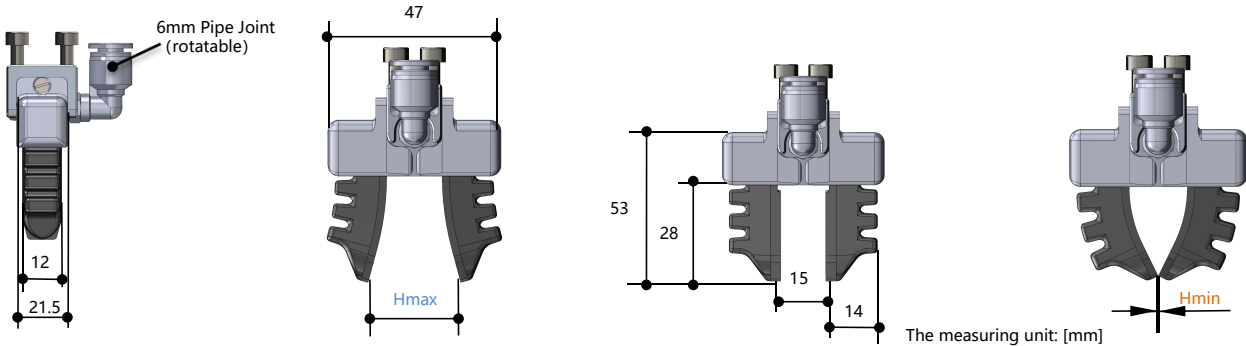
| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|--|---|------------|
| FM-C4V1/LS8[P] | | FM-C4V1/LS8[PAS] | | | FM-C4V1/LS8[H] | | FM-C4V1/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 33 |  120 |  208 | 44 | 0 | 21 |  220 |  182 | 44 |

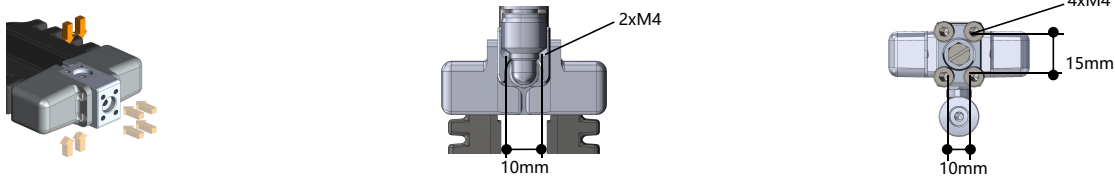
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

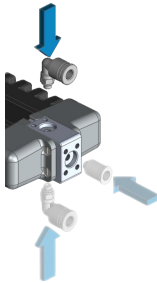
Finger Module



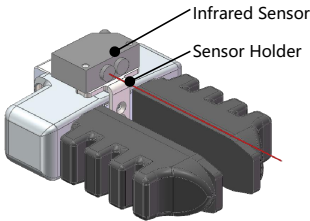
Fixation



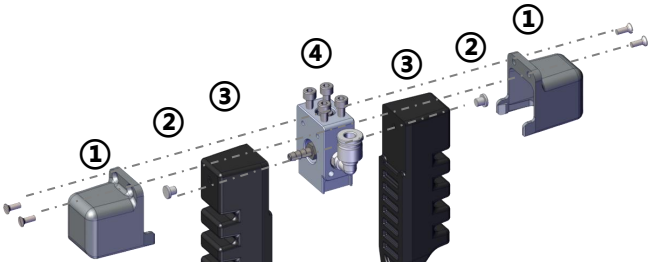
Air Intake



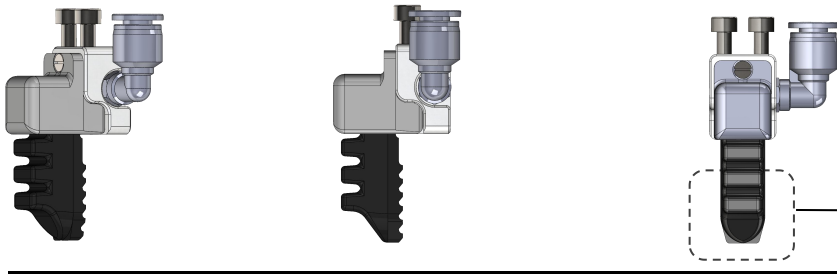
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

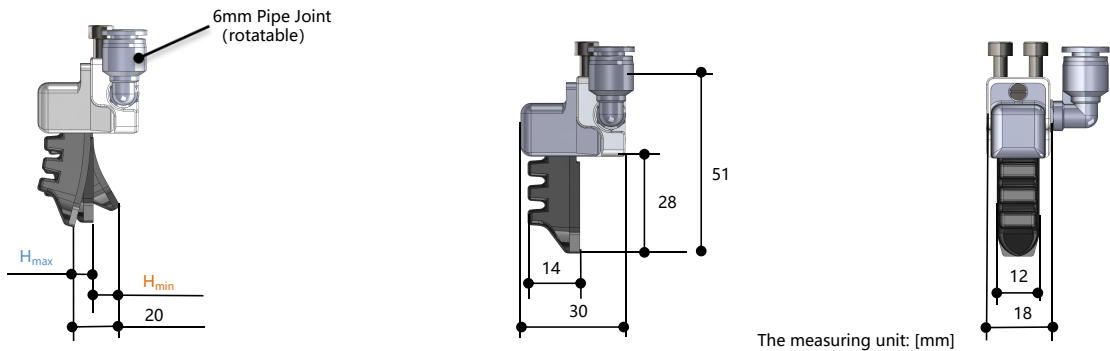
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---|------------|---|---|---------------------|--|---------------------------|--|--|
| FM-C4V2/LS8[P] | | | FM-C4V2/LS8[PAS] | | | FM-C4V2/LS8[H] | | | FM-C4V2/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 11 | 9 | ⚠ 120 |  104 | 27 | 11 | 3 | ⚠ 220 |  91 | 27 | | |



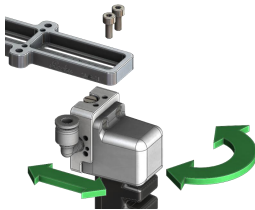
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



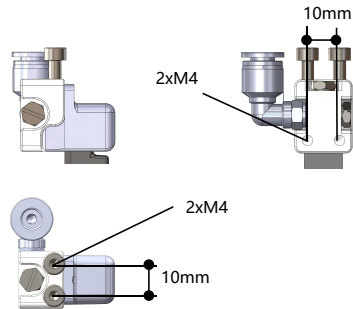
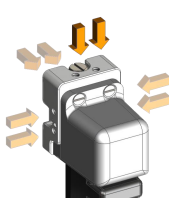
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



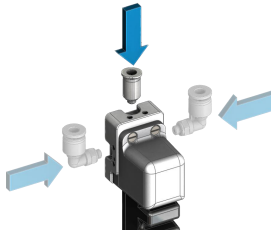
Pose Adjustment



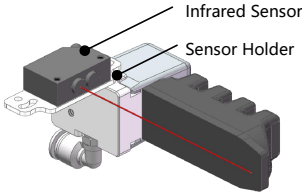
Fixation



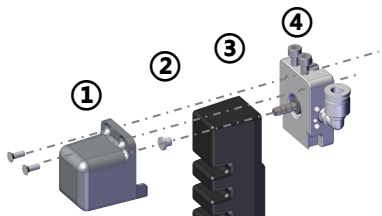
Air Intake



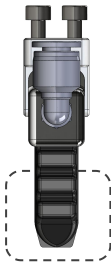
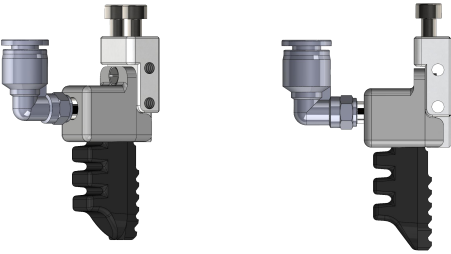
Sensor Installation





Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

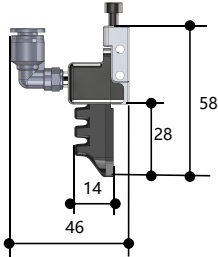
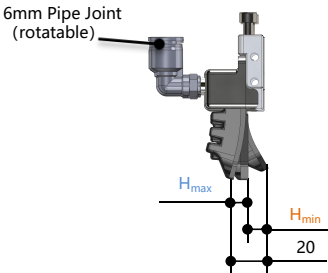


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|--|------------|
| FM-C4V3/LS8[P] | | FM-C4V3/LS8[PAS] | | | FM-C4V3/LS8[H] | | FM-C4V3/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 25 | 11 | 3 |  220 |  91 | 25 |

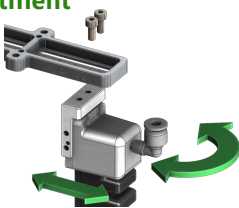
⚠️ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

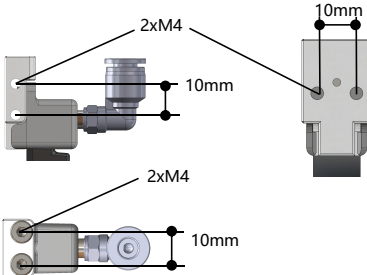
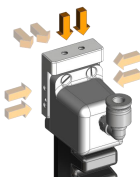


The measuring unit: [mm]

Pose Adjustment



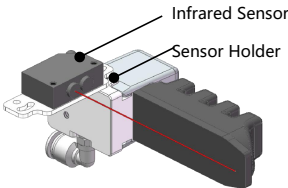
Fixation



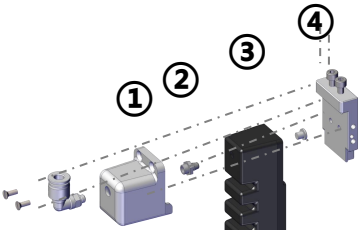
Air Intake



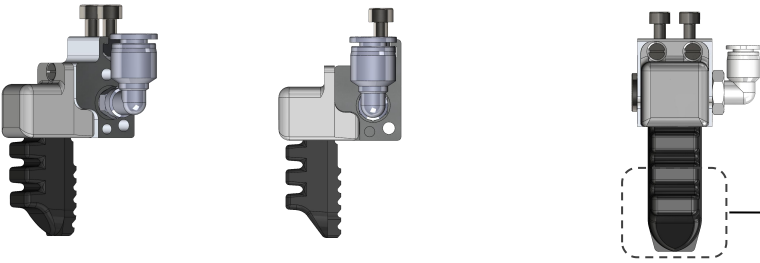
Sensor Installation






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

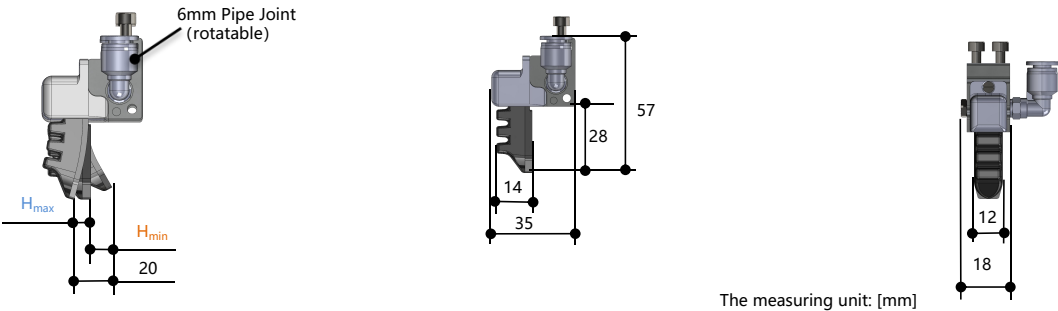


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

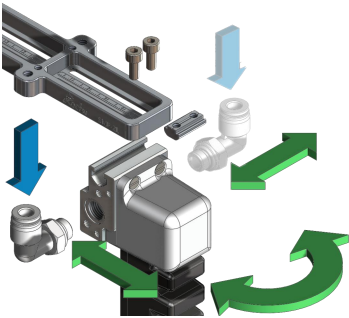
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|--|------------|
| FM-C4V4/LS8[P] | | FM-C4V4/LS8[PAS] | | | FM-C4V4/LS8[H] | | FM-C4V4/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 36 | 11 | 3 |  220 |  91 | 36 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

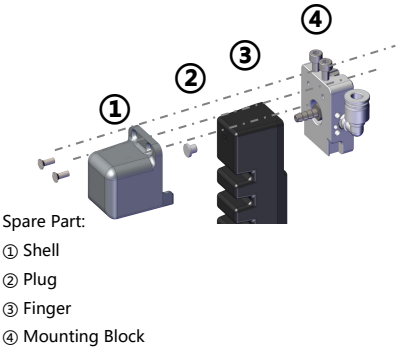
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

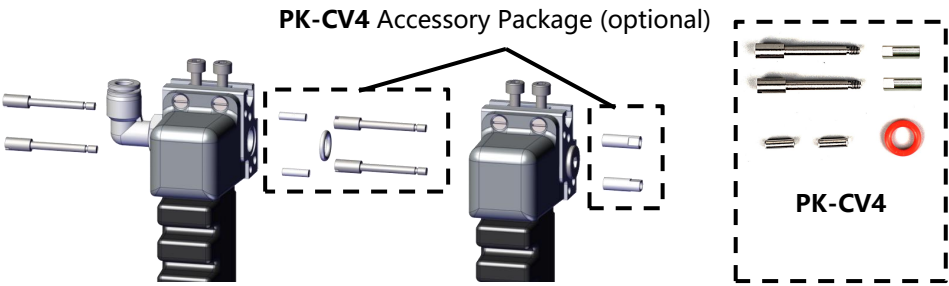


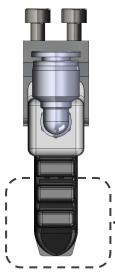
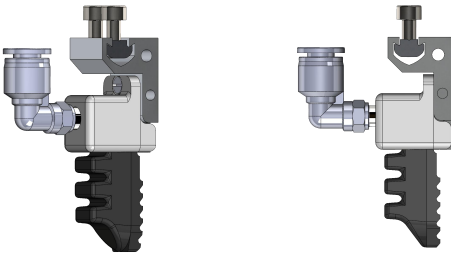
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



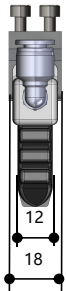
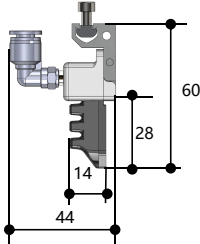
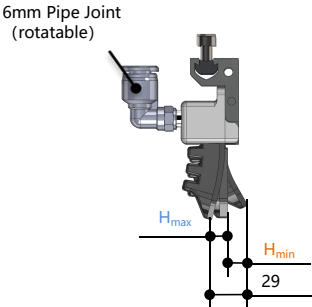


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|--|---------------|
| FM-C4V5/LS8[P] | | FM-C4V5/LS8[PAS] | | | FM-C4V5/LS8[H] | | FM-C4V5/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 28 | 11 | 3 |  220 |  91 | 28 |

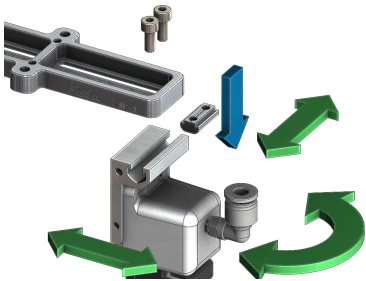
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

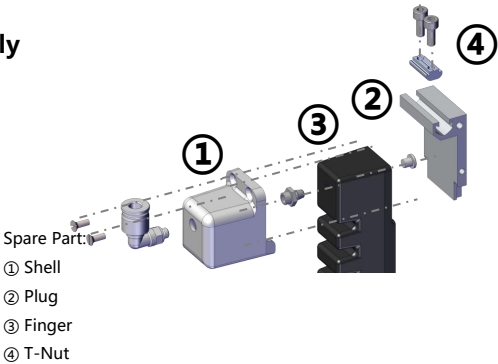


The measuring unit: [mm]

Air Intake & Pose Adjustment

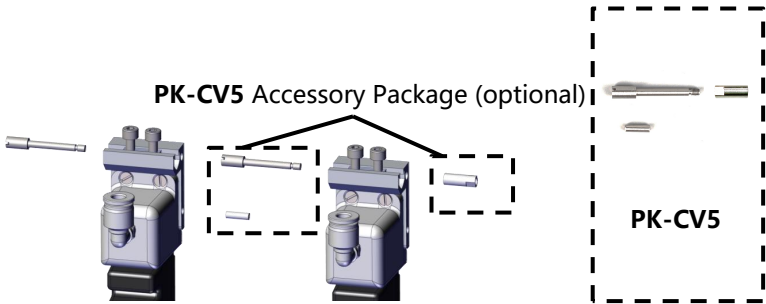


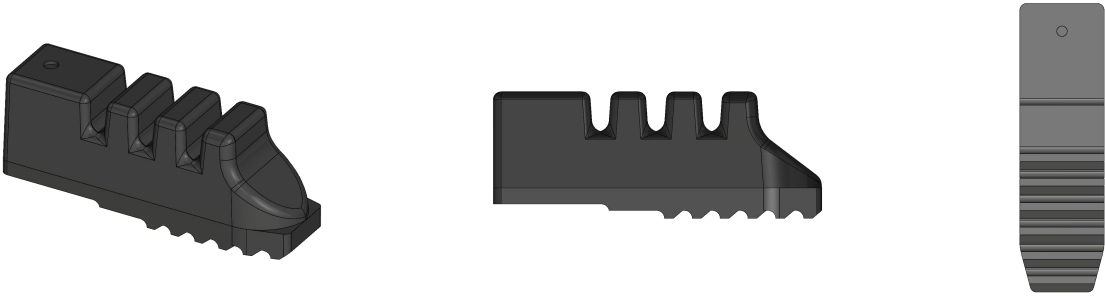
Assembly





Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



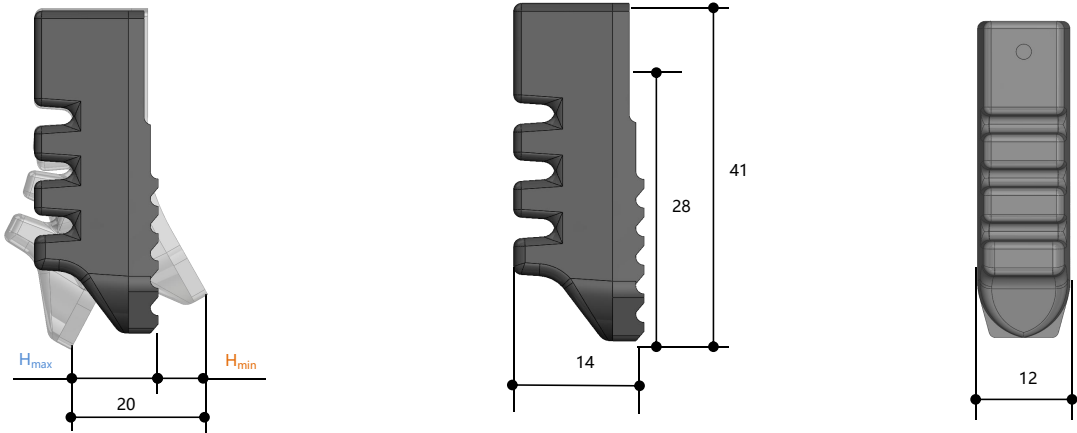


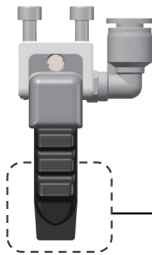
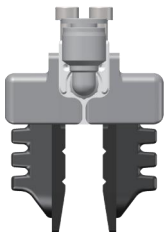
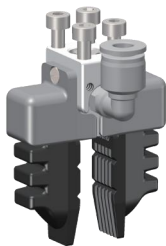
| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|--|------------|--|
| LS8 | Standard form | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-C4T/LS8[P] | | F-C4T/LS8[PAS] | | | F-C4T/LS8[H] | | | F-C4T/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 11 | 9 | ⚠ 120 |  104 | 5 | 11 | 3 | ⚠ 220 |  91 | 5 | |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters



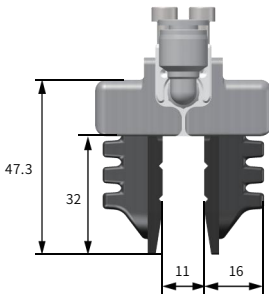
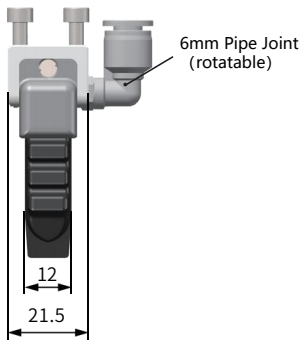


| Finger Pattern | |
|----------------|---|
| V15 | Groove texture, suitable for clamping thin plates and glass panels. |
| | |

| Normal Material | | Dust-free Normal Material |
|---------------------|---------------------------------|---------------------------|
| FM-C4V1/V15[P] | | FM-C4V1/V15[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 120 | 196 | 72 |

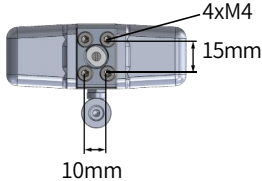
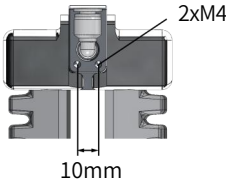
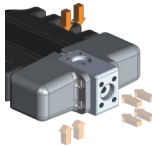
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

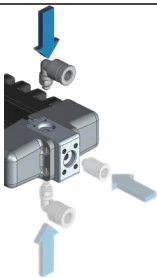


The measuring unit: [mm]

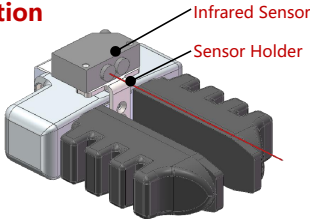
Fixation



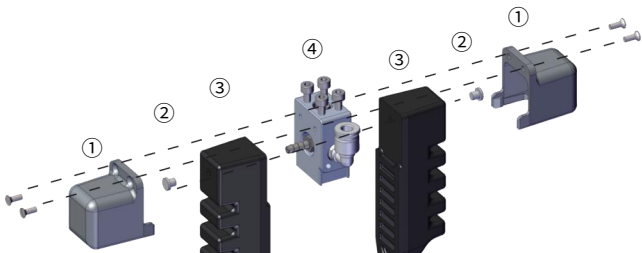
Air Intake



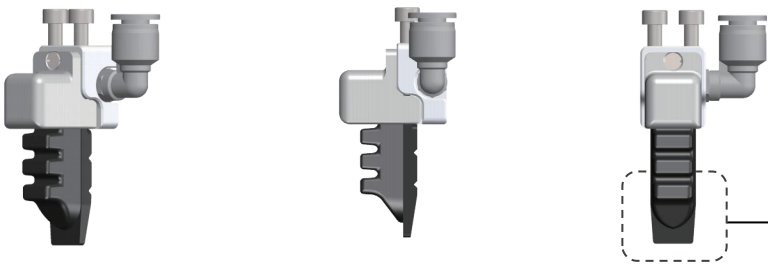
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

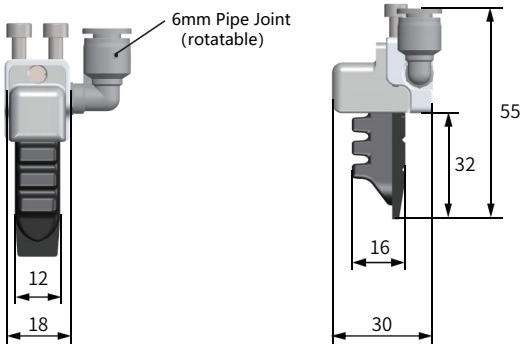


| Finger Pattern | |
|----------------|---|
| V15 | Groove texture, suitable for clamping thin plates and glass panels. |
| | |

| Normal Material | | Dust-free Normal Material |
|---------------------|---------------------------------|---------------------------|
| FM-C4V2/V15[P] | | FM-C4V2/V15[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 120 | 98 | 27 |

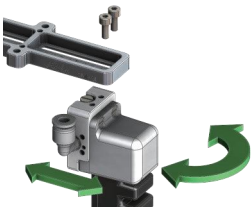
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

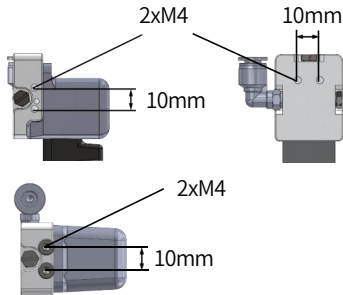
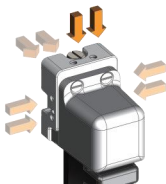


The measuring unit: [mm]

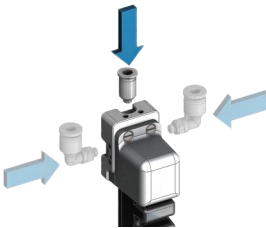
Pose Adjustment



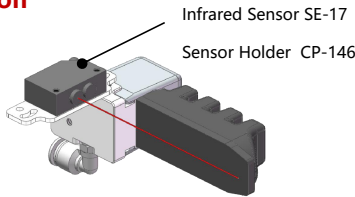
Fixation



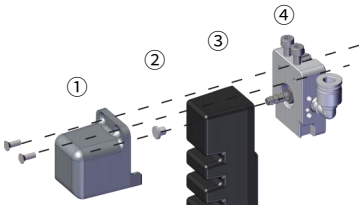
Air Intake



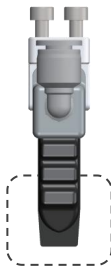
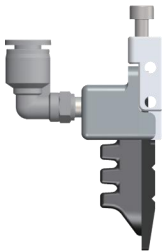
Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

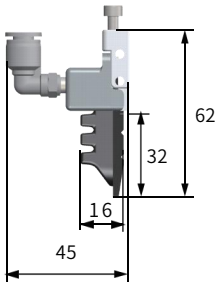
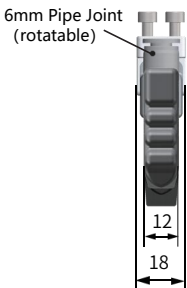


| Finger Pattern | |
|----------------|---|
| V15 | Groove texture, suitable for clamping thin plates and glass panels. |
| | |

| Normal Material | | Dust-free Normal Material |
|---------------------|---------------------------------|---------------------------|
| FM-C4V3/V15[P] | | FM-C4V3/V15[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 120 | 98 | 24 |

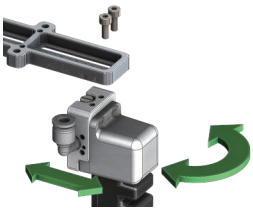
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

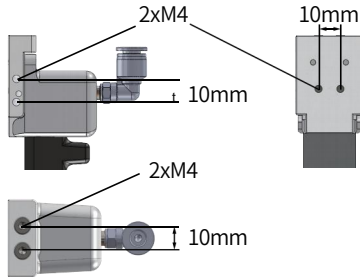
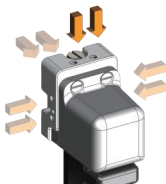


The measuring unit: [mm]

Pose Adjustment



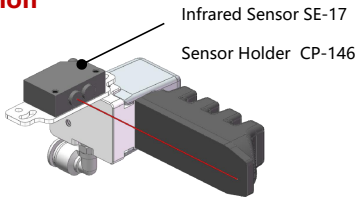
Fixation



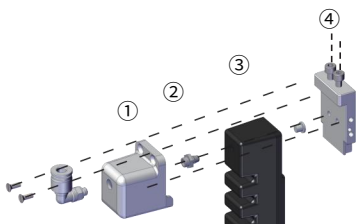
Air Intake



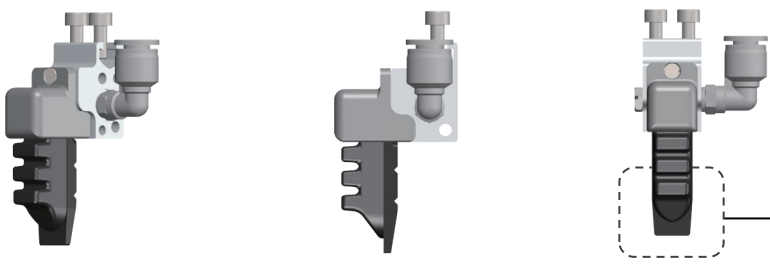
Sensor Installation






Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| V15 | Groove texture, suitable for clamping thin plates and glass panels. |
|  | |

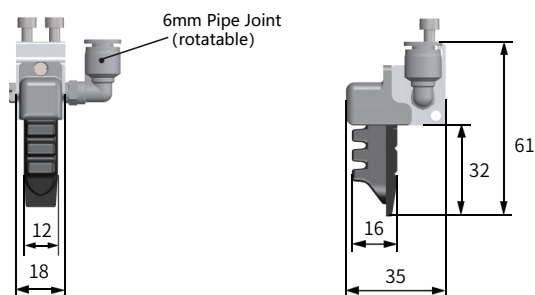
| Normal Material | | Dust-free Normal Material |
|---|------------------------------------|--|
| FM-C4V4/V15[P] | | FM-C4V4/V15[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 98 |  35 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

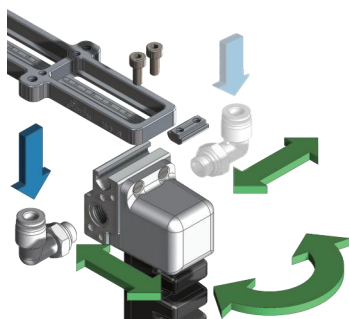


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

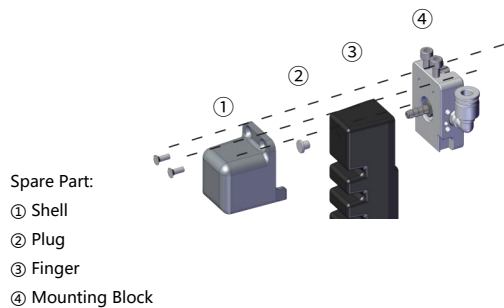


The measuring unit: [mm]

Air Intake & Pose Adjustment

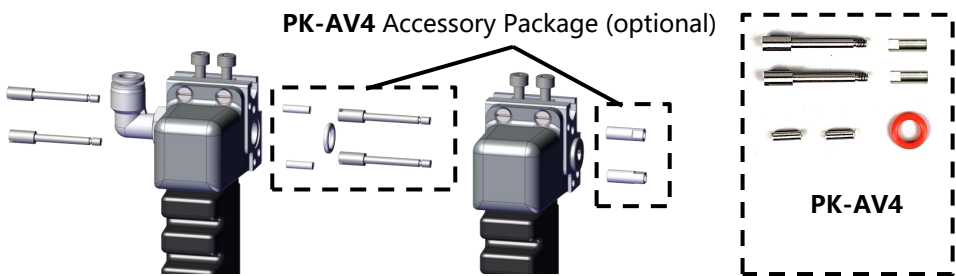


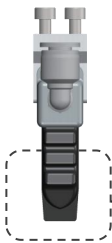
Assembly



Series combination:

- Build multiple finger modules in series to increase the grip force.
 - The finger module has the function of confluence, realizing the seamless splicing between fingers. It can drive multiple fingers to move at the same time with only one air pipe (sharing the air inlet) to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



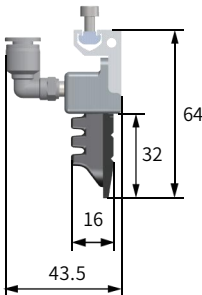
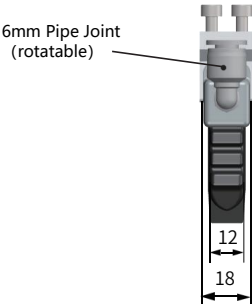


| Finger Pattern | |
|----------------|---|
| V15 | Groove texture, suitable for clamping thin plates and glass panels. |
| | |

| Normal Material | | Dust-free Normal Material |
|---------------------|---------------------------------|---------------------------|
| FM-C4V5/V15[P] | | FM-C4V5/V15[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 120 | 98 | 28 |

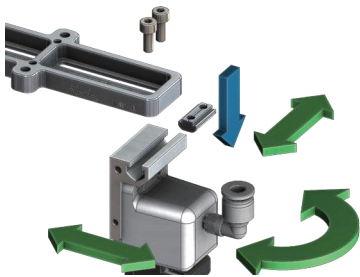
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



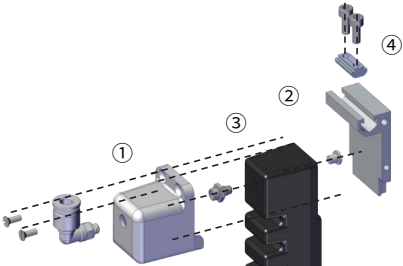
The measuring unit: [mm]

Air Intake & Pose Adjustment



Assembly

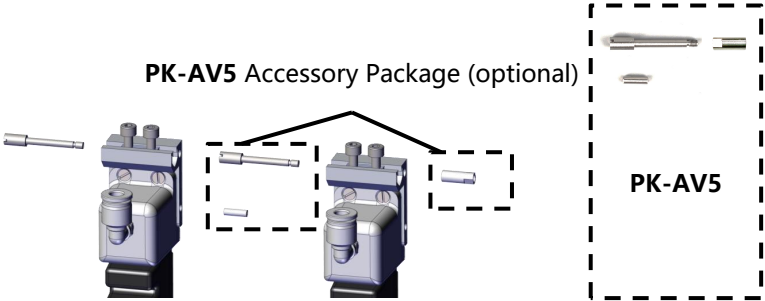
- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ T-Nut

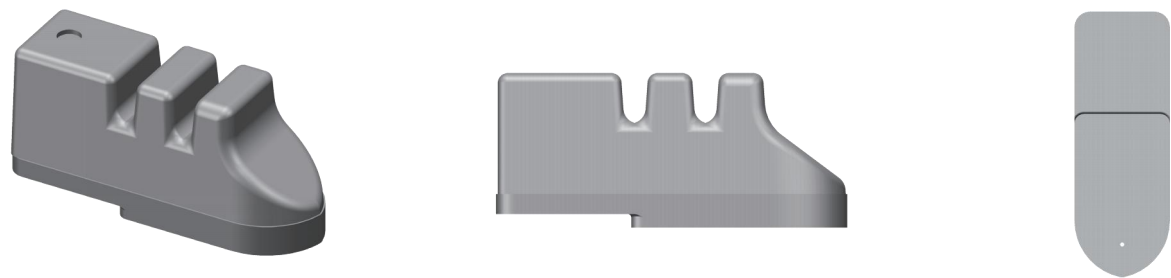




Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
- 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.


*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



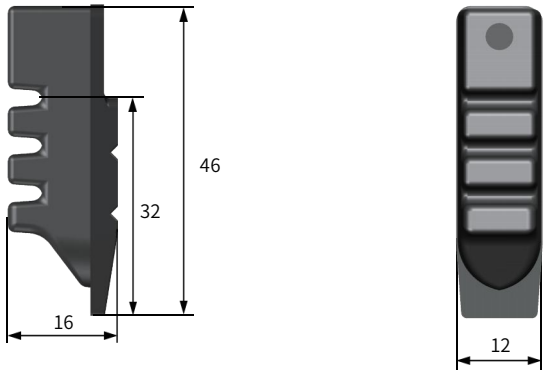


| Finger Pattern | | Features |
|---|---------------------------------|---|
| U40 | Special Form | Groove texture, suitable for clamping thin plates and glass panels. |
| Normal Material | | Dust-free Normal Material |
| F-C4T/V15 [P] | | F-C4T/V15[PAS] |
| Finger color: Black | | |
| Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
|  120 | 98 |  4 |

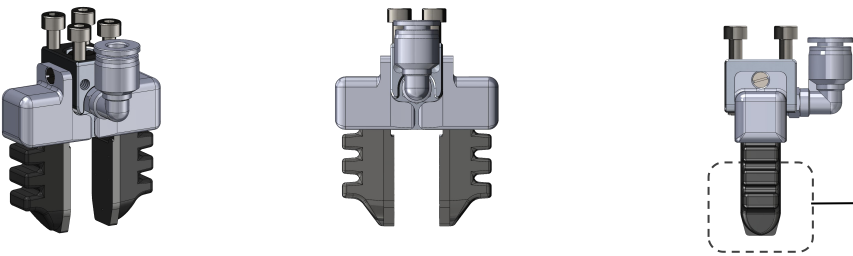
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



The measuring unit: [mm]



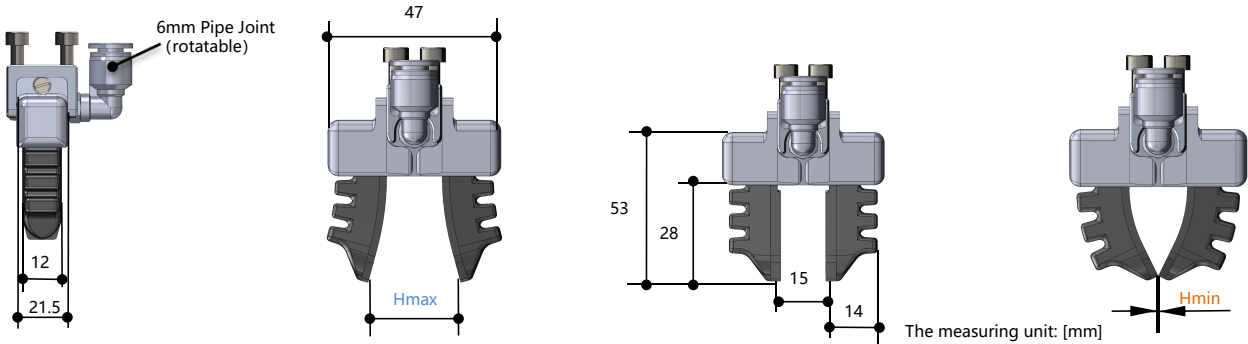
| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-C4V1/LF1[P] | | FM-C4V1/LF1[PAS] | | | FM-C4V1/LF1[H] | | FM-C4V1/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 33 |  120 |  208 | 44 | 0 | 21 |  220 |  182 | 44 |

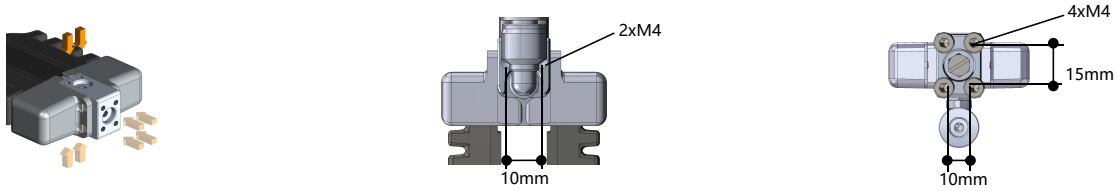
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

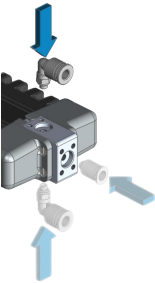
Finger Module



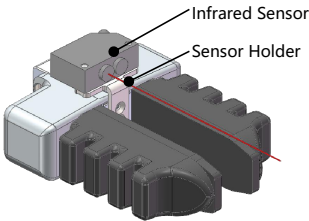
Fixation



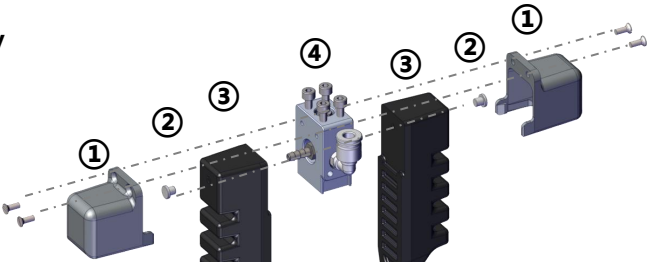
Air Intake



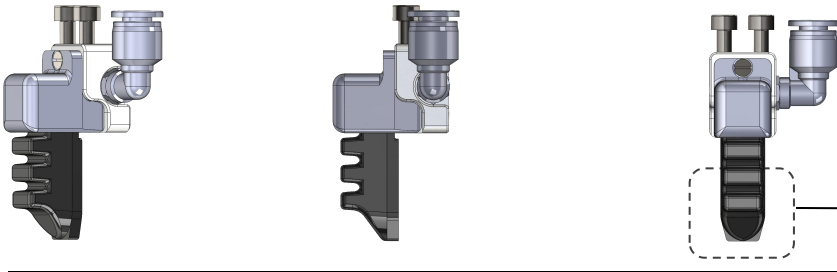
Sensor Installation

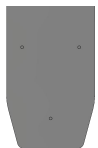







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

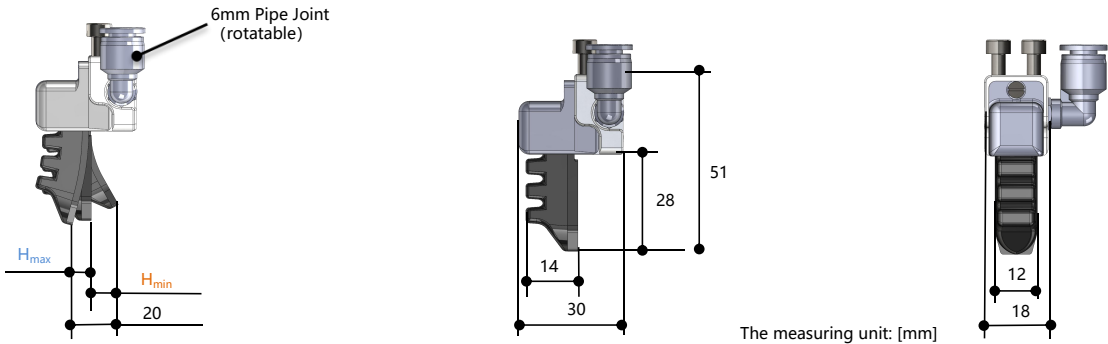
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|--|------------|
| FM-C4V2/LF1[P] | | FM-C4V2/LF1[PAS] | | | FM-C4V2/LF1[H] | | FM-C4V2/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 27 | 11 | 3 |  220 |  91 | 27 |



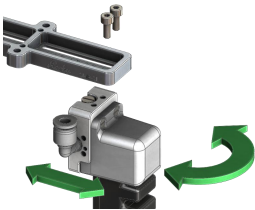
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



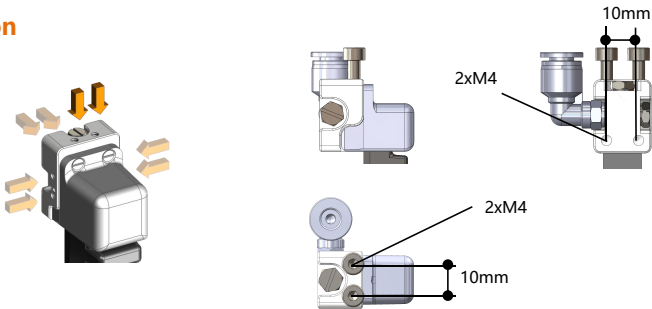
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



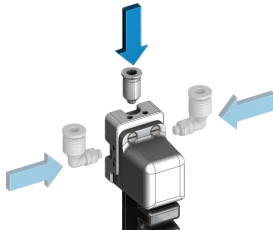
Pose Adjustment



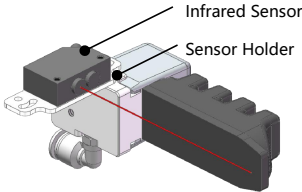
Fixation



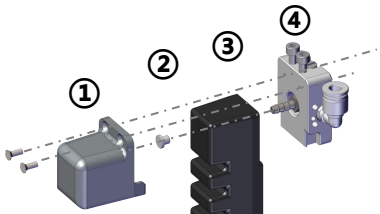
Air Intake



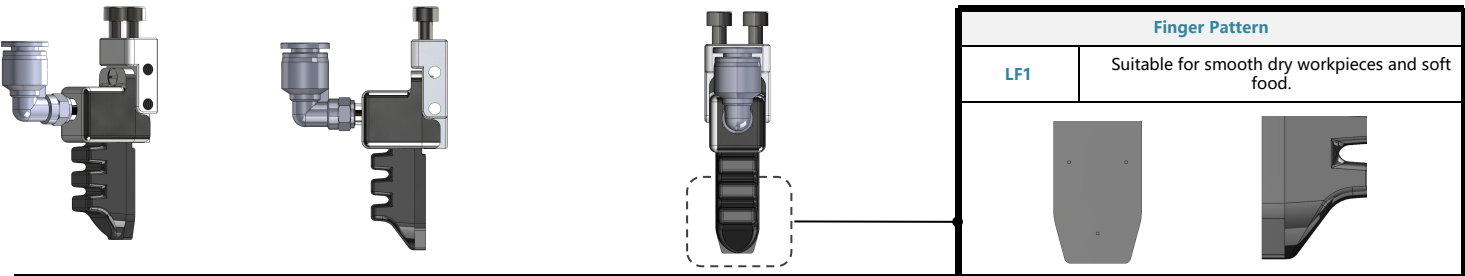
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|--|------------|
| FM-C4V3/LF1[P] | | FM-C4V3/LF1[PAS] | | | FM-C4V3/LF1[H] | | FM-C4V3/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 25 | 11 | 3 |  220 |  91 | 25 |

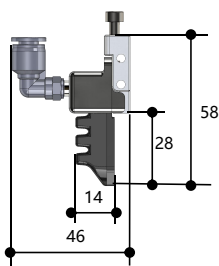
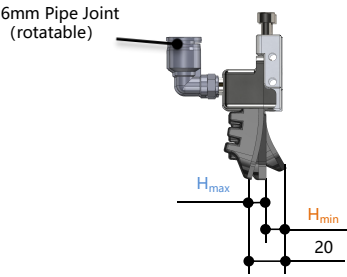


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



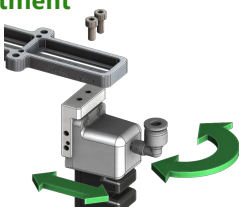
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

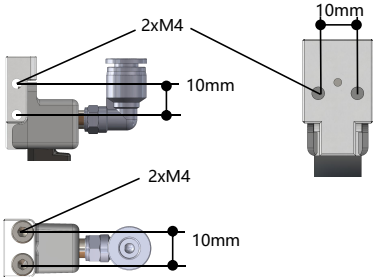
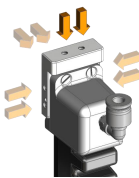


The measuring unit: [mm]

Pose Adjustment



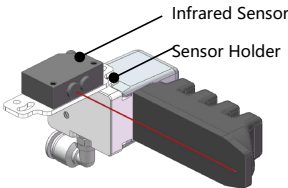
Fixation



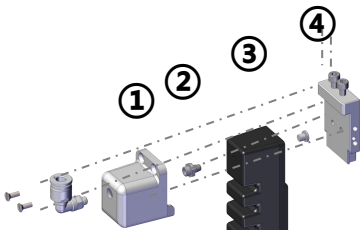
Air Intake



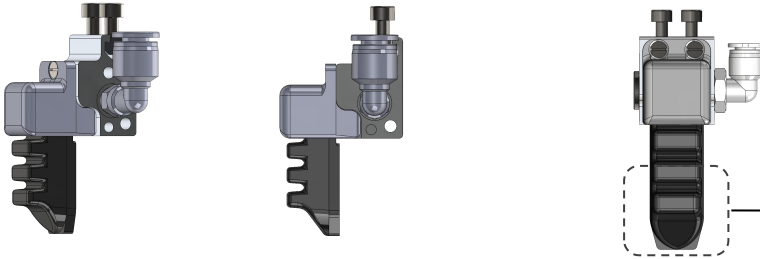
Sensor Installation

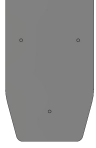





Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

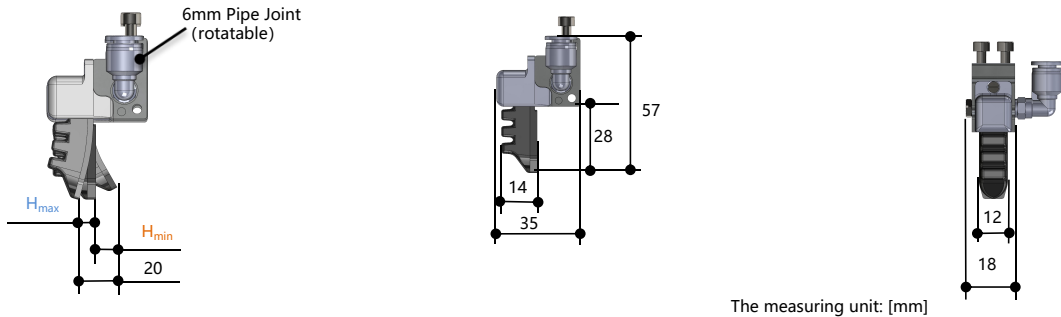
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|--|------------|
| FM-C4V4/LF1[P] | | FM-C4V4/LF1[PAS] | | FM-C4V4/LF1[H] | | FM-C4V4/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 | ⚠️ 120 |  104 | 36 | 11 | 3 | ⚠️ 220 |  91 | 36 |



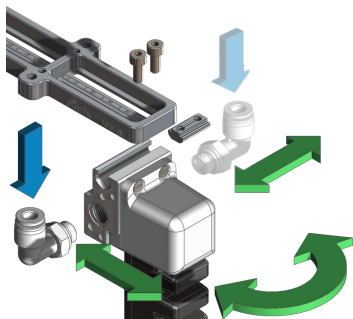
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



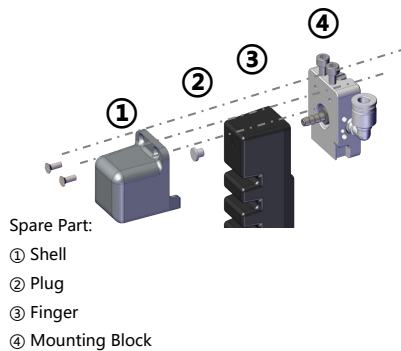
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

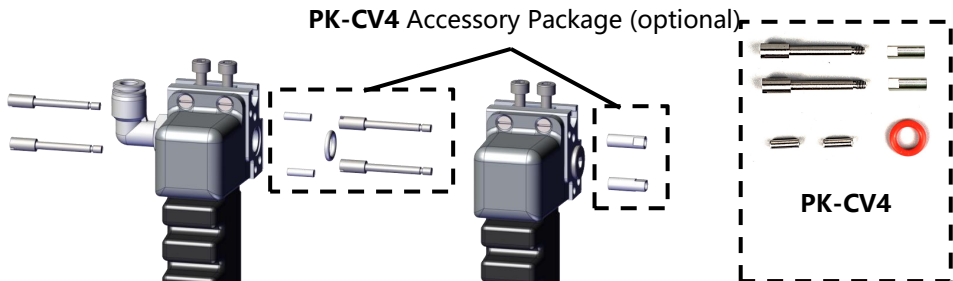


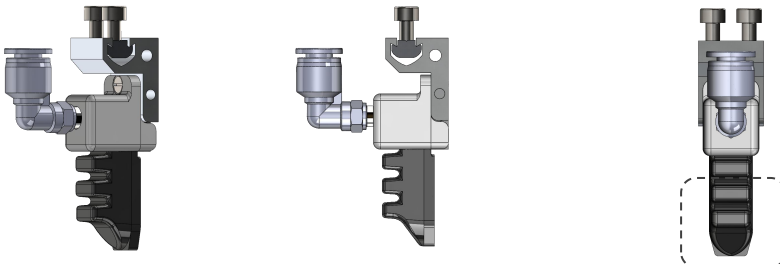
Assembly







Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.






| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

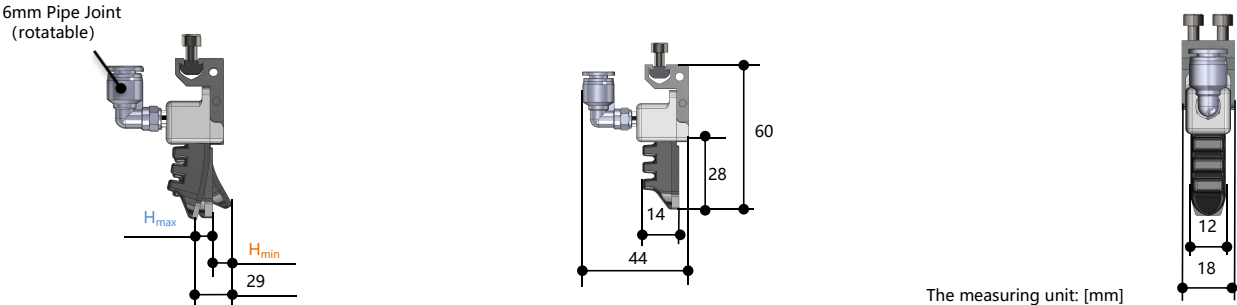
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|---------------------|--|------------|
| FM-C4V5/LF1[P] | | FM-C4V5/LF1[PAS] | | FM-C4V5/LF1[H] | | FM-C4V5/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 | ⚠️ 120 |  104 | 28 | 11 | 3 | ⚠️ 220 |  91 | 28 |



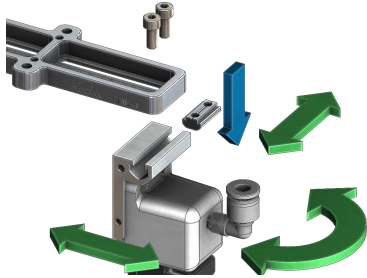
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



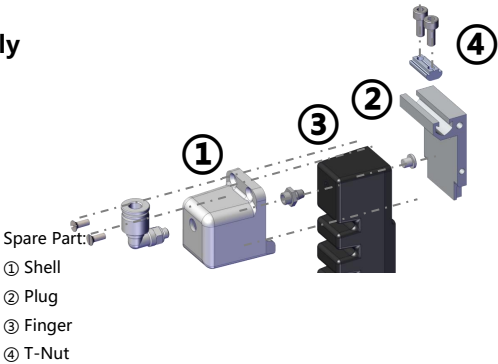
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

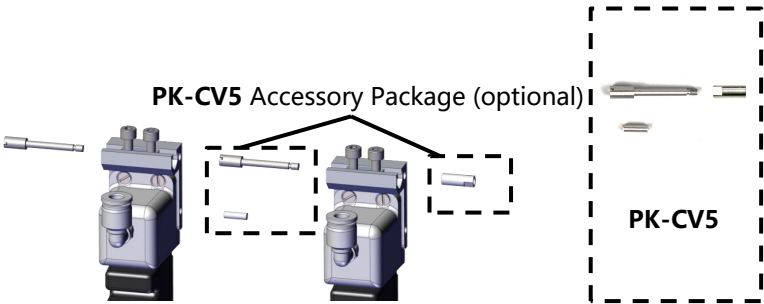


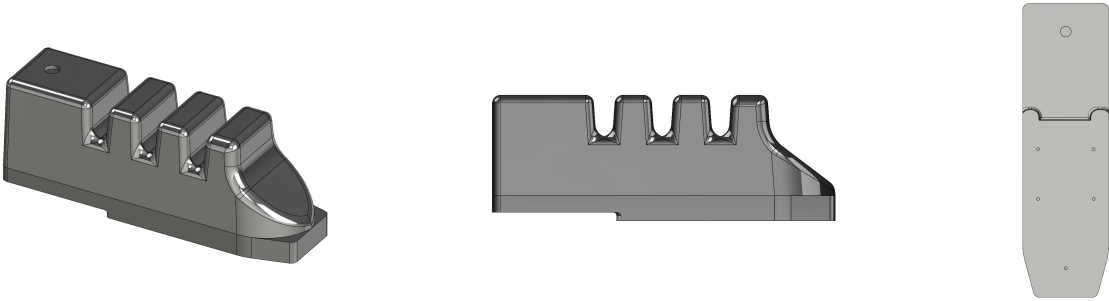
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



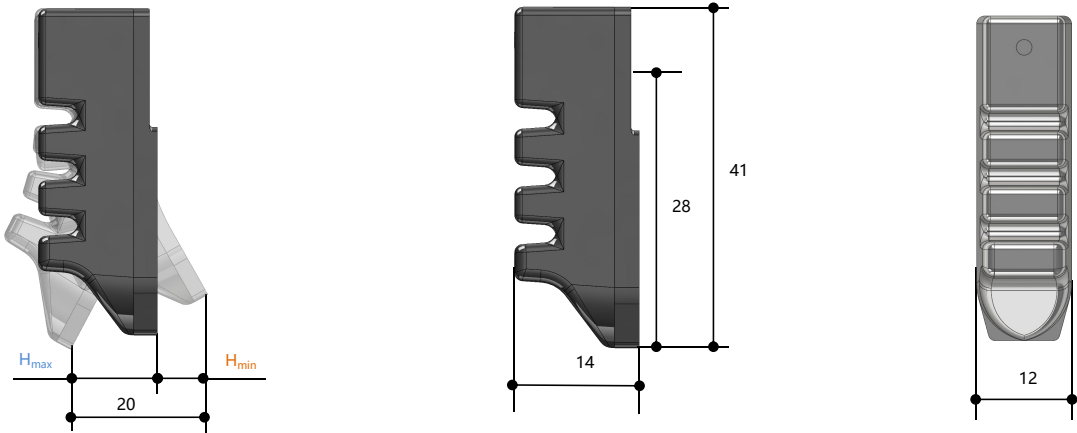


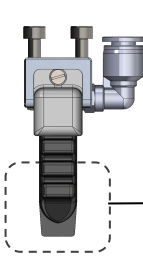
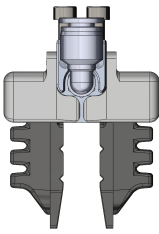
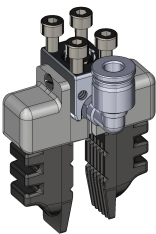
| Finger Pattern | | Features | | | | | | | | |
|---|---|---|---|------------|---|---|---------------------|--|------------|--|
| LF1 | Special Form | Suitable for smooth dry workpieces and soft food. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-C4T/LF1[P] | | F-C4T/LF1[PAS] | | | F-C4T/LF1[H] | | | F-C4T/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 11 | 9 | ⚠ 120 |  104 | 5 | 11 | 3 | ⚠ 220 |  91 | 5 | |

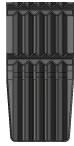
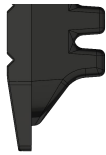
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Dimension Parameters






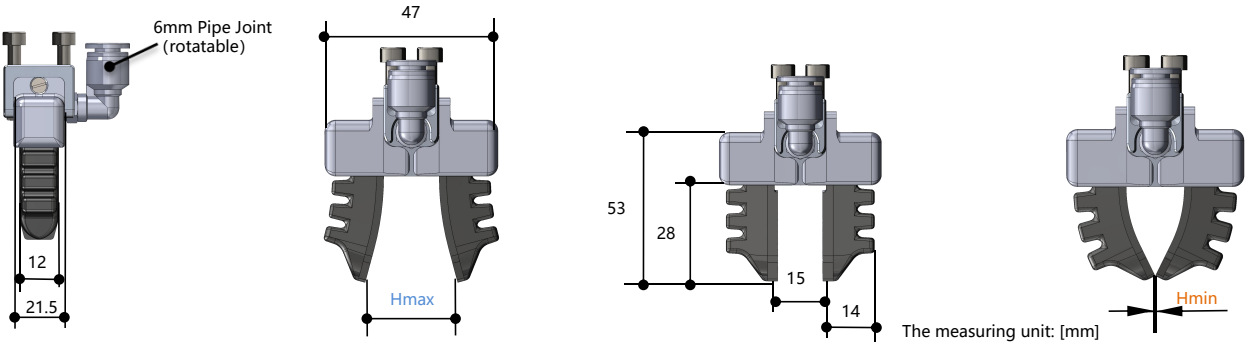
| Finger Pattern | |
|---|---|
| V15 | Suitable for grasping the side of a thin plate and is not easy to swing. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-C4V1/V15[P] | | FM-C4V1/V15[PAS] | | | FM-C4V1/V15[H] | | FM-C4V1/V15[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 33 | ⚠️ 120 | 📦 208 | 44 | 0 | 21 | ⚠️ 220 | 📦 182 | 44 |

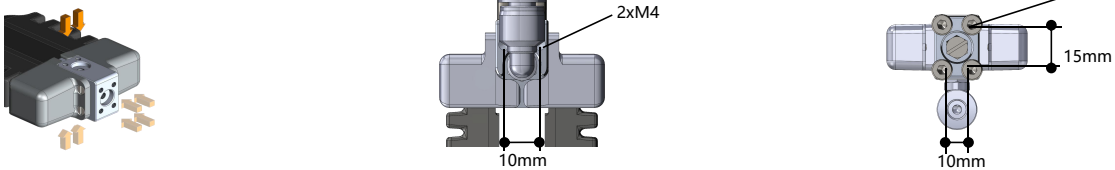
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

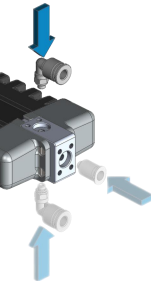
Finger Module



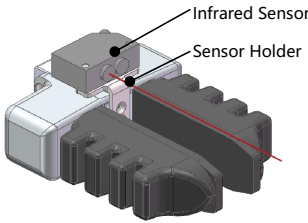
Fixation



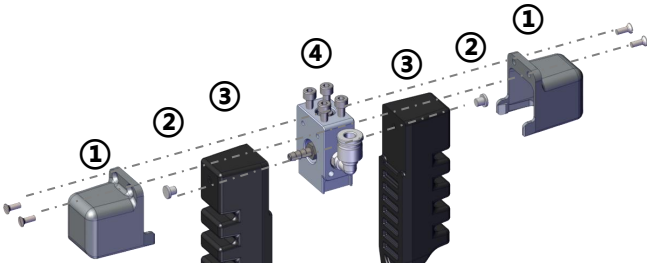
Air Intake



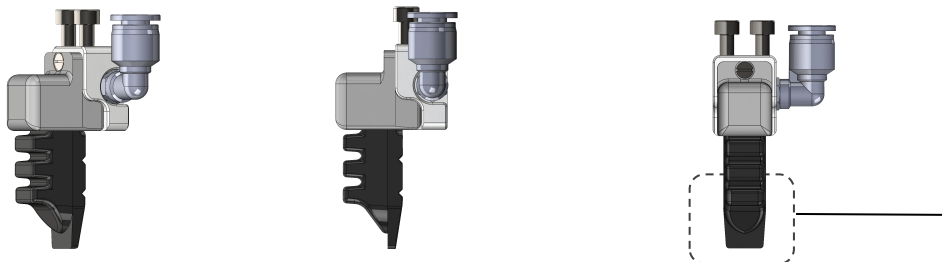
Sensor Installation

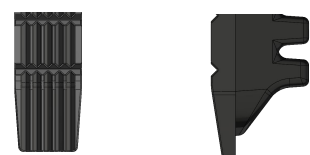




Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|--|
| V15 | Suitable for grasping the side of a thin plate and is not easy to swing. |
|  | |

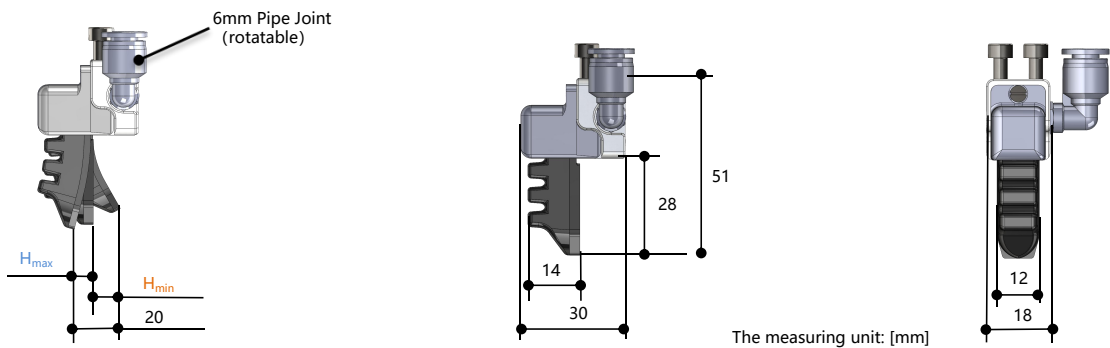
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|--------------------|---|---|---------------------|--|------------|
| FM-C4V2/V15[P] | | FM-C4V2/V15[PAS] | | FM-C4V2/V15[H] | | FM-C4V2/V15[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 | ⚠ 120 |  104 | 27 | 11 | 3 | ⚠ 220 |  91 | 27 |



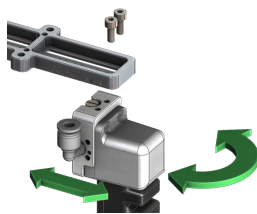
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



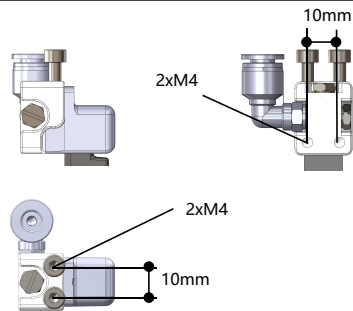
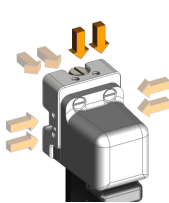
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



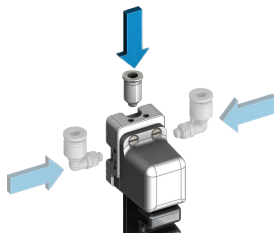
Pose Adjustment



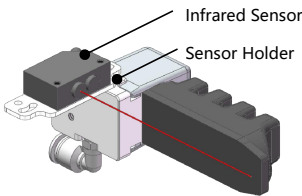
Fixation



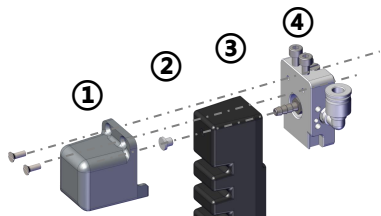
Air Intake



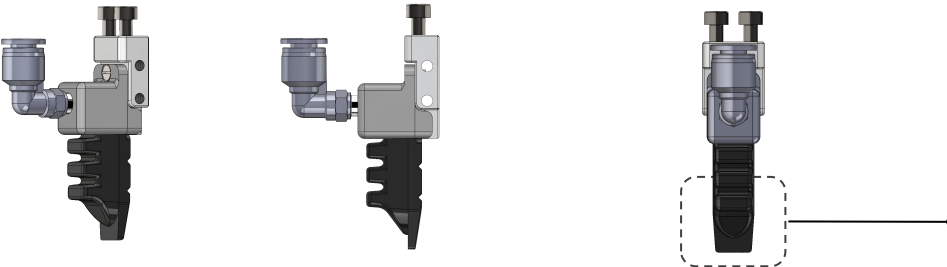




Sensor Installation



Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

| | | | | | | | | | |
|---|---|---------------------------|---|-----------------------|---|---|------------------------|--|---------------|
|  | | | | | Finger Pattern | | | | |
| | | | | | V15 | Suitable for grasping the side of a thin plate and is not easy to swing. | | | |
| | | | | |  |  | | | |
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
| FM-C4V3/V15[P] | | FM-C4V3/V15[PAS] | | FM-C4V3/V15[H] | | FM-C4V3/V15[HAS] | | | |
| Finger color: Black | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 | ⚠ 120 |  104 | 25 | 11 | 3 | ⚠ 220 |  91 | 25 |

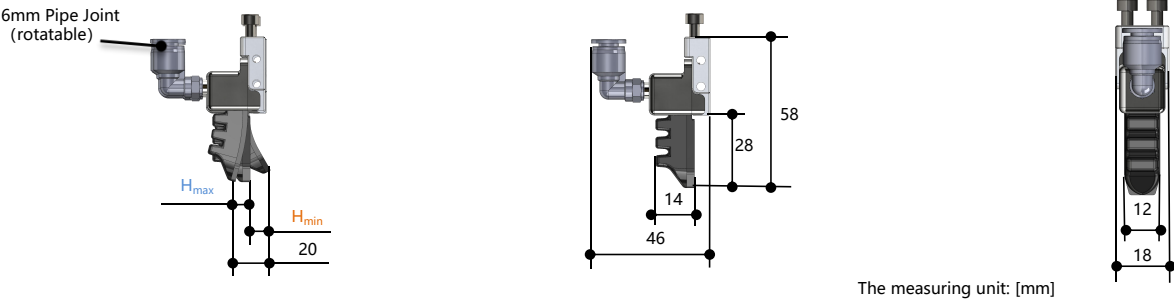


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

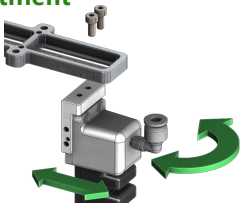


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

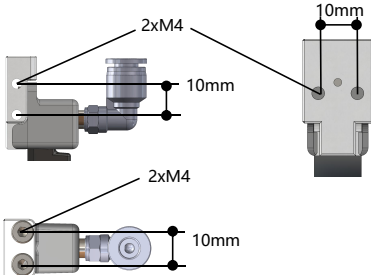
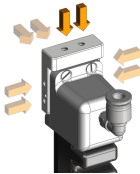
Finger Module



Pose Adjustment



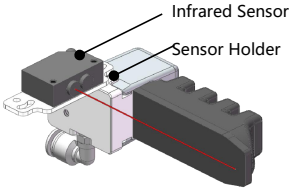
Fixation



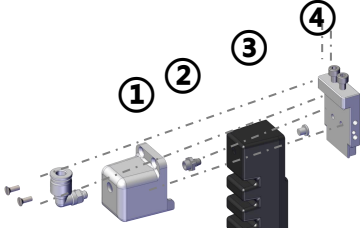
Air Intake



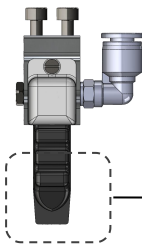
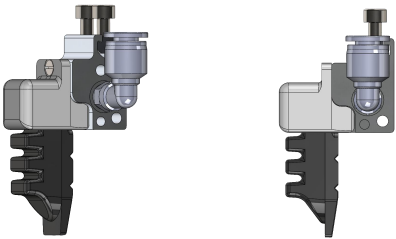
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

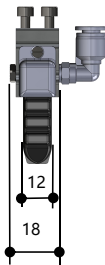
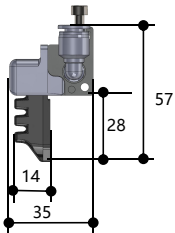
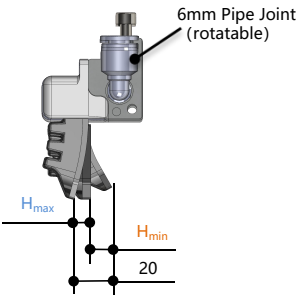


| Finger Pattern | |
|----------------|--|
| V15 | Suitable for grasping the side of a thin plate and is not easy to swing. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|--|------------|
| FM-C4V4/V15[P] | | FM-C4V4/V15[PAS] | | | FM-C4V4/V15[H] | | FM-C4V4/V15[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 |  120 |  104 | 36 | 11 | 3 |  220 |  91 | 36 |

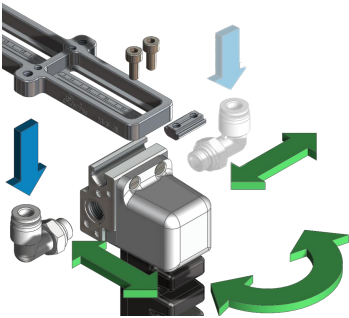
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

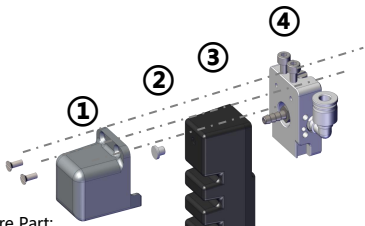


The measuring unit: [mm]

Air Intake & Pose Adjustment



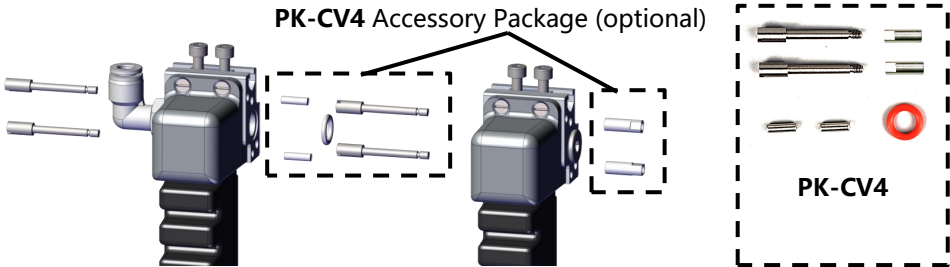
Assembly

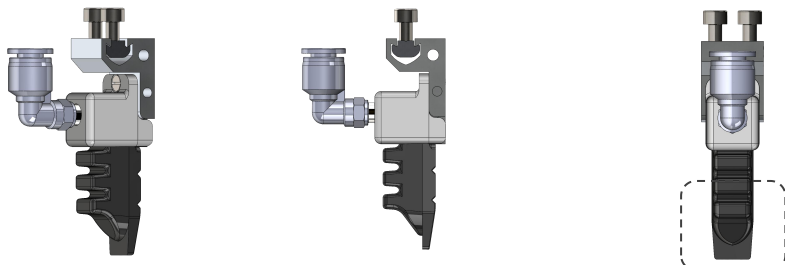
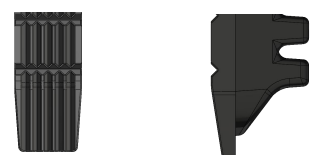




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Series combination:

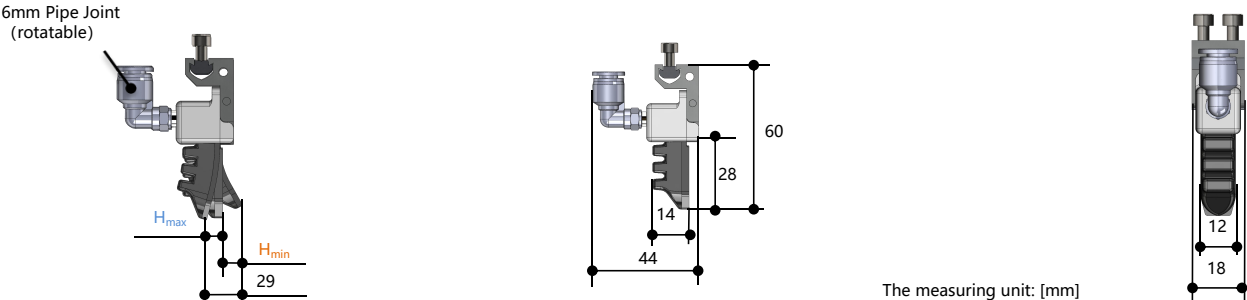
- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



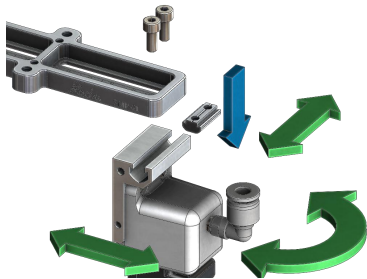
| | | | | | | | | | |
|--|---|---|---|-----------------------------------|---|---|------------------------|--|---------------|
|  | | | <div>Finger Pattern</div> <div><div>V15</div><div>Suitable for grasping the side of a thin plate and is not easy to swing.</div></div> <div></div> | | | | | | |
| Normal Material FM-C4V5/V15[P] | | Dust-free Normal Material FM-C4V5/V15[PAS] | | Strong Material FM-C4V5/V15[H] | | Dust-free Strong Material FM-C4V5/V15[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 11 | 9 | ⚠ 120 |  104 | 28 | 11 | 3 | ⚠ 220 |  91 | 28 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

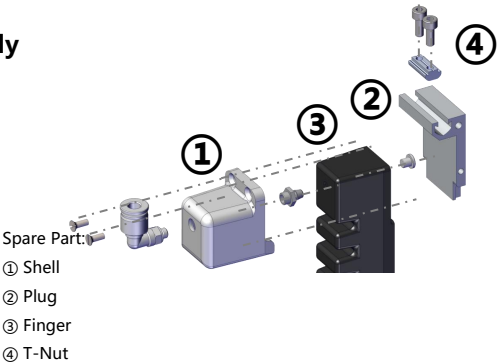
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

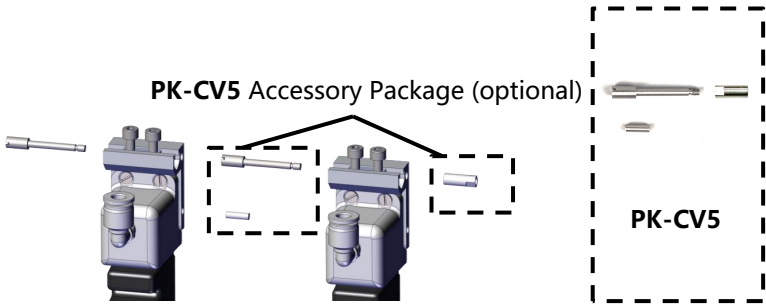


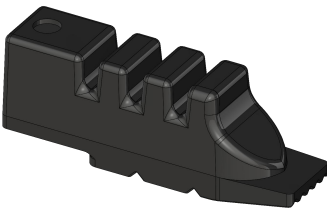
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



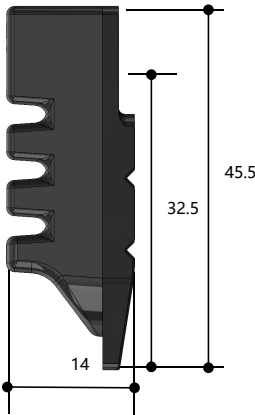
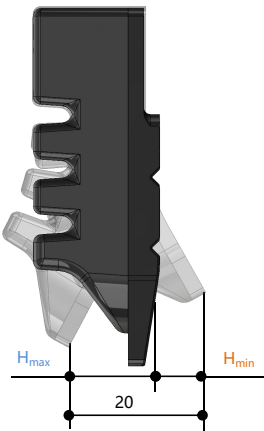


| Finger Pattern | | Features | | | | | | | | |
|---|---|--|---|------------|---|---|---------------------|--|------------|--|
| V15 | Special Form | Suitable for grasping the side of a thin plate and is not easy to swing. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-C4T/V15[P] | | F-C4T/V15[PAS] | | | F-C4T/V15[H] | | | F-C4T/V15[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 11 | 9 | ⚠ 120 |  104 | 5 | 11 | 3 | ⚠ 220 |  91 | 5 | |

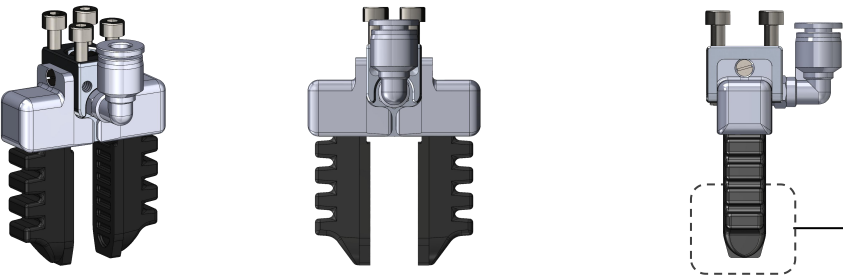
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.


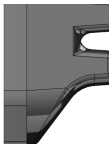
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters





Finger Module



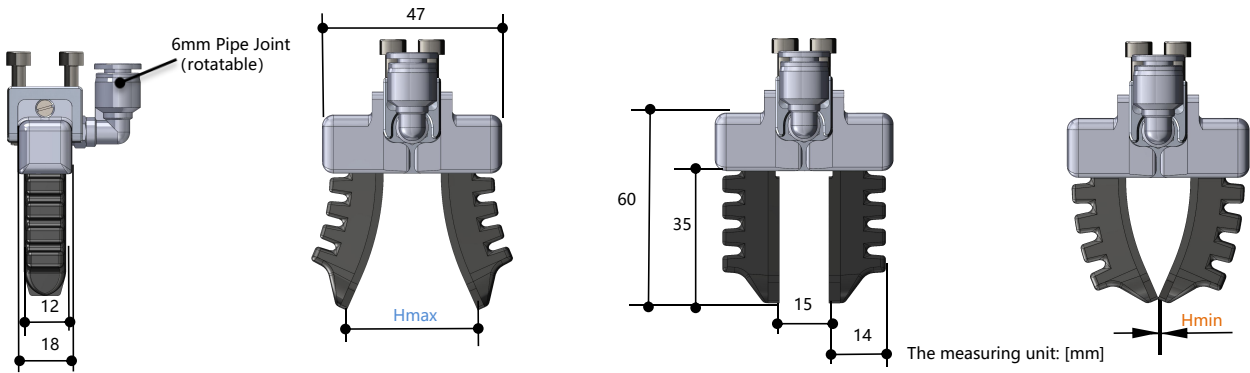
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---|------------|---|---|---------------------------|---|------------|
| FM-C5V1/LS1[P] | | FM-C5V1/LS1[PAS] | | | FM-C5V1/LS1[H] | | FM-C5V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 39 | ⚠ 120 |  186 | 45 | 0 | 31 | ⚠ 220 |  182 | 45 |

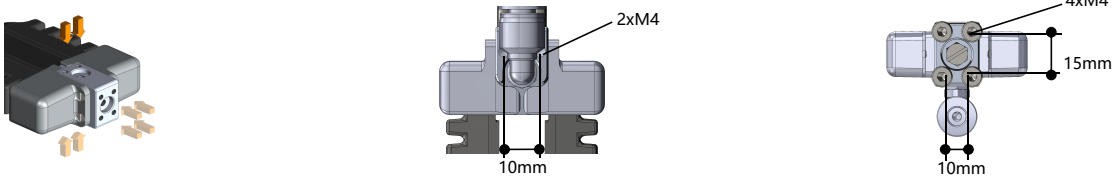
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

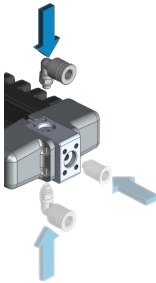
Finger Module



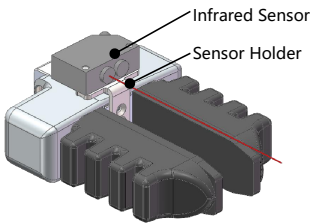
Fixation



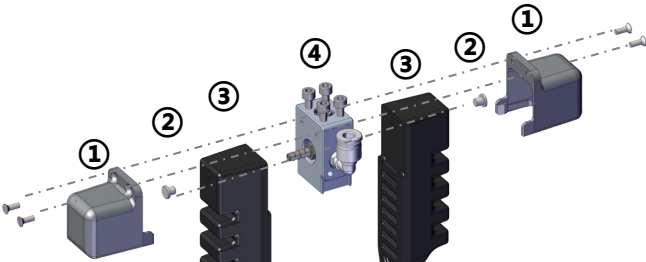
Air Intake



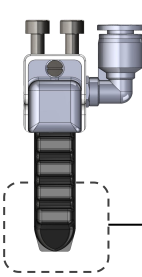
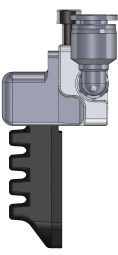
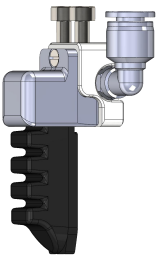
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

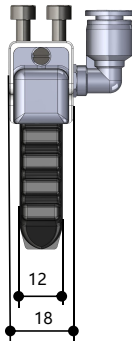
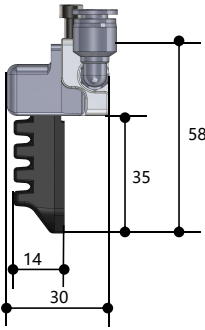
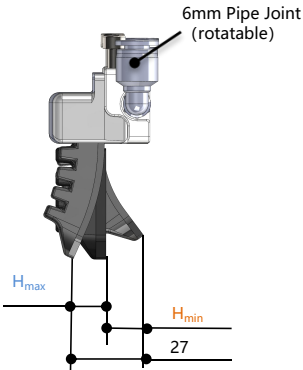


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C5V2/LS1[P] | | FM-C5V2/LS1[PAS] | | | FM-C5V2/LS1[H] | | FM-C5V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 28 | 15 | 8 |  220 |  91 | 28 |

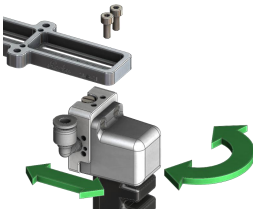
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

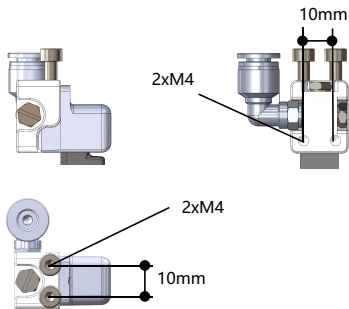
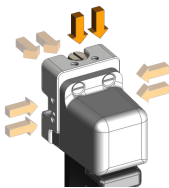


The measuring unit: [mm]

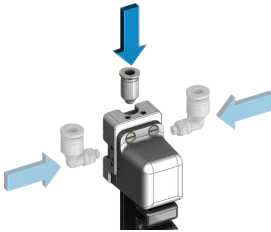
Pose Adjustment



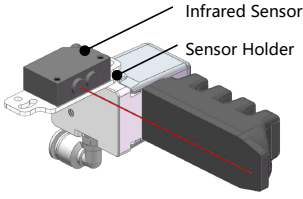
Fixation



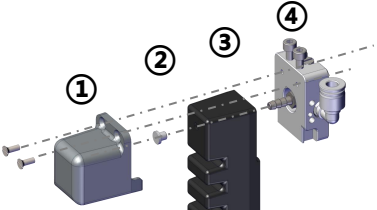
Air Intake



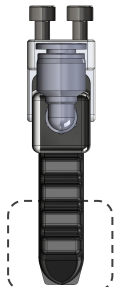
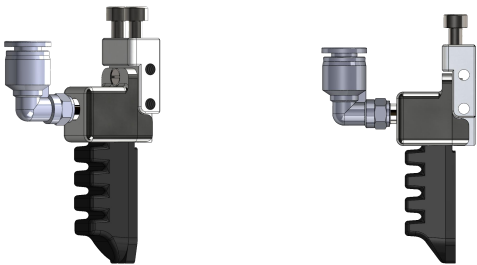
Sensor Installation









Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

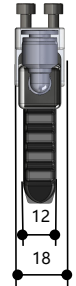
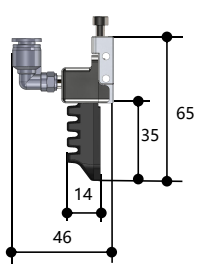
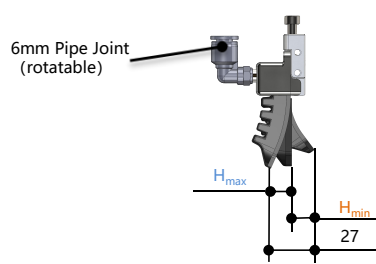
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|--|--|------------|
| FM-C5V3/LS1[P] | | FM-C5V3/LS1[PAS] | | | FM-C5V3/LS1[H] | | FM-C5V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 26 | 15 | 8 |  220 |  91 | 26 |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

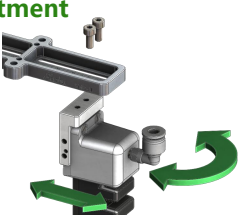


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

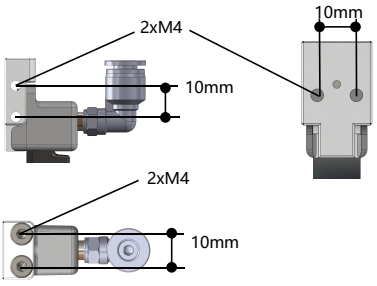
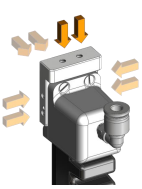


The measuring unit: [mm]

Pose Adjustment



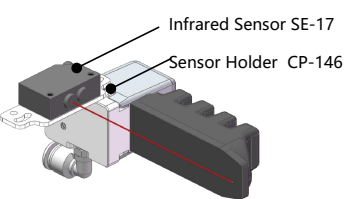
Fixation



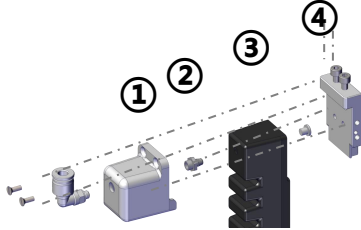
Air Intake



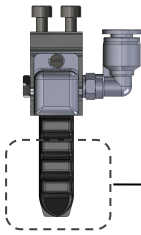
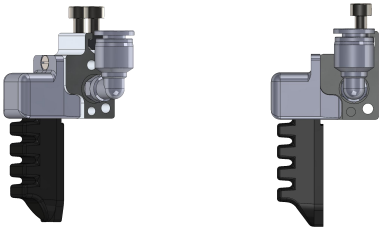
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

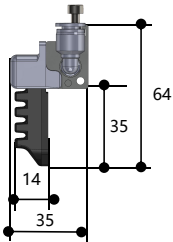
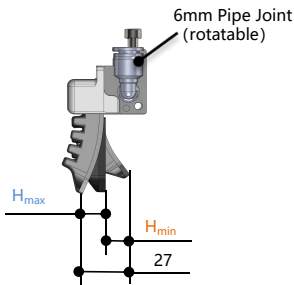


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

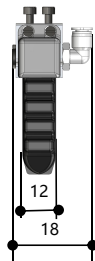
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C5V4/LS1[P] | | FM-C5V4/LS1[PAS] | | | FM-C5V4/LS1[H] | | FM-C5V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 37 | 15 | 8 |  220 |  91 | 37 |

⚠️ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

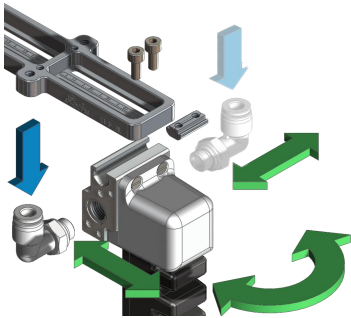
📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



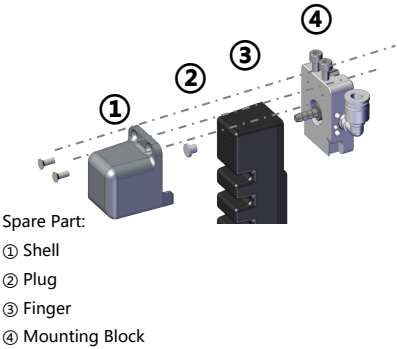
The measuring unit: [mm]



Air Intake & Pose Adjustment

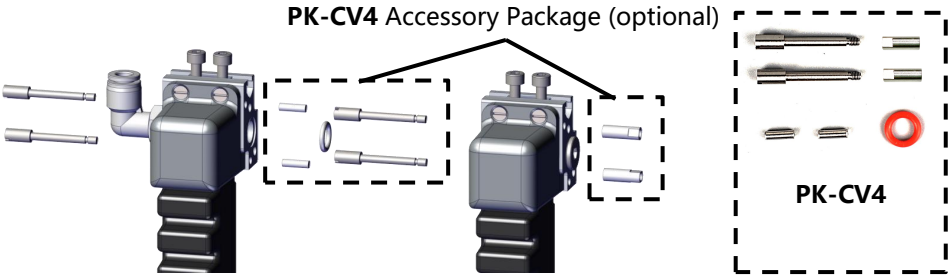


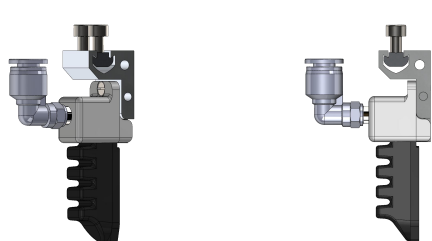
Assembly








Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  | |

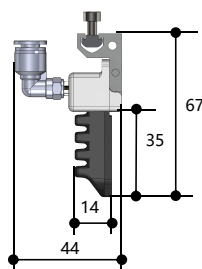
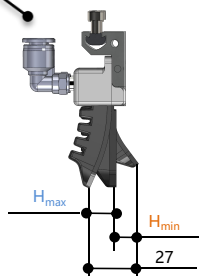
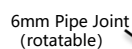
| | | | | | | | | | |
|---|---|---|--|---------------|---|---|---|--|---------------|
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
| FM-C5V5/LS1[P] | | FM-C5V5/LS1[PAS] | | | FM-C5V5/LS1[H] | | FM-C5V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 29 | 15 | 8 |  220 |  91 | 29 |



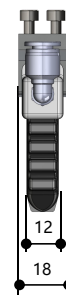
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



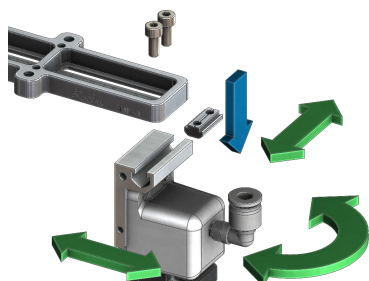
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



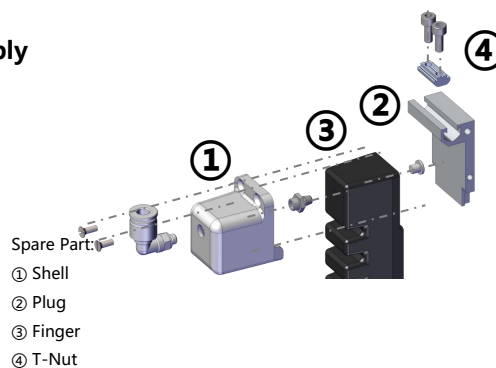
The measuring unit: [mm]



Air Intake & Pose Adjustment



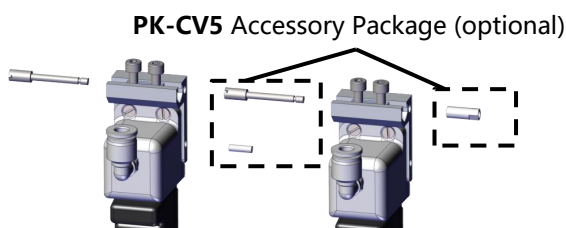
Assembly

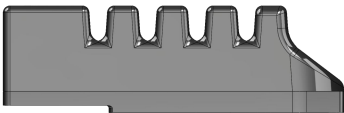
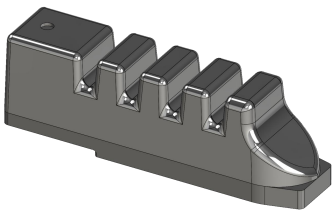




Series combination:

1. Build multiple finger modules in series to increase the grip force.
2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.

*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



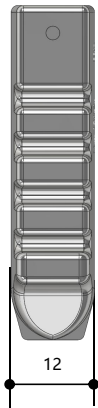
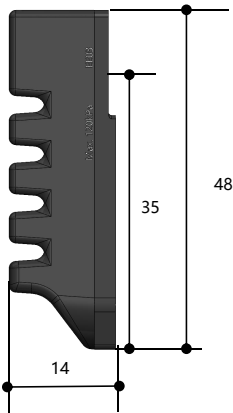
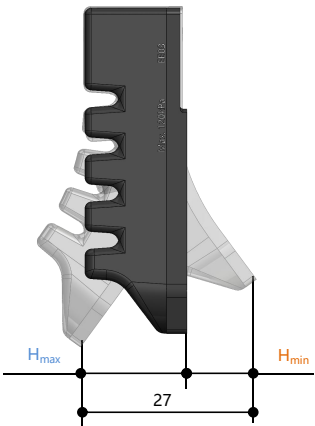


| Finger Pattern | | Features | | | | | | | |
|---|---|---|--|------------|---|---|---------------------|--|------------|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | |
| Normal Material F-C5T/LS1[P] | | Dust-free Normal Material F-C5T/LS1[PAS] | | | Strong Material F-C5T/LS1[H] | | | Dust-free Strong Material F-C5T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 | ⚠ 120 |  98 | 6 | 15 | 8 | ⚠ 220 |  91 | 6 |

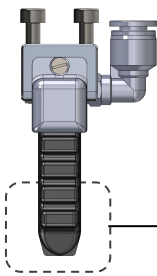
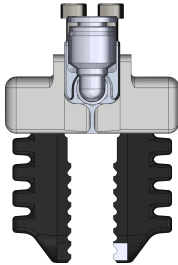
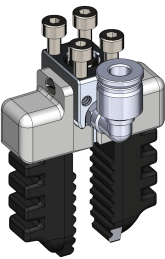
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Dimension Parameters




Finger Module



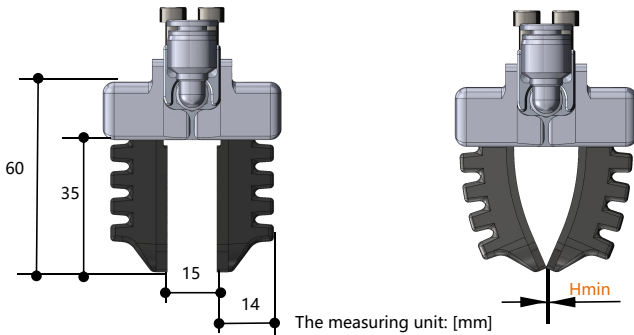
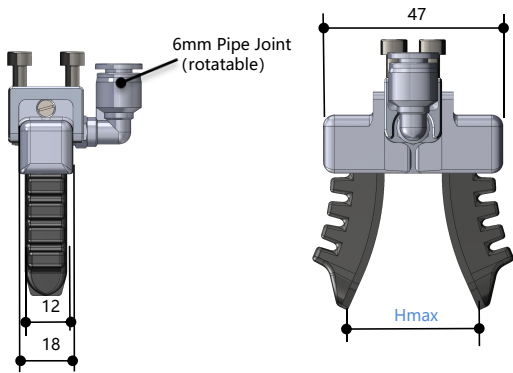
| Finger Pattern | |
|---|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---|------------|---|---|---------------------------|---|------------|
| FM-C5V1/LS8[P] | | FM-C5V1/LS8[PAS] | | | FM-C5V1/LS8[H] | | FM-C5V1/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 39 | ⚠ 120 |  196 | 45 | 0 | 31 | ⚠ 220 |  182 | 45 |

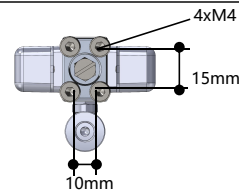
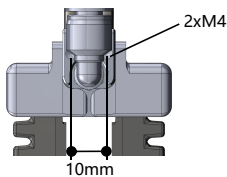
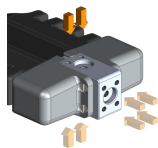
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

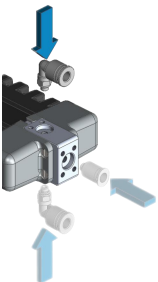
Finger Module



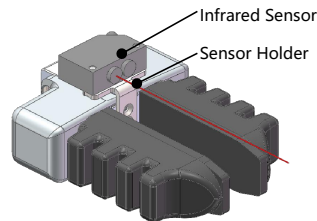
Fixation



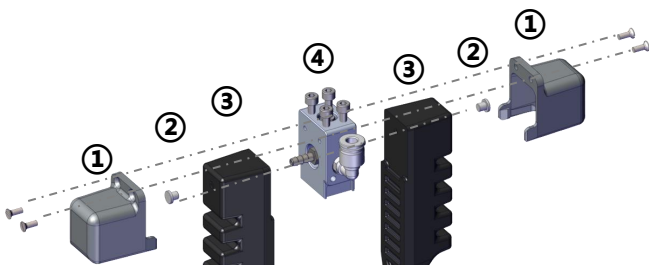
Air Intake



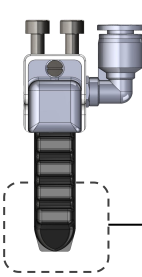
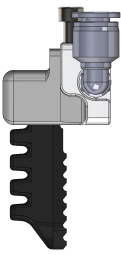
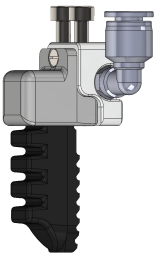
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

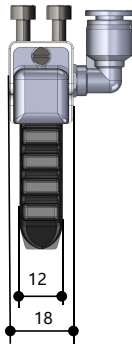
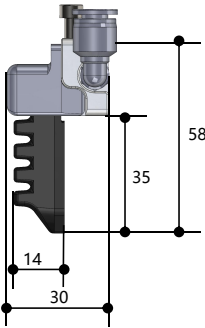
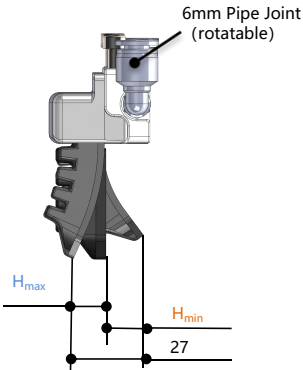


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C5V2/LS8[P] | | | FM-C5V2/LS8[PAS] | | FM-C5V2/LS8[H] | | | FM-C5V2/LS8[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 28 | 15 | 8 |  220 |  91 | 28 |

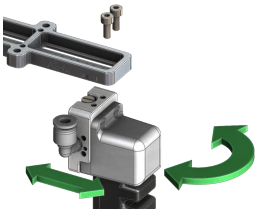
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

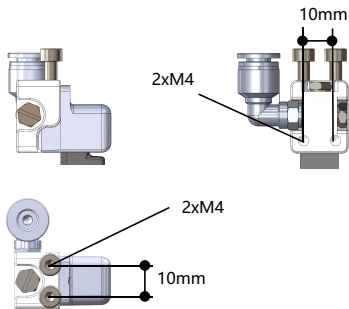
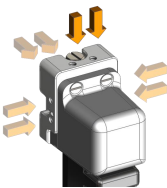


The measuring unit: [mm]

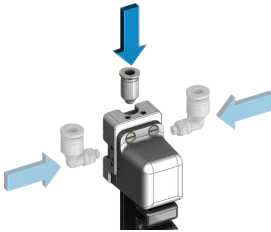
Pose Adjustment



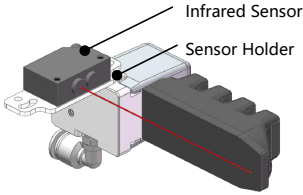
Fixation



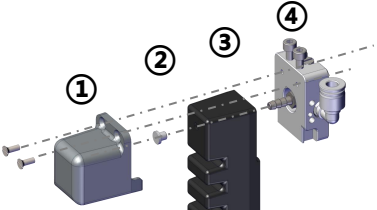
Air Intake



Sensor Installation

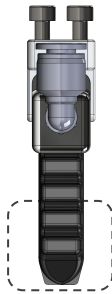
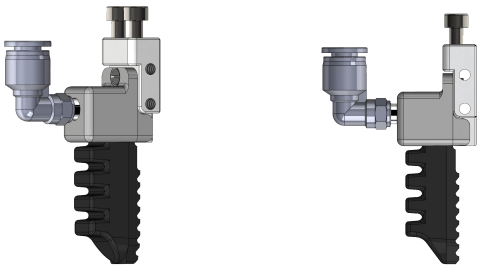


Assembly





- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

Finger Module



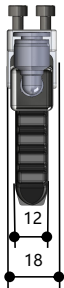
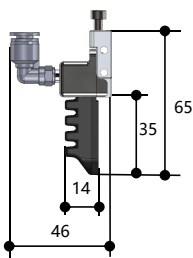
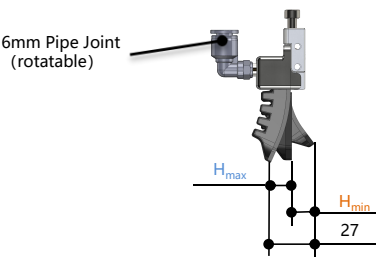
| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|---------------|---|---|--|--|---------------|
| FM-C5V3/LS8[P] | | FM-C5V3/LS8[PAS] | | | FM-C5V3/LS8[H] | | FM-C5V3/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 26 | 15 | 8 |  220 |  91 | 26 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

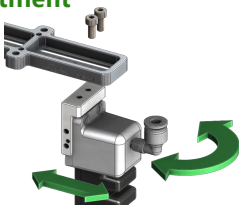
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

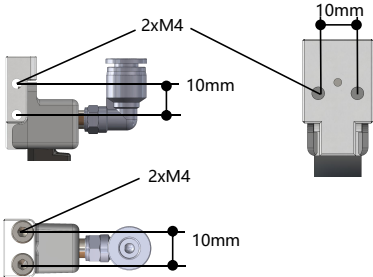
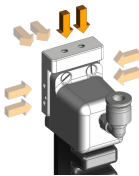


The measuring unit: [mm]

Pose Adjustment



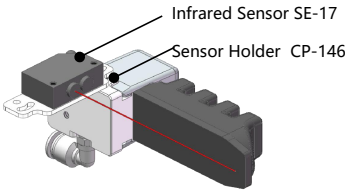
Fixation



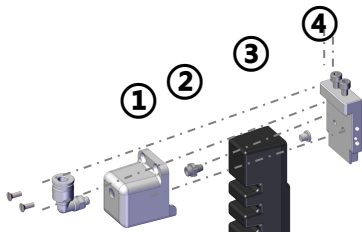
Air Intake



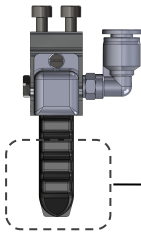
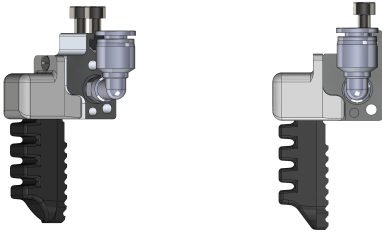
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

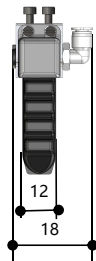
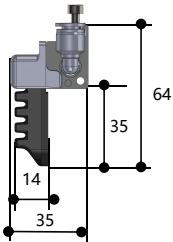
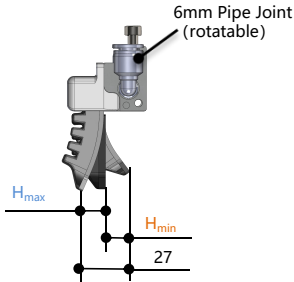


| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C5V4/LS8[P] | | FM-C5V4/LS8[PAS] | | | FM-C5V4/LS8[H] | | FM-C5V4/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 37 | 15 | 8 |  220 |  91 | 37 |

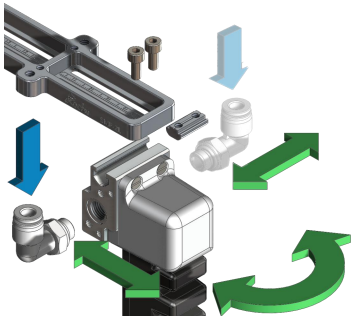
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

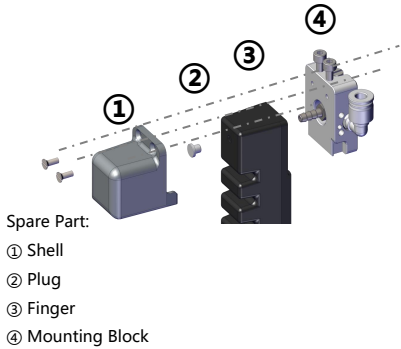


The measuring unit: [mm]

Air Intake & Pose Adjustment

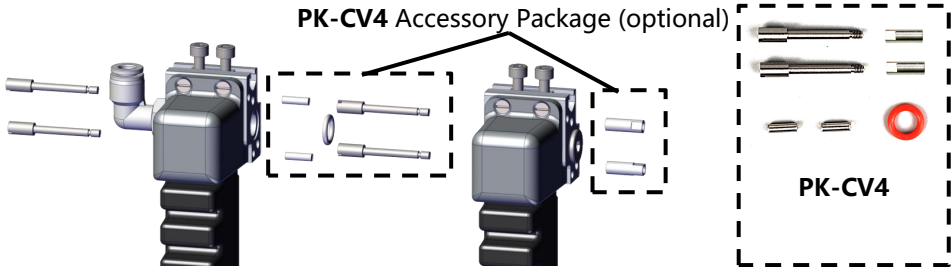


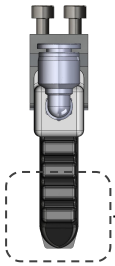
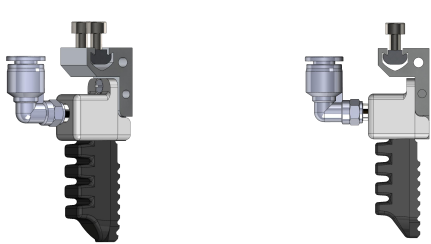
Assembly







Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





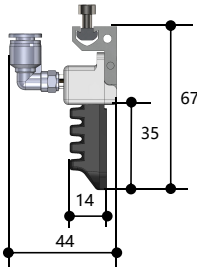
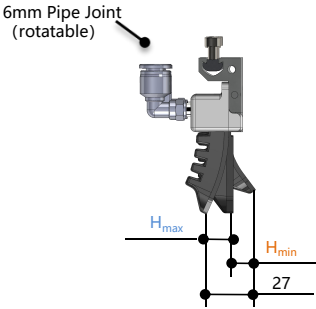
| Finger Pattern | |
|----------------|---|
| LS8 | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|---------------|---|---|---|--|---------------|
| FM-C5V5/LS8[P] | | FM-C5V5/LS8[PAS] | | | FM-C5V5/LS8[H] | | FM-C5V5/LS8[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 29 | 15 | 8 |  220 |  91 | 29 |

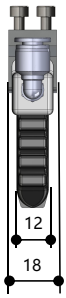
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

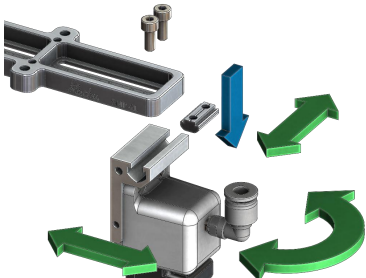
Finger Module



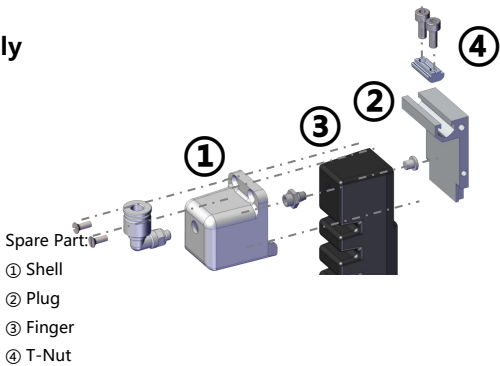
The measuring unit: [mm]



Air Intake & Pose Adjustment

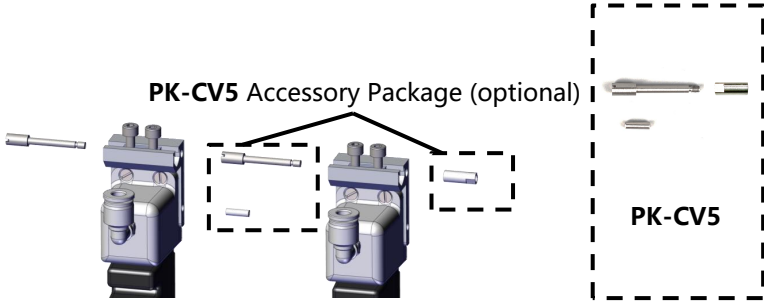


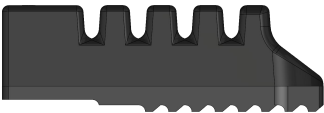
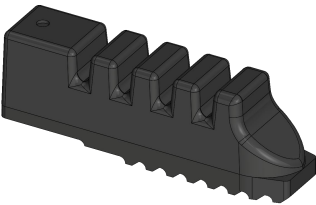
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|------------|
| LS8 | Special Form | | Suitable for sheet metal parts, flat glass, PCB board, car headlight, and other plates. | | | | | | |
| Normal Material F-C5T/LS8[P] | | | Dust-free Normal Material F-C5T/LS8[PAS] | | Strong Material F-C5T/LS8[H] | | | Dust-free Strong Material F-C5T/LS8[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 | ⚠ 120 | 🔧 98 | 6 | 15 | 8 | ⚠ 220 | 🔧 91 | 6 |

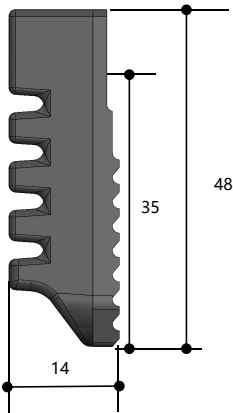
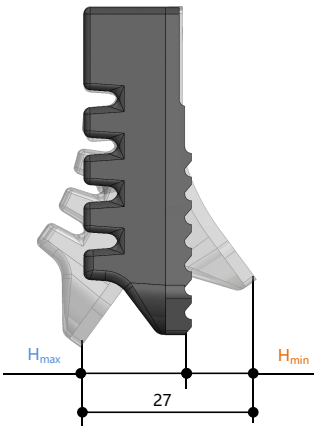


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

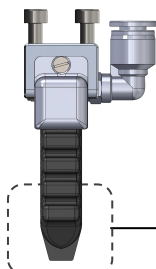
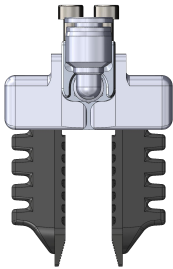
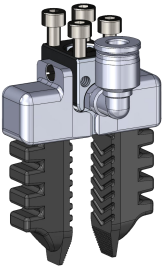


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



Finger Module



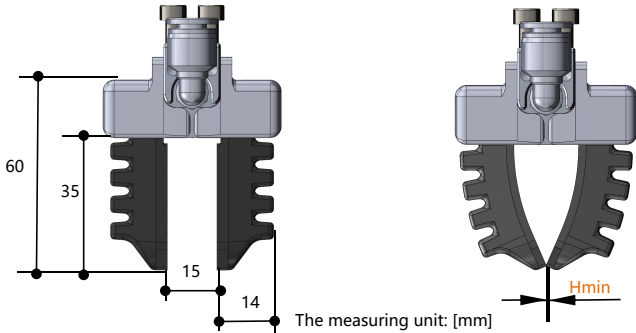
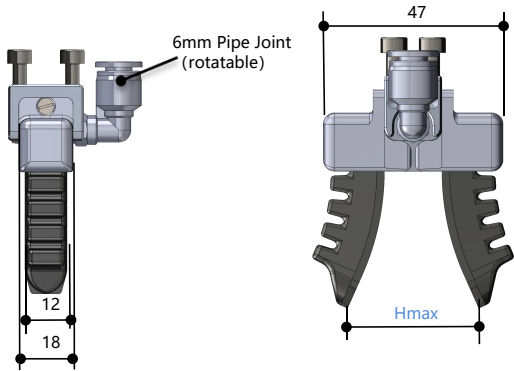
| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-C5V1/FS3[P] | | FM-C5V1/FS3[PAS] | | | FM-C5V1/FS3[H] | | FM-C5V1/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 39 |  120 |  196 | 45 | 0 | 31 |  220 |  182 | 45 |

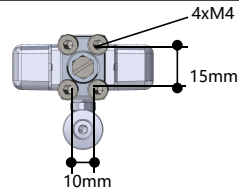
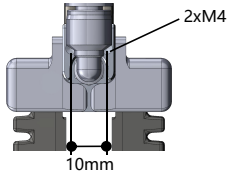
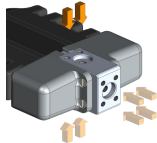
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

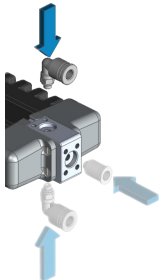
Finger Module



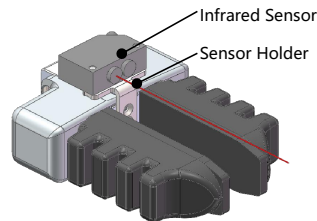
Fixation



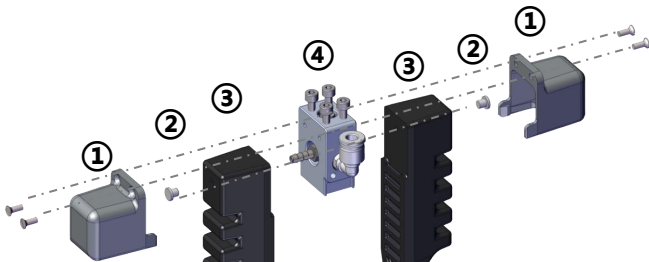
Air Intake



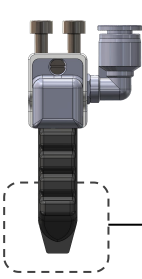
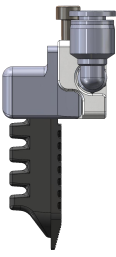
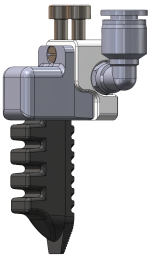
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

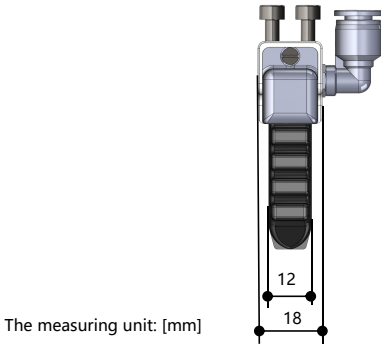
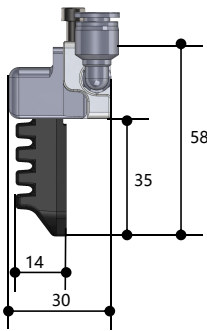
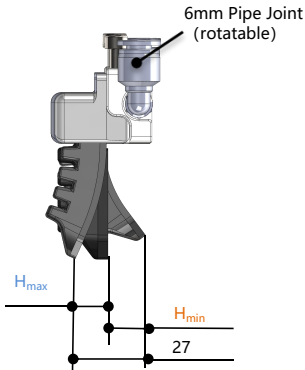


| Finger Pattern | |
|----------------|------------------------------------|
| FS3 | Suitable for soft fabric products. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C5V2/FS3[P] | | FM-C5V2/FS3[PAS] | | | FM-C5V2/FS3[H] | | FM-C5V2/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 28 | 15 | 8 |  220 |  91 | 28 |

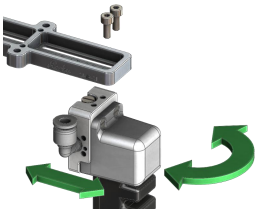
⚠️ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

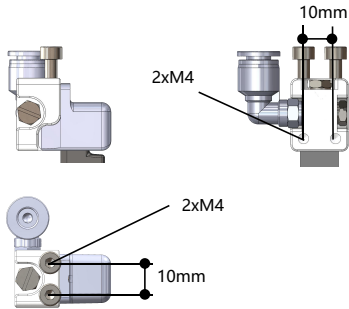
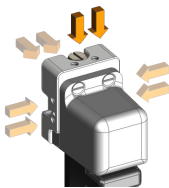


The measuring unit: [mm]

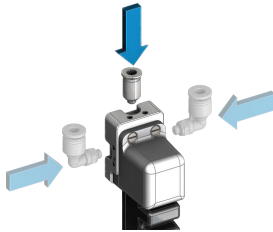
Pose Adjustment



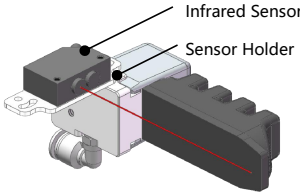
Fixation



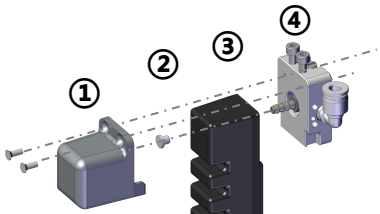
Air Intake



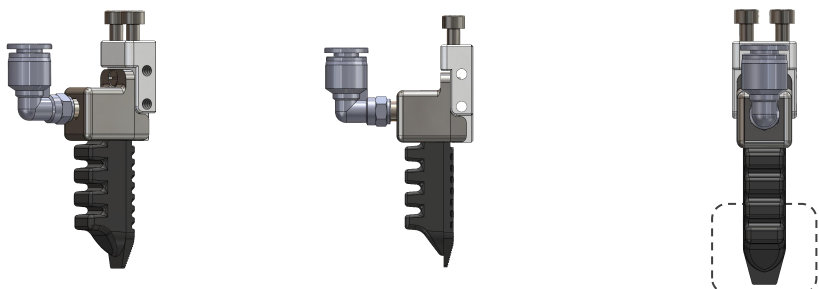
Sensor Installation







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

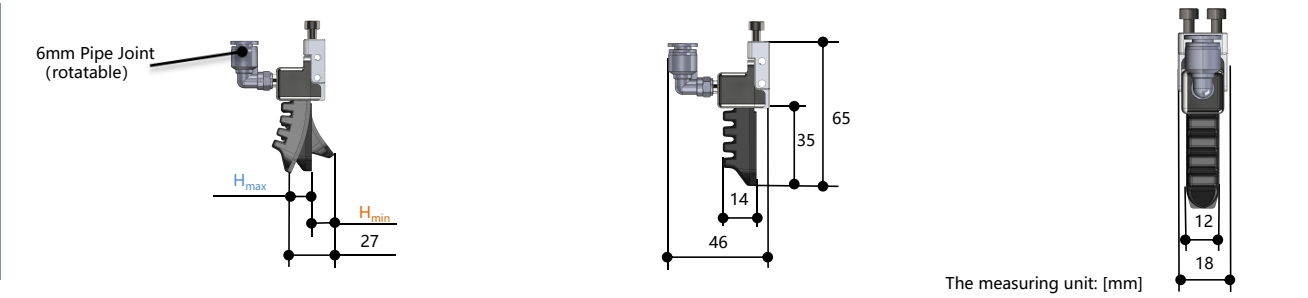
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|--|-----------------|---|---|---------------------|--|------------|
| FM-C5V3/FS3[P] | | FM-C5V3/FS3[PAS] | | FM-C5V3/FS3[H] | | FM-C5V3/FS3[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 | ⚠️ 120 |  98 | 26 | 15 | 8 | ⚠️ 220 |  91 | 26 |



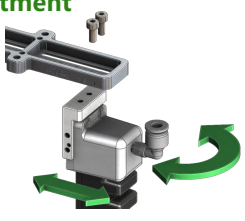
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



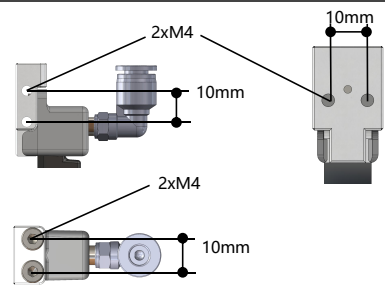
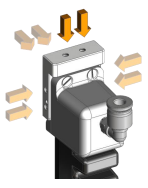
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment



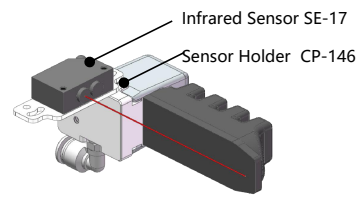
Fixation



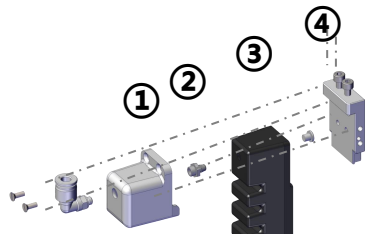
Air Intake



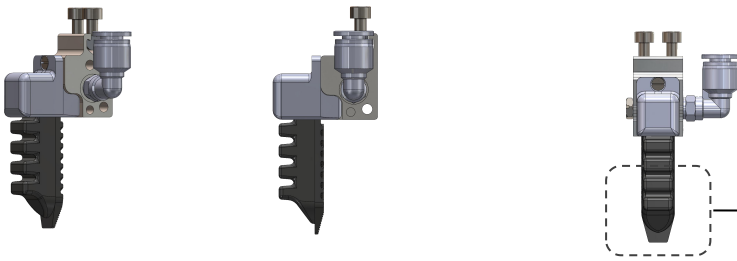
Sensor Installation





Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

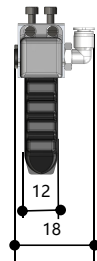
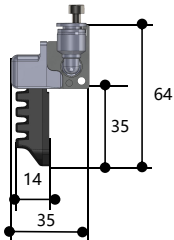
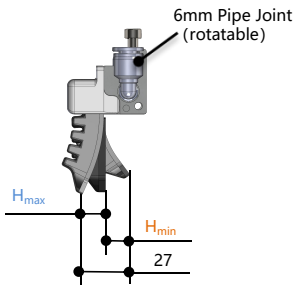
| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|---------------------------|--|--|
| FM-C5V4/FS3[P] | | | FM-C5V4/FS3[PAS] | | | FM-C5V4/FS3[H] | | | FM-C5V4/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 15 | 12 | ⚠️ 120 | 📦 98 | 37 | 15 | 8 | ⚠️ 220 | 📦 91 | 37 | | |



Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

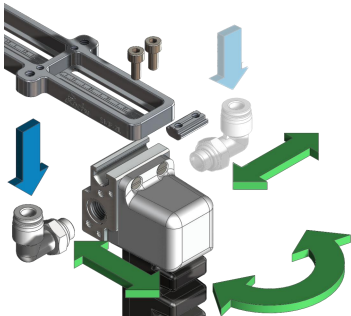


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

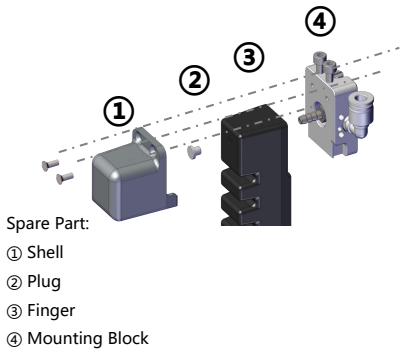


The measuring unit: [mm]

Air Intake & Pose Adjustment

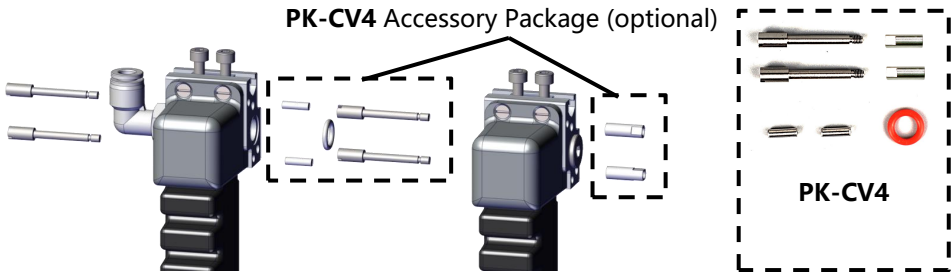


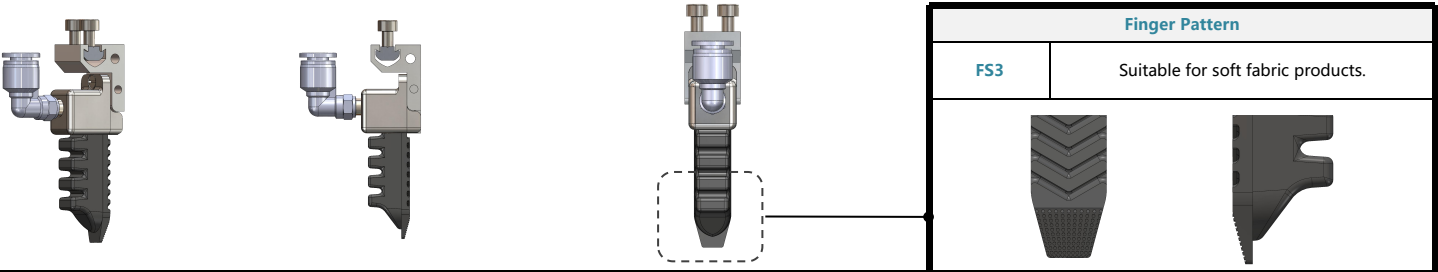
Assembly









Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




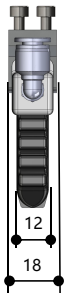
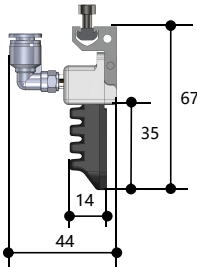
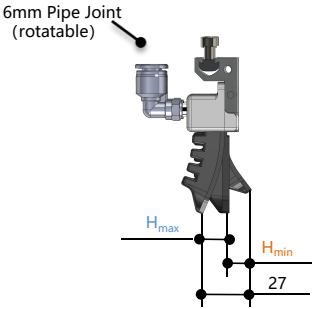


| Finger Pattern | |
|---|---|
| FS3 | Suitable for soft fabric products. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|---------------------------|--|--|
| FM-C5V5/FS3[P] | | | FM-C5V5/FS3[PAS] | | | FM-C5V5/FS3[H] | | | FM-C5V5/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | | |
| 15 | 12 |  120 |  98 | 29 | 15 | 8 |  220 |  91 | 29 | | |

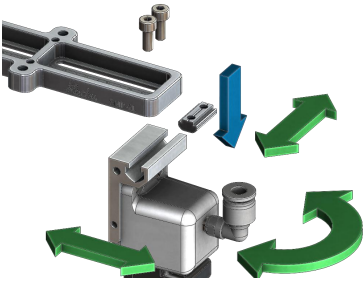
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

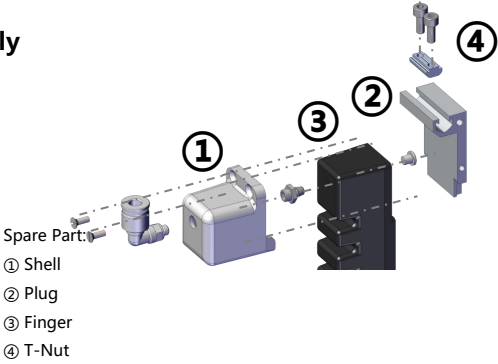


The measuring unit: [mm]

Air Intake & Pose Adjustment

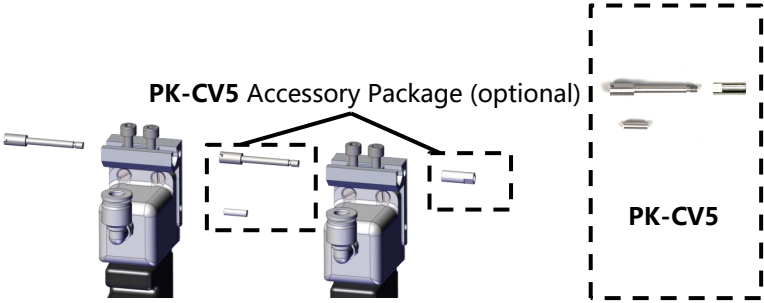


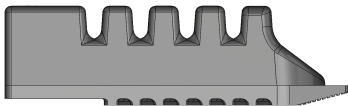
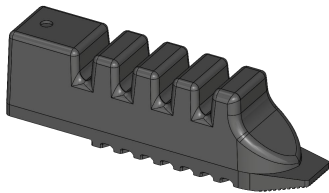
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | Features | | | | | | | | |
|---|---|------------------------------------|---------------------------------|------------|---|---|---------------------|---------------------------------|------------|--|
| FS3 | Special Form | Suitable for soft fabric products. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-C5T/FS3[P] | | F-C5T/FS3[PAS] | | | F-C5T/FS3[H] | | | F-C5T/FS3[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 15 | 12 | ⚠️ 120 | 📦 98 | 6 | 15 | 8 | ⚠️ 220 | 📦 91 | 6 | |

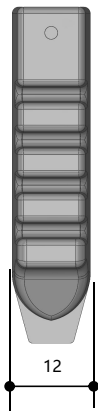
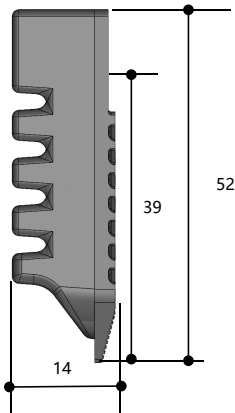
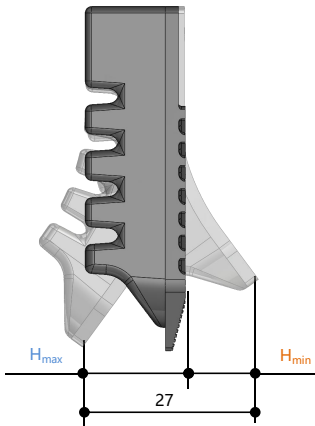


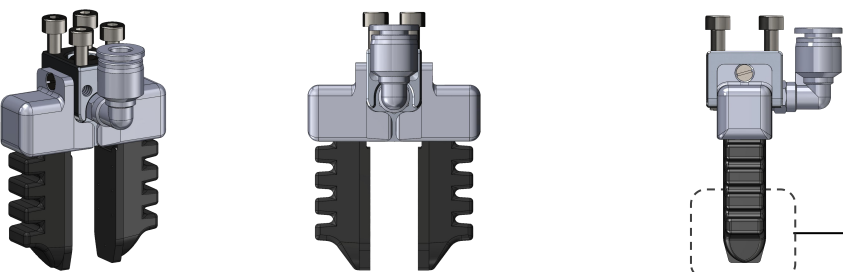
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.









The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-C5V1/LF1[P] | | | FM-C5V1/LF1[PAS] | | FM-C5V1/LF1[H] | | | FM-C5V1/LF1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 39 |  120 |  196 | 45 | 0 | 31 |  220 |  182 | 45 |

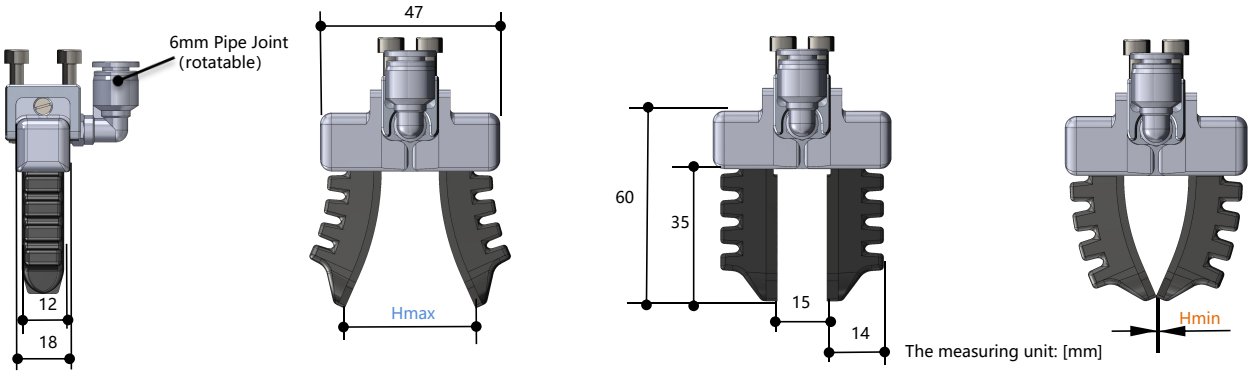


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

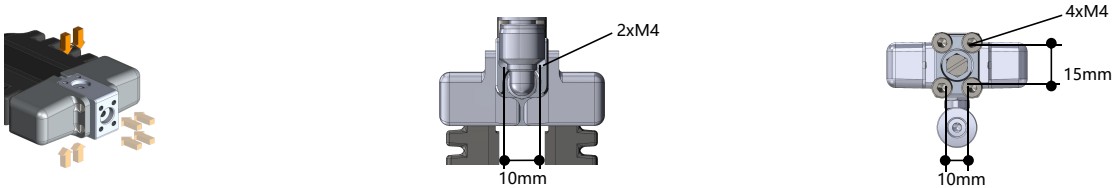


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

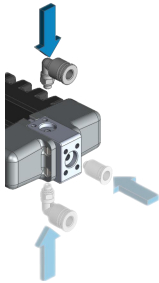
Finger Module



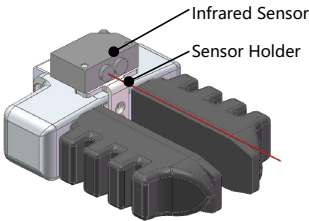
Fixation



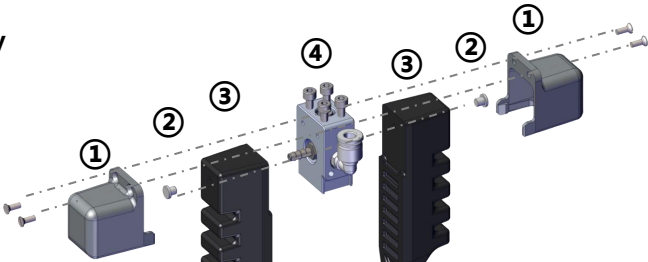
Air Intake



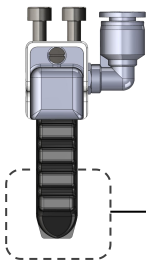
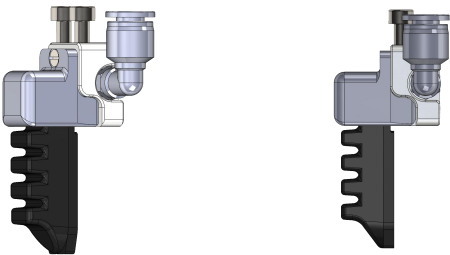
Sensor Installation






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

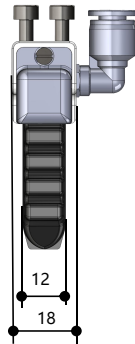
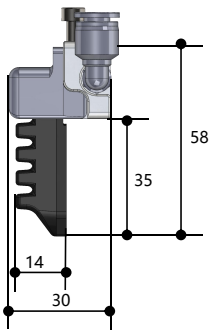
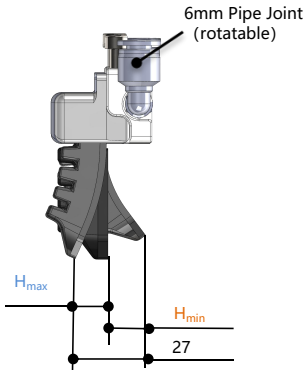


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C5V2/LF1[P] | | FM-C5V2/LF1[PAS] | | | FM-C5V2/LF1[H] | | FM-C5V2/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 28 | 15 | 8 |  220 |  91 | 28 |

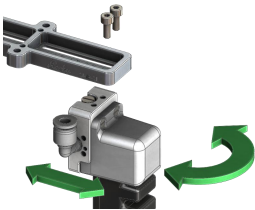
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

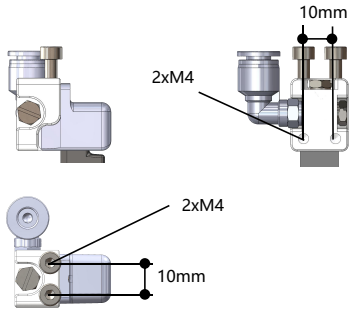
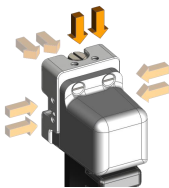


The measuring unit: [mm]

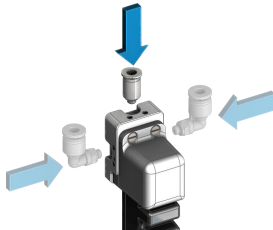
Pose Adjustment



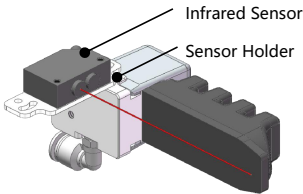
Fixation



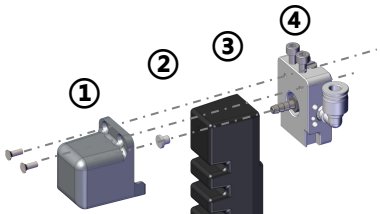
Air Intake



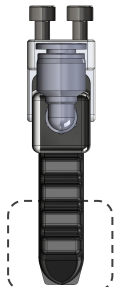
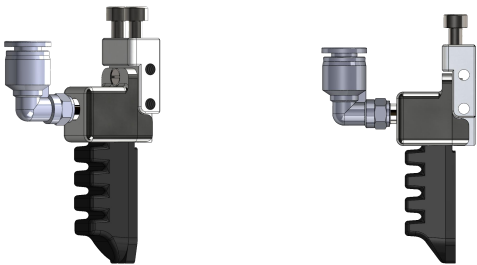
Sensor Installation

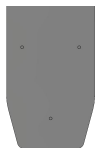







Assembly





- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

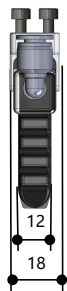
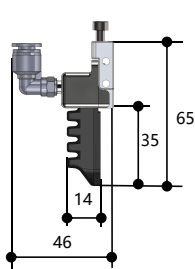
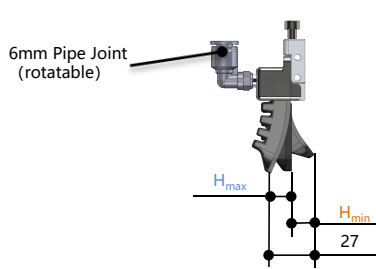


| Finger Pattern | |
|---|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C5V3/LF1[P] | | FM-C5V3/LF1[PAS] | | | FM-C5V3/LF1[H] | | FM-C5V3/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 26 | 15 | 8 |  220 |  91 | 26 |

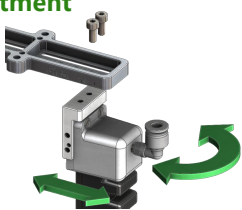
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

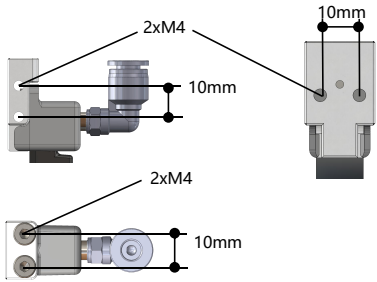
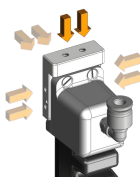


The measuring unit: [mm]

Pose Adjustment



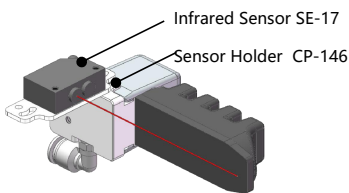
Fixation



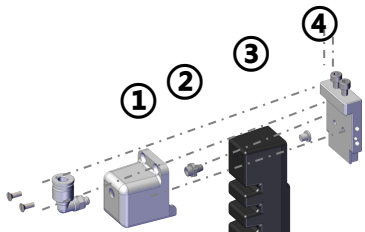
Air Intake



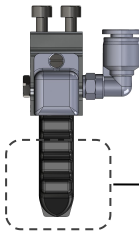
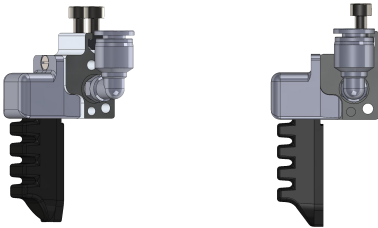
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

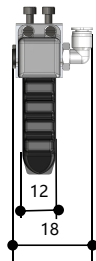
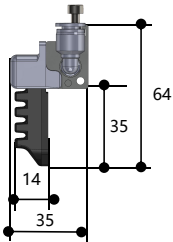
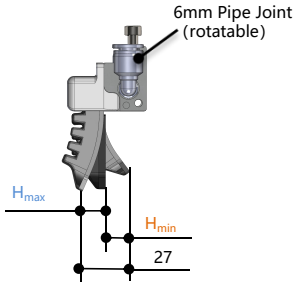


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|---------------|---|---|---|--|---------------|
| FM-C5V4/LS1[P] | | FM-C5V4/LS1[PAS] | | | FM-C5V4/LS1[H] | | FM-C5V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 37 | 15 | 8 |  220 |  91 | 37 |

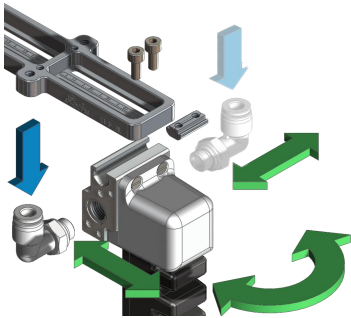
⚠️ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

📏 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

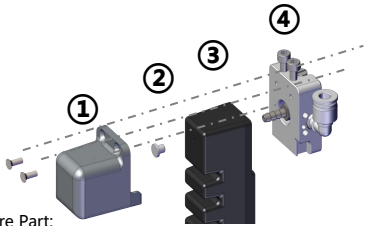


The measuring unit: [mm]

Air Intake & Pose Adjustment



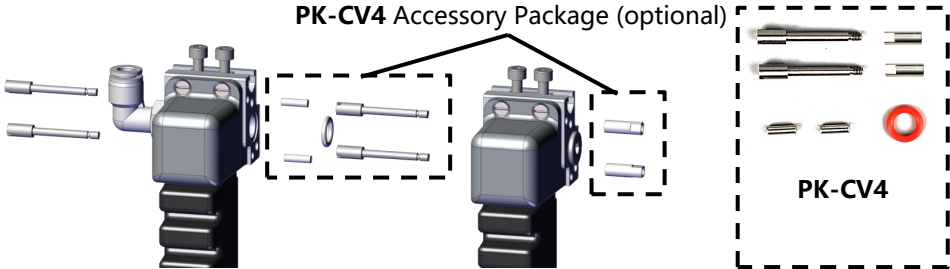
Assembly

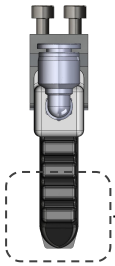
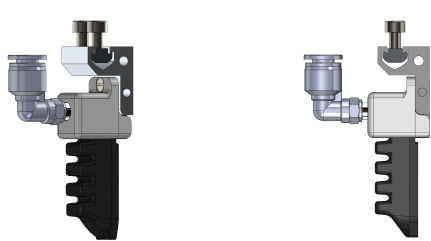


- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



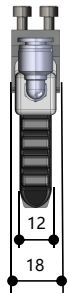
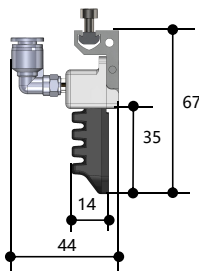
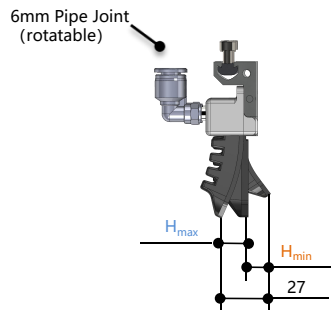


| Finger Pattern | |
|----------------|---|
| LF1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C5V5/LF1[P] | | FM-C5V5/LF1[PAS] | | | FM-C5V5/LF1[H] | | FM-C5V5/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 15 | 12 |  120 |  98 | 29 | 15 | 8 |  220 |  91 | 29 |

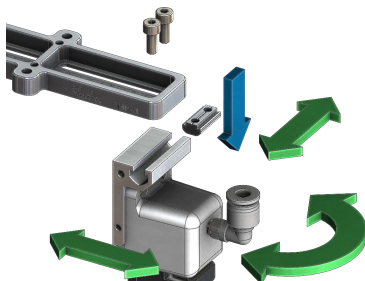
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

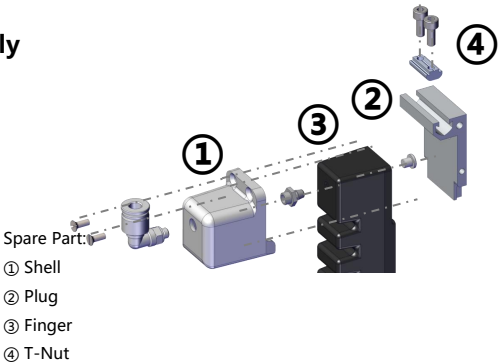


The measuring unit: [mm]

Air Intake & Pose Adjustment

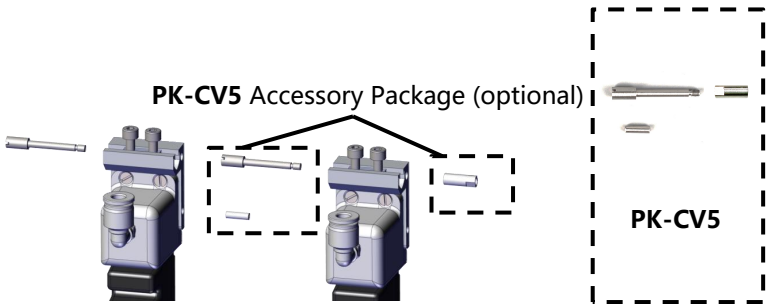


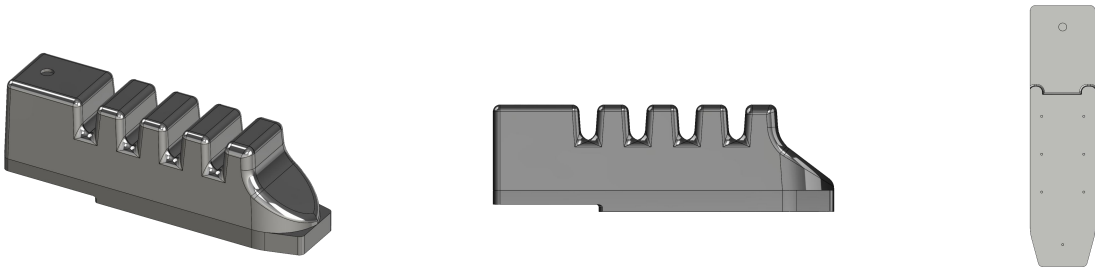
Assembly





Series combination:

1. Build multiple finger modules in series to increase the grip force.
 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | Features | | | | | | | | |
|---|---|---|--|------------|---|---|---------------------|--|------------|--|
| LF1 | Special Form | Suitable for smooth dry workpieces and soft food. | | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | | |
| F-C5T/LF1[P] | | F-C5T/LF1[PAS] | | | F-C5T/LF1[H] | | | F-C5T/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | |
| 15 | 12 | ⚠ 120 |  98 | 6 | 15 | 8 | ⚠ 220 |  91 | 6 | |

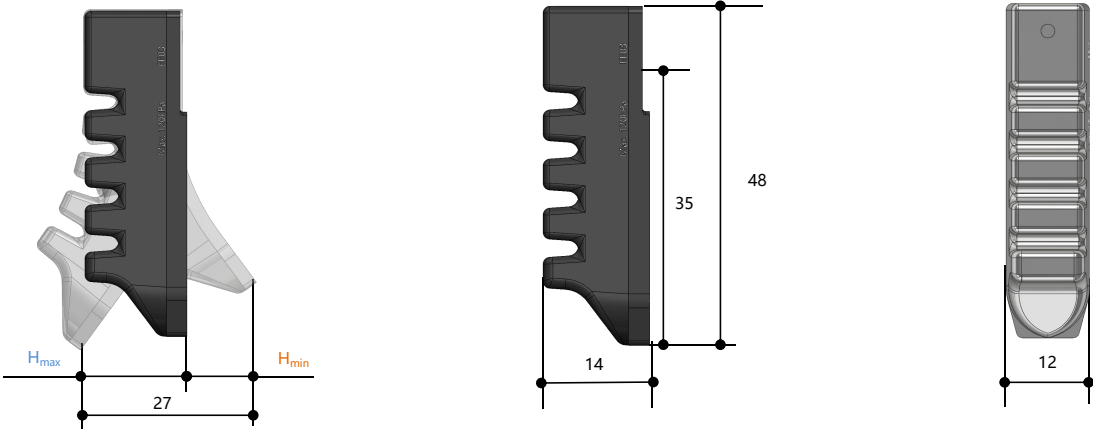


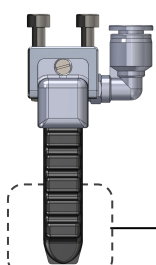
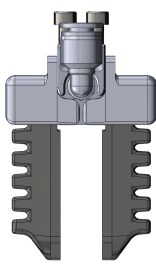
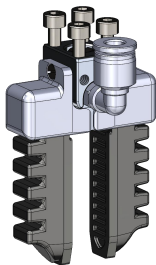
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

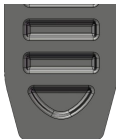



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|---------------------------------|------------|---|---|---------------------------|---------------------------------|------------|
| FM-C6V1/LS1[P] | | FM-C6V1/LS1[PAS] | | | FM-C6V1/LS1[H] | | FM-C6V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 64 | ⚠️ 120 | 📏 142 | 102 | 0 | 52 | ⚠️ 220 | 📏 154 | 102 |

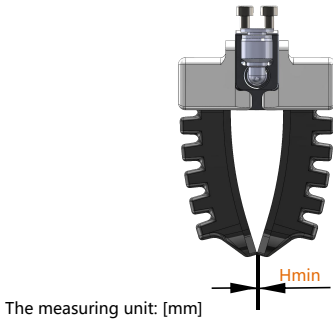
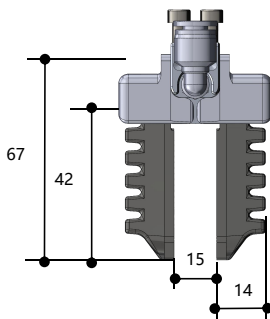
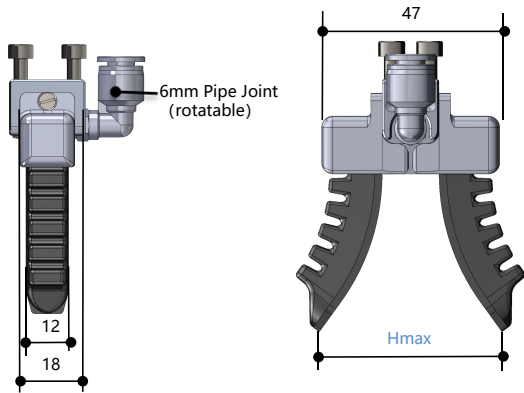


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



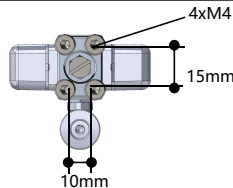
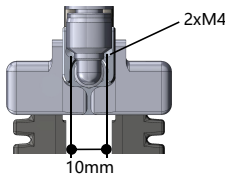
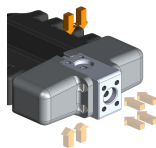
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

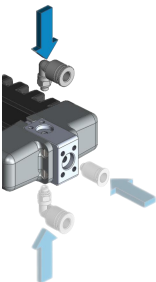


The measuring unit: [mm]

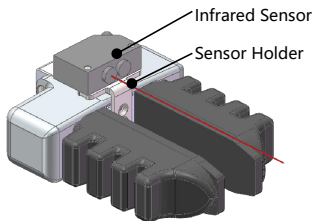
Fixation



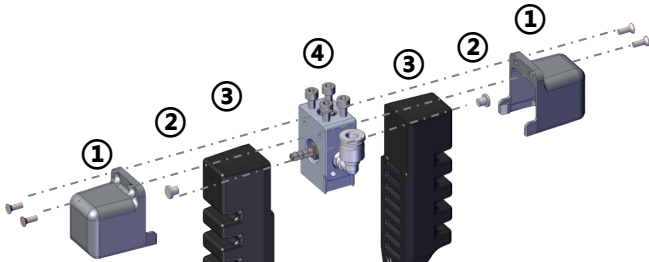
Air Intake



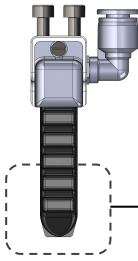
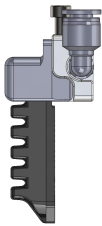
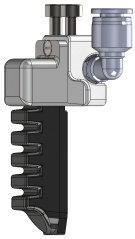
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

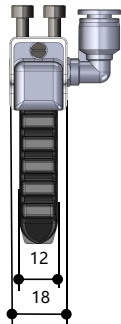
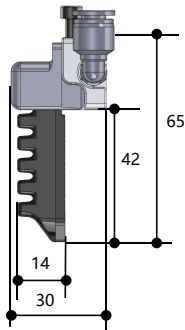
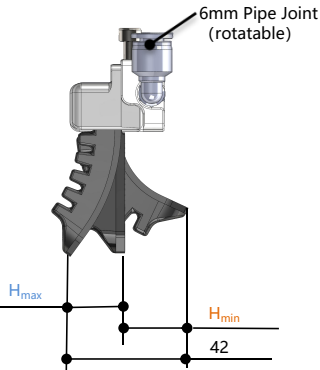


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C6V2/LS1[P] | | FM-C6V2/LS1[PAS] | | | FM-C6V2/LS1[H] | | FM-C6V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 22 | 20 |  120 |  71 | 29 | 22 | 10 |  220 |  77 | 29 |

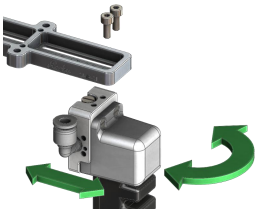
⚠ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

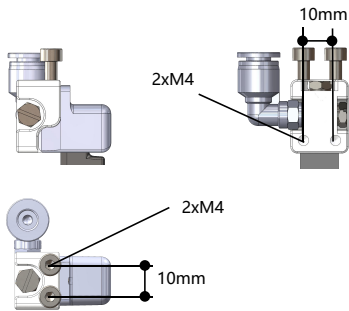
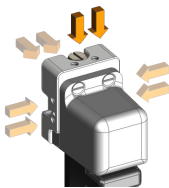


The measuring unit: [mm]

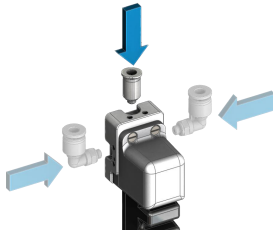
Pose Adjustment



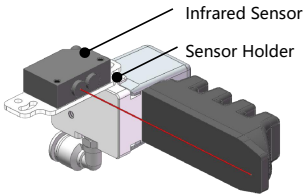
Fixation



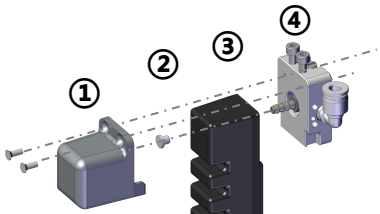
Air Intake



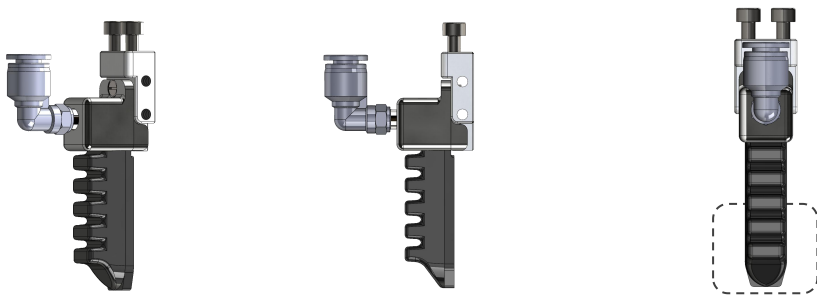
Sensor Installation

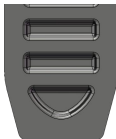





Assembly





- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

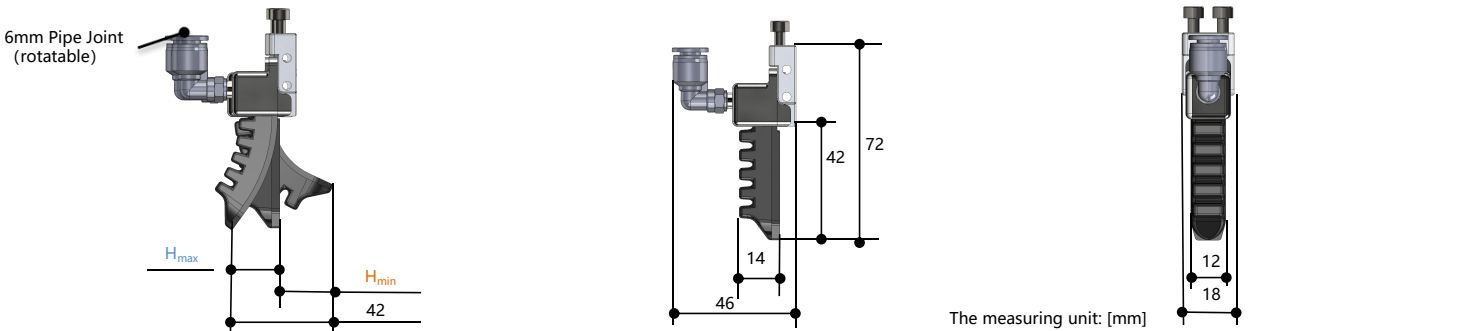


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

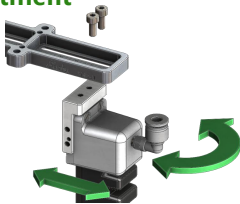
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|--|-----------------|---|---|---------------------|--|------------|
| FM-C6V3/LS1[P] | | FM-C6V3/LS1[PAS] | | FM-C6V3/LS1[H] | | FM-C6V3/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 22 | 20 | ⚠️ 120 |  71 | 26 | 22 | 10 | ⚠️ 220 |  77 | 26 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

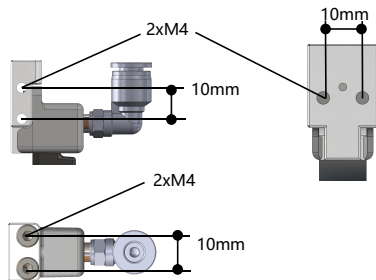
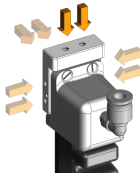
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment



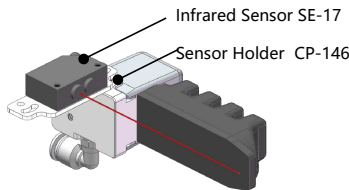
Fixation



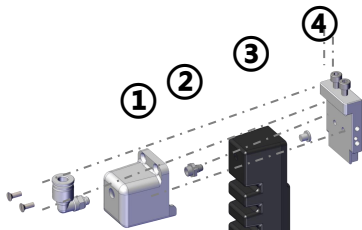
Air Intake



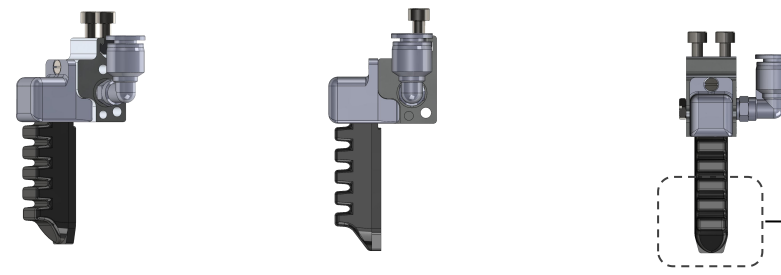
Sensor Installation







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

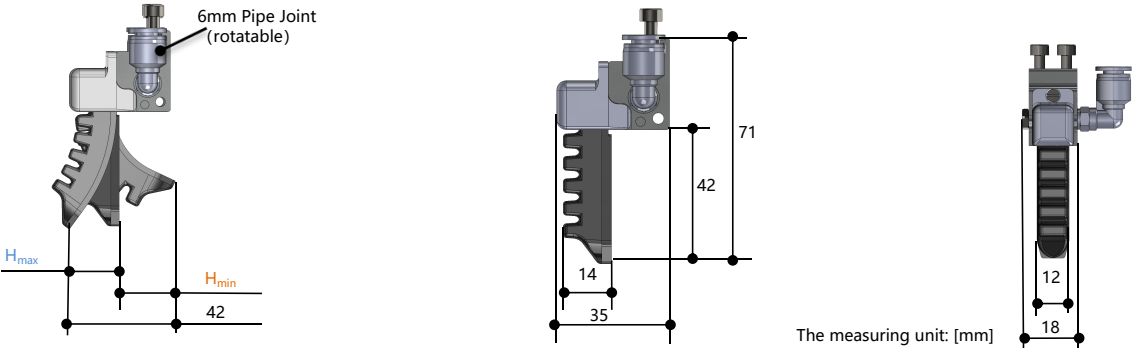


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

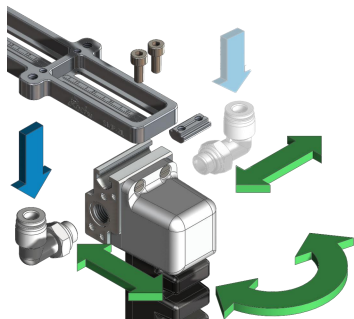
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|--|------------|---|---|---------------------------|--|------------|
| FM-C6V4/LS1[P] | | FM-C6V4/LS1[PAS] | | | FM-C6V4/LS1[H] | | FM-C6V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 22 | 20 | ⚠️ 120 |  71 | 38 | 22 | 10 | ⚠️ 220 |  77 | 38 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

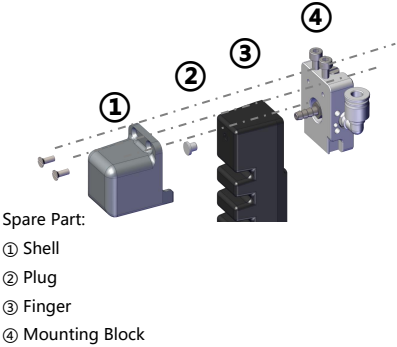
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

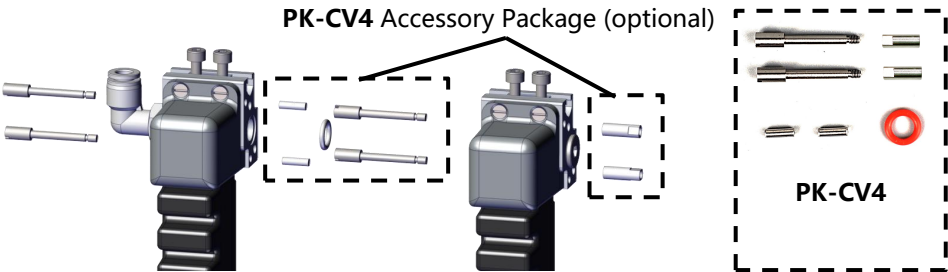


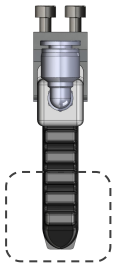
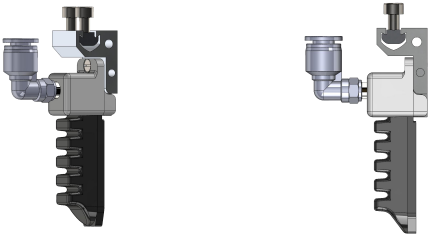
Assembly






Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



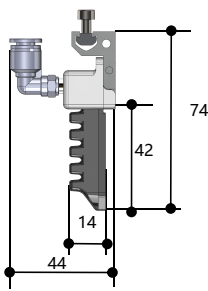
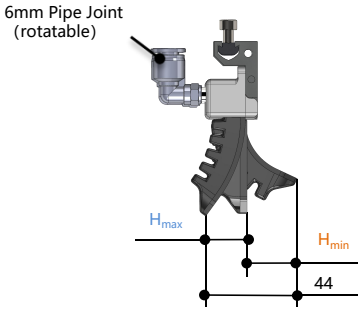


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

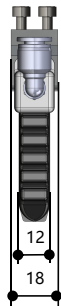
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|--|------------|---|---|---------------------------|--|------------|
| FM-C6V5/LS1[P] | | FM-C6V5/LS1[PAS] | | | FM-C6V5/LS1[H] | | FM-C6V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 22 | 20 | ⚠ 120 |  71 | 30 | 22 | 10 | ⚠ 220 |  77 | 30 |

 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

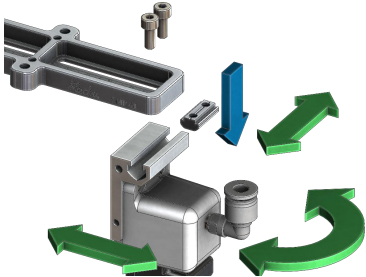
 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



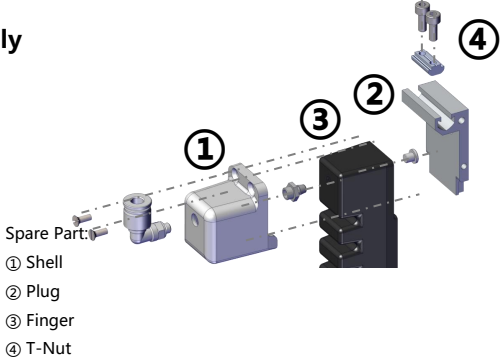
The measuring unit: [mm]



Air Intake & Pose Adjustment

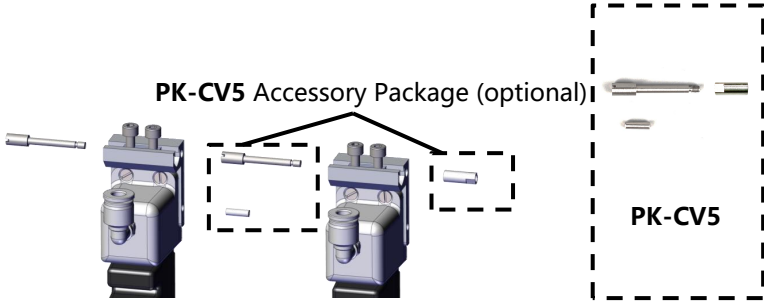


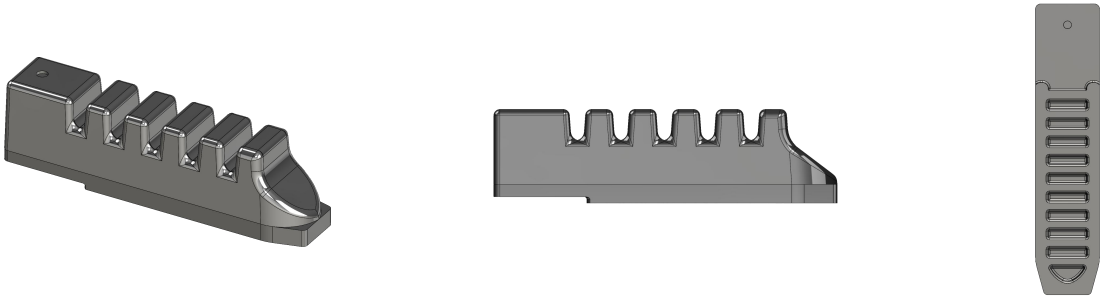
Assembly



Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | | Features | | | | | | |
|---|---|---------------------|---|------------|---|---|---------------------|---|------------|
| LS1 | Standard form | | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | |
| Normal Material F-C6T/LS1[P] | | | Dust-free Normal Material F-C6T/LS1[PAS] | | Strong Material F-C6T/LS1[H] | | | Dust-free Strong Material F-C6T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 22 | 20 | ⚠️ 120 | 🏷️ 71 | 7 | 22 | 10 | ⚠️ 220 | 🏷️ 77 | 7 |

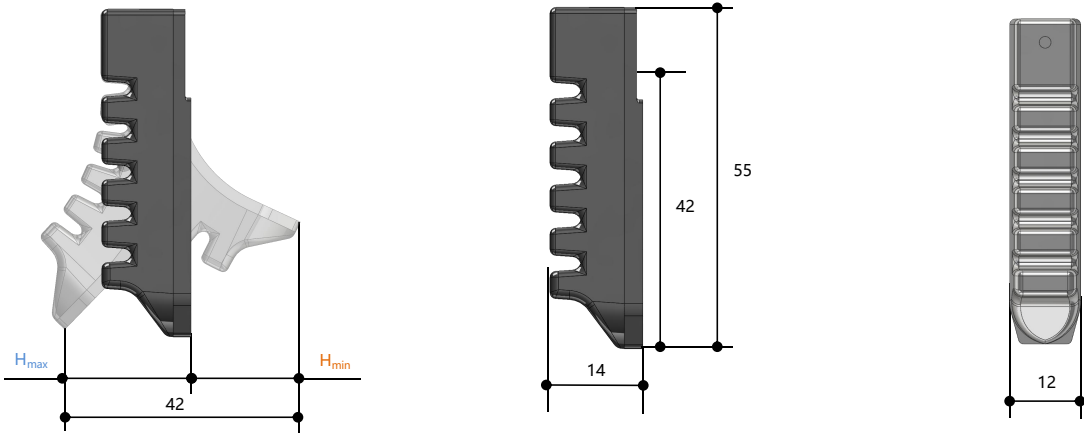


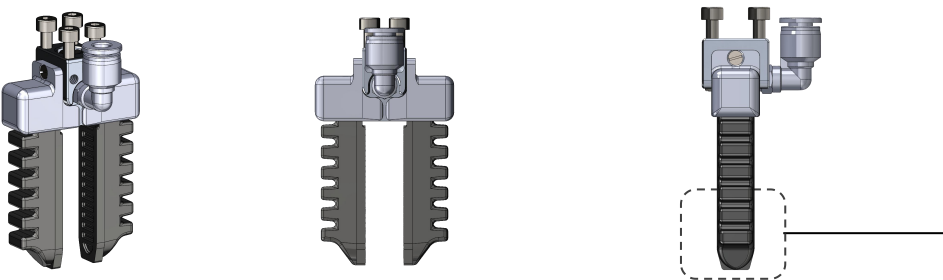
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.


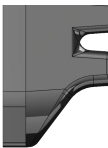




The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.


Dimension Parameters






| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|---|-----------------|---|---|------------------------|---|---------------|
| FM-C7V1/LS1[P] | | FM-C7V1/LS1[PAS] | | FM-C7V1/LS1[H] | | FM-C7V1/LS1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 78 | ⚠️ 120 |  140 | 110 | 0 | 60 | ⚠️ 220 |  156 | 110 |

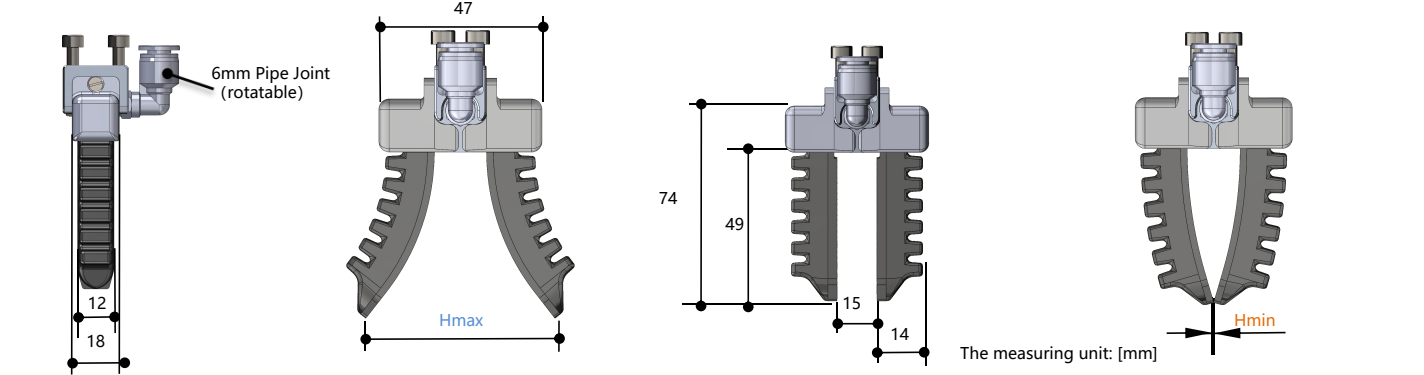


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

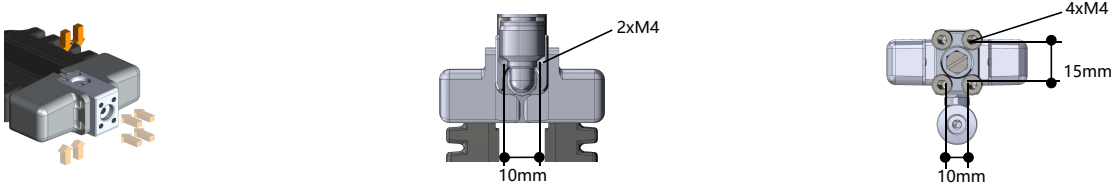


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

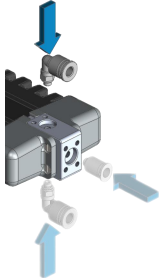
Finger Module



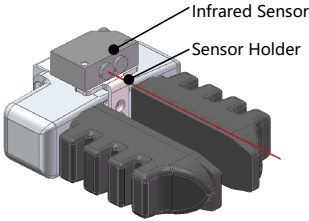
Fixation



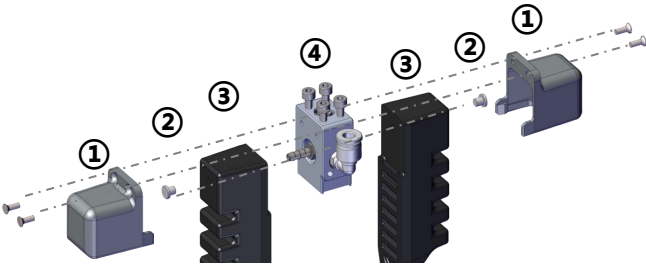
Air Intake



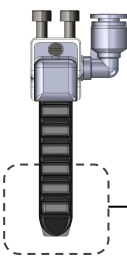
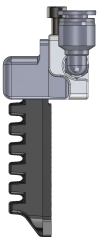
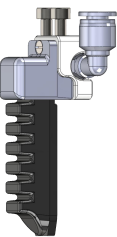
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

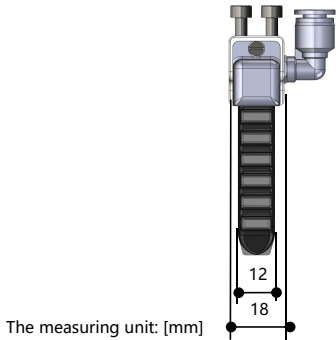
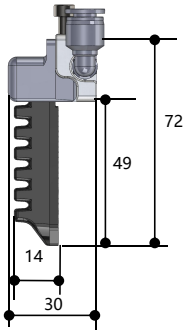
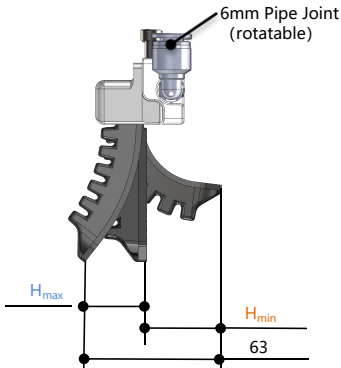


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C7V2/LS1[P] | | FM-C7V2/LS1[PAS] | | | FM-C7V2/LS1[H] | | FM-C7V2/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 |  120 |  70 | 30 | 34 | 13 |  220 |  78 | 30 |

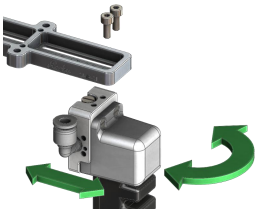
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

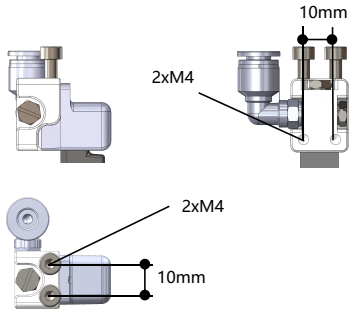
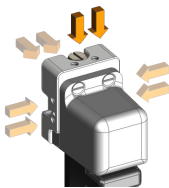


The measuring unit: [mm]

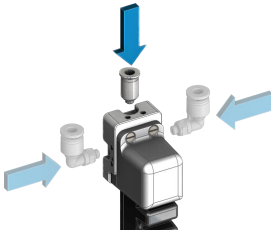
Pose Adjustment



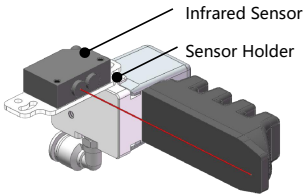
Fixation



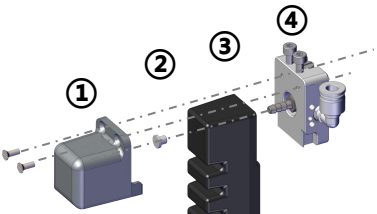
Air Intake



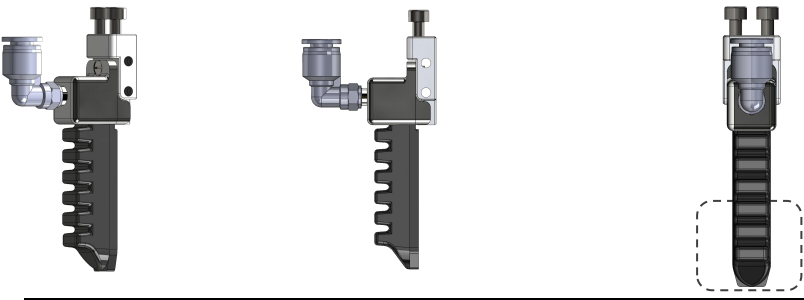
Sensor Installation








Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|---------------|---|---|---|--|---------------|
| FM-C7V3/LS1[P] | | FM-C7V3/LS1[PAS] | | | FM-C7V3/LS1[H] | | FM-C7V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 |  120 |  70 | 27 | 34 | 13 |  220 |  78 | 27 |

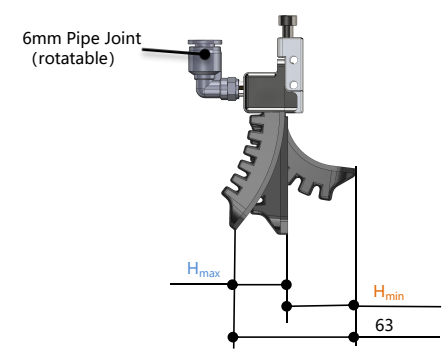


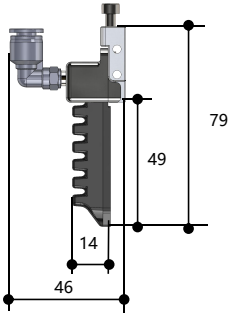
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.




The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Finger Module

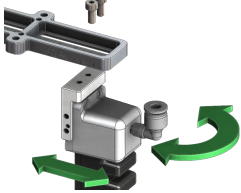




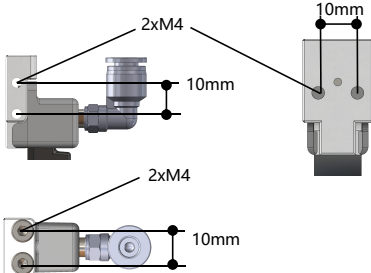
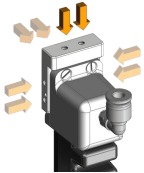


The measuring unit: [mm]


Pose Adjustment



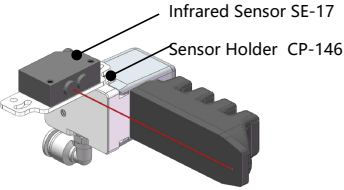
Fixation



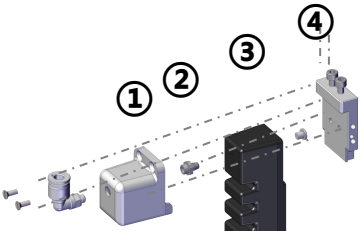
Air Intake



Sensor Installation

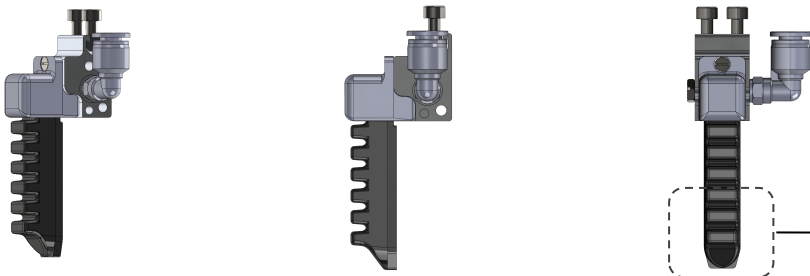


Assembly







Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

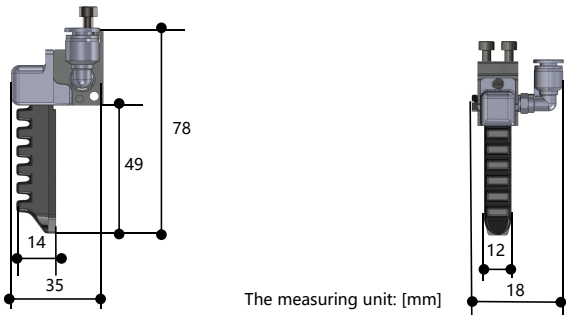
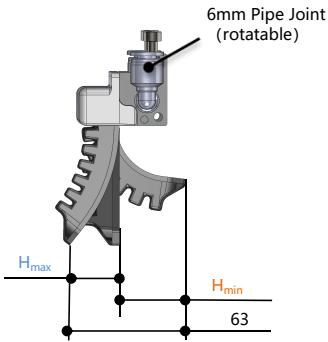


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

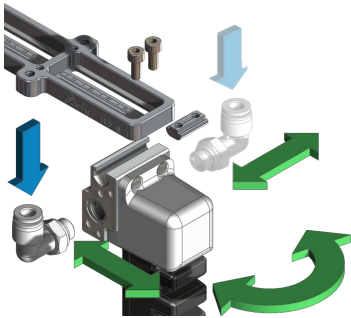
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|---------------|---|---|--|--|---------------|
| FM-C7V4/LS1[P] | | FM-C7V4/LS1[PAS] | | | FM-C7V4/LS1[H] | | FM-C7V4/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 |  120 |  70 | 38 | 34 | 13 |  220 |  78 | 38 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

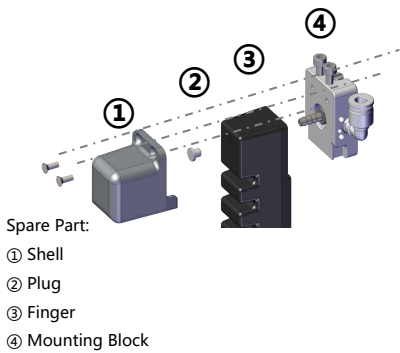
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

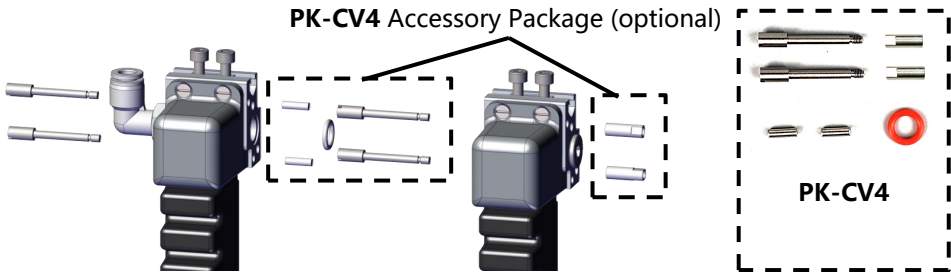


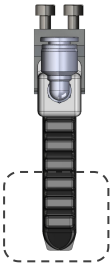
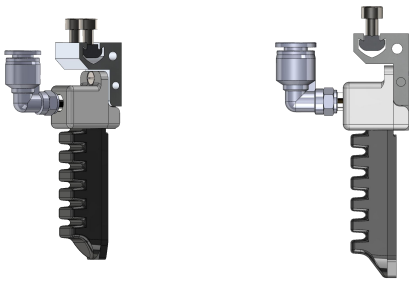
Assembly









Series combination:


- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.




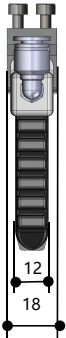
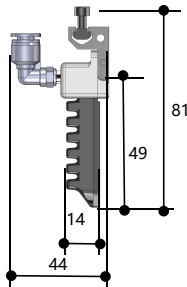
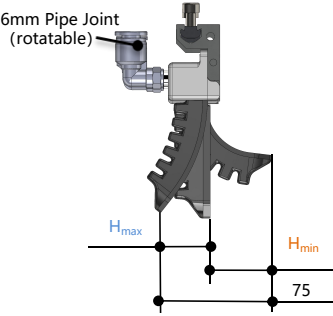


| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C7V5/LS1[P] | | FM-C7V5/LS1[PAS] | | | FM-C7V5/LS1[H] | | FM-C7V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 |  120 |  70 | 31 | 34 | 13 |  220 |  78 | 31 |

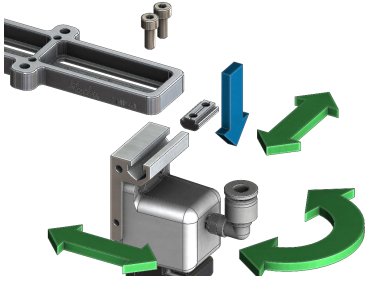
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

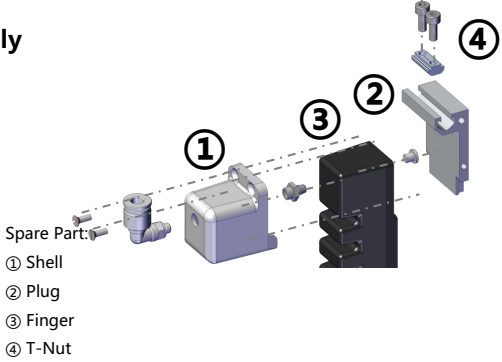


The measuring unit: [mm]

Air Intake & Pose Adjustment

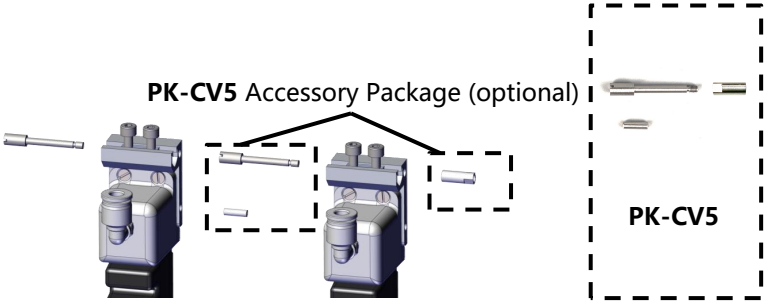


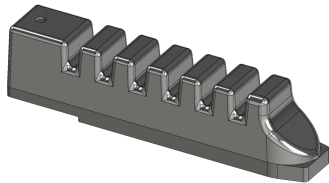
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | Features | | | | | | | |
|---|---|---|--|------------|---|---|---------------------|--|------------|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-C7T/LS1[P] | | F-C7T/LS1[PAS] | | | F-C7T/LS1[H] | | | F-C7T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 | ⚠ 120 |  70 | 7 | 34 | 13 | ⚠ 220 |  78 | 7 |

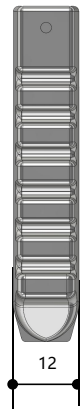
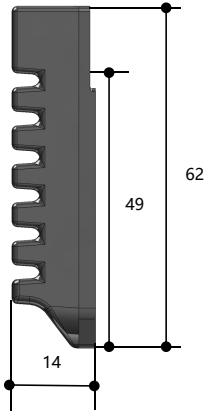
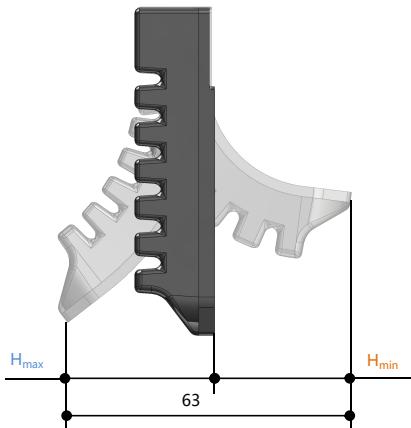


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

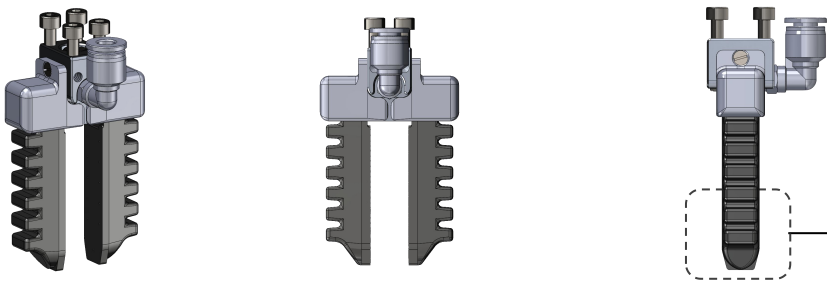


The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.





Dimension Parameters



Finger Module



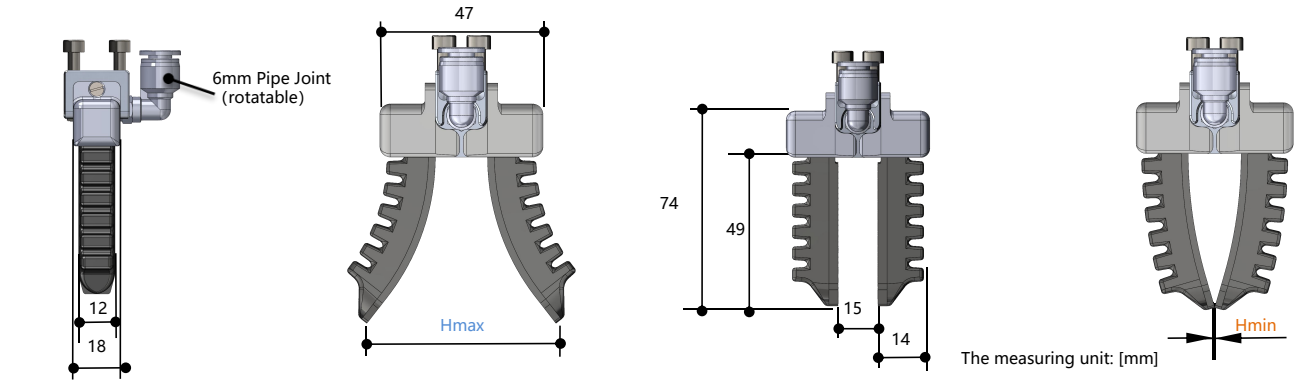
| Finger Pattern | |
|----------------|---|
| LS1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|------------|---|---|---|---|------------|
| FM-C7V1/LF1[P] | | FM-C7V1/LF1[PAS] | | | FM-C7V1/LF1[H] | | FM-C7V1/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 78 |  120 |  142 | 110 | 0 | 60 |  220 |  156 | 110 |

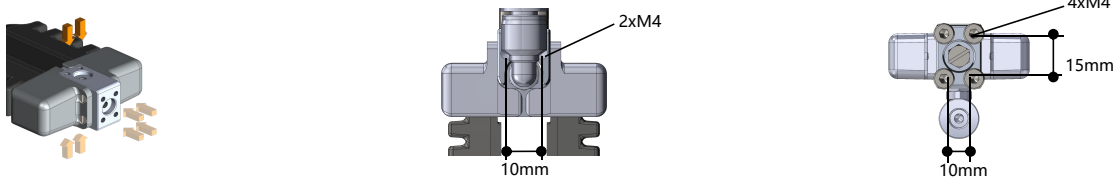
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

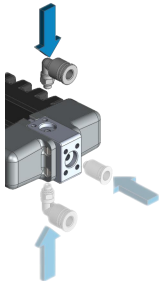
Finger Module



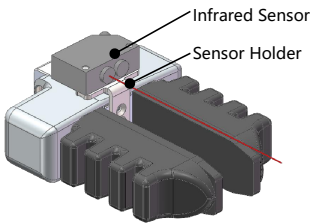
Fixation



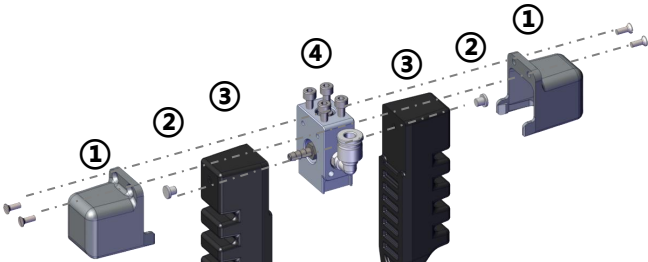
Air Intake



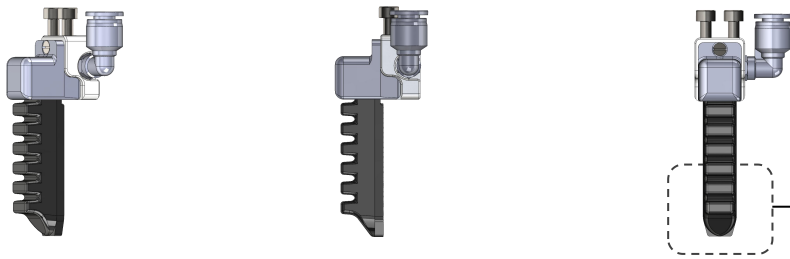
Sensor Installation




Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

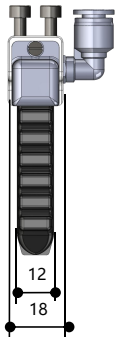
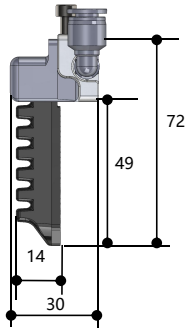
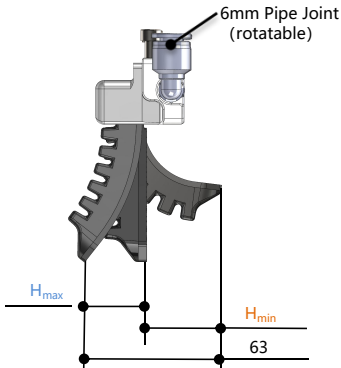


| Finger Pattern | |
|----------------|---|
| LS1 | Suitable for smooth dry workpieces and soft food. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|--|------------|---|---|---------------------------|--|------------|
| FM-C7V2/LF1[P] | | FM-C7V2/LF1[PAS] | | | FM-C7V2/LF1[H] | | FM-C7V2/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 | ⚠ 120 |  70 | 30 | 34 | 13 | ⚠ 220 |  78 | 30 |

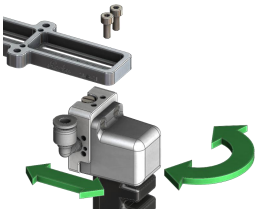
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

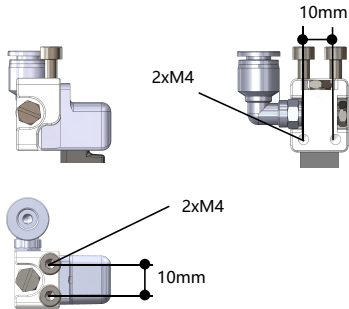
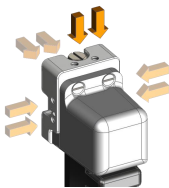


The measuring unit: [mm]

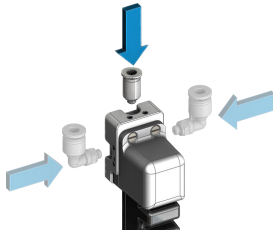
Pose Adjustment



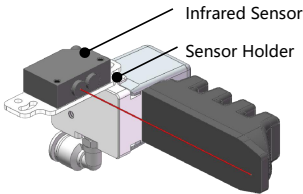
Fixation



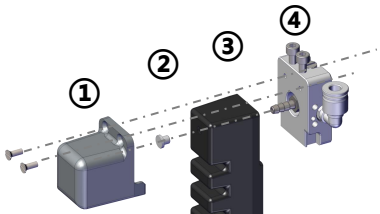
Air Intake



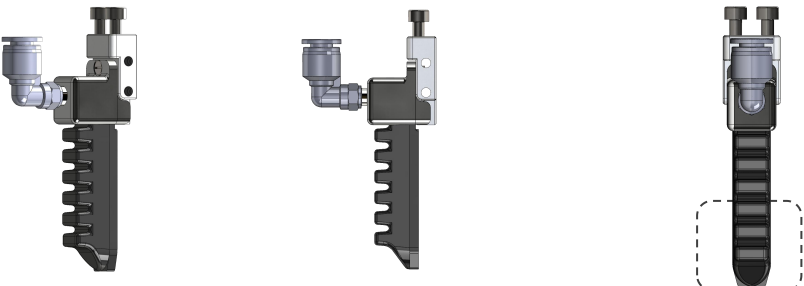
Sensor Installation







Assembly




- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block




| Finger Pattern | |
|---|---|
| LS1 | Suitable for smooth dry workpieces and soft food. |
|  |  |

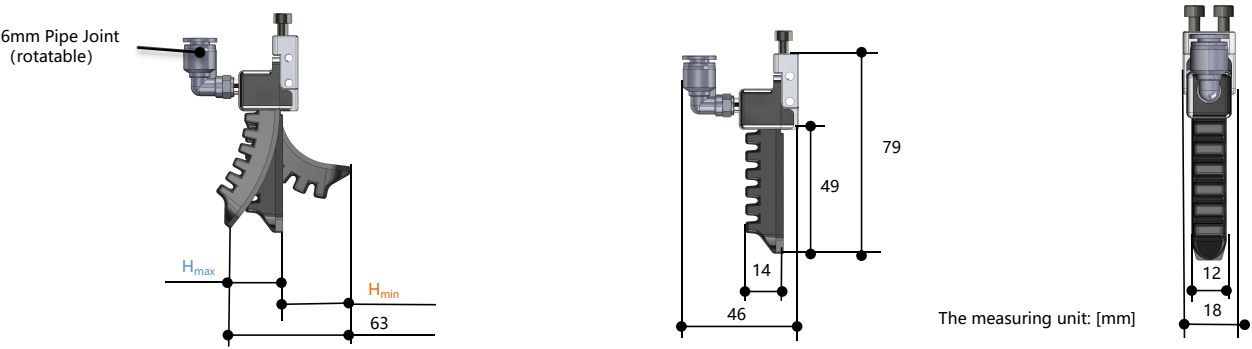
| Normal Material | | Dust-free Normal Material | | Strong Material | | Dust-free Strong Material | | | |
|---|---|---------------------------|--|-----------------|---|---|---------------------|--|------------|
| FM-C7V3/LF1[P] | | FM-C7V3/LF1[PAS] | | FM-C7V3/LF1[H] | | FM-C7V3/LF1[HAS] | | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 | ⚠ 120 |  70 | 27 | 34 | 13 | ⚠ 220 |  78 | 27 |



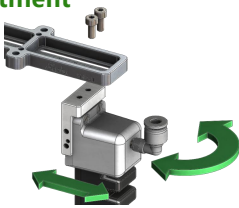
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



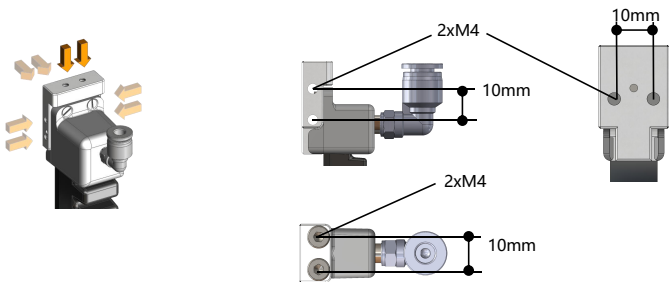
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Pose Adjustment



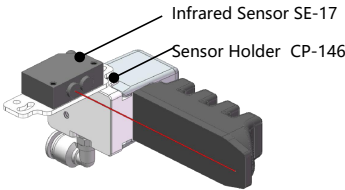
Fixation



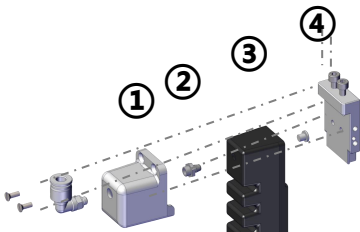
Air Intake



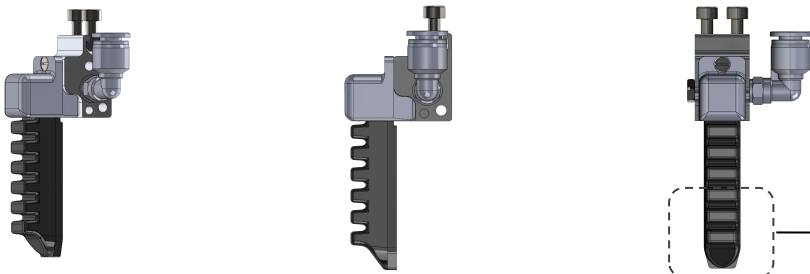
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

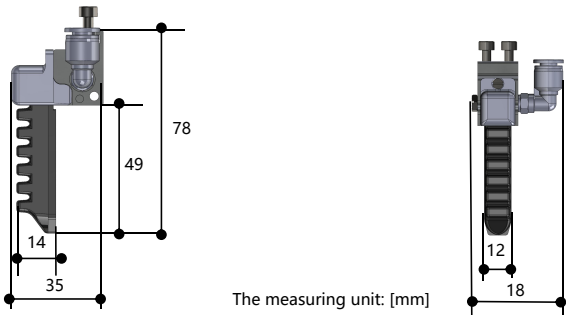
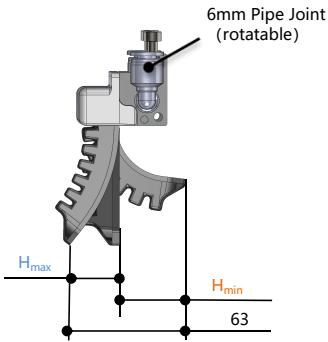


| Finger Pattern | |
|----------------|---|
| LS1 | Suitable for smooth dry workpieces and soft food. |
| | |

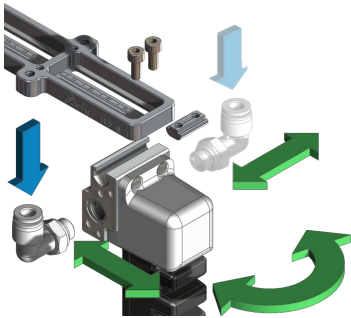
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C7V4/LF1[P] | | FM-C7V4/LF1[PAS] | | | FM-C7V4/LF1[H] | | FM-C7V4/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 |  120 |  70 | 38 | 34 | 13 |  220 |  78 | 38 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

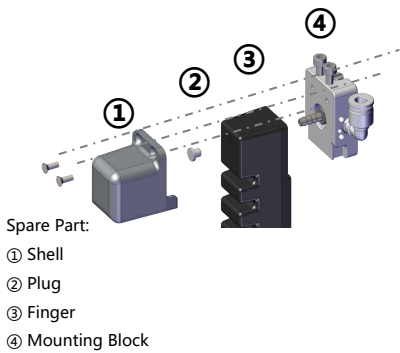
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

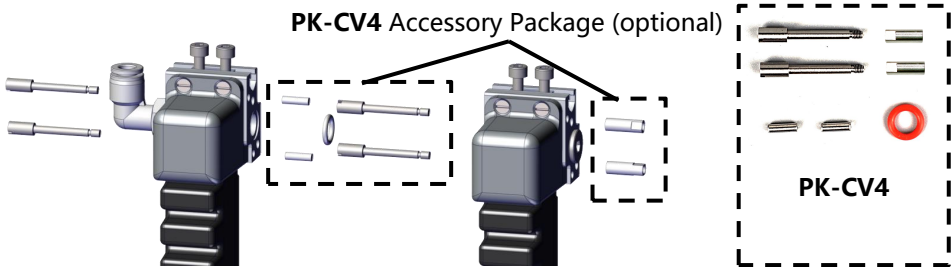


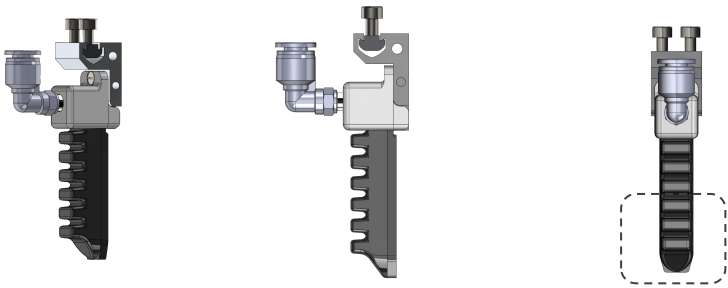
Assembly







Series combination:

- Build multiple finger modules in series to increase the grip force.
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.



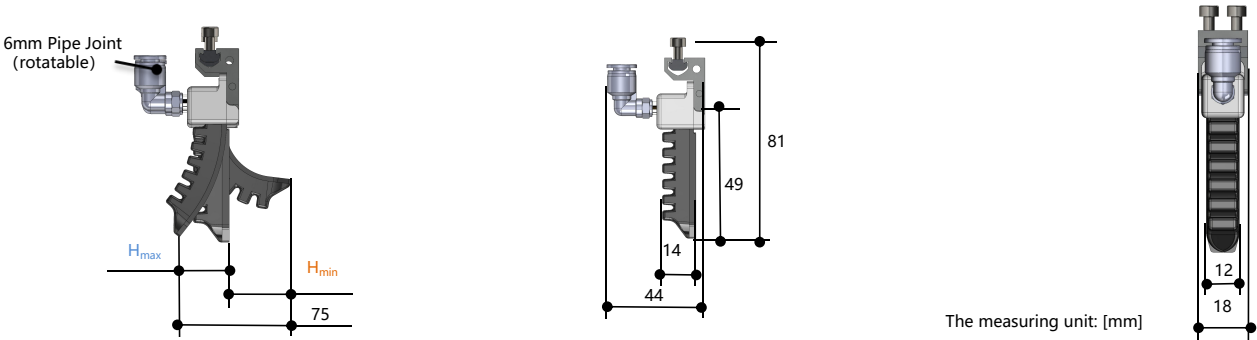


| Finger Pattern | |
|----------------|---|
| LS1 | Suitable for smooth dry workpieces and soft food. |
| | |

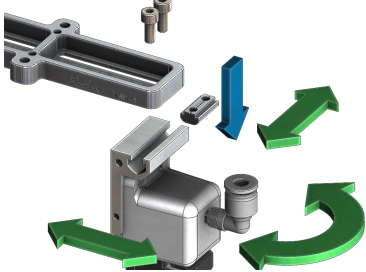
| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C7V5/LF1[P] | | FM-C7V5/LF1[PAS] | | | FM-C7V5/LF1[H] | | FM-C7V5/LF1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 |  120 |  70 | 31 | 34 | 13 |  220 |  78 | 31 |

Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

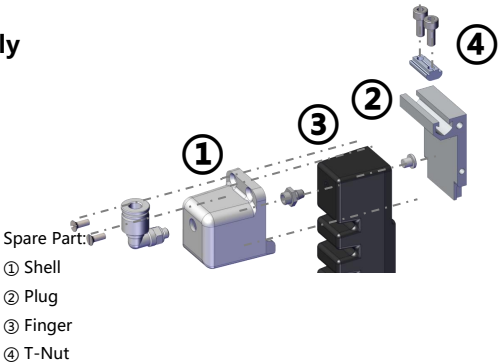
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

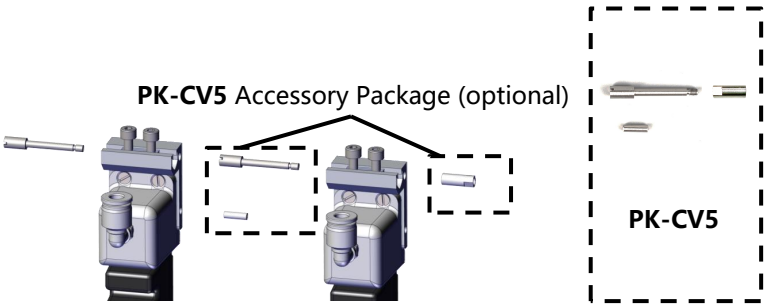


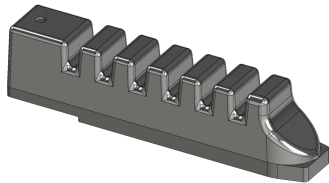
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | Features | | | | | | | |
|---|---|---|--|------------|---|---|---------------------|--|------------|
| LF1 | Special Form | Suitable for smooth dry workpieces and soft food. | | | | | | | |
| Normal Material F-C7T/LF1[P] | | Dust-free Normal Material F-C7T/LF1[PAS] | | | Strong Material F-C7T/LF1[H] | | | Dust-free Strong Material F-C7T/LF1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 34 | 29 | ⚠ 120 |  70 | 7 | 34 | 13 | ⚠ 220 |  78 | 7 |

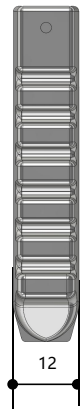
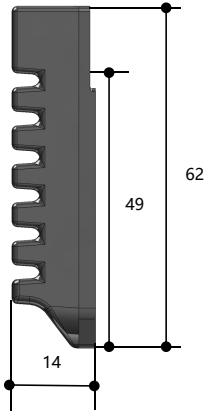
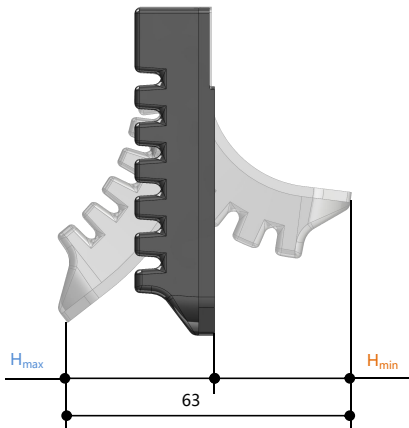


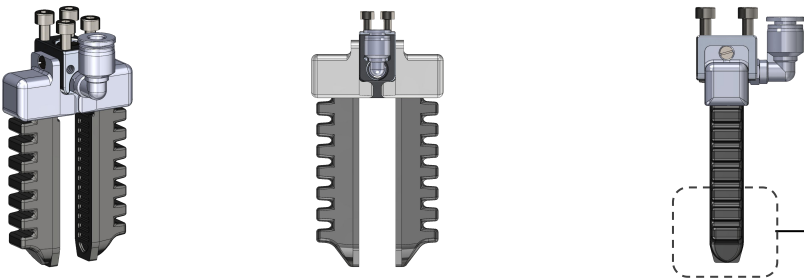
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.






The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters





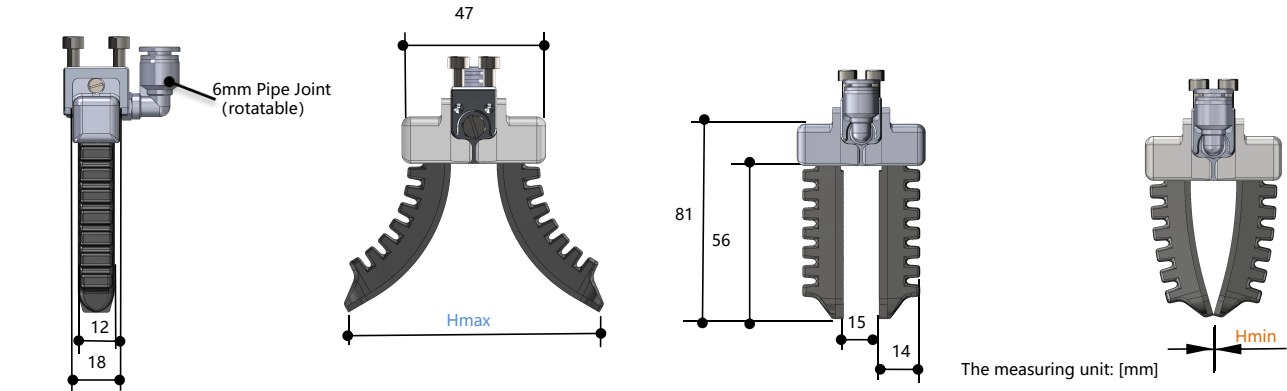
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|---|---------------|---|---|---|---|---------------|
| FM-C8V1/LS1[P] | | FM-C8V1/LS1[PAS] | | | FM-C8V1/LS1[H] | | FM-C8V1/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 0 | 91 |  120 |  108 | 50 | 0 | 47 |  220 |  150 | 50 |

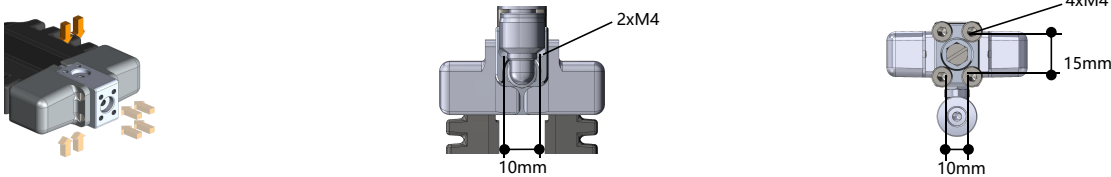
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

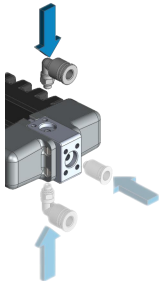
Finger Module



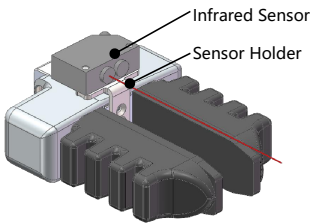
Fixation



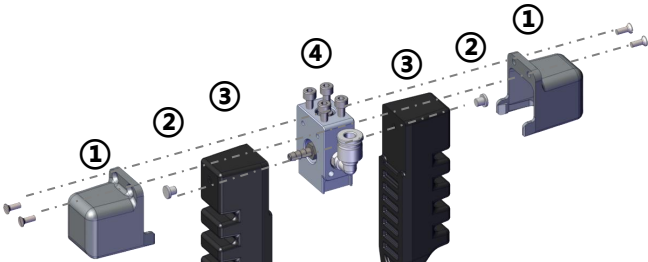
Air Intake



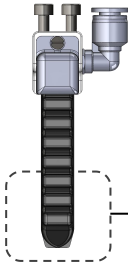
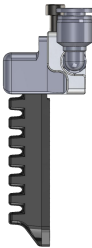
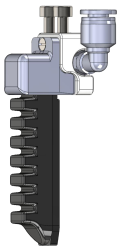
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

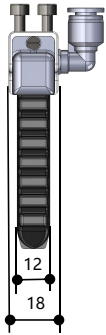
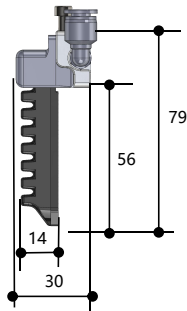
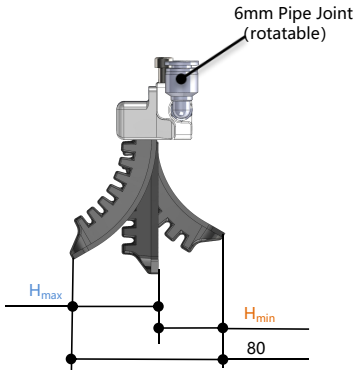


| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C8V2/LS1[P] | | | FM-C8V2/LS1[PAS] | | FM-C8V2/LS1[H] | | | FM-C8V2/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 42 | 38 |  120 |  54 | 31 | 42 | 16 |  220 |  75 | 31 |

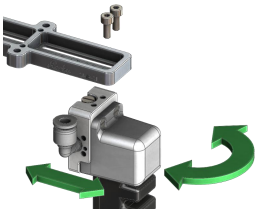
⚠️ Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

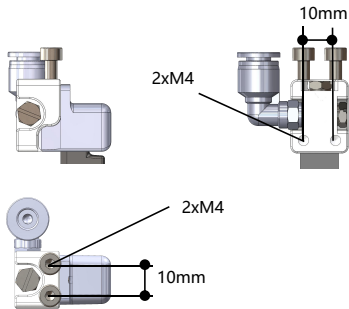
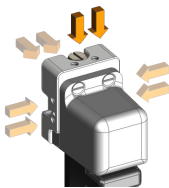


The measuring unit: [mm]

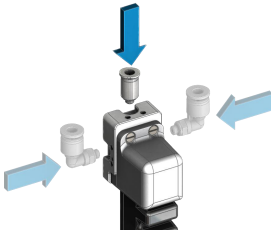
Pose Adjustment



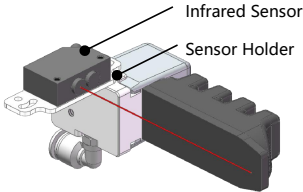
Fixation



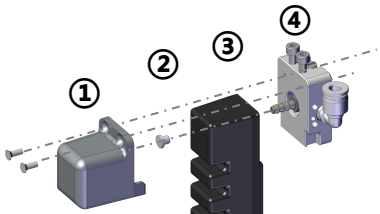
Air Intake



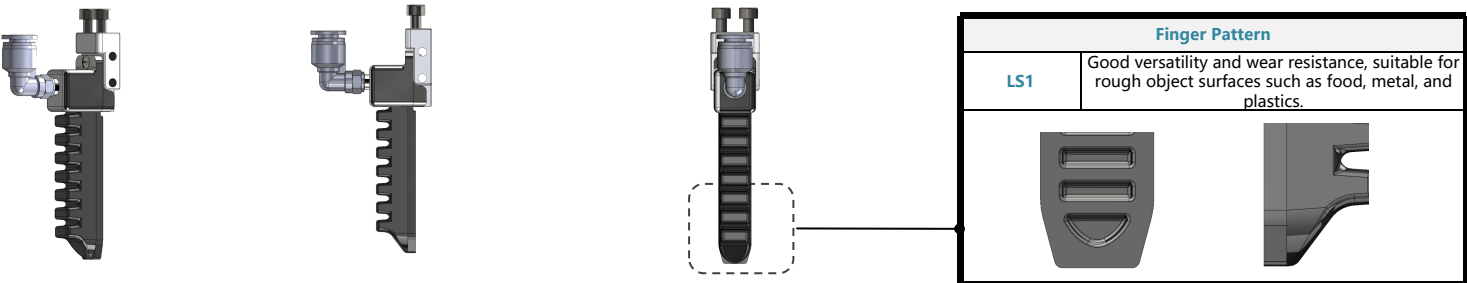
Sensor Installation







Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



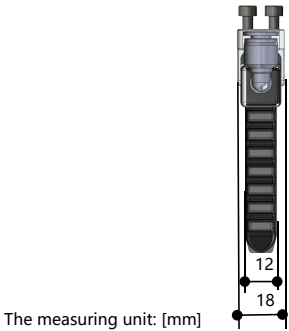
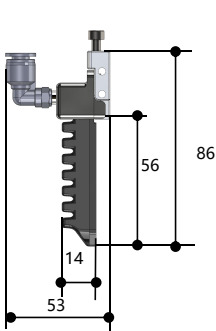
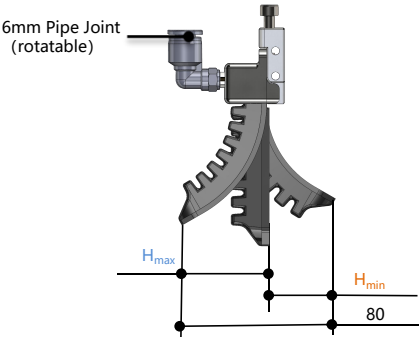
| Finger Pattern | |
|----------------|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
| | |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---|--|------------|---|---|--|--|------------|
| FM-C8V3/LS1[P] | | FM-C8V3/LS1[PAS] | | | FM-C8V3/LS1[H] | | FM-C8V3/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 42 | 38 |  120 |  54 | 28 | 42 | 16 |  220 |  75 | 28 |

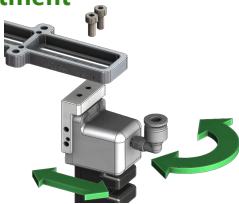
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

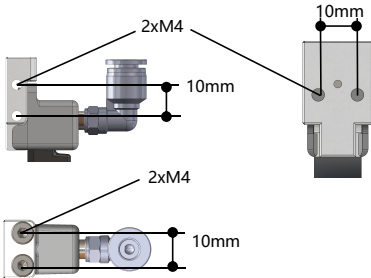
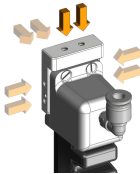
Finger Module



Pose Adjustment



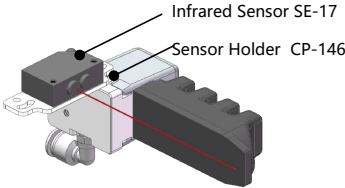
Fixation



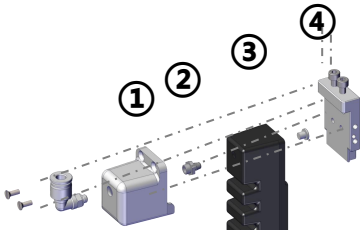
Air Intake



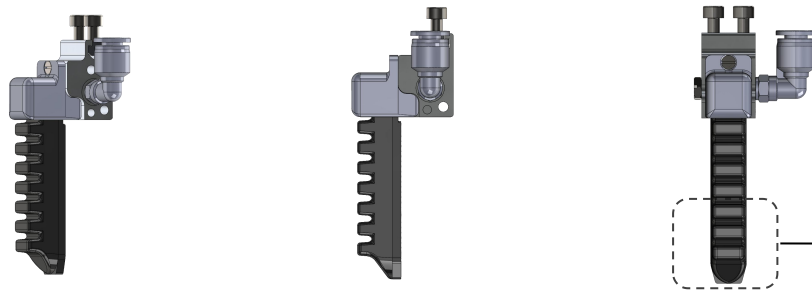
Sensor Installation

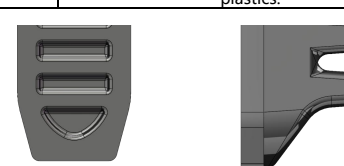






Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block



| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  | |

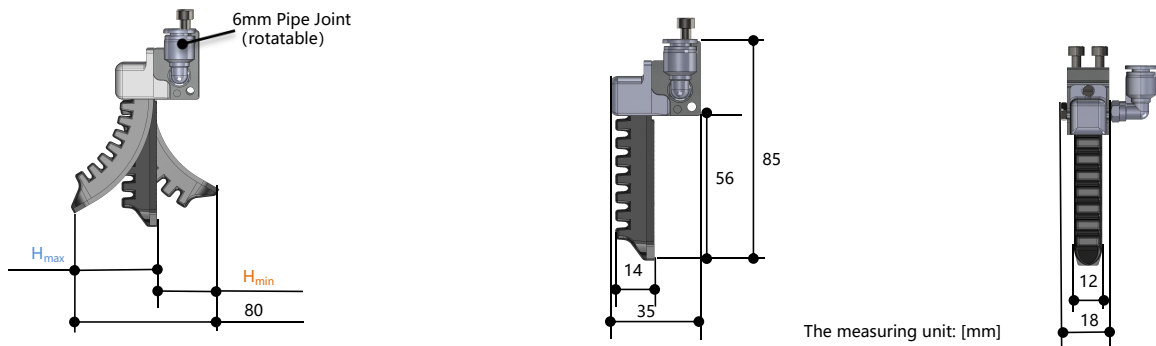
| Normal Material | | | Dust-free Normal Material | | Strong Material | | | Dust-free Strong Material | |
|---|---|---|--|------------|---|---|---|--|------------|
| FM-C8V4/LS1[P] | | | FM-C8V4/LS1[PAS] | | FM-C8V4/LS1[H] | | | FM-C8V4/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 42 | 38 |  120 |  54 | 39 | 42 | 16 |  220 |  75 | 39 |



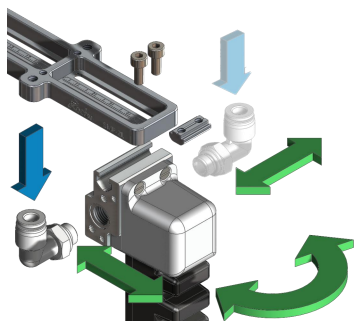
Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



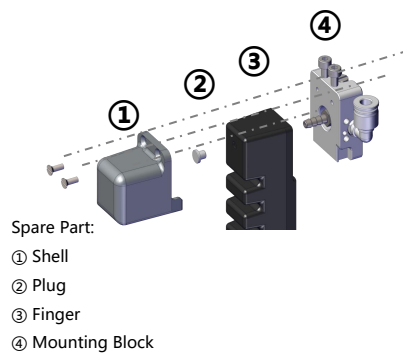
The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.



Air Intake & Pose Adjustment

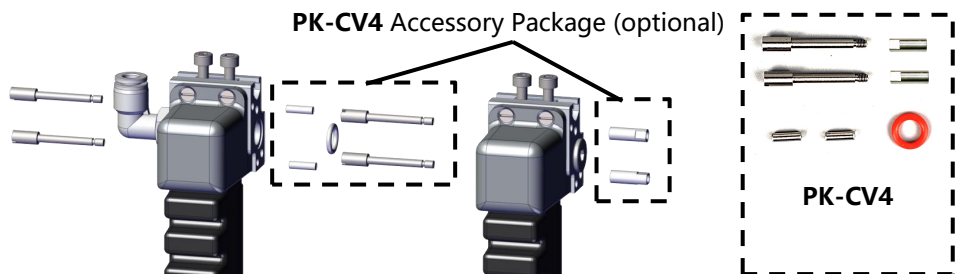


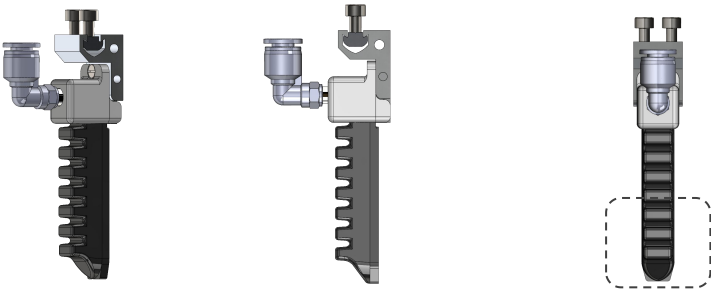
Assembly


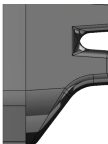




Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





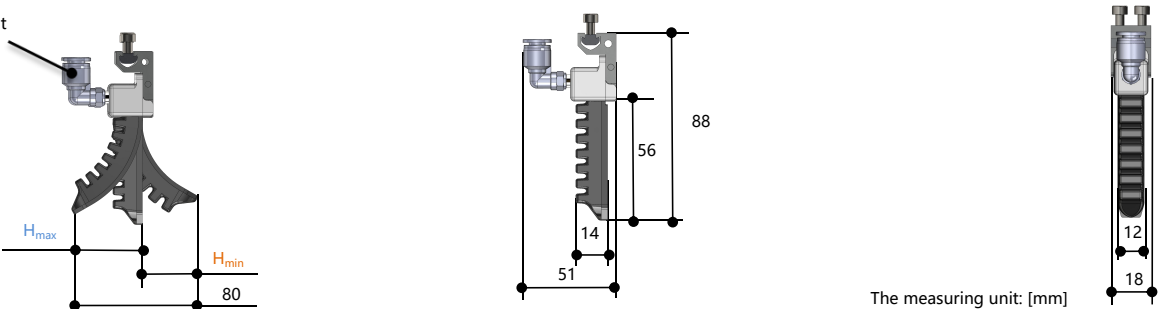
| Finger Pattern | |
|---|---|
| LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. |
|  |  |

| Normal Material | | Dust-free Normal Material | | | Strong Material | | Dust-free Strong Material | | |
|---|---|---------------------------|--|------------|---|---|---------------------------|--|------------|
| FM-C8V5/LS1[P] | | FM-C8V5/LS1[PAS] | | | FM-C8V5/LS1[H] | | FM-C8V5/LS1[HAS] | | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 42 | 38 | ⚠ 120 |  54 | 32 | 42 | 16 | ⚠ 220 |  75 | 32 |

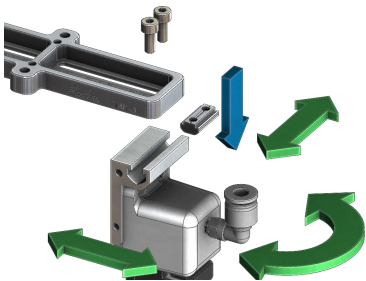
 Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.

 The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

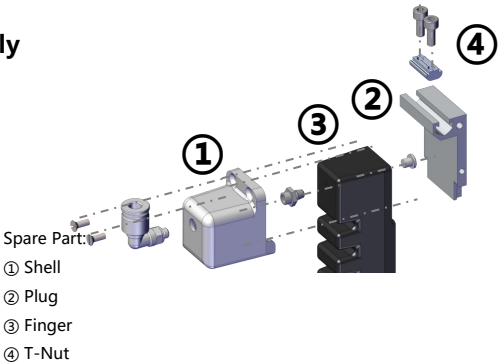
6mm Pipe Joint (rotatable)



Air Intake & Pose Adjustment

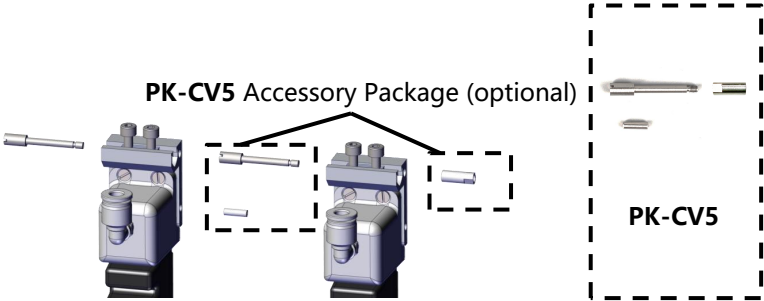


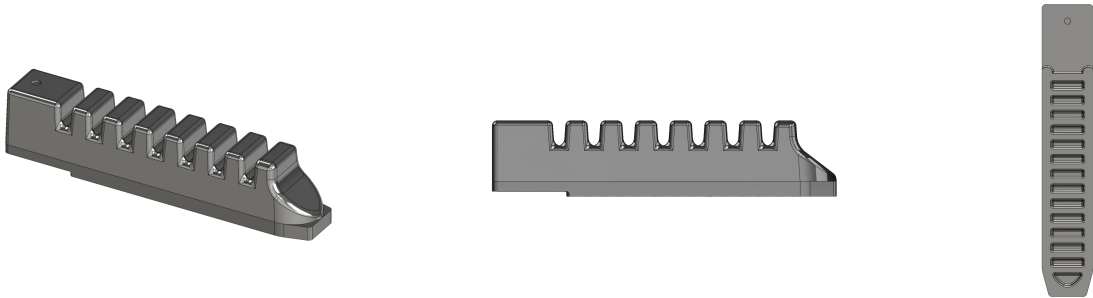
Assembly





Series combination:

- 1. Build multiple finger modules in series to increase the grip force.
 - 2. Realize seamless splicing between finger modules, with convenient assembly, good rigidity, and space-saving.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. This part kit is not included in the finger module and needs to be ordered separately.





| Finger Pattern | | Features | | | | | | | |
|---|---|---|--|------------|---|---|---------------------|--|------------|
| LS1 | Standard form | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | | | | | |
| Normal Material | | Dust-free Normal Material | | | Strong Material | | | Dust-free Strong Material | |
| F-C8T/LS1[P] | | F-C8T/LS1[PAS] | | | F-C8T/LS1[H] | | | F-C8T/LS1[HAS] | |
| Finger color: Black | | | | | Finger color: Grey | | | | |
| Positive Pressure Range (P=100kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] | Positive Pressure Range (P=250kPa) Hmin[mm] | Negative Pressure Range (P=-80kPa) Hmax[mm] | Safe Pressure [kPa] | Recommended Load per Finger [g] | Weight [g] |
| 42 | 38 | ⚠ 120 |  54 | 8 | 42 | 16 | ⚠ 220 |  75 | 8 |

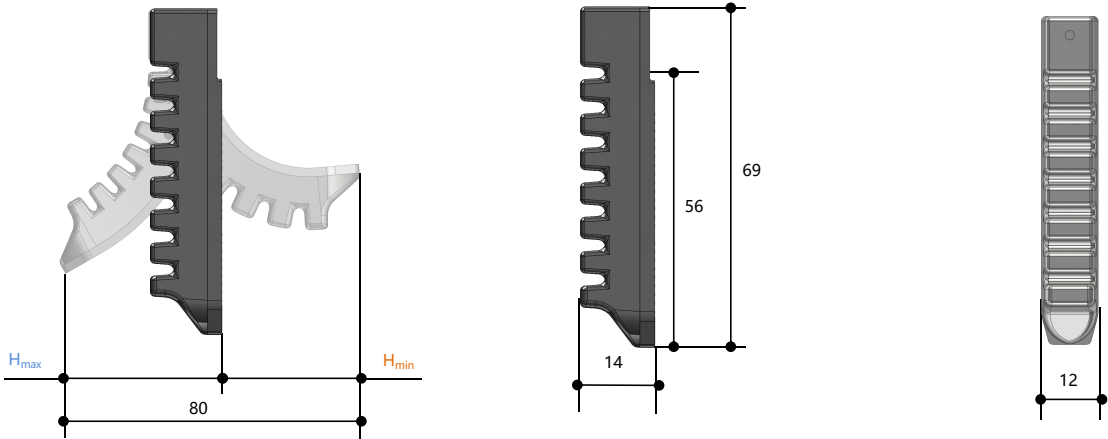


Please pay attention to the safe pressure. Always use the Rochu control unit or pressure reducer between grippers and air pumps. Overpressure will cause irreversible damage to the product, resulting in a sharp reduction of lifetime.



The Recommended Load is only a basic suggestion. The real working load of the gripper is related to the shape of the object, friction coefficient, finger pattern, machine speed, etc. For stable gripping, please consult our colleague to send your samples.

Dimension Parameters

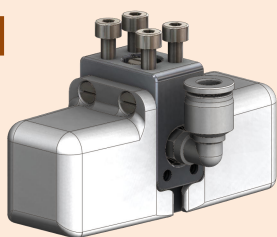


Finger Module[FM]

- The **Finger Module [FM]** is composed of the **Assembly module [SFM]** and the **Finger [F]**.
- Different **Assembly module [SFM]** has different air intake, fixation position, and combination mode.
- Select the appropriate **Finger[F]** according to the weight and size of the gripped workpiece. See [page53](#) for the calculation method of gripping force.
- The safe pressure of the **Finger Module [FM]** is 120-300kpa. Please refer to the product label or packaging instructions.

Assembly module[SFM]

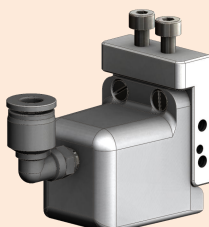
V1



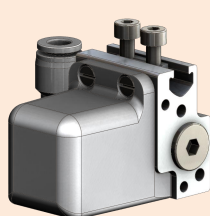
V2



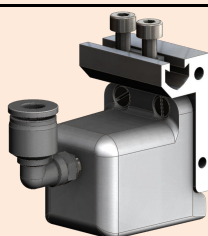
V3



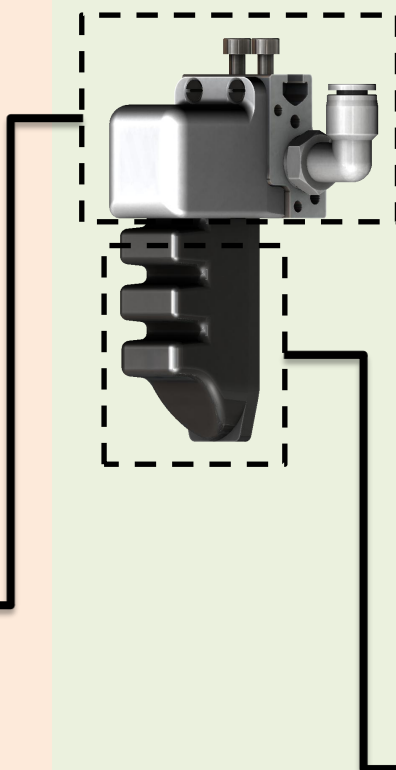
V4



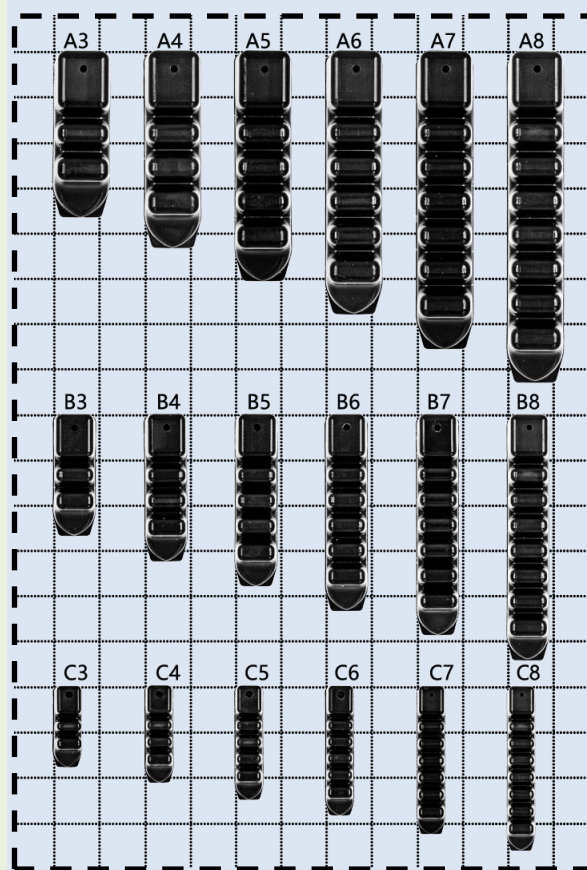
V5



Finger module[FM]



Finger [F]



Size of Finger Module [FM]

According to the width and length of Fingers[F], they are divided into the following 18 sizes*.

A3, A4, A5, A6, A7, A8;

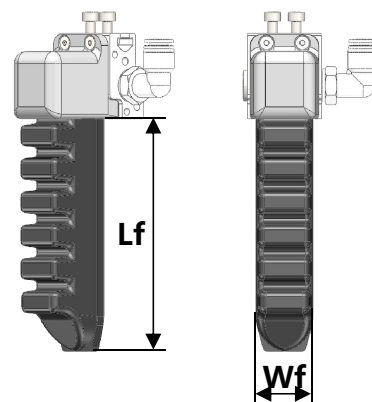
B3, B4, B5, B6, B7, B8;

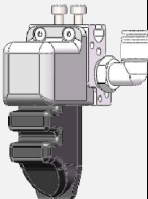
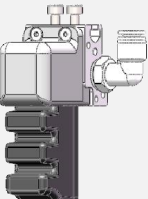
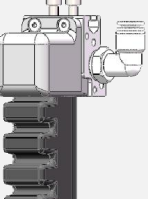
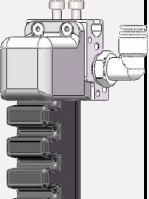
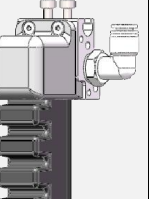
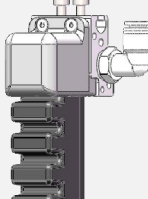
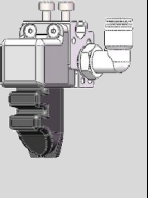
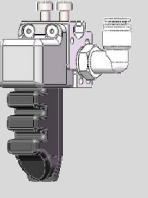
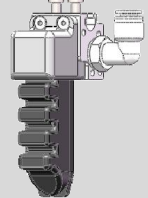
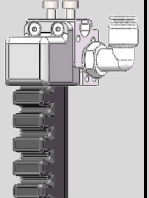
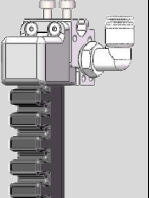
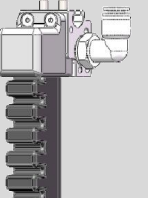
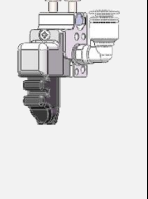
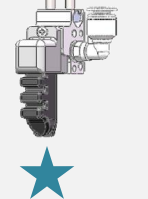
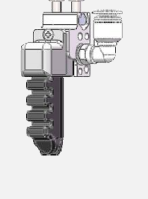
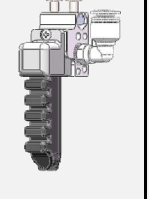
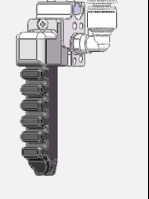
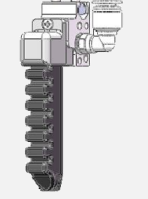
C3, C4, C5, C6, C7, C8.

Select different finger-widths [Wf] according to the weight of the workpiece. The larger the [Wf], the greater the gripping force

According to the workpiece size, select different finger-lengths [Lf]. Long fingers have a better fitting of the big workpiece. Short fingers have higher accuracy.

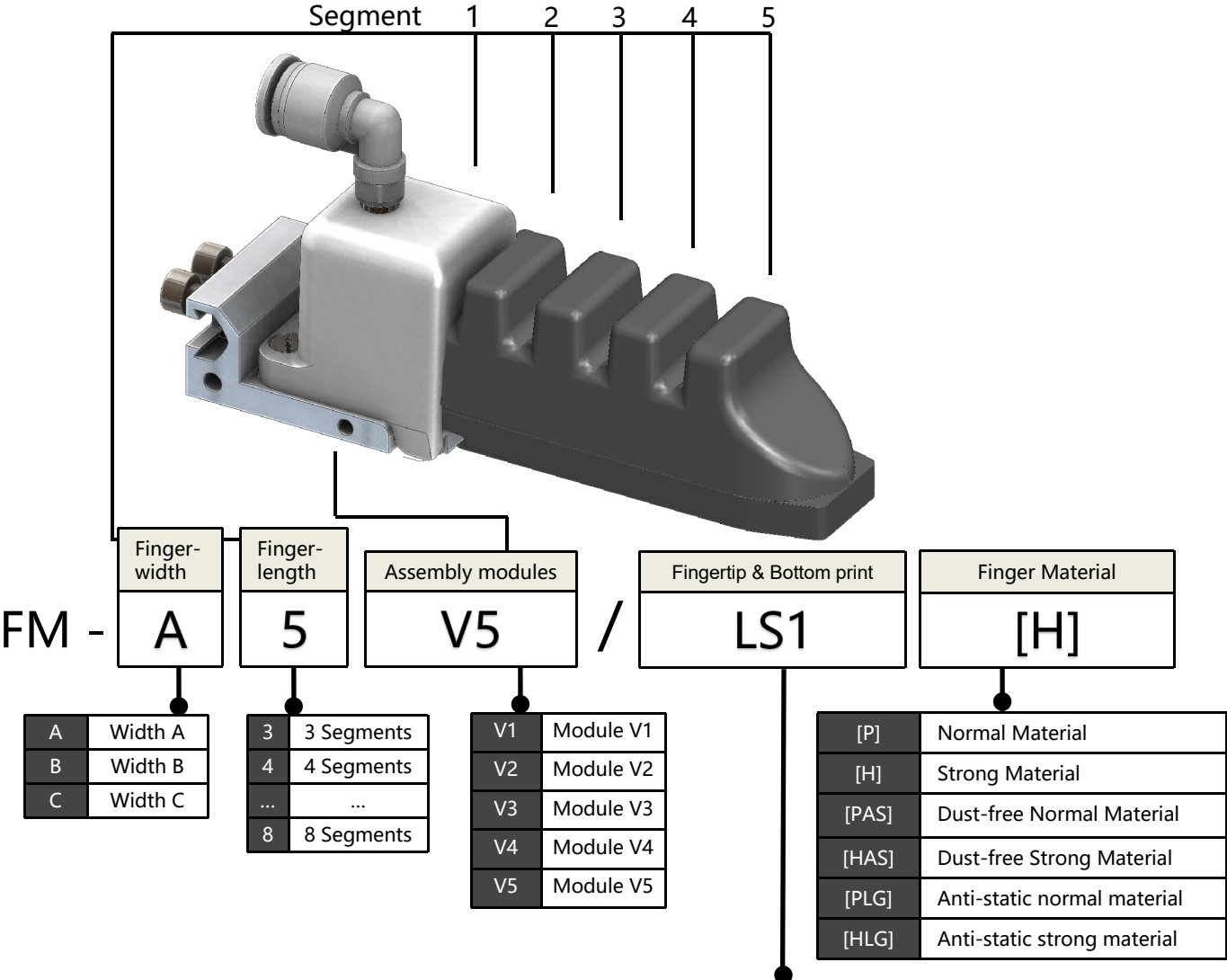
*: For customized finger, please contact our customer service.



| | 3 Segments | 4 Segments | 5 Segments | 6 Segments | 7 Segments | 8 Segments | Wf [mm] |
|--------------------|---|---|---|---|---|---|---------|
| Finger Size | A3 | A4 | A5 | A6 | A7 | A8 | |
| Lf[mm] | 41 | 55 | 69 | 83 | 97 | 111 | |
| A |  |  |  |  |  |  | 24 |
| | | ★ | ★ | | | | |
| Finger Size | B3 | B4 | B5 | B6 | B7 | B8 | |
| Lf[mm] | 31 | 41.5 | 52 | 62.5 | 73 | 83.5 | |
| B |  |  |  |  |  |  | 18 |
| | | | ★ | | | | |
| Finger Size | C3 | C4 | C5 | C6 | C7 | C8 | |
| Lf[mm] | 21 | 28 | 35 | 42 | 49 | 56 | |
| C |  |  |  |  |  |  | 12 |
| | | ★ | | | | | |

★ : Common Finger Size

Encoding Method

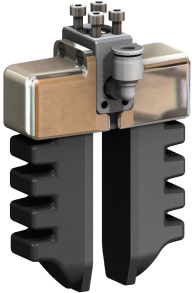
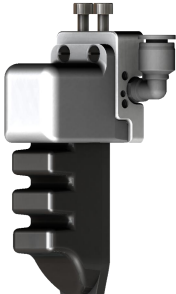

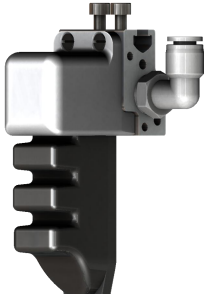



| Fingertip & Bottom print | | Features | Pictures | | |
|--------------------------|-----|---|----------|--|--|
| Standard | LS1 | Good versatility and wear resistance, suitable for rough object surfaces such as food, metal, and plastics. | | | |
| | LF1 | Suitable for smooth dry workpieces and soft food. | | | |
| Special* | FS3 | Suitable for soft fabric products. | | | |
| | LS8 | Suitable for sheet metal parts, flat glass, PCB, car headlights, and other plates. | | | |

* Please consult our customer service for more Special Fingertips and Bottom prints.

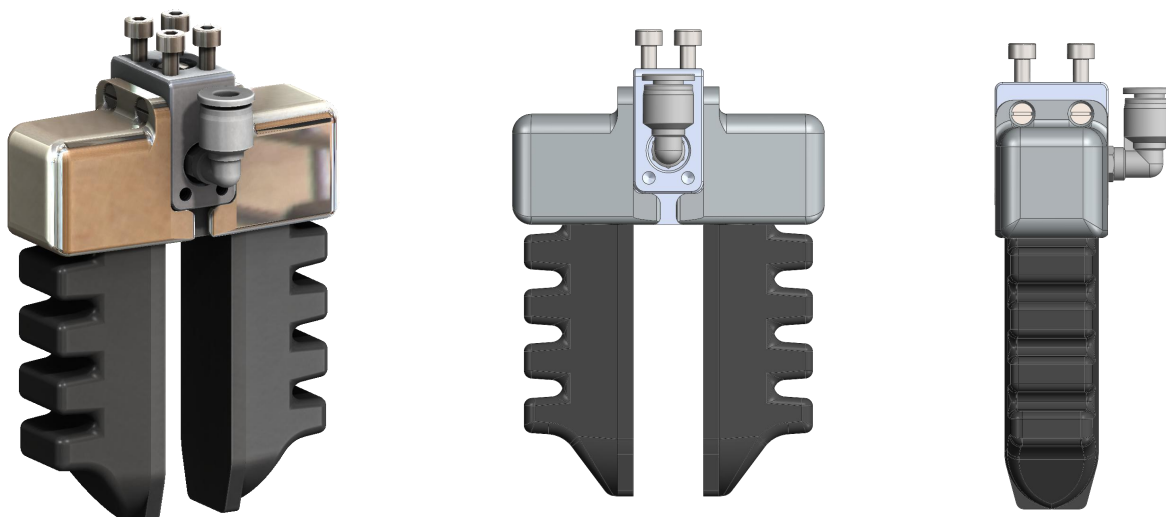
Assembly Modules

There are five Assembly Modules **V1**, **V2**, **V3**, **V4**, and **V5** with different air intakes, and fixation positions.

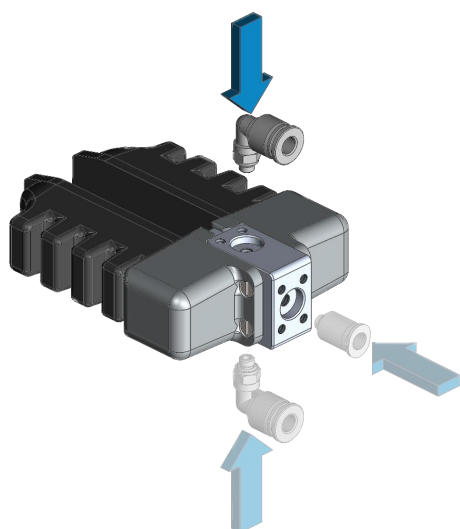
| Assembly Modules | Pictures | Structural Features |
|--|---|---|
| V1 Compact two-finger module |  | <ul style="list-style-type: none"> • Features: Double finger module combination, compact structure, and small space. Finger spacing and installation angle are unadjustable. It is suitable for gripping small, light, and thin workpieces. • Fixation: Can be fixed on three sides (optional). • Air intake: Intake joints are installed on three sides (optional). • Additional Sensor module (optional). |
| V2 Single-finger Module |  | <ul style="list-style-type: none"> • Features: Single finger module combination, compatible with [SMP] sliding mounting plate, adjustable spacing and angle between fingers. • Fixation: Can be fixed on four sides (optional). • Air intake: Intake joints can be installed on three sides (optional). • Additional Sensor module (optional). |
| V3 Single-finger Module |  | <ul style="list-style-type: none"> • Features: Single finger module combination, compatible with [SMP] Slide Mounting Plate, adjustable spacing, and angle between fingers. • Fixation: Can be fixed on three sides (optional). • Air intake: The intake joint can only be installed on one side (the back of the finger). • Additional Sensor module (optional). |
| V4 Series-finger Module |  | <ul style="list-style-type: none"> • Features: Series-finger Module, the gripping force is large, which can be used in series (using a parts kit [PK]). Only one air intake when more finger modules build in series. More fingers in series are good at gripping large and heavy objects. • Fixation: It is fixed with T-nut. When installed with a sliding mounting plate, it can adjust the front and rear, left and right, and rotation respectively. • Air intake: Air intake on left or right sides (optional). |
| V5 Series-finger Module |  | <ul style="list-style-type: none"> • Features: Series-finger Module, can be used in series. the minimum finger spacing of the installation module is only 10mm, which is suitable for clamping small and light workpieces. Compared with V4, each finger needs an independent air intake. • Fixation: It is fixed with T-nut. When installed with a sliding mounting plate, it can adjust the front and rear, left and right, and rotation respectively. • Air intake: Single air intake on finger backside. |

V1 Assembly module: Compact two-finger module

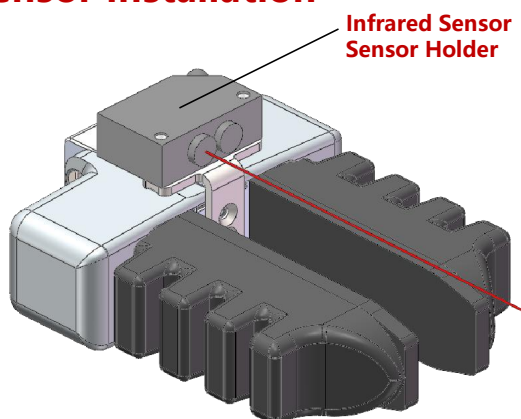
- **Features:** Double finger module combination, compact structure, and small space. Finger spacing and installation angle are unadjustable. It is suitable for gripping small, light, and thin workpieces.
- **Fixation:** Can be fixed on three sides (optional).
- **Air intake:** Intake joints are installed on three sides (optional).
- Additional Sensor module (optional).



Air Intake

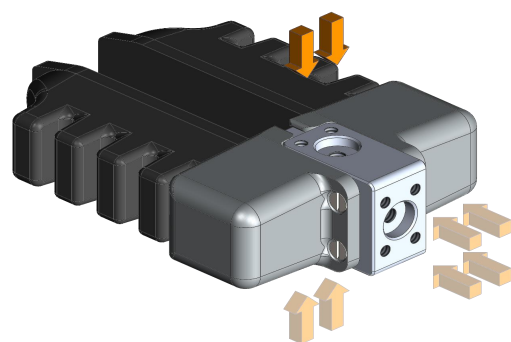


Sensor Installation

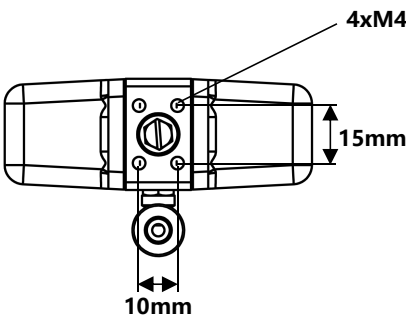
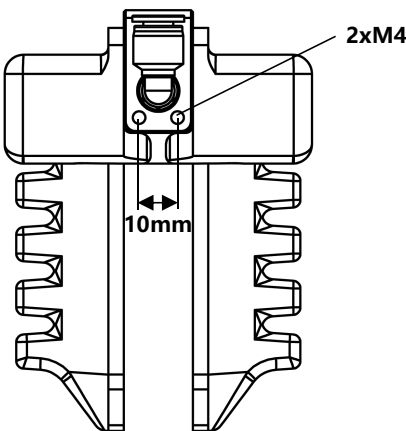


V1Assembly module: Compact two-finger module

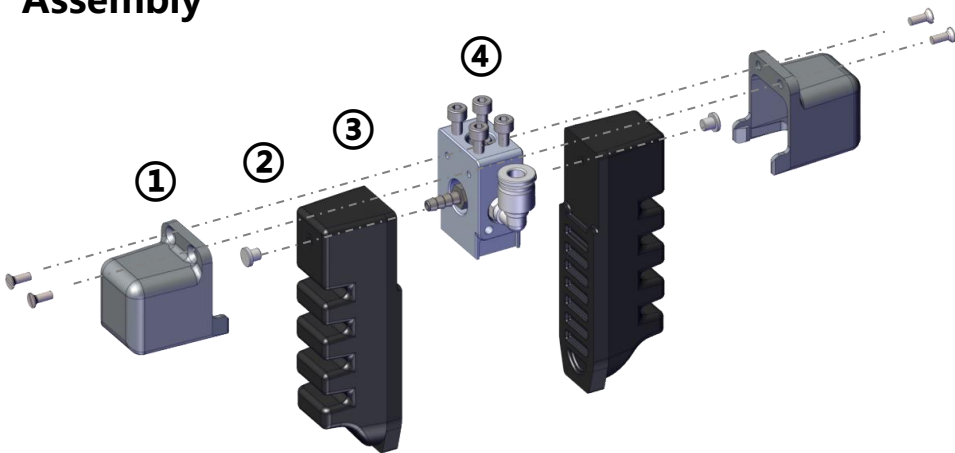
Fixation



Dimensions

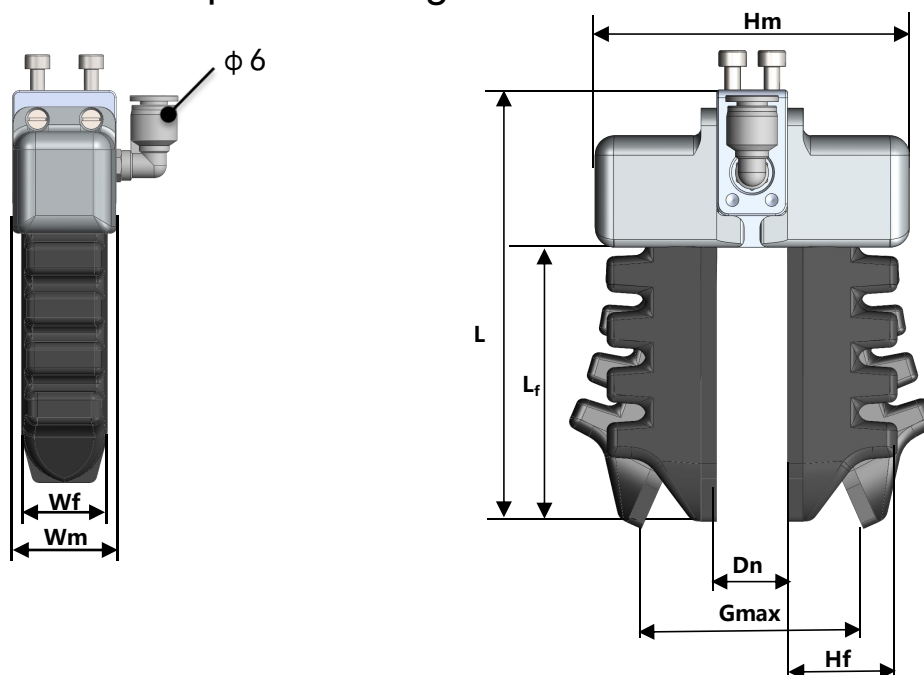


Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

V1 Assembly module: Compact two-finger module



| Finger Size | Finger Module | Dn [mm] | Gmax * [mm] | | Hm [mm] | Hf [mm] | Lm [mm] | Lf [mm] | Wm [mm] | Wf [mm] | Weight [g] | Safe Pressure [kPa] | |
|-------------|---------------|---------|-----------------|-----------|---------|---------|---------|---------|---------|---------|------------|---------------------|-----------|
| | | | Finger Material | | | | | | | | | Finger Material | |
| | | | [P]/[PAS] | [H]/[HAS] | | | | | | | | [P]/[PAS] | [H]/[HAS] |
| A3 | FM-A3V1 | 18 | 34 | 32 | 80 | 28 | 81 | 41 | 29 | 24 | 153 | 120 | 300 |
| A4 | FM-A4V1 | 18 | 38 | 42 | 80 | 28 | 95 | 55 | 29 | 24 | 167 | 120 | 300 |
| A5 | FM-A5V1 | 18 | 56 | 50 | 80 | 28 | 109 | 69 | 29 | 24 | 181 | 120 | 300 |
| A6 | FM-A6V1 | 18 | 84 | 62 | 80 | 28 | 123 | 83 | 29 | 24 | 195 | 120 | 300 |
| A7 | FM-A7V1 | 18 | 96 | 72 | 80 | 28 | 137 | 97 | 29 | 24 | 210 | 120 | 300 |
| A8 | FM-A8V1 | 18 | 108 | 82 | 80 | 28 | 151 | 111 | 29 | 24 | 224 | 120 | 300 |
| | | | | | | | | | | | | | |
| B3 | FM-B3V1 | 18 | 38 | 30 | 65 | 21 | 64 | 31 | 23 | 18 | 77 | 120 | 260 |
| B4 | FM-B4V1 | 18 | 44 | 38 | 65 | 21 | 74.5 | 41.5 | 23 | 18 | 85 | 120 | 260 |
| B5 | FM-B5V1 | 18 | 50 | 46 | 65 | 21 | 85 | 52 | 23 | 18 | 94 | 120 | 260 |
| B6 | FM-B6V1 | 18 | 64 | 52 | 65 | 21 | 95.5 | 62.5 | 23 | 18 | 102 | 120 | 260 |
| B7 | FM-B7V1 | 18 | 78 | 60 | 65 | 21 | 106 | 73 | 23 | 18 | 110 | 120 | 260 |
| B8 | FM-B8V1 | 18 | 92 | 68 | 65 | 21 | 116.5 | 83.5 | 23 | 18 | 118 | 120 | 260 |
| | | | | | | | | | | | | | |
| C3 | FM-C3V1 | 15 | 25 | 17 | 47 | 14 | 46 | 21 | 21.5 | 12 | 42 | 120 | 220 |
| C4 | FM-C4V1 | 15 | 33 | 21 | 47 | 14 | 53 | 28 | 21.5 | 12 | 44 | 120 | 220 |
| C5 | FM-C5V1 | 15 | 39 | 31 | 47 | 14 | 60 | 35 | 21.5 | 12 | 45 | 120 | 220 |
| C6 | FM-C6V1 | 15 | 55 | 35 | 47 | 14 | 67 | 42 | 21.5 | 12 | 47 | 120 | 220 |
| C7 | FM-C7V1 | 15 | 73 | 41 | 47 | 14 | 74 | 49 | 21.5 | 12 | 48 | 120 | 220 |
| C8 | FM-C8V1 | 15 | 91 | 47 | 47 | 14 | 81 | 56 | 21.5 | 12 | 50 | 120 | 220 |

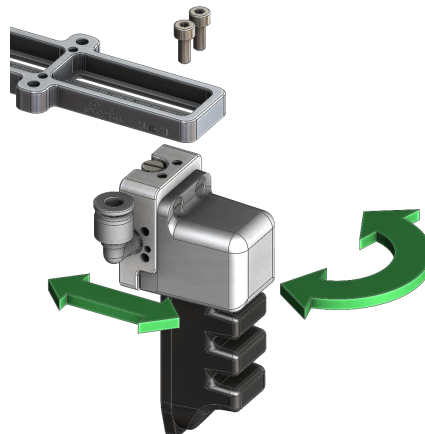
*: G_{max} measured when real working pressure P= -80kPa (vacuum)

V2 Assembly module: Single-finger Module

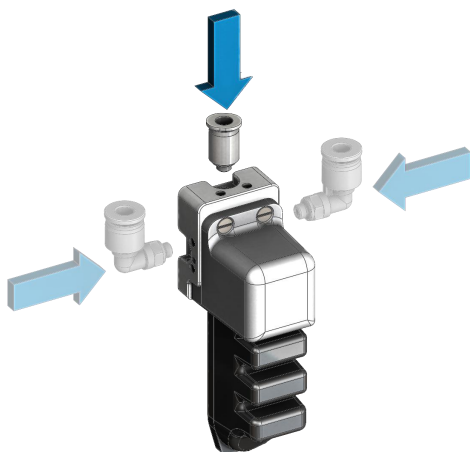
- **Features:** Single finger module combination, compatible with [SMP] sliding mounting plate, adjustable spacing and angle between fingers.
- **Fixation:** Can be fixed on four sides (optional).
- **Air intake:** Intake joints can be installed on three sides (optional).
- Additional Sensor module (optional).



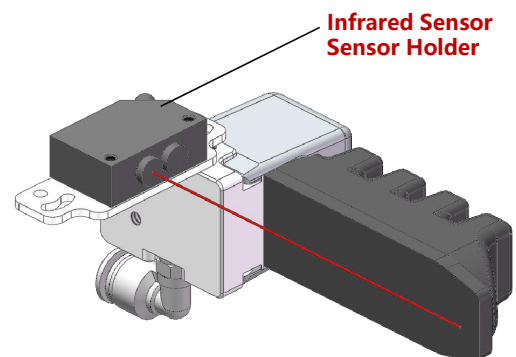
Pose Adjustment



Air Intake

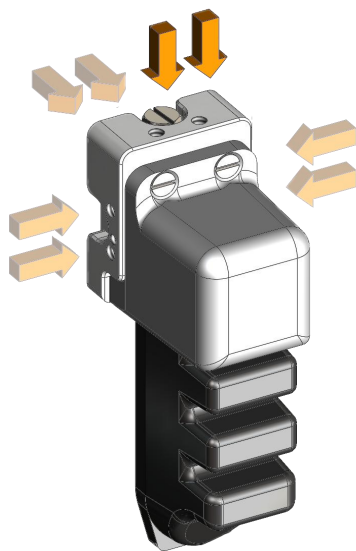


Sensor Installation

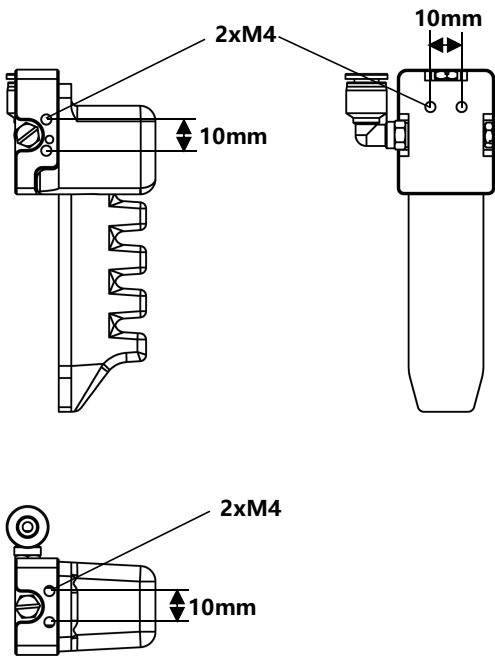


V2 Assembly module: Single-finger Module

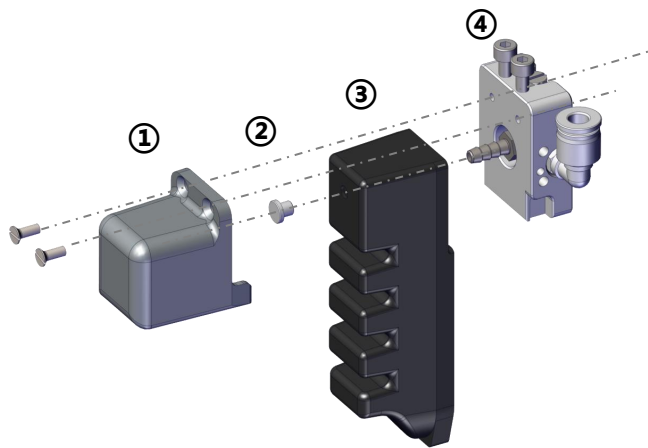
Fixation



Dimensions



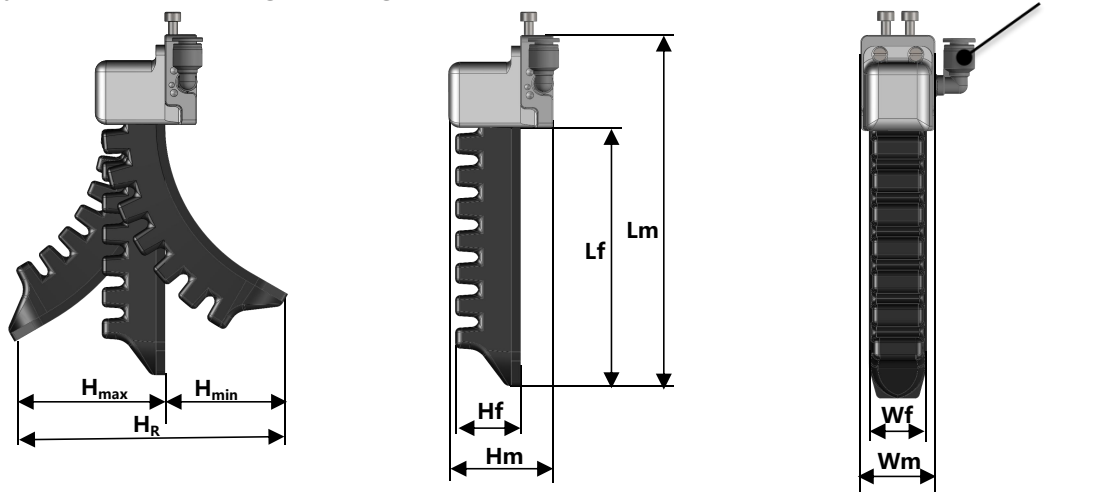
Assembly



Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

V2 Assembly module: Single-finger Module



| Finger Size | Finger Module | HR [mm] | Negative Pressure Range* Hmax [mm] | | Positive Pressure Range ** Hmin [mm] | Hm [mm] | Hf [mm] | Lm [mm] | Lf [mm] | Wm [mm] | Wf [mm] | Weight [g] | Safe Pressure [kPa] | |
|-------------|---------------|---------|---------------------------------------|-----------|---|---------|---------|---------|---------|---------|---------|------------|---------------------|-----------|
| | | | Finger Material | | | | | | | | | | Finger Material | |
| | | | [P]/[PAS] | [H]/[HAS] | | | | | | | | | [P]/[PAS] | [H]/[HAS] |
| A3 | FM-A3V2 | 16.5 | 8 | 7 | 8.5 | 45 | 28 | 82 | 41 | 31 | 24 | 92 | 120 | 300 |
| A4 | FM-A4V2 | 27 | 10 | 12 | 17 | 45 | 28 | 96 | 55 | 31 | 24 | 99 | 120 | 300 |
| A5 | FM-A5V2 | 43.5 | 19 | 16 | 24.5 | 45 | 28 | 110 | 69 | 31 | 24 | 106 | 120 | 300 |
| A6 | FM-A6V2 | 72 | 33 | 22 | 39 | 45 | 28 | 124 | 83 | 31 | 24 | 113 | 120 | 300 |
| A7 | FM-A7V2 | 90 | 39 | 27 | 51 | 45 | 28 | 138 | 97 | 31 | 24 | 120 | 120 | 300 |
| A8 | FM-A8V2 | 109 | 45 | 32 | 64 | 45 | 28 | 152 | 111 | 31 | 24 | 127 | 120 | 300 |
| | | | | | | | | | | | | | | |
| B3 | FM-B3V2 | 19 | 10 | 6 | 9 | 37.5 | 21 | 65 | 31 | 25 | 18 | 52 | 120 | 260 |
| B4 | FM-B4V2 | 29 | 13 | 10 | 16 | 37.5 | 21 | 76 | 41.5 | 25 | 18 | 56 | 120 | 260 |
| B5 | FM-B5V2 | 40 | 16 | 14 | 24 | 37.5 | 21 | 86 | 52 | 25 | 18 | 60 | 120 | 260 |
| B6 | FM-B6V2 | 53 | 23 | 17 | 30 | 37.5 | 21 | 97 | 62.5 | 25 | 18 | 64 | 120 | 260 |
| B7 | FM-B7V2 | 75 | 30 | 21 | 45 | 37.5 | 21 | 107 | 73 | 25 | 18 | 68 | 120 | 260 |
| B8 | FM-B8V2 | 98 | 37 | 25 | 61 | 37.5 | 21 | 118 | 83.5 | 25 | 18 | 72 | 120 | 260 |
| | | | | | | | | | | | | | | |
| C3 | FM-C3V2 | 10.5 | 5 | 1 | 5.5 | 30 | 14 | 44 | 21 | 18 | 12 | 27 | 120 | 220 |
| C4 | FM-C4V2 | 20 | 9 | 3 | 11 | 30 | 14 | 51 | 28 | 18 | 12 | 27 | 120 | 220 |
| C5 | FM-C5V2 | 27 | 12 | 8 | 15 | 30 | 14 | 58 | 35 | 18 | 12 | 28 | 120 | 220 |
| C6 | FM-C6V2 | 42 | 20 | 10 | 22 | 30 | 14 | 65 | 42 | 18 | 12 | 29 | 120 | 220 |
| C7 | FM-C7V2 | 63 | 29 | 13 | 34 | 30 | 14 | 72 | 49 | 18 | 12 | 30 | 120 | 220 |
| C8 | FM-C8V2 | 80 | 38 | 16 | 42 | 30 | 14 | 79 | 56 | 18 | 12 | 31 | 120 | 220 |

* : Negative Pressure Range H_{max} Working pressure is -80kPa.

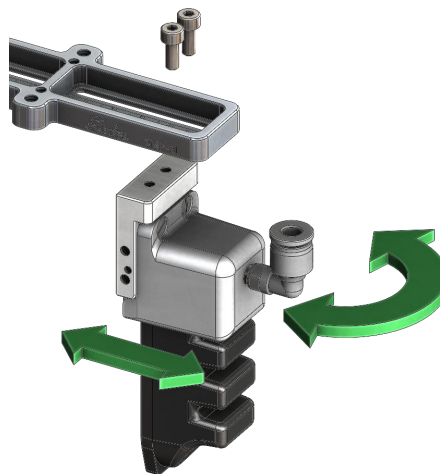
** : Positive Pressure Range H_{min} : For Normal Material Finger[P]/[PAS], working pressure is 100kPa. For Strong Material Finger[H]/[HAS], working pressure is 250kPa. (缩进)

V3 Assembly module: Single-finger Module

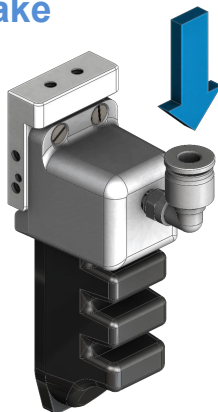
- **Features:** Single finger module combination, compatible with [SMP] Slide Mounting Plate, adjustable spacing, and angle between fingers.
- **Fixation:** Can be fixed on three sides (optional).
- **Air intake:** The intake joint can only be installed on one side (the back of the finger).
- Additional Sensor module (optional).



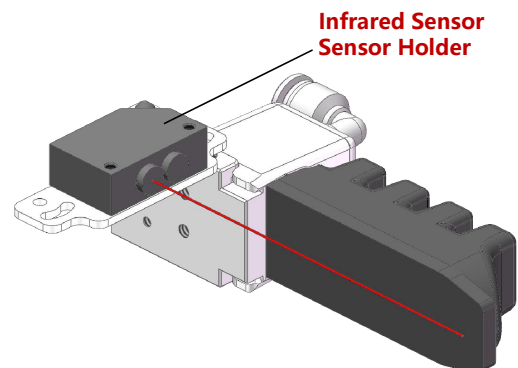
Pose Adjustment



Air intake

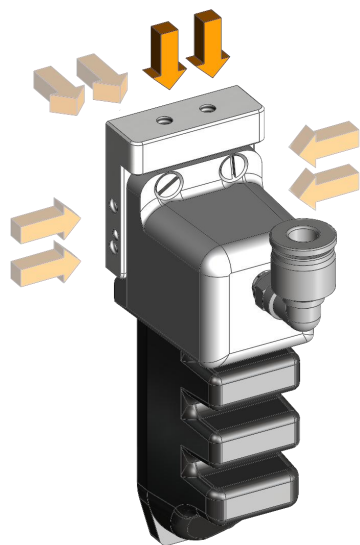


Sensor Installation

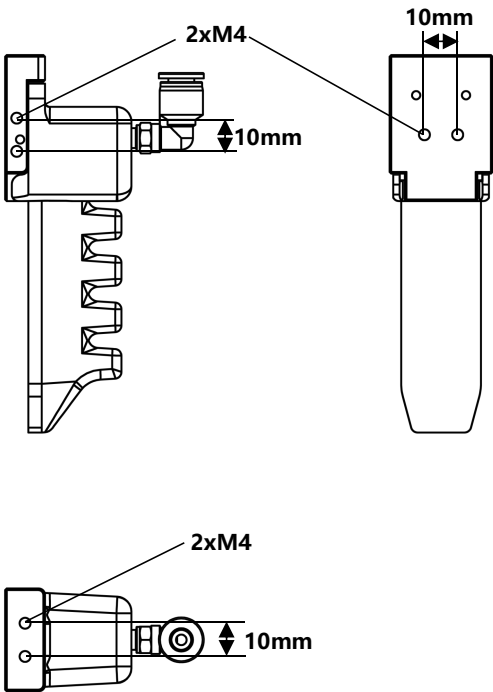


V3 Assembly module: Single-finger Module

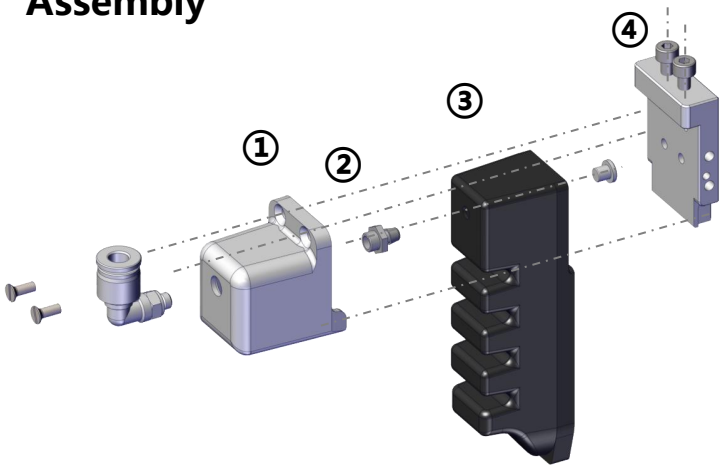
Fixation



Dimensions

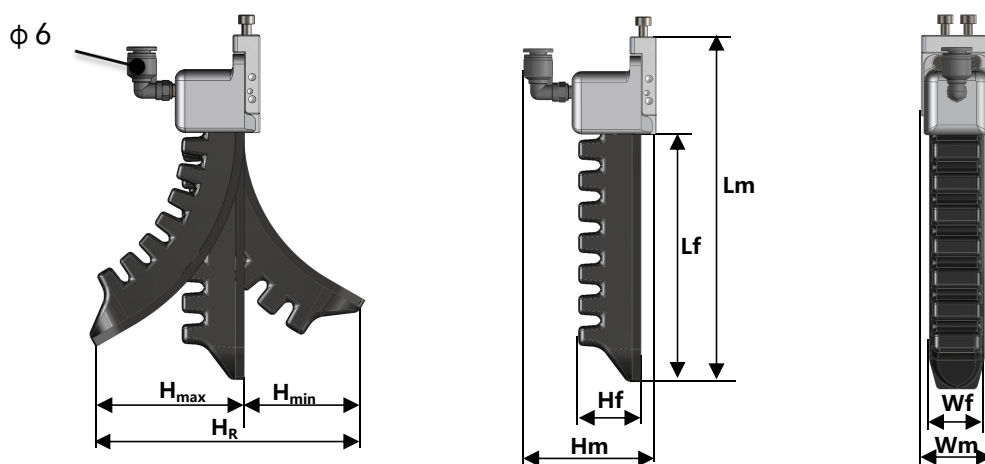


Assembly



- Spare Part:
- ① Shell
 - ② Plug
 - ③ Finger
 - ④ Mounting Block

V3 Assembly module: Single-finger Module



| Finger Size | Finger Module | HR [mm] | Negative Pressure Range * Hmax [mm] | | Positive Pressure Range ** Hmin [mm] | Hm [mm] | Hf [mm] | Lm [mm] | Lf [mm] | Wm [mm] | Wf [mm] | Weight [g] | Safe Pressure [kPa] | |
|-------------|---------------|---------|--|-----------|---|---------|---------|---------|---------|---------|---------|------------|---------------------|-----------|
| | | | Finger Material | | | | | | | | | | Finger Material | |
| | | | [P]/[PAS] | [H]/[HAS] | | | | | | | | | [P]/[PAS] | [H]/[HAS] |

| | | | | | | | | | | | | | | |
|----|---------|------|----|----|------|----|----|-------|-----|----|----|-----|-----|-----|
| A3 | FM-A3V3 | 16.5 | 8 | 7 | 8.5 | 60 | 28 | 85.5 | 41 | 31 | 24 | 77 | 120 | 300 |
| A4 | FM-A4V3 | 27 | 10 | 12 | 17 | 60 | 28 | 99.5 | 55 | 31 | 24 | 84 | 120 | 300 |
| A5 | FM-A5V3 | 43.5 | 19 | 16 | 24.5 | 60 | 28 | 113.5 | 69 | 31 | 24 | 91 | 120 | 300 |
| A6 | FM-A6V3 | 72 | 33 | 22 | 39 | 60 | 28 | 127.5 | 83 | 31 | 24 | 98 | 120 | 300 |
| A7 | FM-A7V3 | 90 | 39 | 27 | 51 | 60 | 28 | 141.5 | 97 | 31 | 24 | 105 | 120 | 300 |
| A8 | FM-A8V3 | 109 | 45 | 32 | 64 | 60 | 28 | 155.5 | 111 | 31 | 24 | 112 | 120 | 300 |

| | | | | | | | | | | | | | | |
|----|---------|----|----|----|----|----|----|-------|------|----|----|----|-----|-----|
| B3 | FM-B3V3 | 19 | 10 | 6 | 9 | 53 | 21 | 68.5 | 31 | 25 | 18 | 43 | 120 | 260 |
| B4 | FM-B4V3 | 29 | 13 | 10 | 16 | 53 | 21 | 79.5 | 41.5 | 25 | 18 | 47 | 120 | 260 |
| B5 | FM-B5V3 | 40 | 16 | 14 | 24 | 53 | 21 | 89.5 | 52 | 25 | 18 | 51 | 120 | 260 |
| B6 | FM-B6V3 | 53 | 23 | 17 | 30 | 53 | 21 | 100.5 | 62.5 | 25 | 18 | 55 | 120 | 260 |
| B7 | FM-B7V3 | 75 | 30 | 21 | 45 | 53 | 21 | 110.5 | 73 | 25 | 18 | 59 | 120 | 260 |
| B8 | FM-B8V3 | 98 | 37 | 25 | 61 | 53 | 21 | 121.5 | 83.5 | 25 | 18 | 63 | 120 | 260 |

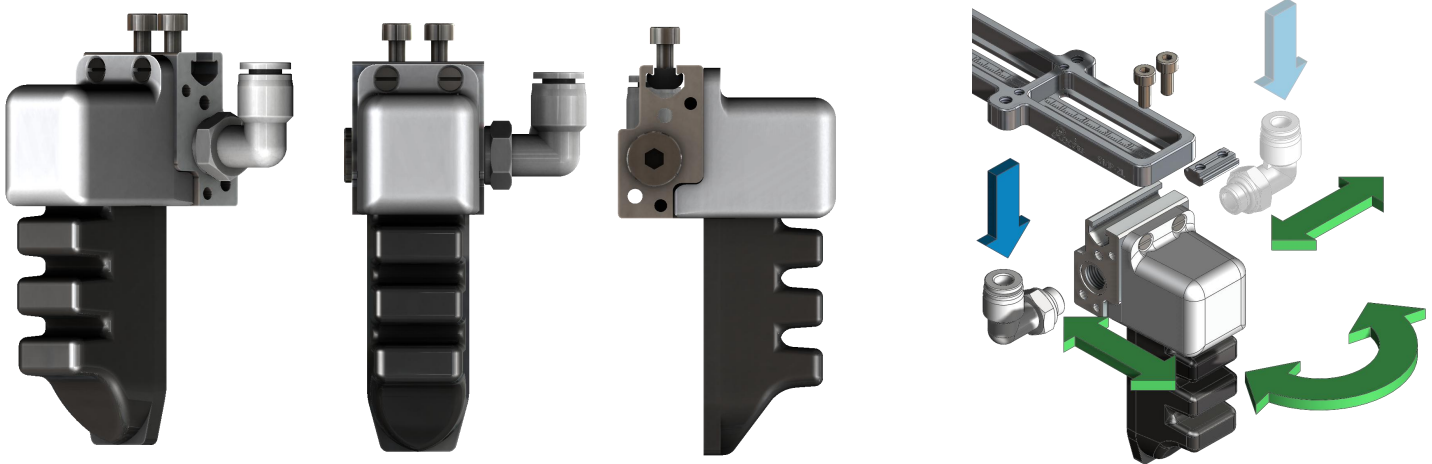
| | | | | | | | | | | | | | | |
|----|---------|------|----|----|-----|----|----|----|----|----|----|----|-----|-----|
| C3 | FM-C3V3 | 10.5 | 5 | 1 | 5.5 | 46 | 14 | 51 | 21 | 18 | 12 | 24 | 120 | 220 |
| C4 | FM-C4V3 | 20 | 9 | 3 | 11 | 46 | 14 | 58 | 28 | 18 | 12 | 25 | 120 | 220 |
| C5 | FM-C5V3 | 27 | 12 | 8 | 15 | 46 | 14 | 65 | 35 | 18 | 12 | 26 | 120 | 220 |
| C6 | FM-C6V3 | 42 | 20 | 10 | 22 | 46 | 14 | 72 | 42 | 18 | 12 | 26 | 120 | 220 |
| C7 | FM-C7V3 | 63 | 29 | 13 | 34 | 46 | 14 | 79 | 49 | 18 | 12 | 27 | 120 | 220 |
| C8 | FM-C8V3 | 80 | 38 | 16 | 42 | 46 | 14 | 86 | 56 | 18 | 12 | 28 | 120 | 220 |

* : Negative Pressure Range **H_{max}** : Working pressure is -80kPa.

** : Positive Pressure Range **H_{min}** : For Normal Material Finger[P]/[PAS], working pressure is 100kPa. For Strong Material Finger[H]/[HAS], working pressure is 250kPa.

V4 Series-finger Module: Series air circuit, high load.

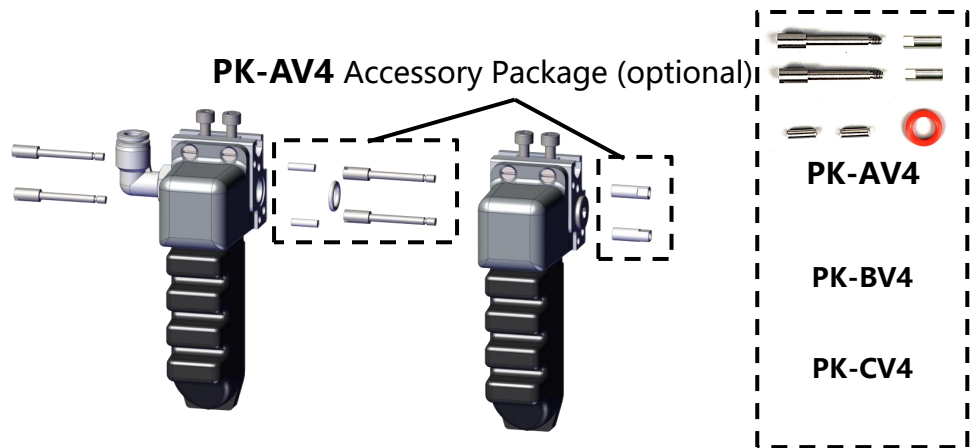
- **Features:** Series-finger Module, the gripping force is large, which can be used in series (using a parts kit [PK]). Only one air intake when more finger modules build in series. More fingers in series are good at gripping large and heavy objects.
- **Fixation:** It is fixed with T-nut. When installed with a sliding mounting plate, it can adjust the front and rear, left and right, and rotation respectively.
- **Air intake:** Air intake on left or right sides (optional).



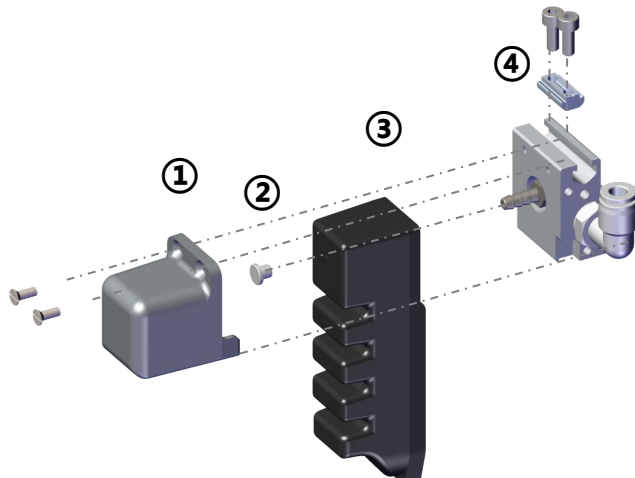
Series combination:

- Multiple finger modules are combined in series to increase the gripping force.
- It can realize the seamless splicing between fingers and share the air inlet to save space.

*Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. The parts kit is not included in the finger module and needs to be ordered separately.



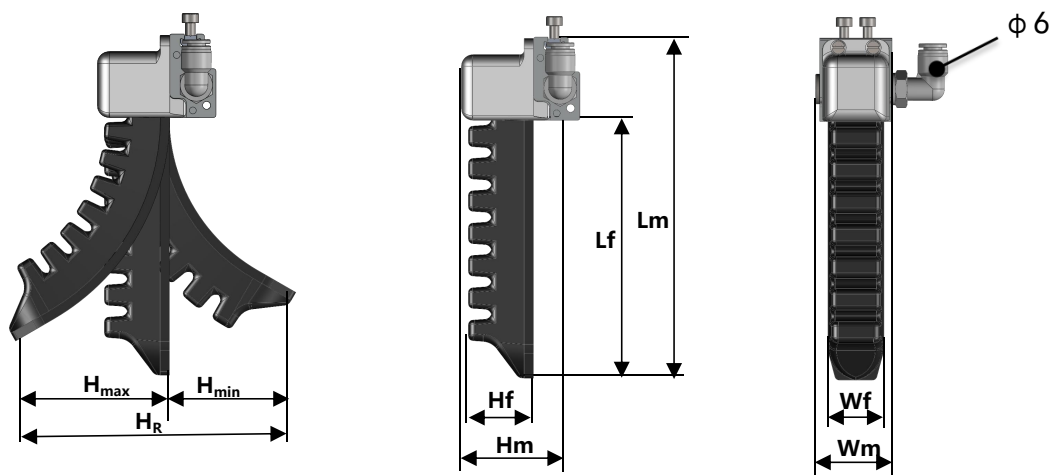
Assembly



Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

V4 Assembly Module: Series-finger Module



| Finger Size | Finger Module | HR [mm] | Negative Pressure Range * Hmax [mm] | | Positive Pressure Range ** Hmin [mm] | Hm [mm] | Hf [mm] | Lm [mm] | Lf [mm] | Wm [mm] | Wf [mm] | Weight [g] | Safe Pressure [kPa] | |
|-------------|---------------|---------|--|------------|---|---------|---------|---------|---------|---------|---------|------------|---------------------|------------|
| | | | Finger Material | | | | | | | | | | Finger Material | |
| | | | [PI]/[PAS] | [HI]/[HAS] | | | | | | | | | [PI]/[PAS] | [HI]/[HAS] |

| | | | | | | | | | | | | | | |
|----|---------|------|----|----|------|----|----|-----|-----|----|----|-----|-----|-----|
| A3 | FM-A3V4 | 16.5 | 8 | 7 | 8.5 | 51 | 28 | 78 | 41 | 31 | 24 | 97 | 120 | 300 |
| A4 | FM-A4V4 | 27 | 10 | 12 | 17 | 51 | 28 | 92 | 55 | 31 | 24 | 104 | 120 | 300 |
| A5 | FM-A5V4 | 43.5 | 19 | 16 | 24.5 | 51 | 28 | 106 | 69 | 31 | 24 | 111 | 120 | 300 |
| A6 | FM-A6V4 | 72 | 33 | 22 | 39 | 51 | 28 | 120 | 83 | 31 | 24 | 119 | 120 | 300 |
| A7 | FM-A7V4 | 90 | 39 | 27 | 51 | 51 | 28 | 134 | 97 | 31 | 24 | 126 | 120 | 300 |
| A8 | FM-A8V4 | 109 | 45 | 32 | 64 | 51 | 28 | 148 | 111 | 31 | 24 | 133 | 120 | 300 |

| | | | | | | | | | | | | | | |
|----|---------|----|----|----|----|----|----|-----|------|----|----|----|-----|-----|
| B3 | FM-B3V4 | 19 | 10 | 6 | 9 | 45 | 21 | 61 | 31 | 25 | 18 | 61 | 120 | 260 |
| B4 | FM-B4V4 | 29 | 13 | 10 | 16 | 45 | 21 | 72 | 41.5 | 25 | 18 | 65 | 120 | 260 |
| B5 | FM-B5V4 | 40 | 16 | 14 | 24 | 45 | 21 | 82 | 52 | 25 | 18 | 69 | 120 | 260 |
| B6 | FM-B6V4 | 53 | 23 | 17 | 30 | 45 | 21 | 93 | 62.5 | 25 | 18 | 73 | 120 | 260 |
| B7 | FM-B7V4 | 75 | 30 | 21 | 45 | 45 | 21 | 103 | 73 | 25 | 18 | 77 | 120 | 260 |
| B8 | FM-B8V4 | 98 | 37 | 25 | 61 | 45 | 21 | 114 | 83.5 | 25 | 18 | 81 | 120 | 260 |

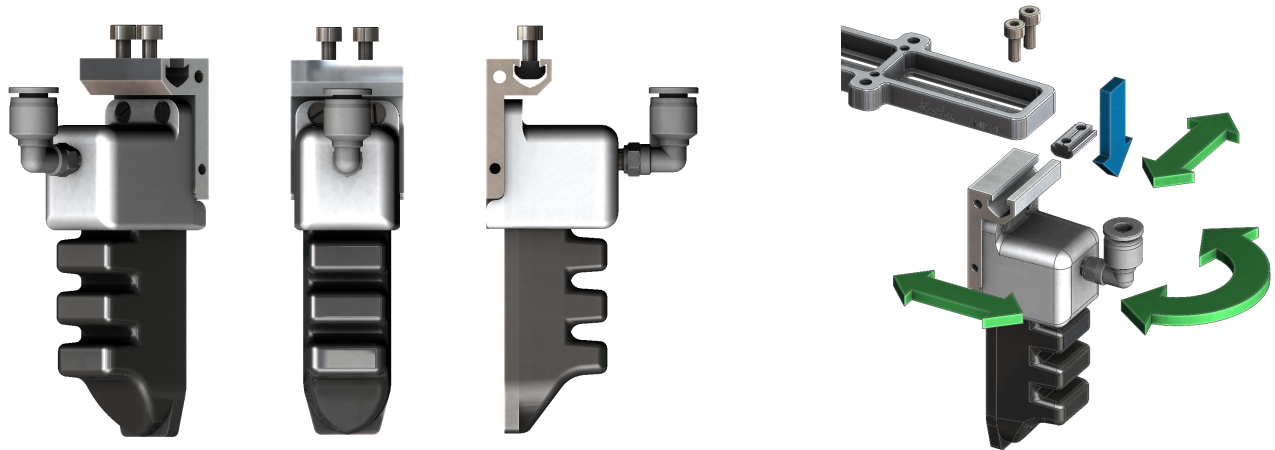
| | | | | | | | | | | | | | | |
|----|---------|------|----|----|-----|----|----|----|----|----|----|----|-----|-----|
| C3 | FM-C3V4 | 10.5 | 5 | 1 | 5.5 | 35 | 14 | 50 | 21 | 18 | 12 | 35 | 120 | 220 |
| C4 | FM-C4V4 | 20 | 9 | 3 | 11 | 35 | 14 | 57 | 28 | 18 | 12 | 36 | 120 | 220 |
| C5 | FM-C5V4 | 27 | 12 | 8 | 15 | 35 | 14 | 64 | 35 | 18 | 12 | 37 | 120 | 220 |
| C6 | FM-C6V4 | 42 | 20 | 10 | 22 | 35 | 14 | 71 | 42 | 18 | 12 | 38 | 120 | 220 |
| C7 | FM-C7V4 | 63 | 29 | 13 | 34 | 35 | 14 | 78 | 49 | 18 | 12 | 38 | 120 | 220 |
| C8 | FM-C8V4 | 80 | 38 | 16 | 42 | 35 | 14 | 85 | 56 | 18 | 12 | 39 | 120 | 220 |

* : Negative Pressure Range H_{max} : Working pressure is -80kPa.

** : Positive Pressure Range H_{min} : For Normal Material Finger[P]/[PAS], working pressure is 100kPa. For Strong Material Finger[H]/[HAS], working pressure is 250kPa.

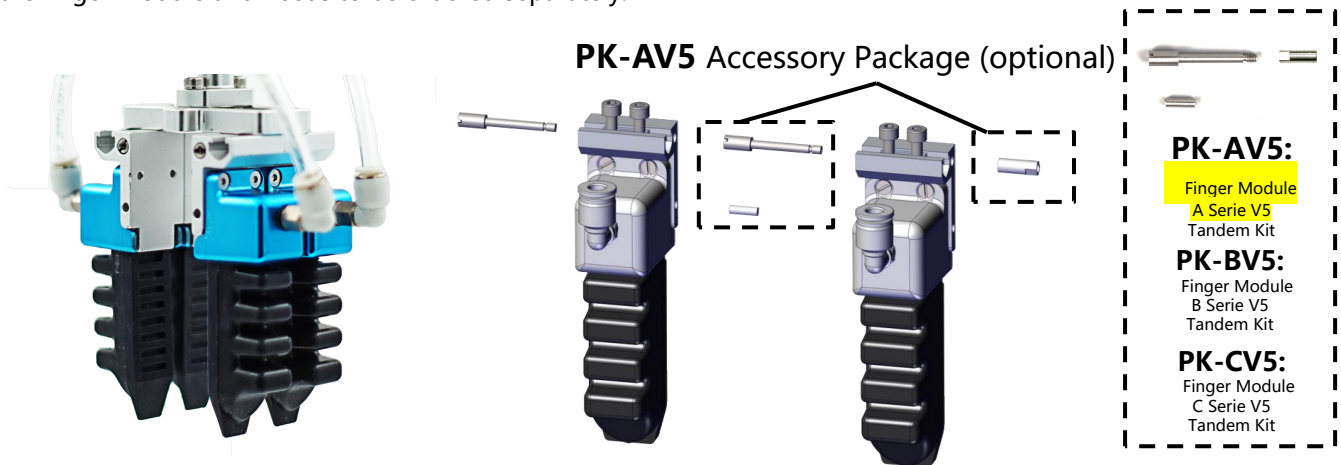
V5 Assembly Module: Series-finger Module

- **Features:** Series-finger Module, can be used in series. the minimum finger spacing of the installation module is only 10mm, which is suitable for clamping small and light workpieces. Compared with V4, each finger needs an independent air intake.
- **Fixation:** It is fixed with T-nut. When installed with a sliding mounting plate, it can adjust the front and rear, left and right, and rotation respectively.
- **Air intake:** Single air intake on finger backside.

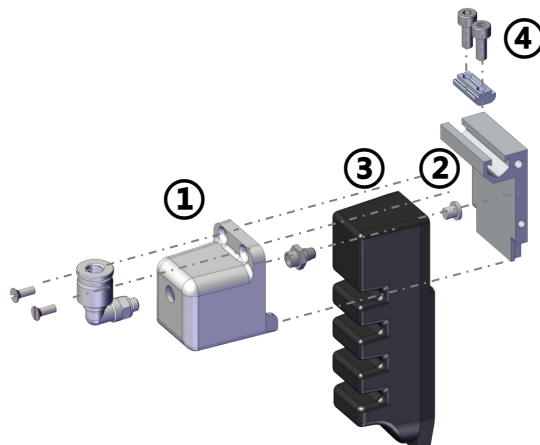


Series combination:

- Multiple fingers are combined in series to work at the same time to increase the gripping force
 - It can realize the seamless splicing between fingers and share the air inlet to save space.
- *Splicing finger modules requires a parts kit [PK] containing the bolts, nuts, sealings, and pins. The parts kit is not included in the finger module and needs to be ordered separately.



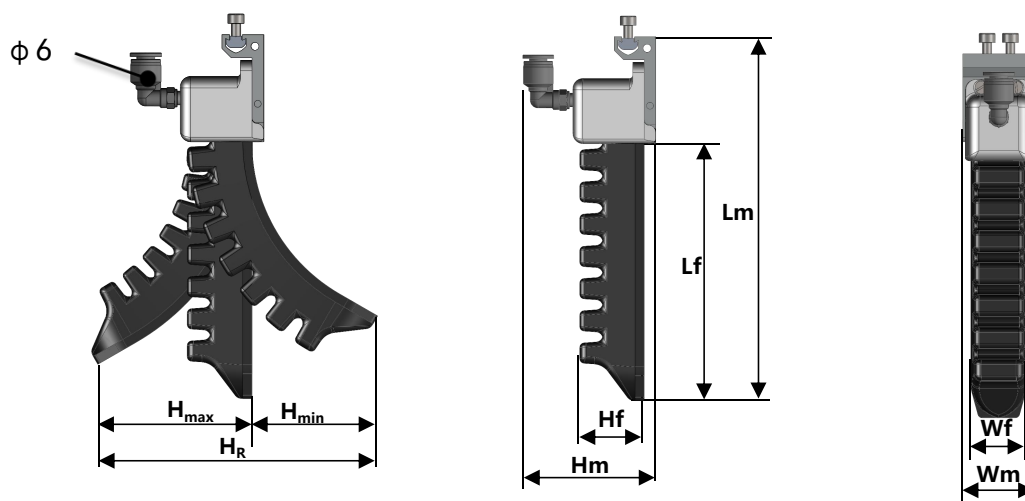
Assembly



Spare Part:

- ① Shell
- ② Plug
- ③ Finger
- ④ Mounting Block

V5 Assembly Module: Series-finger Module



| Finger Size | Finger Module | HR [mm] | Negative Pressure Range * Hmax [mm] | | Positive Pressure Range ** Hmin [mm] | Hm [mm] | Hf [mm] | Lm [mm] | Lf [mm] | Wm [mm] | Wf [mm] | Weight [g] | Safe Pressure [kPa] | |
|-------------|---------------|---------|--|-----------|---|---------|---------|---------|---------|---------|---------|------------|---------------------|-----------|
| | | | Finger Material | | | | | | | | | | Finger Material | |
| | | | [P]/[PAS] | [H]/[HAS] | | | | | | | | | [P]/[PAS] | [H]/[HAS] |

| | | | | | | | | | | | | | | |
|----|---------|------|----|----|------|----|----|-----|-----|----|----|-----|-----|-----|
| A3 | FM-A3V5 | 16.5 | 8 | 7 | 8.5 | 58 | 28 | 88 | 41 | 31 | 24 | 76 | 120 | 300 |
| A4 | FM-A4V5 | 27 | 10 | 12 | 17 | 58 | 28 | 102 | 55 | 31 | 24 | 83 | 120 | 300 |
| A5 | FM-A5V5 | 43.5 | 19 | 16 | 24.5 | 58 | 28 | 116 | 69 | 31 | 24 | 90 | 120 | 300 |
| A6 | FM-A6V5 | 72 | 33 | 22 | 39 | 58 | 28 | 130 | 83 | 31 | 24 | 97 | 120 | 300 |
| A7 | FM-A7V5 | 90 | 39 | 27 | 51 | 58 | 28 | 144 | 97 | 31 | 24 | 104 | 120 | 300 |
| A8 | FM-A8V5 | 109 | 45 | 32 | 64 | 58 | 28 | 158 | 111 | 31 | 24 | 111 | 120 | 300 |

| | | | | | | | | | | | | | | |
|----|---------|----|----|----|----|----|----|-----|------|----|----|----|-----|-----|
| B3 | FM-B3V5 | 19 | 10 | 6 | 9 | 51 | 21 | 71 | 31 | 25 | 18 | 44 | 120 | 260 |
| B4 | FM-B4V5 | 29 | 13 | 10 | 16 | 51 | 21 | 82 | 41.5 | 25 | 18 | 48 | 120 | 260 |
| B5 | FM-B5V5 | 40 | 16 | 14 | 24 | 51 | 21 | 92 | 52 | 25 | 18 | 52 | 120 | 260 |
| B6 | FM-B6V5 | 53 | 23 | 17 | 30 | 51 | 21 | 103 | 62.5 | 25 | 18 | 56 | 120 | 260 |
| B7 | FM-B7V5 | 75 | 30 | 21 | 45 | 51 | 21 | 113 | 73 | 25 | 18 | 60 | 120 | 260 |
| B8 | FM-B8V5 | 98 | 37 | 25 | 61 | 51 | 21 | 124 | 83.5 | 25 | 18 | 64 | 120 | 260 |

| | | | | | | | | | | | | | | |
|----|---------|------|----|----|-----|----|----|----|----|----|----|----|-----|-----|
| C3 | FM-C3V5 | 10.5 | 5 | 1 | 5.5 | 44 | 14 | 53 | 21 | 18 | 12 | 28 | 120 | 220 |
| C4 | FM-C4V5 | 20 | 9 | 3 | 11 | 44 | 14 | 60 | 28 | 18 | 12 | 28 | 120 | 220 |
| C5 | FM-C5V5 | 27 | 12 | 8 | 15 | 44 | 14 | 67 | 35 | 18 | 12 | 29 | 120 | 220 |
| C6 | FM-C6V5 | 42 | 20 | 10 | 22 | 44 | 14 | 74 | 42 | 18 | 12 | 30 | 120 | 220 |
| C7 | FM-C7V5 | 63 | 29 | 13 | 34 | 44 | 14 | 81 | 49 | 18 | 12 | 31 | 120 | 220 |
| C8 | FM-C8V5 | 80 | 38 | 16 | 42 | 44 | 14 | 88 | 56 | 18 | 12 | 32 | 120 | 220 |

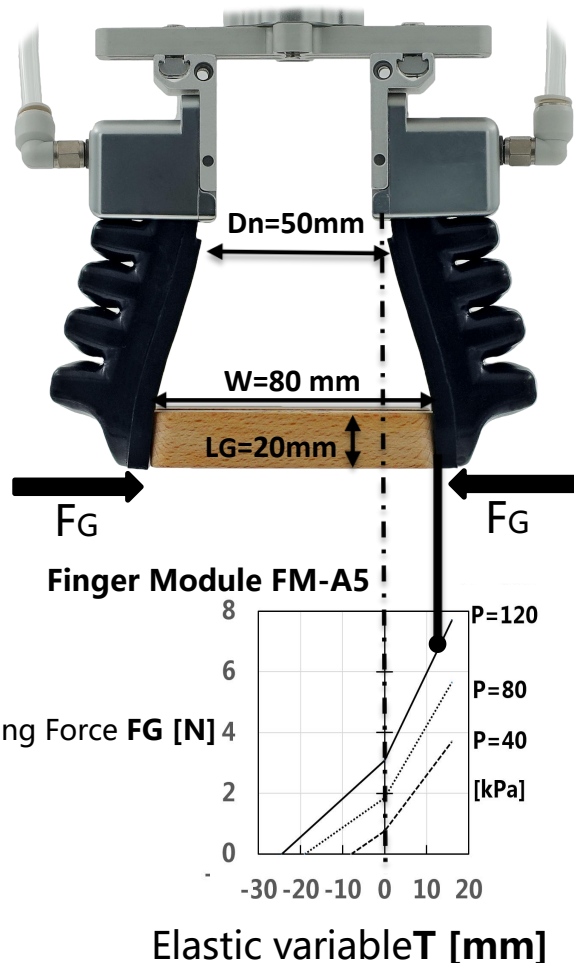
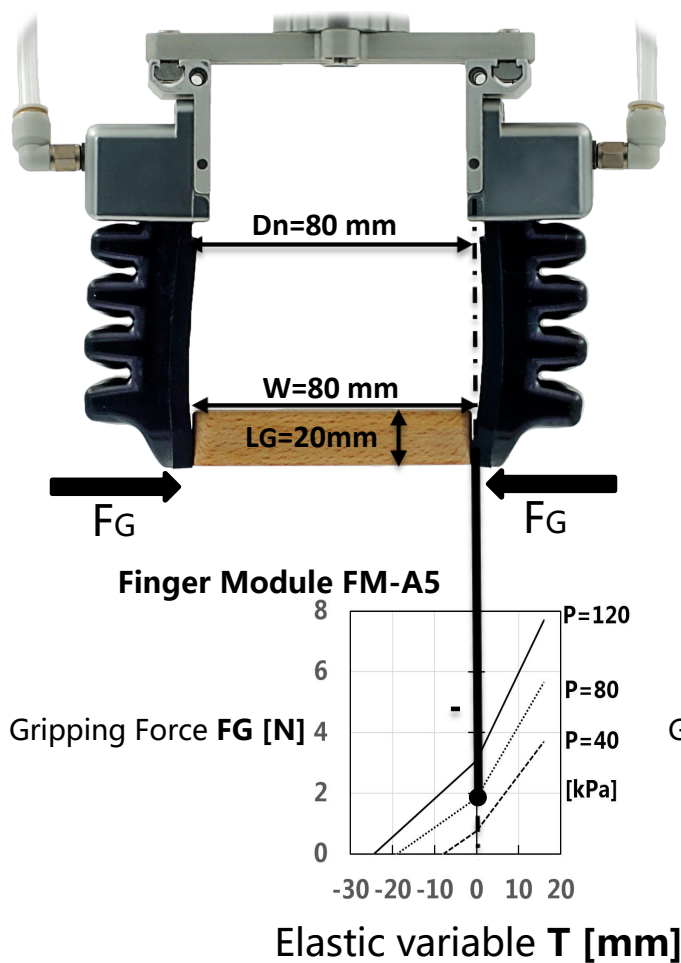
* : Negative Pressure Range H_{max} : Working pressur is -80kPa.

** : Positive Pressure Range H_{min} : For Normal Material Finger[P]/[PAS], working pressure is 100kPa, For Strong Material Finger[H]/[HAS], working pressure is 250kPa.

Characteristic parameter: Adjustment and calculation method of gripping force of finger module

When the finger module is inflated, it bends inward and generates a horizontal gripping force FG when contacting the gripped workpiece. This gripping force is related to the shape of the workpiece, the type of finger, the contact area between the finger and the workpiece, the installation fingertip distance Dn (page. 59), and the working air pressure P .
Take FM-A5 finger module (normal material) as an example to clamp a square workpiece under different working conditions. The width of the workpiece is $W = 80\text{mm}$, and the covering length of the fingertip is $LG = 20\text{mm}$:

| | |
|--|---|
| <p>Working condition 1:</p> <p>Installation fingertip distance $Dn=80$ [mm]</p> <p>Working pressure $P=80$ [kPa]</p> | <p>Working condition 2:</p> <p>Installation fingertip distance $Dn= 50$[mm]</p> <p>Working pressure $P=120$ [kPa]</p> |
|--|---|



| | |
|---|--|
| <p>Elastic variable $T= (W-Dn) /2=0$ [mm]</p> <p>Gripping Force $FG=1.85$ [N]</p> | <p>When the workpiece width $W>$ installation fingertip distance Dn</p> <p>Elastic variable $T= (W-Dn) /2=15$ [mm]</p> <p>Gripping Force $FG=7.3$ [N]</p> |
|---|--|

- 1, Higher working pressure P , higher Gripping force FG .
- 2, Shorter finger distance Dn , higher Gripping force FG .
- 3, Bigger finger size, higher Gripping force FG .
- 4, The strong material finger can hold higher air pressure and has a stronger force than the normal material finger.
- 5, Exceeding the safe working pressure will cause irreversible damage to the soft finger and a shorter lifetime, while shorter Dn may increase the abrasion of the finger bottom.
- 6, More fingers in series (Page. 37,39) can also improve the overall Gripping force.
- 7, Besides the Gripping force FG , the real handling load of the gripper is also related to the shape of the object, friction coefficient, finger bottom print, machine speed, etc.

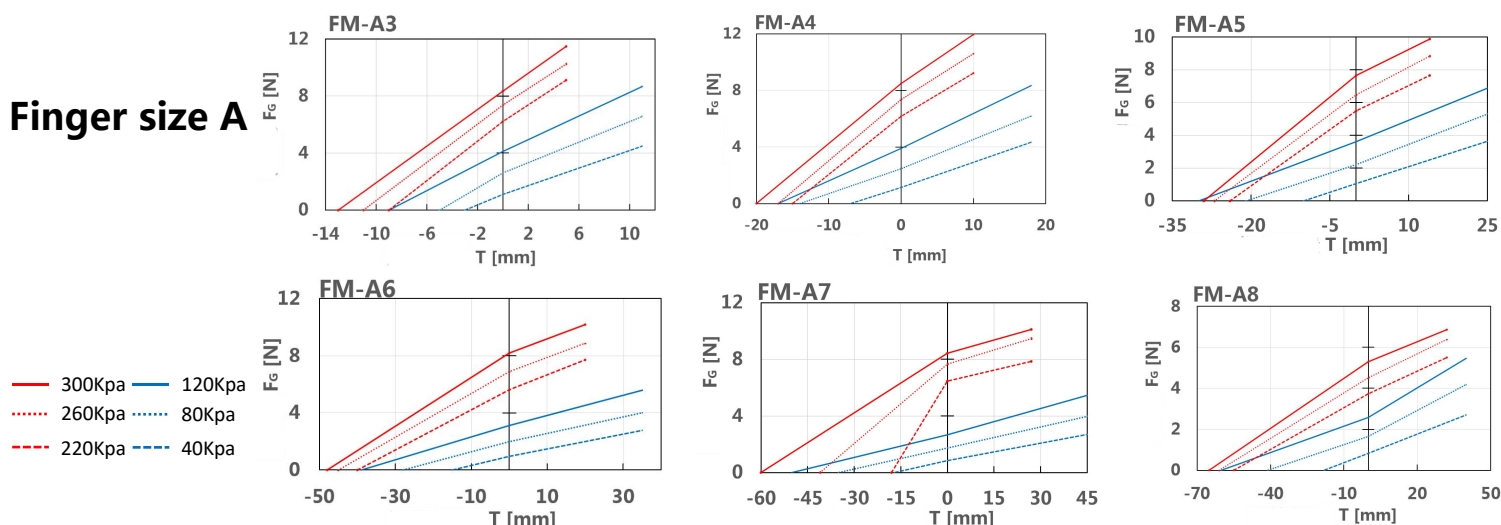
Finger Module Gripping force diagram

The relevant values in the curve are determined under the following conditions:

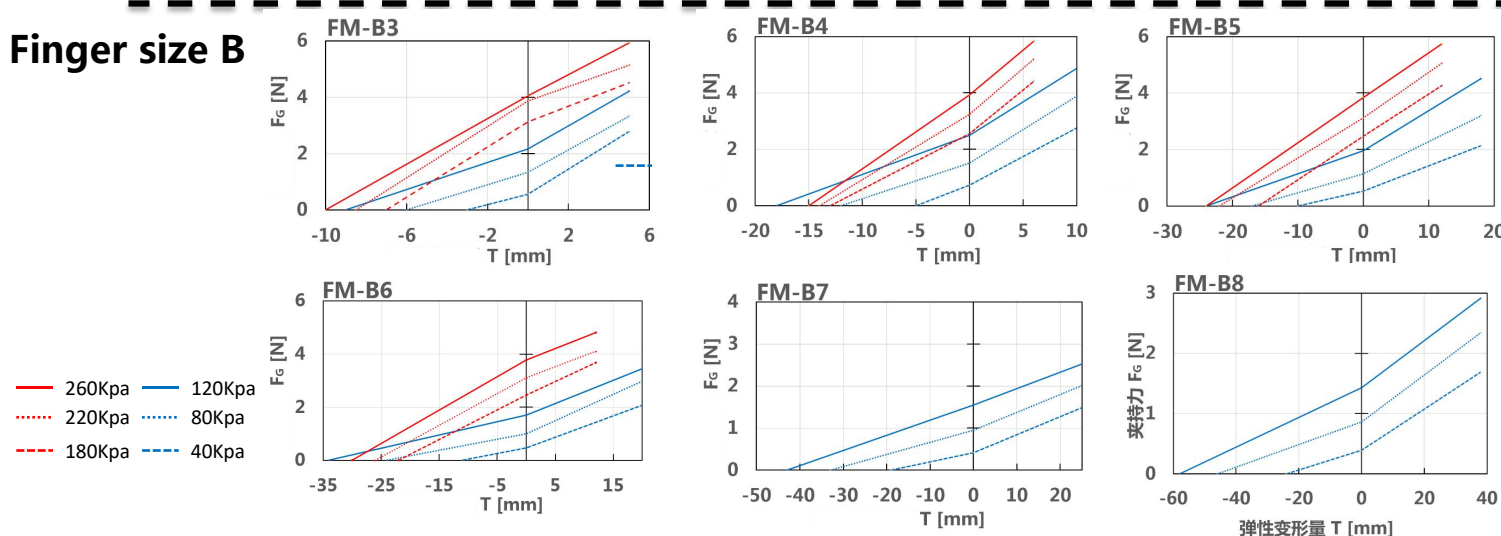
- finger material: normal material, strong material
- use square workpiece, finger pattern LS1, (page. 53)
- only the fingertip part is in contact with the workpiece, and the fingertip covering length $LG = 10\text{mm}$.
- the following data is for reference only. Under other working conditions, the values will be different

FG [N]: Gripping Force
T [mm]: Elastic variable

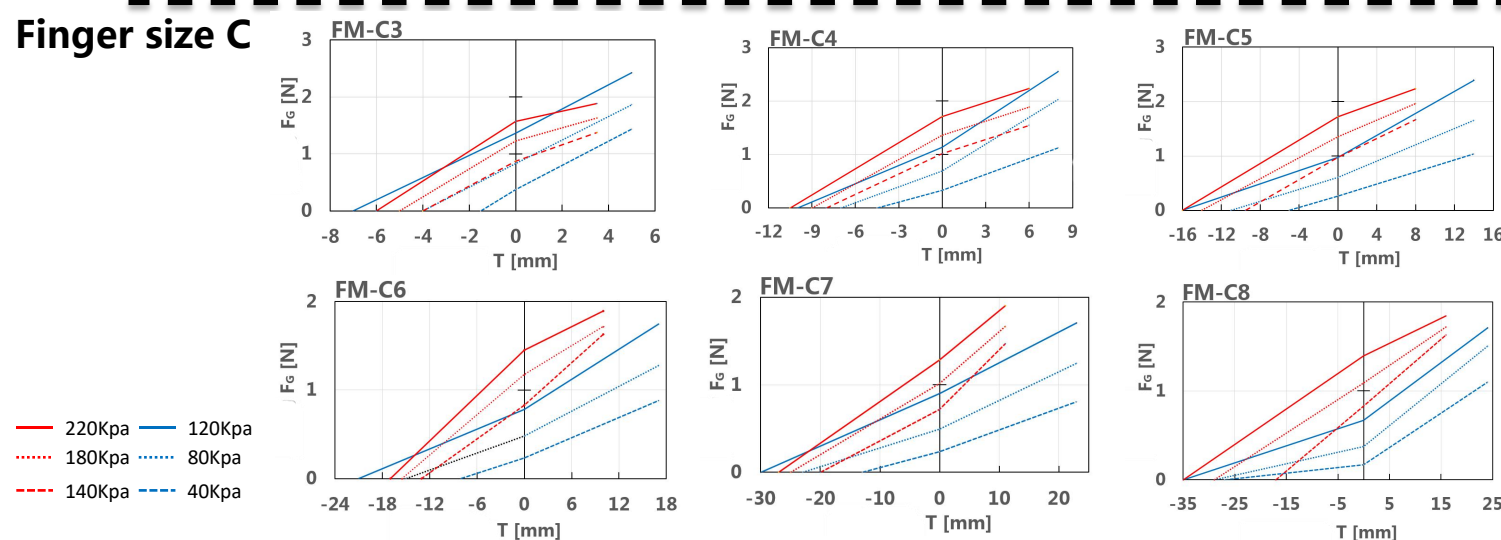
Finger size A



Finger size B



Finger size C



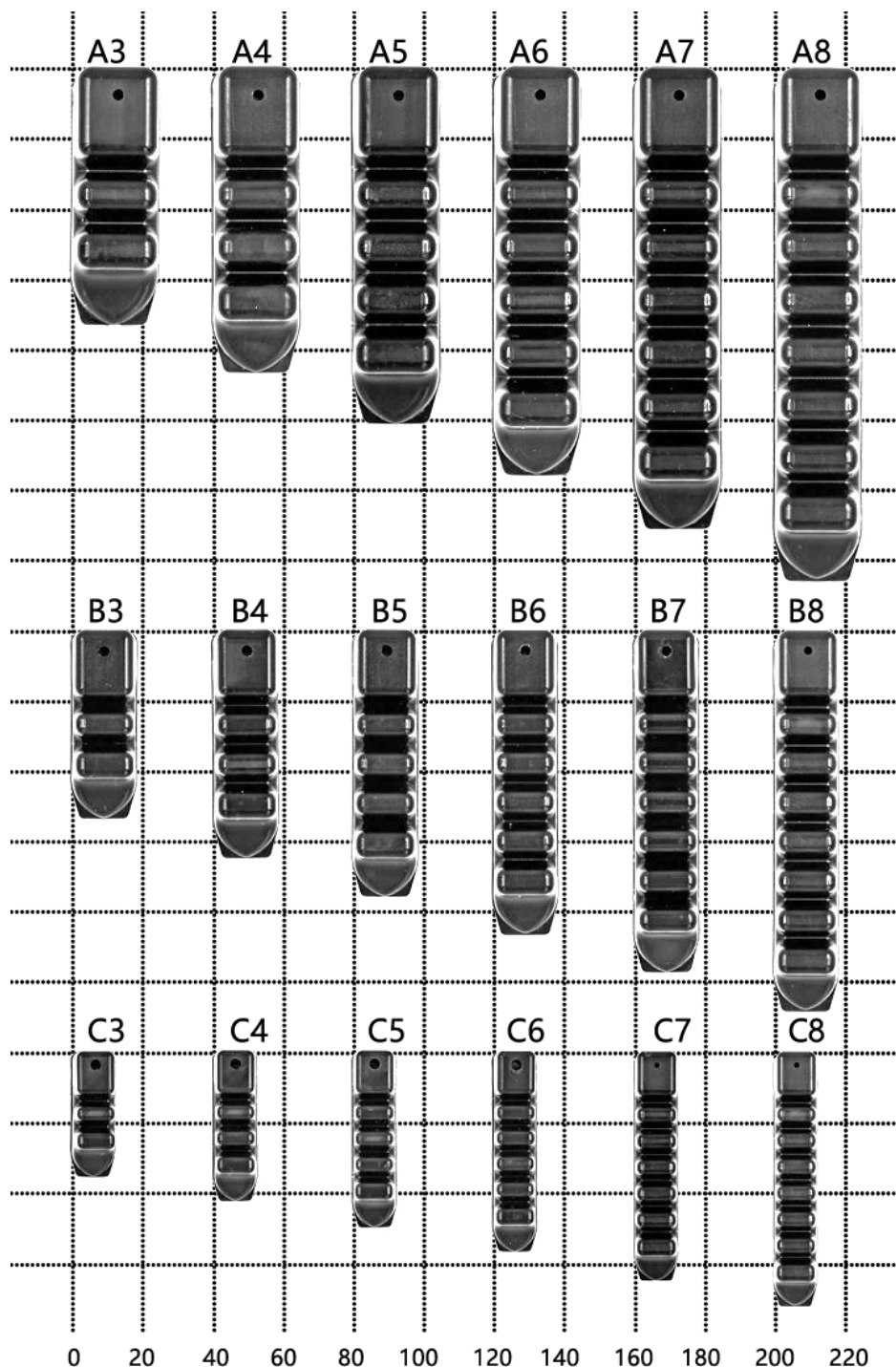
Rochu Finger [F] can be replaced independently.

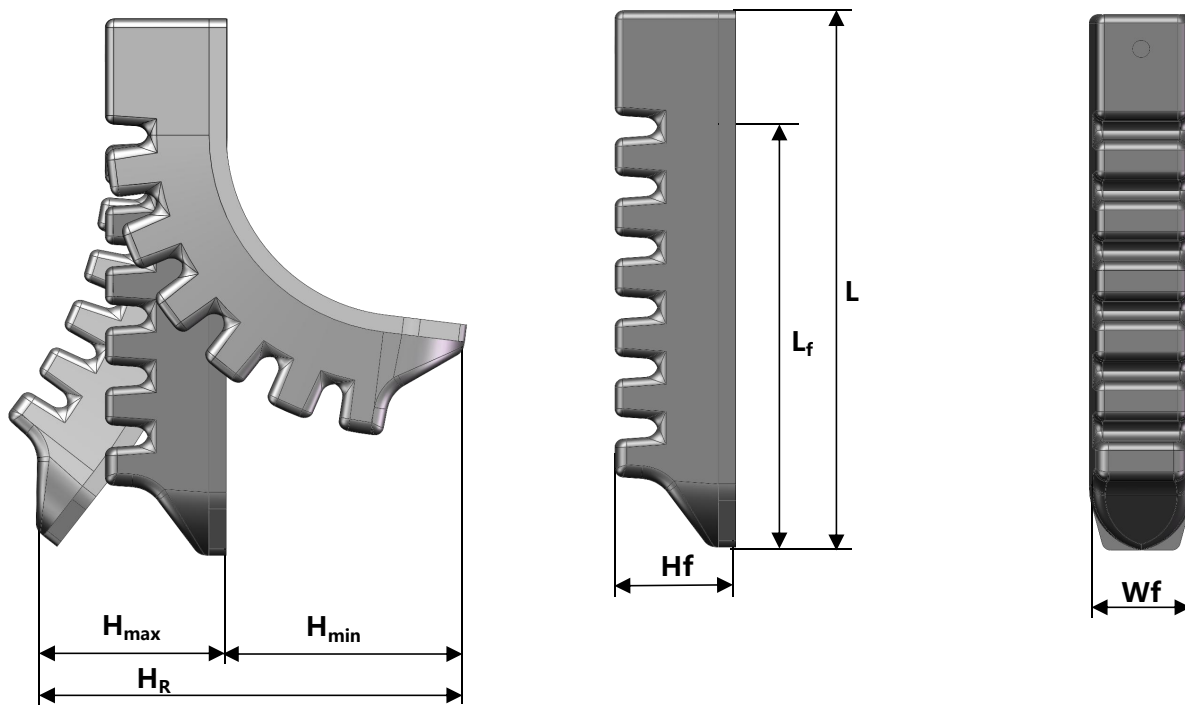
There are 18 finger sizes (A3, A4, A5, A6, A7, A8; B3, B4, B5, B6, B7, B8; C3, C4, C5, C6, C7, C8).

With the same working pressure, the wider fingers have higher gripping force, and the shorter fingers have better positioning accuracy and stability.

For customized finger sizes, please contact our customer service.

Finger Sizes





| Finger Size | HR [mm] | Negative Pressure Range * | | Positive Pressure Range ** | Hf [mm] | Lf [mm] | L [mm] | Wf [mm] | Weight [g] | Safe Pressure [kPa] | |
|-------------|---------|---------------------------|-----------|----------------------------|---------|---------|--------|---------|------------|---------------------|-----------|
| | | Hmax [mm] | | Hmin [mm] | | | | | | Finger Material | |
| | | [P]/[PAS] | [H]/[HAS] | | | | | | | [P]/[PAS] | [H]/[HAS] |

| | | | | | | | | | | | |
|-------------|------|----|----|------|----|-----|-----|----|----|-----|-----|
| F-A3 | 16.5 | 8 | 7 | 8.5 | 28 | 41 | 69 | 24 | 33 | 120 | 300 |
| F-A4 | 27 | 10 | 12 | 17 | 28 | 55 | 83 | 24 | 40 | 120 | 300 |
| F-A5 | 43.5 | 19 | 16 | 24.5 | 28 | 69 | 97 | 24 | 47 | 120 | 300 |
| F-A6 | 72 | 33 | 22 | 39 | 28 | 83 | 111 | 24 | 55 | 120 | 300 |
| F-A7 | 90 | 39 | 27 | 51 | 28 | 97 | 125 | 24 | 62 | 120 | 300 |
| F-A8 | 109 | 45 | 32 | 64 | 28 | 111 | 139 | 24 | 69 | 120 | 300 |

| | | | | | | | | | | | |
|-------------|----|----|----|----|----|----|-----|----|----|-----|-----|
| F-B3 | 19 | 10 | 6 | 9 | 21 | 31 | 52 | 18 | 11 | 120 | 260 |
| F-B4 | 29 | 13 | 10 | 16 | 21 | 42 | 62 | 18 | 16 | 120 | 260 |
| F-B5 | 40 | 16 | 14 | 24 | 21 | 52 | 73 | 18 | 20 | 120 | 260 |
| F-B6 | 53 | 23 | 17 | 30 | 21 | 63 | 83 | 18 | 24 | 120 | 260 |
| F-B7 | 75 | 30 | 21 | 45 | 21 | 73 | 94 | 18 | 28 | 120 | 260 |
| F-B8 | 98 | 37 | 25 | 61 | 21 | 84 | 104 | 18 | 32 | 120 | 260 |

| | | | | | | | | | | | |
|-------------|------|----|----|-----|----|----|----|----|---|-----|-----|
| F-C3 | 10.5 | 5 | 1 | 5.5 | 14 | 21 | 34 | 12 | 4 | 120 | 220 |
| F-C4 | 20 | 9 | 3 | 11 | 14 | 28 | 41 | 12 | 5 | 120 | 220 |
| F-C5 | 27 | 12 | 8 | 15 | 14 | 35 | 48 | 12 | 6 | 120 | 220 |
| F-C6 | 42 | 20 | 10 | 22 | 14 | 42 | 55 | 12 | 7 | 120 | 220 |
| F-C7 | 63 | 29 | 13 | 34 | 14 | 49 | 62 | 12 | 7 | 120 | 220 |
| F-C8 | 80 | 38 | 16 | 42 | 14 | 56 | 69 | 12 | 8 | 120 | 220 |

* : Negative Pressure Range H_{max} :Working pressure is -80kPa.

** : Positive Pressure Range H_{min} : For Normal Material Finger[P]/[PAS], working pressure is 100kPa, For Strong Material Finger[H]/[HAS], working pressure is 250kPa.

CU

控制单元
Control Unit



LCU-S

轻型驱动模块（标准型）
Light Control Unit



LCU-H

轻型驱动模块（高速型）
Light Control Unit



iPCU2

无源驱动器
Integrated Passive Control Unit



ACU2-B

有源驱动器
Active Control Unit



ACU2-H

有源驱动器
Active Control Unit



PCU2

无源驱动器
Passive Control Unit

LCU-S Lightweight Drive Module (Standard Type)

- Compatible with the full series of soft beaks and soft fingers, and can precisely adjust the clamping force in conjunction with a precision pressure regulating valve.
- Small in size, light in weight, with a response speed of 5ms, and can be driven asynchronously in multiple channels.
- Equipped with a flat mounting bracket and filter.



Model table

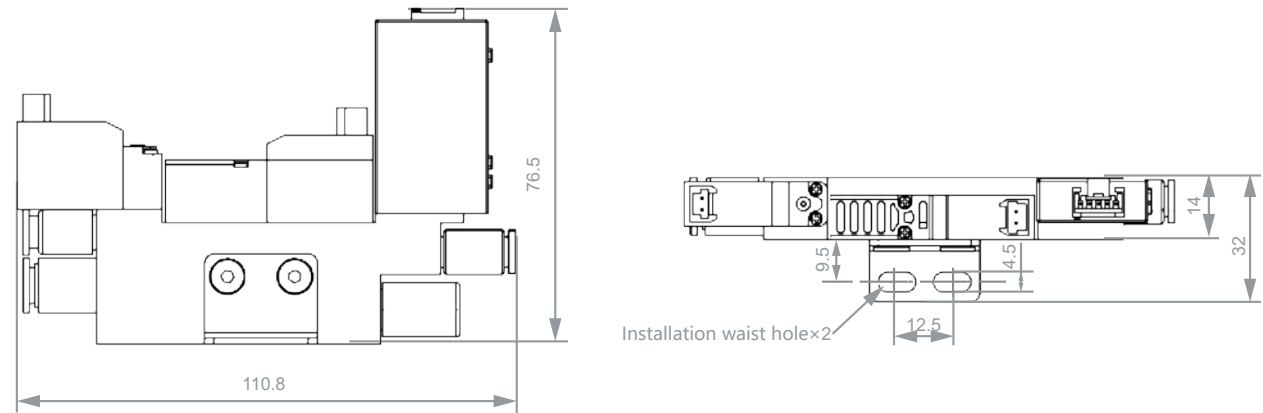
| Model | Air pressure output signal | Noise[dB] | Net Weight[g] | Size[mm] |
|---------|----------------------------|-----------|---------------|---------------|
| LCU-S_A | I/O signal | 80 | 127 | 110.8×14×76.5 |

Working parameters

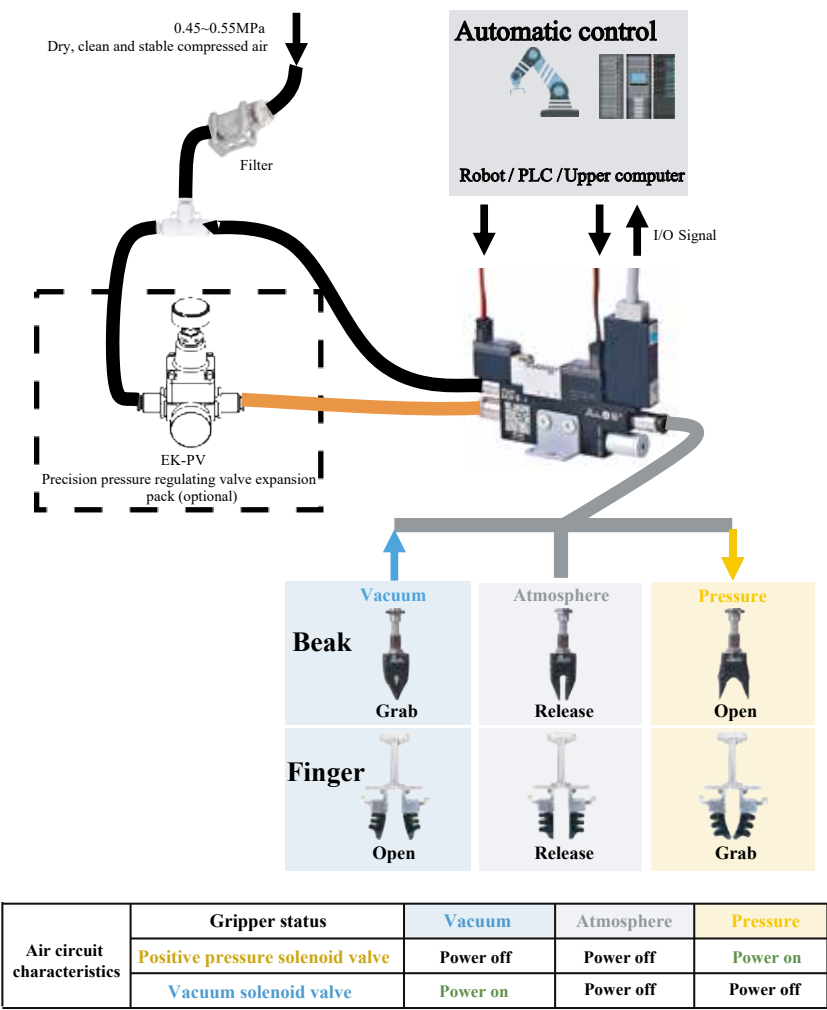
| Item | Range | Item | Range |
|----------------------------------|--|---------------------------------|-------------------------------|
| Output pressure | -90~300kPa | Drive mode | 24V I/O drive |
| Response speed of solenoid valve | 5ms | Lifetime | 2000 million times |
| Pressure flow rate* | 35L/min | Vacuum flow rate* | 30L/min |
| High-pressure air source H input | 0.45 - 0.55 MPa, dry, clean and stable, flow rate > 40 L/min | Low-pressure air source L input | 0~300kPa,dry,clean and stable |

*: The test conditions for this flow parameter are: the pressure at high-pressure gas source port H=0.5 MPa, and the pressure at low-pressure gas source port L=100 kPa.

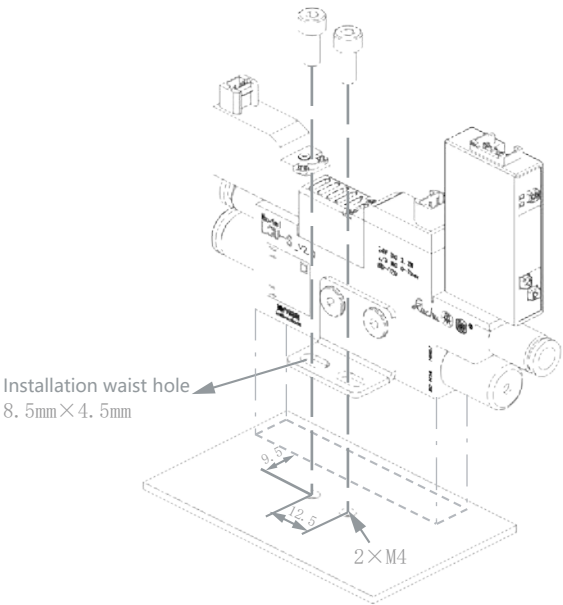
Appearance & Size



Usage method

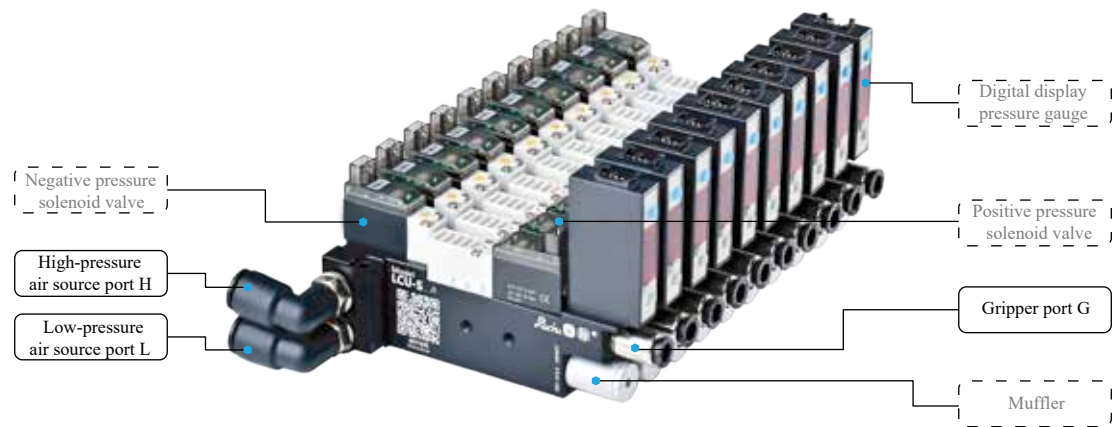


Installation method



LCU-S (2~10) Lightweight drive module (combined type)

- Compatible with the full series of soft claws and soft fingers, and can precisely adjust the clamping force in conjunction with a precision pressure regulating valve.
- Asynchronous drive in multiple channels, with a response speed of 5ms.
- Equipped with a filter.



Model table

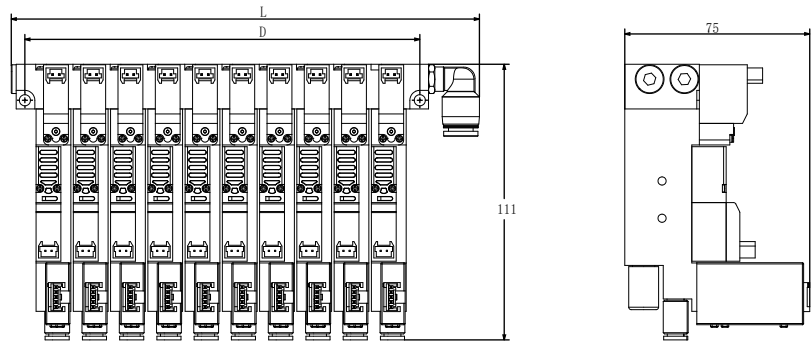
| Model | Quantity of models | D[mm] | L[mm] | Noise[dB] | Air pressure output signal | Pressure flow rate* [L/min] | Vacuum flow rate* [L/min] | High-pressure air source H input flow [L/min] |
|-----------|--------------------|-------|-------|-----------|----------------------------|-----------------------------|---------------------------|---|
| LCU-S2_A | 2 | 39 | 74 | 82.5 | I/O Signal | 70 | 57 | >60 |
| LCU-S3_A | 3 | 54 | 89 | 83 | I/O Signal | 97 | 83 | >85 |
| LCU-S4_A | 4 | 69 | 104 | 84 | I/O Signal | 127 | 105 | >105 |
| LCU-S5_A | 5 | 84 | 119 | 85 | I/O Signal | 154 | 135 | >140 |
| LCU-S6_A | 6 | 99 | 134 | 86.2 | I/O Signal | 175 | 162 | >165 |
| LCU-S7_A | 7 | 114 | 149 | 86.5 | I/O Signal | 192 | 186 | >190 |
| LCU-S8_A | 8 | 129 | 164 | 86.5 | I/O Signal | 205 | 208 | >210 |
| LCU-S9_A | 9 | 144 | 179 | 87 | I/O Signal | 220 | 233 | >235 |
| LCU-S10_A | 10 | 159 | 194 | 89 | I/O Signal | 230 | 252 | >255 |

*: The test conditions for this flow parameter are: the pressure at high-pressure gas source port H=0.54 MPa, and the pressure at low-pressure gas source port L=100 kPa.

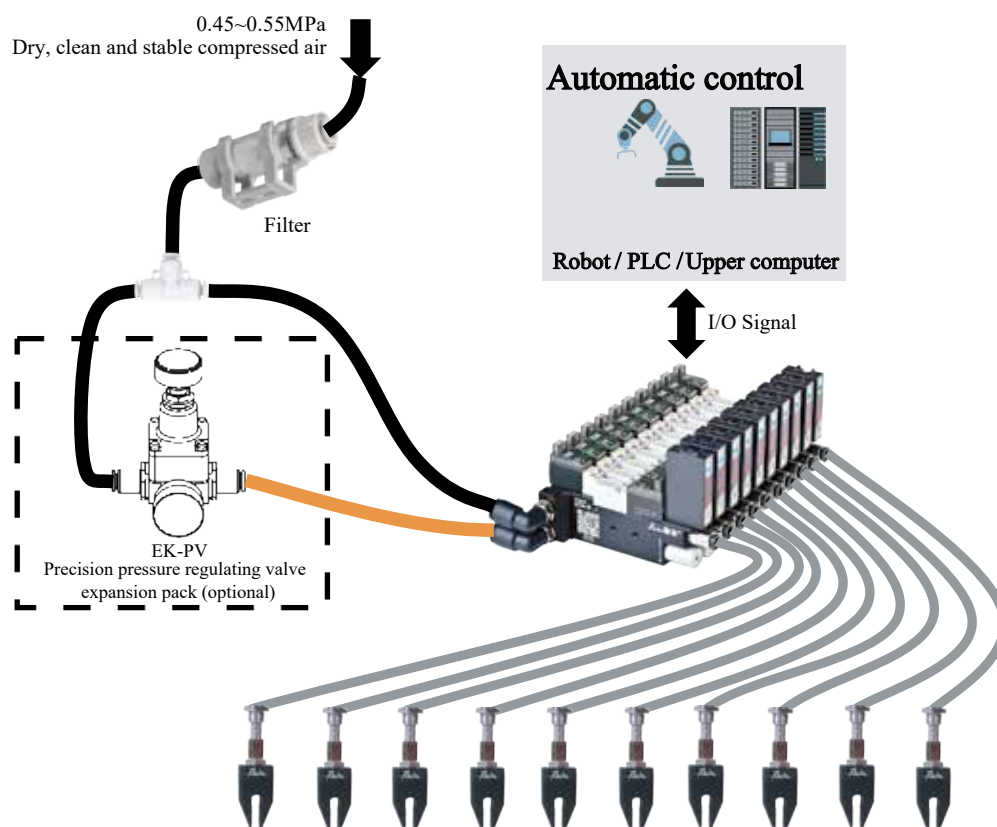
Working parameters

| Item | Range | Item | Range |
|----------------------------------|--|---------------------------------|---------------------------------|
| Output pressure | -90~300kPa | Drive mode | 24V I/O drive |
| Response speed of solenoid valve | 5ms | Lifetime | 2000 million times |
| Response speed of solenoid valve | 0.45 - 0.55 MPa, dry, clean and stable | Low-pressure air source L input | 0~300kPa, dry, clean and stable |

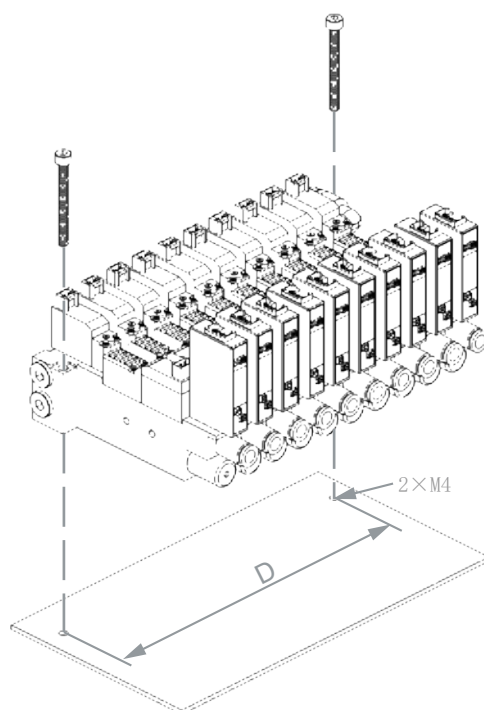
Appearance & Size



Usage method

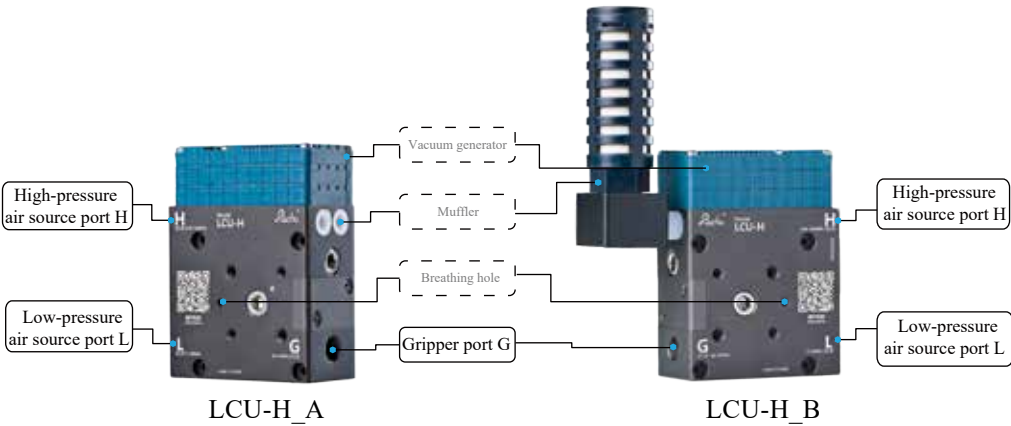


Installation method



LCU-H Lightweight Drive Module (High-Speed Type)

- Output air pressure range of -85~300kPa, suitable for driving the full series of soft claws and soft fingers.
- Cylinder-type pneumatic control method, simple operation and convenient replacement.
- Small in size and light in weight, it can be flexibly combined in multiple channels to form an asynchronous driving mode.
- Equipped with flat and flange mounting holes and industrial rail buckles, with multiple installation methods.



Model table

| Model | Noise [dB] | Net weight[g] | Size[mm] |
|---------|------------|---------------|-------------------|
| LCU-H_A | 92 | 350 | 85 × 63.6 × 31 |
| LCU-H_B | 72 | 380 | 137.3 × 97.9 × 31 |

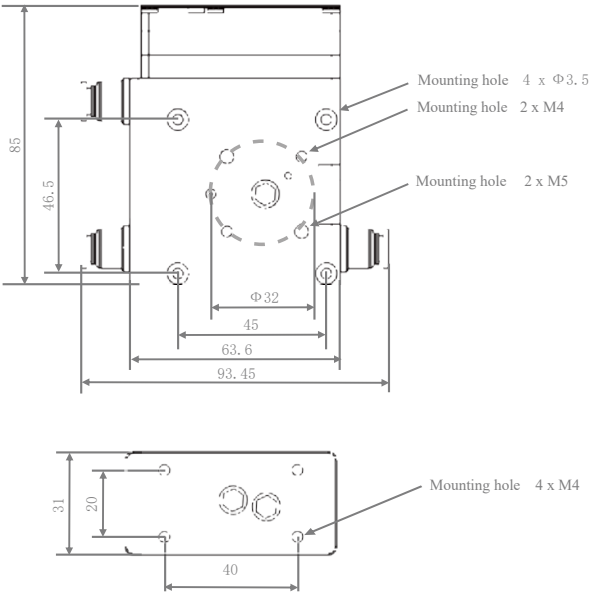
Working parameters

| Item | Range | Item | Range |
|----------------------------------|--|---------------------------------|-------------------------------|
| Output pressure | -85~300kPa | Drive mode | Pneumatic drive |
| Valve body material | Aluminum alloy anodic oxidation | Lifetime | 5000 million times |
| Pressure flow rate* | 165L/min | Vacuum flow rate* | 55L/min |
| High-pressure air source H input | 0.45 - 0.8 MPa, dry, clean and stable, flow rate > 200 L/min | Low-pressure air source L input | 0~300kPa,dry,clean and stable |

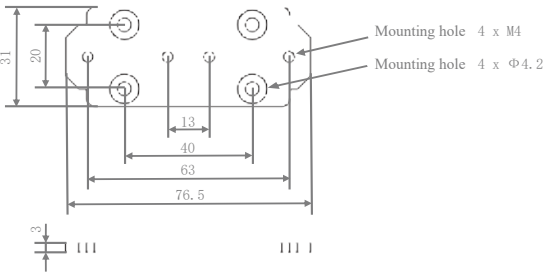
* The test conditions for this flow parameter are: the pressure at the high-pressure gas source port H = 0.6 MPa, and the pressure at the low-pressure gas source port L = 100 kPa.

Appearance & Size

Drive body

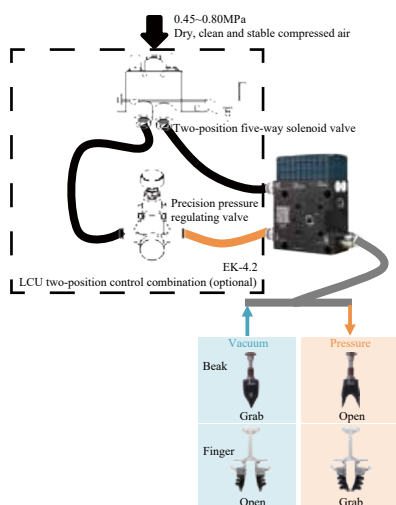


Guide rail buckle adapter plate

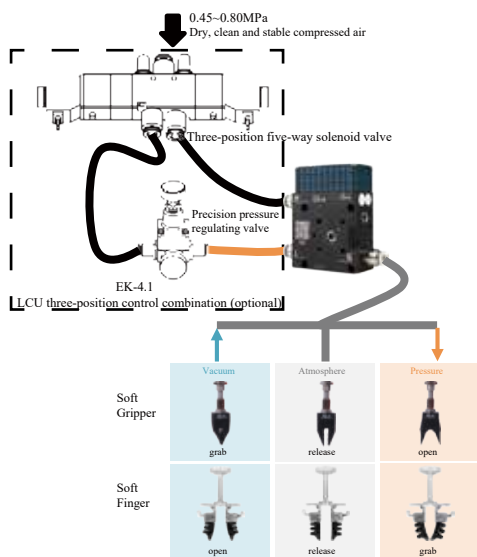


Usage

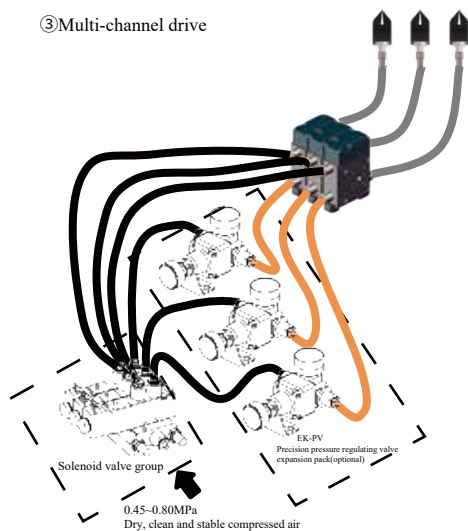
① Two single-channel drives



② Three single-channel drives

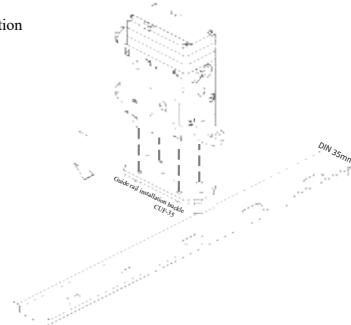


③ Multi-channel drive

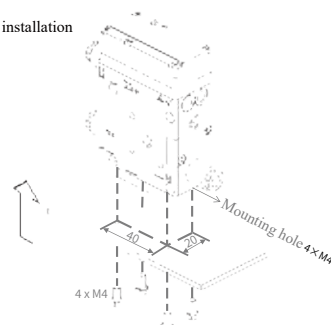


Installation method

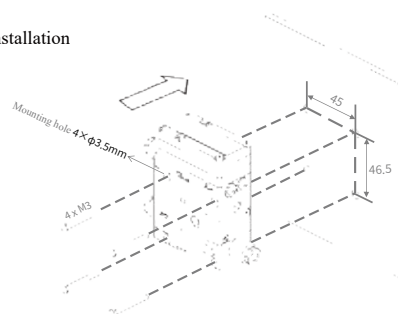
① Guide rail installation



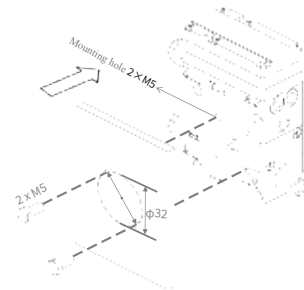
② Bottom surface installation



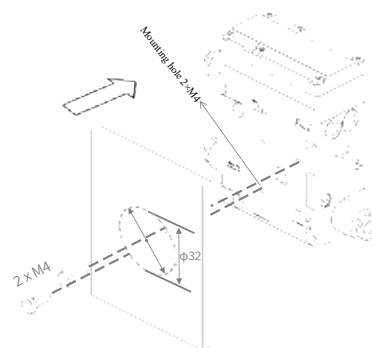
③ Side installation



④ Side installation



⑤ Side installation



iPCU2 Integrated Passive Control Unit

- 90~300kPa three levels can adjust the output pressure range, fully support from soft Beak to soft finger drive.
 - Manual knob type pressure regulating.
 - Integrated panel with digital display and operation buttons.
 - With manual (button) and automatic (I/O level signal) two control modes, with all kinds of mechanical arm, PLC and others.
- Equipped with Installation bracket and industrial rail buckle, a variety of Installation.
 - Intelligent alarm function, safe and stable, no need to worry about misoperation.
 - with European CE safety certification.



Model

| Model | | Adjust Vacuum | Output pressure | Max pressure | Vacuum flow* | Working noise | N.W. |
|-----------|--|---------------|-----------------|--------------|--------------|---------------|-------|
| iPCU2-SMV | Standard vacuum pressure regulating type | Manual | -85 ~ 300[kPa] | -85kPa | 40L/min | 76dB | 2.1kg |
| iPCU2-SMN | Passive driver standard type | Not supported | -90 ~ 300[kPa] | -90kPa | 40L/min] | 75dB | 2.0kg |
| iPCU2-HMV | High-speed vacuum pressure regulating type | Manual | -85 ~ 300[kPa] | -85kPa | 80L/min | 73dB | 2.1kg |
| iPCU2-HMN | Passive driver high-speed type | Not supported | -80 ~ 300[kPa] | -80kPa | 80L/min | 72dB | 2.0kg |

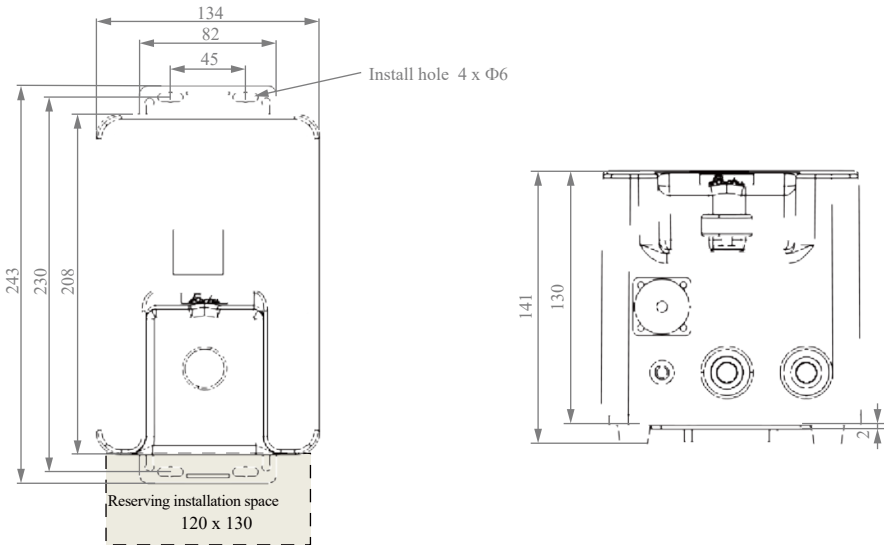
iPCU2 has two options: standard type and high-speed type. The high-speed type has a larger vacuum flow and is suitable for high-speed handling.
*Test conditions for negative pressure flow parameter: pressure at the air source end = 0.6 MPa.

Parameter

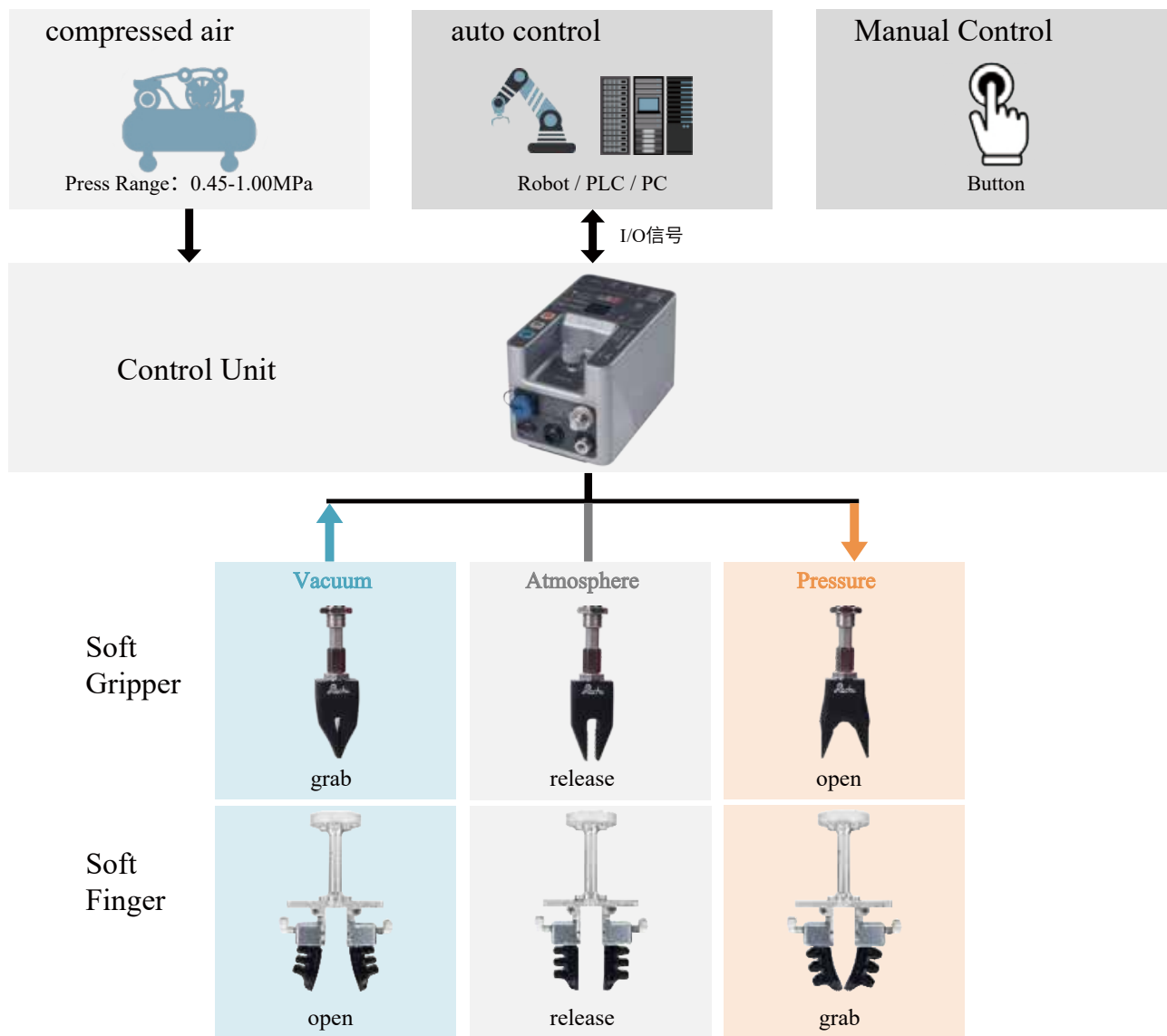
| Item | Range | Item | Range |
|------------------------------|---|------------------|-----------------------|
| Nominal Voltage | 24V± 10% | Frame Material | engineering plastics |
| Rated Power | 12W | Size | 208 × 134 × 141mm |
| Life time | 50 million times | Protection grade | IP54 |
| Positive pressure regulation | Manual | Control mode | 1. Manual button |
| Safe pressure | Adjustable | | 2. I/O, level signal |
| Input air | 0.45~1.00MPa Dry, Clear, Stable flow > 200L/min | Working mode | Continuous drive mode |
| | | Vacuum flow* | 260L/min |

*The flow parameters test conditions: air source port Pressure= 0.6mpa, gripper set Pressure=100kPa

Size

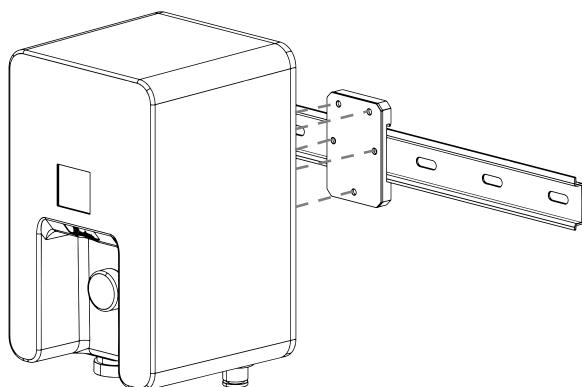


Use-pattern for iPCU2

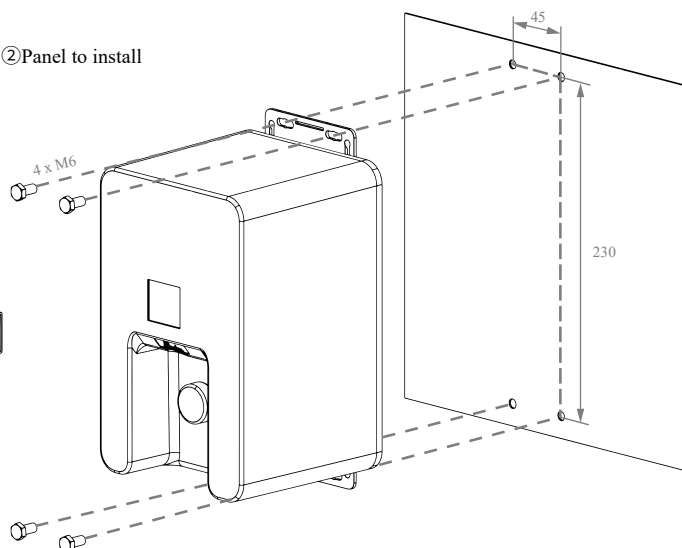


Installation

① Slot to install



② Panel to install



ACU2-B Active Control Unit

Compact rochu active driver

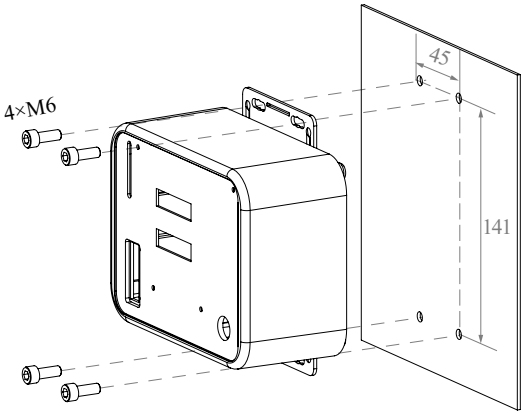
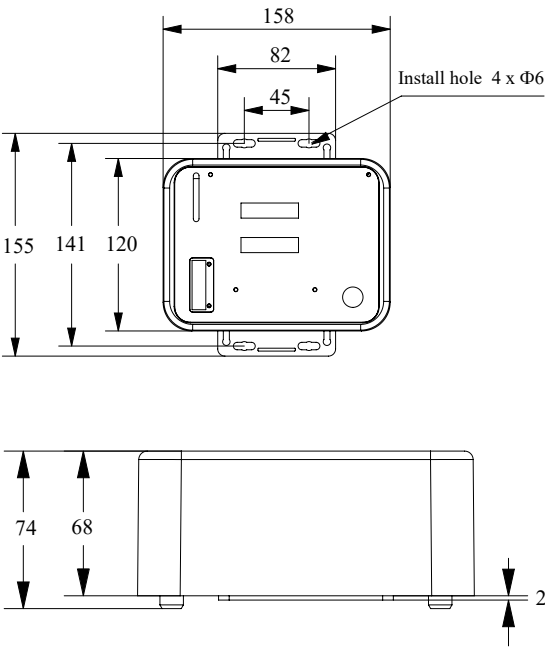
- Built-in air source, small and lightweight.
- Suitable for driving some soft beaks and soft fingers made of conventional materials.
- Six positive pressure levels and four vacuum pressure levels are output. They can be adjusted in real time through panel buttons. The output accuracy is ±10 kPa.

- The integrated panel integrates digital display and operation buttons.
- It has two control modes: manual (button) and automatic (I/O level signal), and is compatible with various robotic arms and PLC terminals.
- The product has passed the EU CE safety certification.

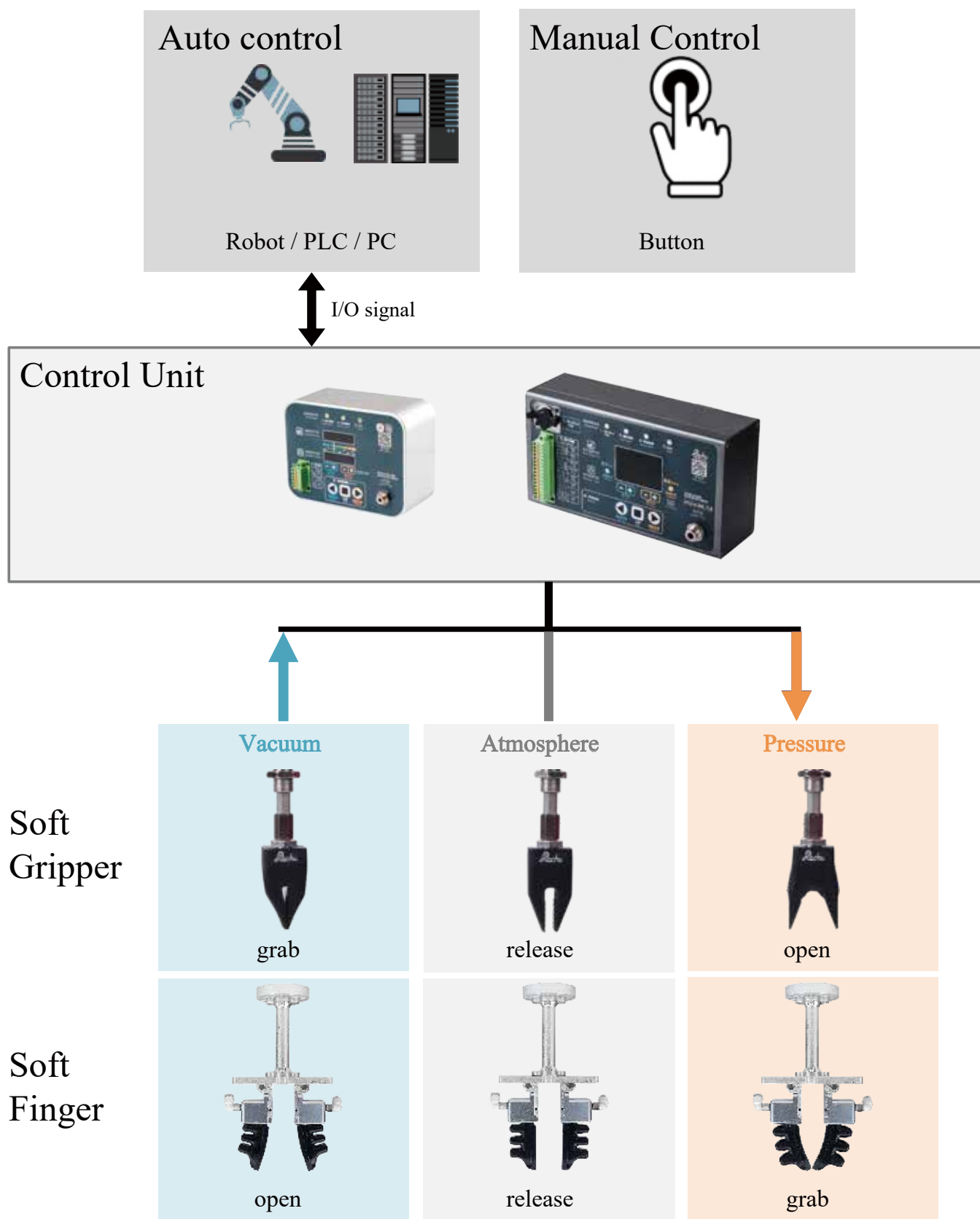


Parameter

| Item | Range | Item | Range |
|-----------------|---|----------------|--|
| Nominal Voltage | 24VDC± 10% | Frame Material | engineering plastics |
| Rated Power | 18W | Size | 158x141x74mm |
| Life time | 50 million times | Net Weight | 870g |
| Output pressure | Ten-level setting -80/-60/-40/-20/0/20/40/60/80/100/120[kPa] | Protect grade | IP54 |
| Output accuracy | ± 3kPa | Mode | 1. Manual button 2. I/O, level signal |
| Pressure Flow | 4L/min | working mode | Continuous signal drive |
| Vacuum Flow | 4L/min | | |
| working noise | 50dB | | |



Use-pattern for ACU2-B & ACU2-H



ACU2-H Active Control Unit

All-in-one flexible active Control Unit.

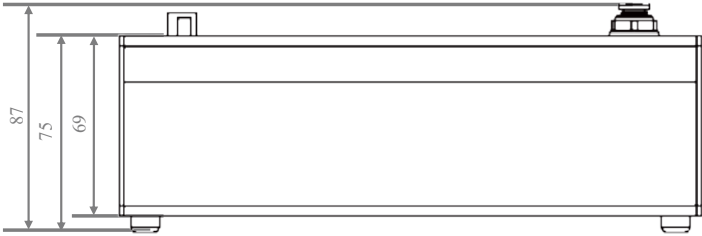
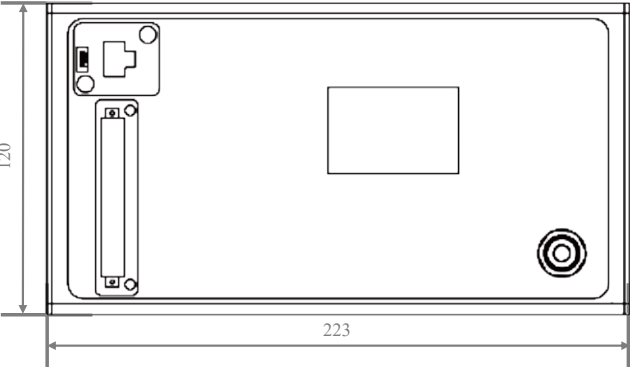
- Built-in air source, full interface.
 - 80~280kPa Output pressure Range, suitable for all series of soft gripper drive.
 - Work Pressure, work Vacuum can be real-time digital Adjust through the panel button, Output accuracy±3kPa.
- Integrated panel with digital display and operation buttons.
 - With manual (button), I/O, analog and MODBUS control modes, suit for all kinds of mechanical arm, PLC terminal.
 - Products through the European CE safety certification.



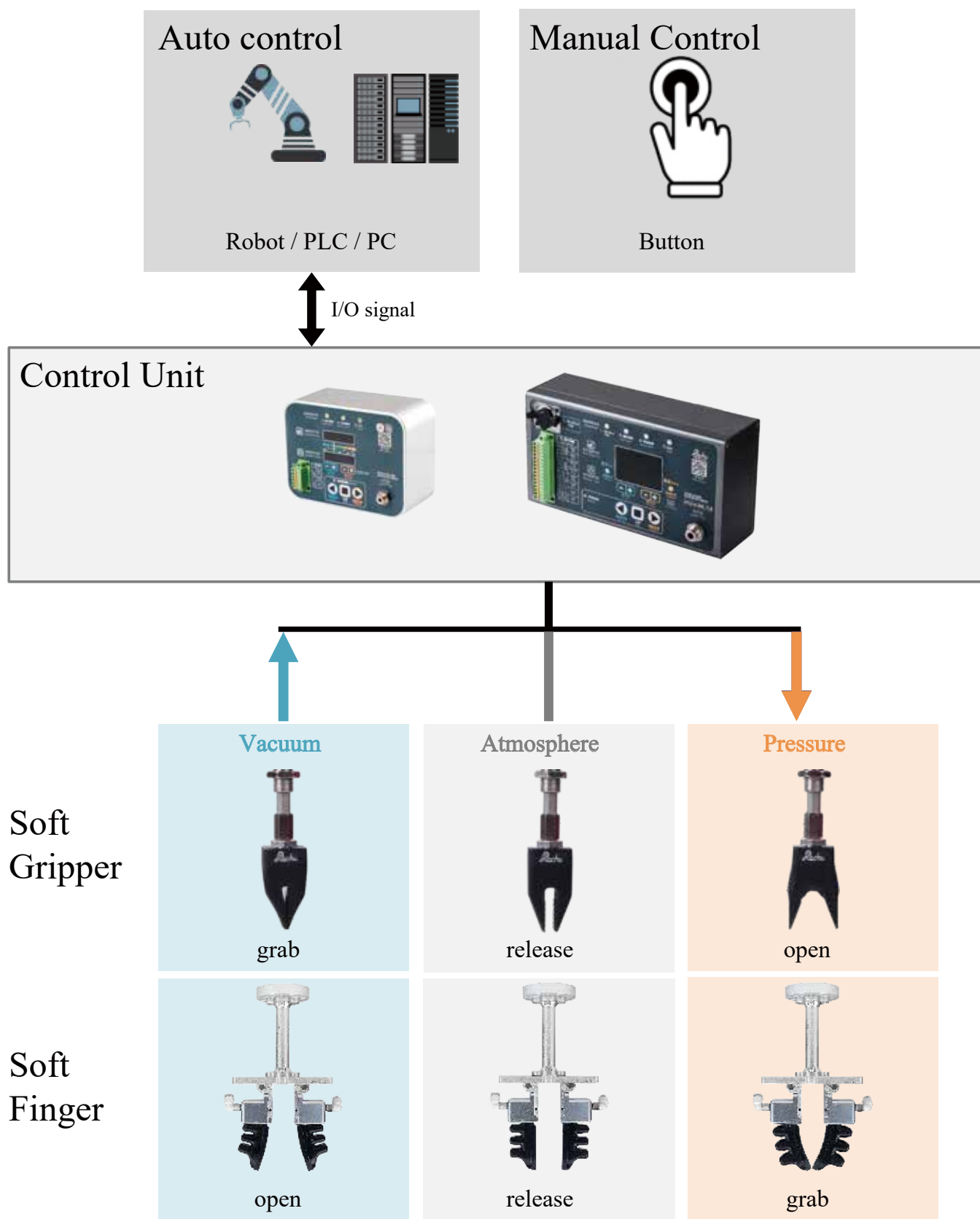
Parameter

| Item | Range | Item | Range |
|-----------------|-------------------------|----------------|---------------------------------------|
| Nominal Voltage | 24VDC± 10% | Frame Material | Anodic oxidation of aluminum alloy |
| Rated Power | 48W | Size | 120x223x75mm |
| Life time | 50 million times | Net Weight | 1.8kg |
| Output pressure | -80~280kPa | Protect grade | IP54 |
| Output accuracy | ± 3kPa | Mode | 1. Manual button |
| PressureFlow | 8L/min | | 2. I/O, level signal |
| VacuumFlow | 8L/min | | 3. Voltage analog regulating pressure |
| working noise | 50dB | | 4. MODBUS TCP/RTU |
| working mode | Continuous signal drive | | |

Size



Use-pattern for ACU2-B & ACU2-H



PCU2-M Passtive Control Unit

Full function controller

- 80~300kPa digital Adjust Output pressure Range, suit for all kinds of Beak & Finger.

·It can precisely adjust the working Pressure or Vacuum, and can choose the manual knob pressure regulating type PCU2-M or the electronic analog pressure regulating type PCU2-V.
- It has various control modes of manual (button), I/O and MODBUS, and is compatible with various mechanical arms and PLC terminals.

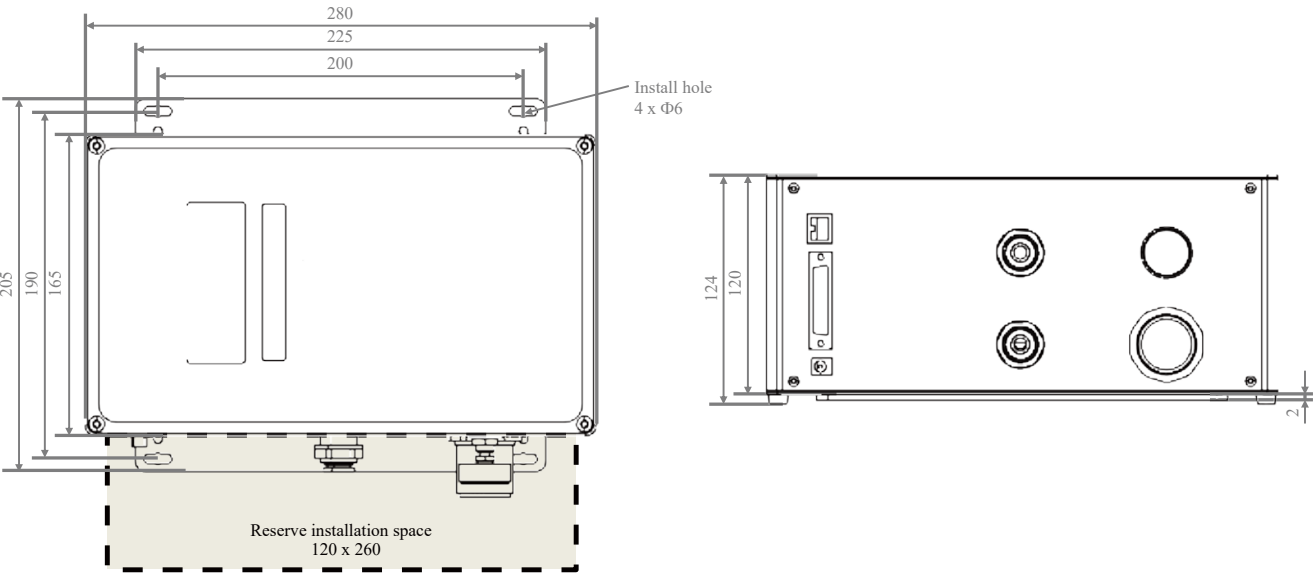
·With an intelligent output alarm signal, it is safe, and there is no need to worry about misoperation.



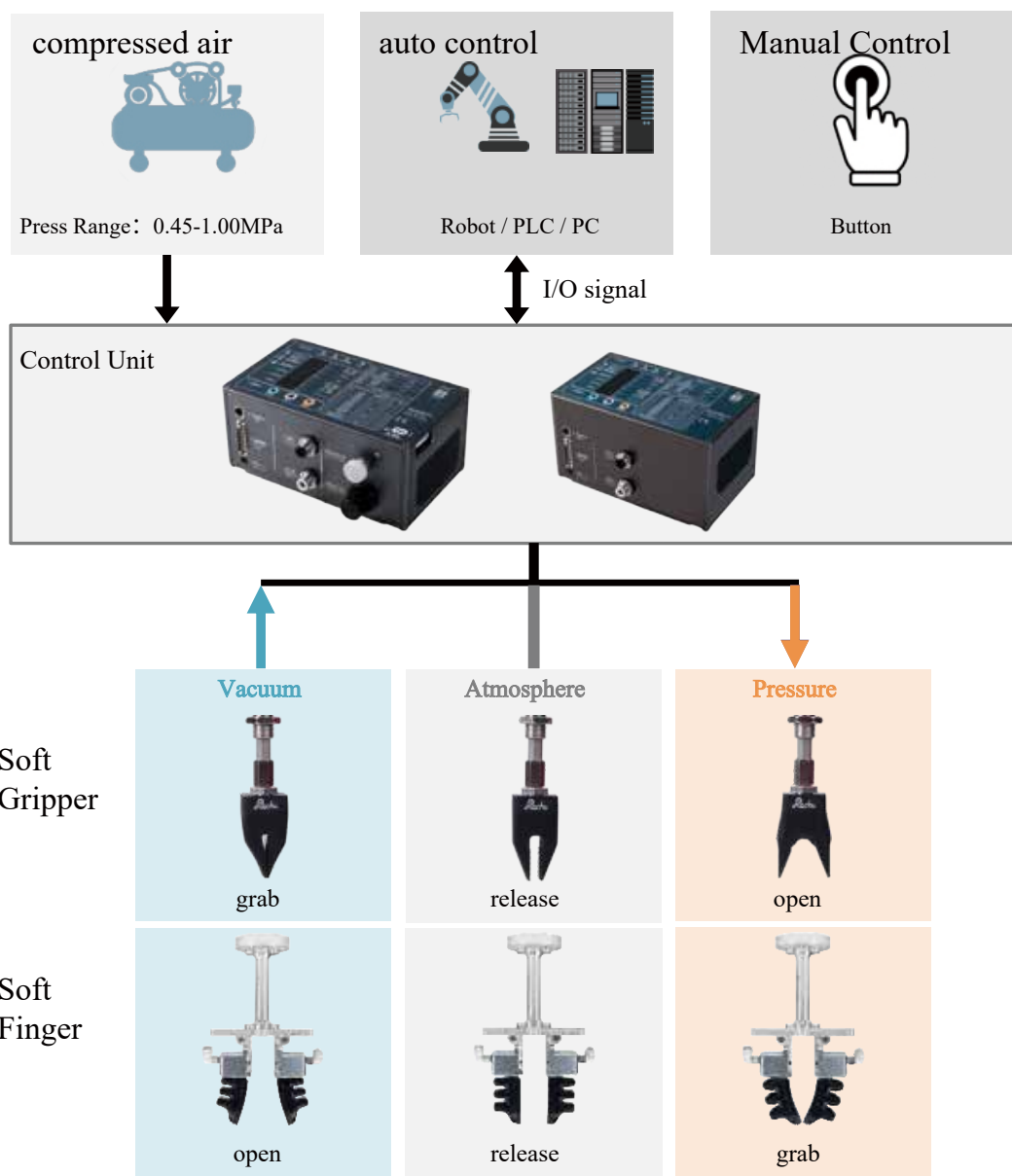
Parameter

| Item | Range | Item | Range |
|------------------------------|---|-------------------------|---|
| Nominal Voltage | 24VDC ±10% | Frame Material | Anodic oxidation of aluminum alloy |
| Rated Power | 24W | Net Weight | 3.85kg |
| Life time | 50 million times | Protect grade | IP54 |
| input air | 0.45~1.00MPa dry, clean, stable Flow>200L/min | Mode | 1. Manual button 2. I/O, level signal 3. remote (PCU2-M) 4. Modbus TCP/RTU |
| Output pressure | -80~300kPa | working mode | Continuous signal drive |
| Pressure Flow | 260L/min | working noise | 50db |
| Vacuum Flow | 80L/min | Size | 165x280x124mm |
| Positive pressure regulation | Manual | Wireless remote control | Support |
| Negative pressure regulation | Manual | Attitude feedback | Support |
| Safe pressure | Adjustable | | |

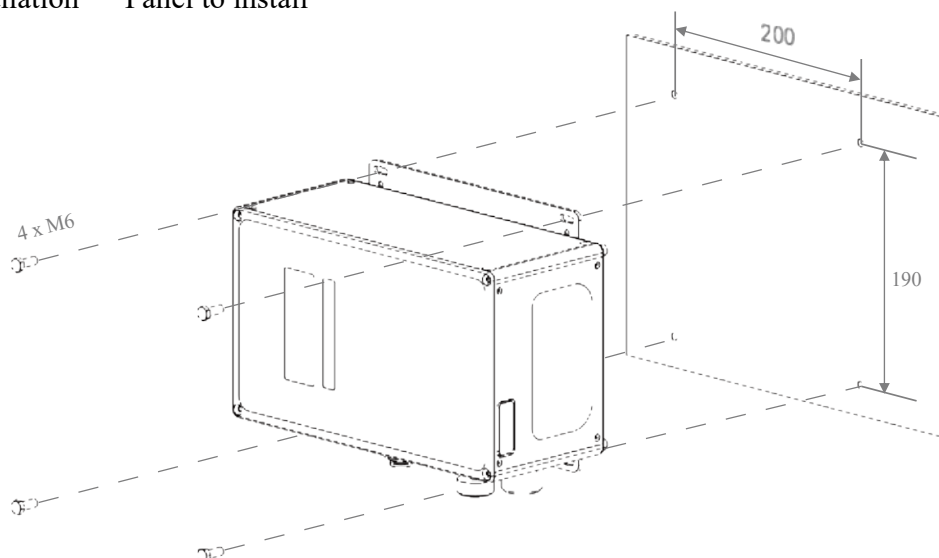
Size



Use-pattern for PCU2



PCU2 Installation Panel to install



PCU2-V Passtive Control Unit

Full function controller

- 80~300kPa digital Adjust Output pressure Range, suit for all kinds of Beak & Finger.

·It can precisely adjust the working Pressure or Vacuum, and can choose the manual knob pressure regulating type PCU2-M or the electronic analog pressure regulating type PCU2-V.
- It has various control modes of manual (button), I/O and MODBUS, and is compatible with various mechanical arms and PLC terminals.

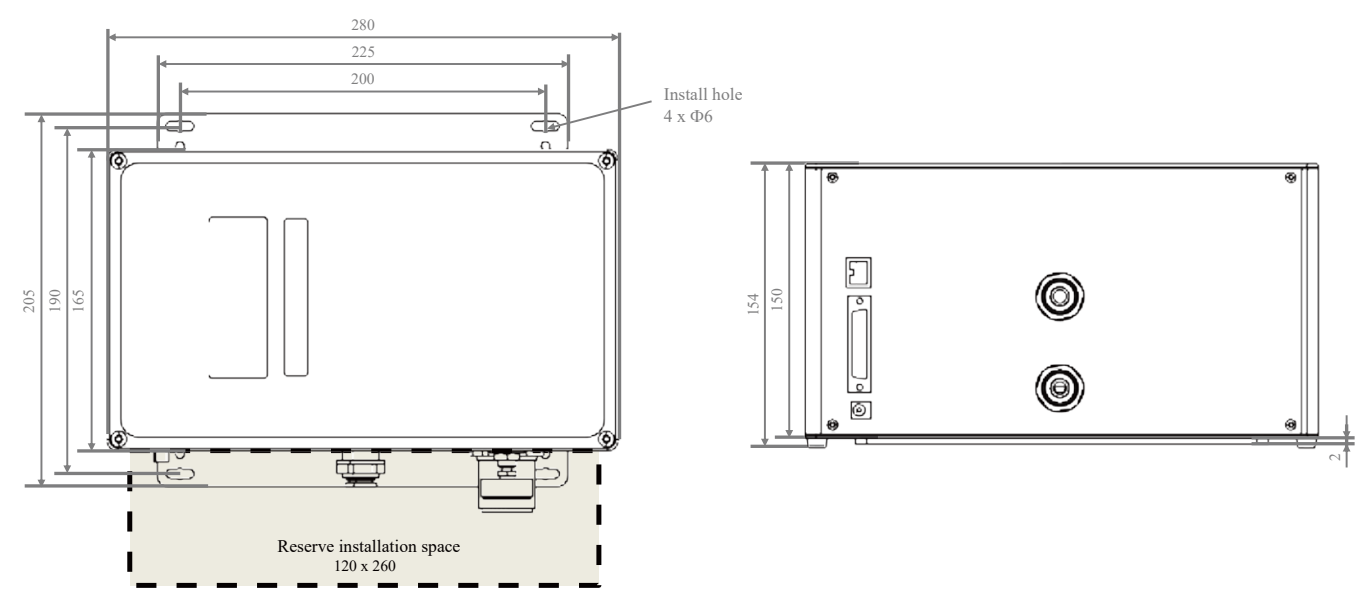
·With an intelligent output alarm signal, it is safe, and there is no need to worry about misoperation.



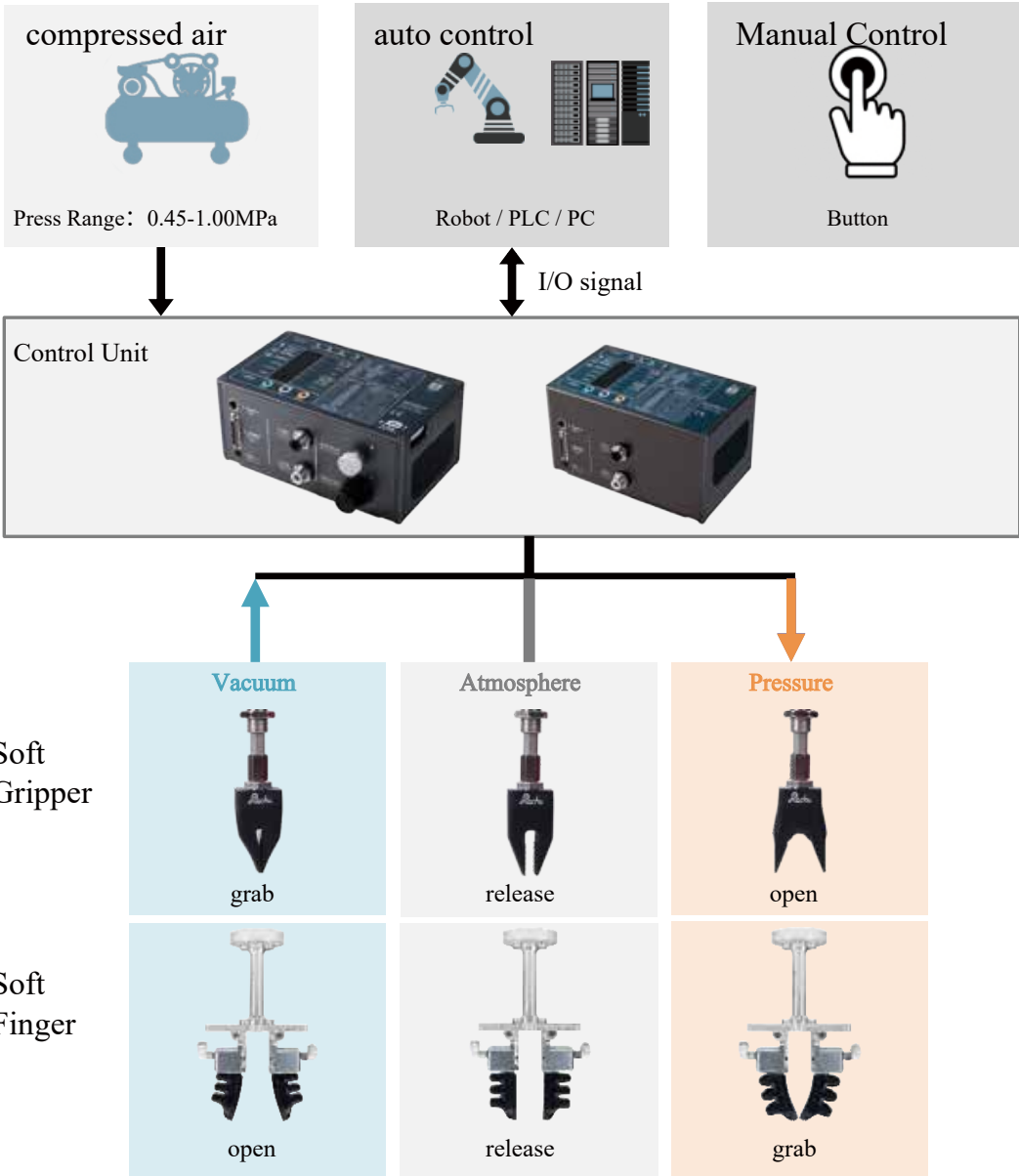
Parameter

| Item | Range | Item | Range |
|------------------------------|---|-------------------------|------------------------------------|
| Nominal Voltage | 24VDC ±10% | Frame Material | Anodic oxidation of aluminum alloy |
| Rated Power | 24W | Net Weight | 4.4kg |
| Life time | 50 million times | Protect grade | IP54 |
| input air | 0.45~1.00MPa dry,clean,stable Flow>200L/min | Mode | 1. Manual button |
| Output pressure | -80~300kPa | | 2. I/O, level signal |
| Pressure Flow | 260L/min | | 3. Modbus TCP/RTU |
| Vacuum Flow | 80L/min | working mode | Continuous signal drive |
| Positive pressure regulation | Electronic | working noise | 50dB |
| Negative pressure regulation | Electronic | Size | 165x280x124mm |
| Safe pressure | Adjustable | Wireless remote control | Not supported |
| | | Attitude feedback | Support |

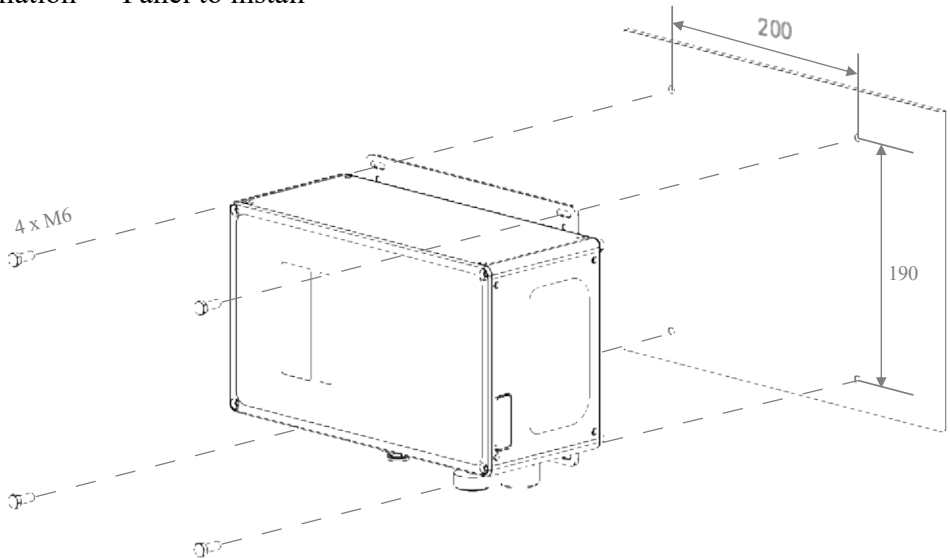
Size



Use-pattern for PCU2



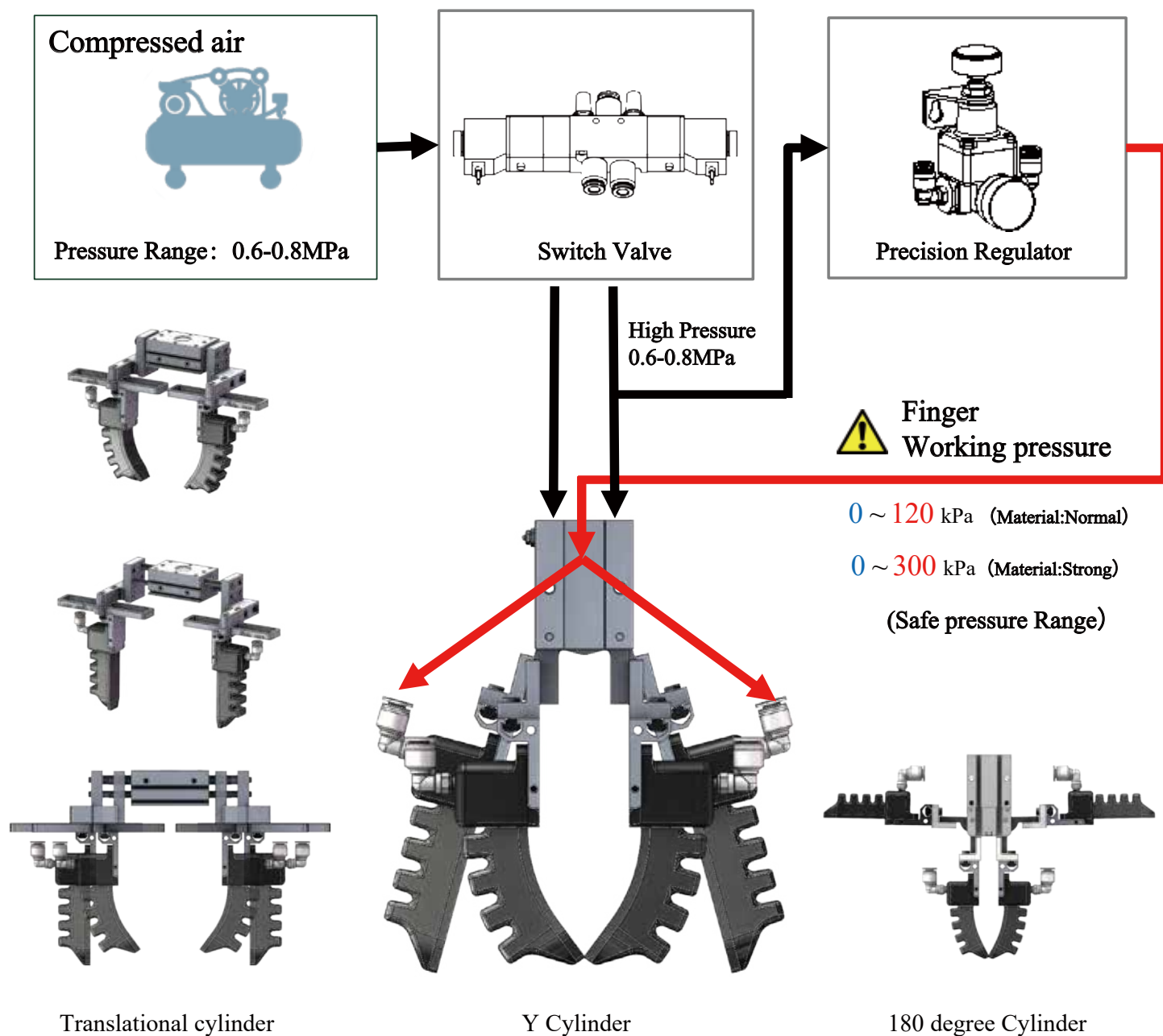
PCU2 Installation Panel to install



Combined driving mode

Controlling of Cylinder & Finger module combination

- The combination of cylinder and finger module is a specific combination of the basic control mode
- It has the advantages of large clamping force of traditional clamping cylinder and soft and self-adaptive of flexible fingers, and the clamping force can reach up to 70N
- Independent solenoid valve control, simple structure, small size, low deployment cost.
- Grasp a wider range, can be combined with various brands of cylinder, Y cylinder, 180 degree cylinder



The air pressure must be strictly controlled within the Safe limit. Overloading may cause irreversible damage to the product.

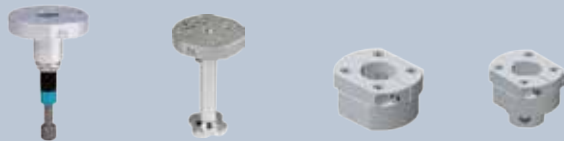
AF

Assembling Fittings



QCM

Quick changer Module



FCM

Flange Connection Module



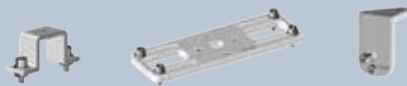
RF

Robot flange



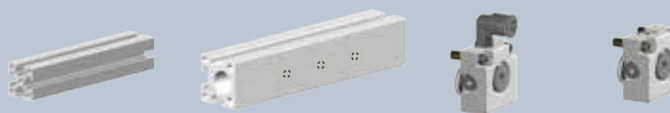
SMP

Slide Mounting Plate



CP

Connector Part



P

Profile



CM

Connection Module



SE

Sensor



PN

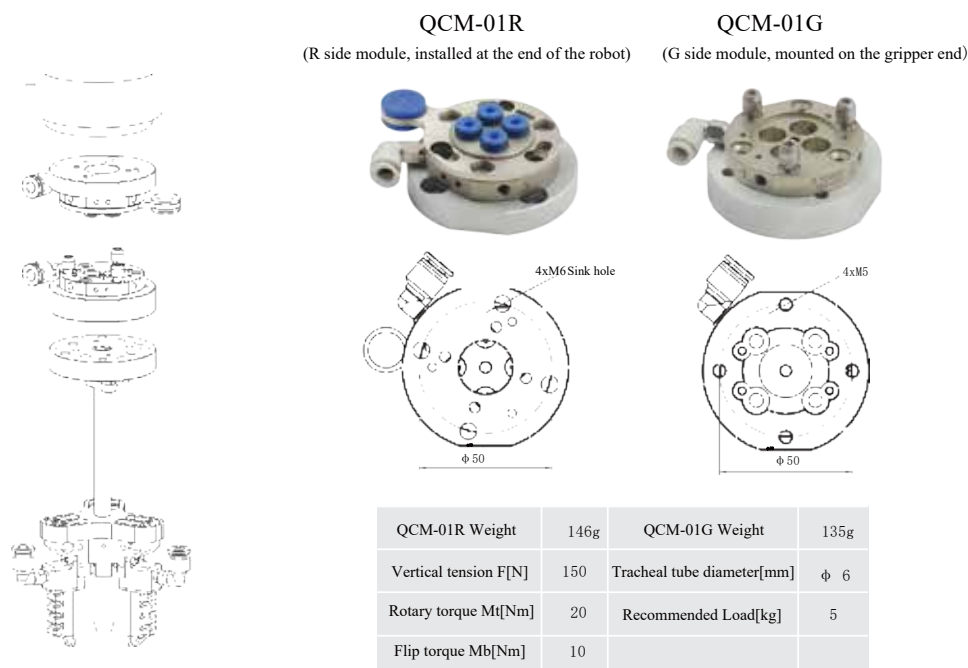
Pneumatic Fittings

Quick changer Module

Quick-change Module [QCM] is used for automatic and quick replacement of grippers. The Quick-change Module [QCM] is installed between the Flange Connection Module [FCM] and the end of the robot arm, and is divided into the robot side (R side) and the gripper side (G side).

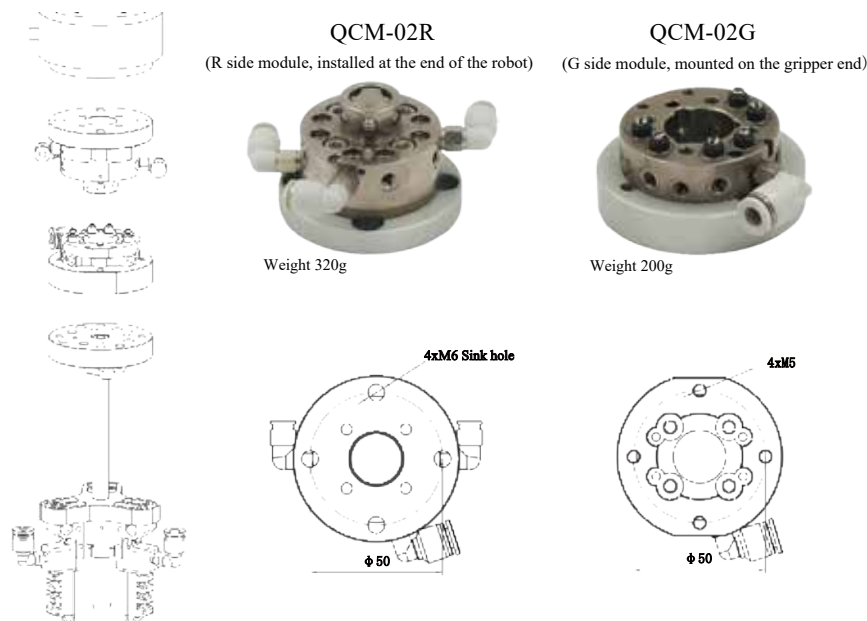
QCM-01 Manual quick change module

- Conform to ISO 9409-1:2004 (i.e. GB/T14468.1:2006)
- Manual locking/unlocking
- Recommended Load 5kg, Vertical tension



QCM-02 Pneumatic Quick-change Module

- Conform to ISO 9409-1:2004 (i.e. GB / T 14468.1:2006)
- Pneumatic control, air-out self-locking protection
- Recommended Load 5kg



Installation/control mode



- Quick change is controlled by pneumatic valve
- The air pipe connector on the R side is connected to the Rocho drive, and the G side is connected to the gripper.
- When installing the R-side flange module, the flange plate should be installed on the robotic arm first, and then the quick change should be connected to the flange plate.

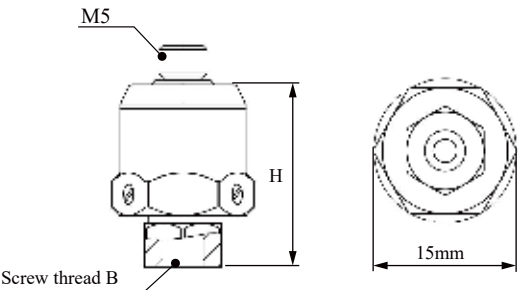
Quick change engagement control connector: M5 + φ6 air pipe



QC-15 Soft beak plug-in quick change

- Paired mounting modules for connecting the grippers, including manipulator side modules and gripper side modules, which can be locked, rotated or quickly replaced.
- Rotation Angle: gently and easily open the locking screw, rotate the soft claw to the appropriate working Angle, after locking the screw, the soft claw is fixed, and the coaxial degree is less than 0.15mm.
- Quick-change Function: completely loosen the locking screw, can pull out the side module of the soft claw, to achieve quick replacement of the soft claw.

| | QC-15W5N5 | QC-15W5W5 | QC-15W5N18 | QC-15W5W18 |
|--------------------------|--|--|--|---|
| Manipulator side module |  QC-15W5R |  QC-15W5R |  QC-15W5R |  QC-15W5R |
| Soft Gripper side module |  QC-15N5G |  QC-15W5G |  QC-15N18G |  QC-15W18G |



| Model | Screw thred B | H | Weight |
|------------|---------------------|--------|--------|
| QC-15W5N5 | M5 inner teeth | 18.8mm | 12.53g |
| QC-15W5W5 | M5 external teeth | 18.8mm | 13.25g |
| QC-15W5N18 | G1/8 inner teeth | 23.3mm | 17.75g |
| QC-15W5W18 | G1/8 external teeth | 18.8mm | 17.41g |

Installation

Rotation Angle

Quick- change Function

Rigid Connection Installation

Buffer Installation

Matrix Installation

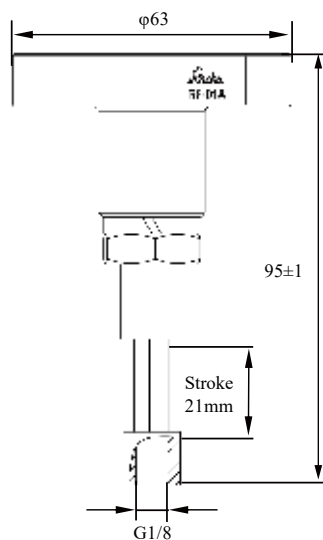
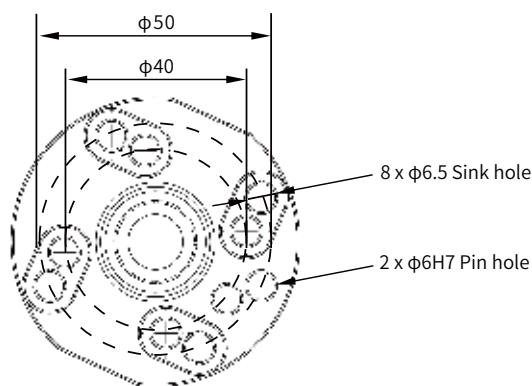
The flange connection module (FCM) is a connecting piece between the end of the robotic arm and the slide mounting plate (SMP). It can be used in conjunction with the quick change module (QCM) and is divided into spring rod type (S) and fixed rod type (R).

FCM-S01 Sping rod flange connection module

- Meet ISO 9409-1:2004 robot flange standard. Suitable for most robot flanges
- Used for installing the soft beak module [BM] or light gripper. Recommended maximum load is 500g
- It can improve the vertical adaptability of the gripper and is suitable for gripping workpieces with large size differences.
- Contains accessory kit PK-FCMS01.

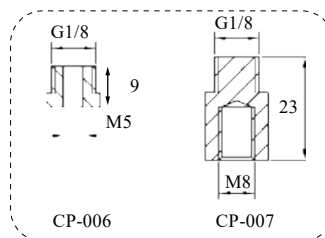


Weight 125g , Elastic Force 0~8N



Accessory kit PK-FCMS01

- 1 x CP-006
- 1 x CP-007
- 1 x SF-083(M8x10)
- 4 x SF-011(M6x10)
- 4 x SF-007(M5x12)

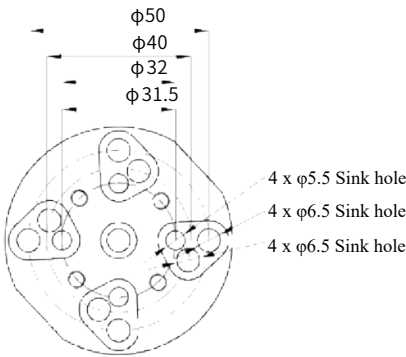


FCM-R series Rigid flange connection module

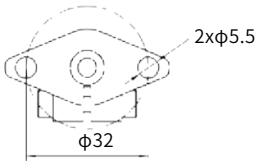
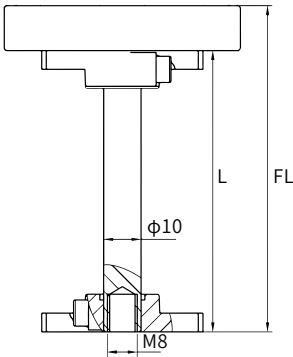
- Conform to ISO 9409-1:2004 standard (GB/T 14468.1-2006/), suitable for most robot flanges.
- Light weight, suitable for lightweight multi-joint robot. Recommended maximum load: 5 kg.
- Can be used for high-precision handling, assembly and other scenarios.
- Different lengths are available.



FCM-R(01-05)



| Model | Length L [mm] | Full length FL [mm] | Weight [g] |
|---------|------------------|------------------------|---------------|
| FCM-R01 | 35 | 42 | 116 |
| FCM-R02 | 55 | 62 | 113 |
| FCM-R03 | 75 | 82 | 117 |
| FCM-R04 | 95 | 102 | 121 |
| FCM-R05 | 115 | 122 | 165 |

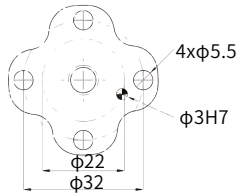
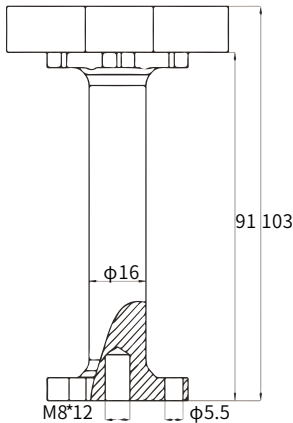
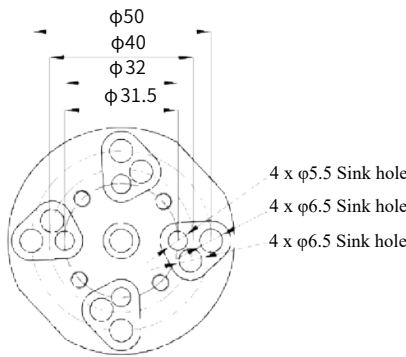


Accessory kit PK-FCMR01

- 1 x SF-83(M8x10)
- 4 x SF-011(M6x10)
- 6 x SF-007(M5x12)
- 2 x SF-075(M4x12)
- 2 x SF-081(M4)



FCM-R08(Weight 159g)

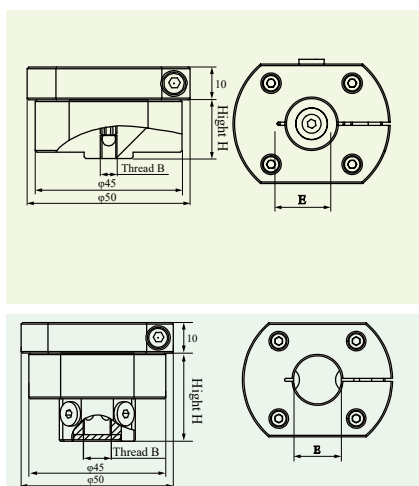
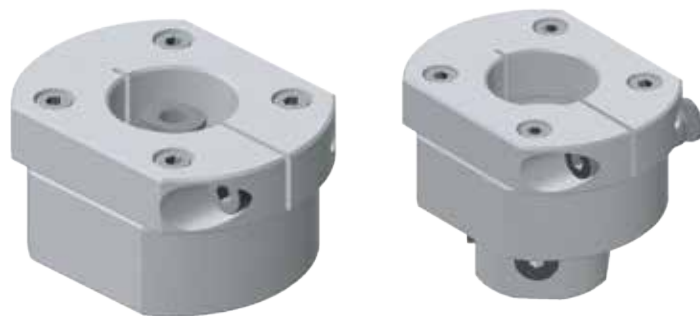


Accessory kit PK-FCMR08

- 1 x SF-83(M8x10)
- 4 x SF-011(M6x10)
- 8 x SF-007(M5x12)
- 2 x SF-076(M4x14)
- 2 x SF-081(M4)
- 1 x PIN-01(phi 3x10)

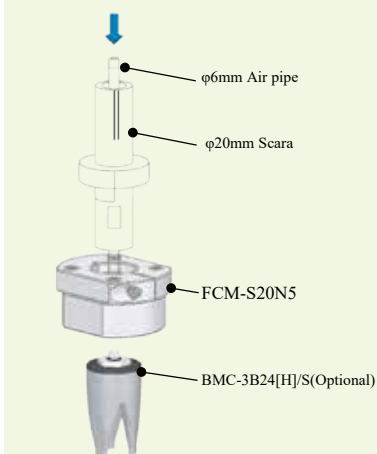
FCM -S series Scara flange module

- Used for connecting the soft gripper module [BMC] or the soft finger module [FM] to the Scara robot.
- Internal multi-channel ventilation.
- The coaxiality can reach 0.04mm.



| Model | Adaptable lead screw diameter E[mm] | Thread B | Height H[mm] | Weight [g] | Beak Module [BMC] | Finger Module [FM] |
|------------|--|-------------|-----------------|---------------|----------------------|-----------------------|
| FCM-S16N5 | φ16 | M5 | 18 | 92 | • | |
| FCM-S20N5 | φ20 | M5 | 18 | 89 | • | |
| FCM-S25N5 | φ25 | M5 | 18 | 84 | • | |
| FCM-S16N18 | φ16 | G1/8 | 19 | 92 | • | |
| FCM-S20N18 | φ20 | G1/8 | 19 | 89 | • | |
| FCM-S25N18 | φ25 | G1/8 | 19 | 84 | • | |
| FCM-S16FB | φ16 | G1/8 | 29 | 97 | • | • |
| FCM-S20FB | φ20 | G1/8 | 29 | 94 | • | • |
| FCM-S25FB | φ25 | G1/8 | 29 | 89 | • | • |

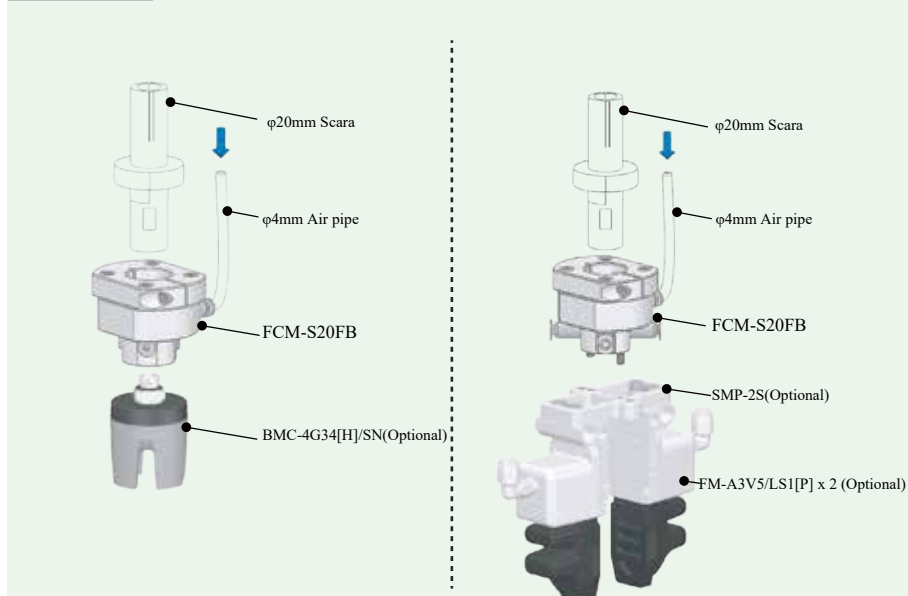
Installation method



Accessory package PK-FCMB

- 4 x SF-063 (M3x10)
- 1 x SF-004 (M4x10)
- 1 x PN-295
- 2 x PN-268
- 1 x PIN-01

Installation method



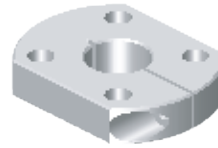
Accessory package PK-FCMF

- 2 x SF-165 (M4x22)
- 1 x SF-004 (M4x10)
- 4 x SF-063 (M3x10)
- 5 x PN-196
- 1 x PN-175
- 4 x PN-268
- 1 x PIN-01

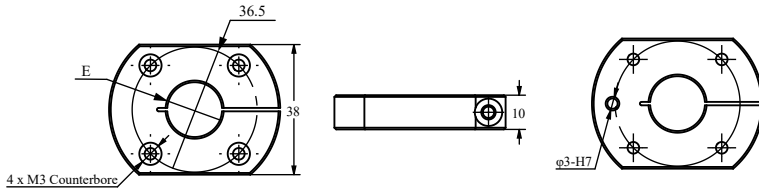
RF-S Transfer Flange

Installation

- Used in combination with RF-SCB or RF-SFB to connect to the Scara robot.



| Model | Adapted lead screw diameter E | Weight |
|--------|-------------------------------|--------|
| RF-S16 | φ16mm | 36g |
| RF-S20 | φ20mm | 33g |
| RF-S25 | φ25mm | 28g |



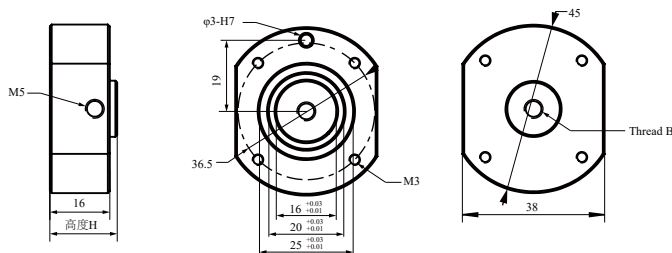
RF-SCB Transfer Flange

Installation

- Used for the connection between the soft beak module [BMC] and the Scara robot.
- Small in size and weighing only 58g.



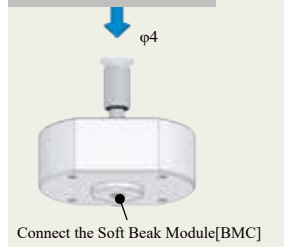
| Model | Thread B | Height H |
|-----------|----------|----------|
| RF-SCBN5 | M5 | 18mm |
| RF-SCBN18 | G1/8 | 19mm |



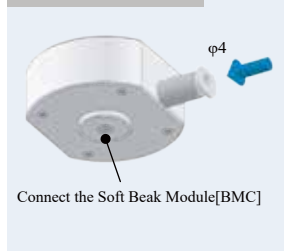
Accessory Package PK-RFB

- 1 x SF-004(M4x10)
- 4 x SF-063 (M3x10)
- 1 x PN-295
- 2 x PN-268
- 1 x PIN-01

BMC Straight Fitting Installation

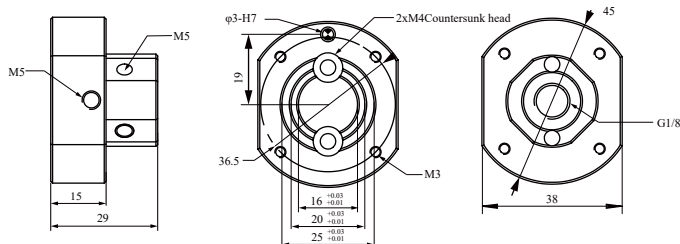


BML Side Fitting Installation



RF-SFB Transfer Flange

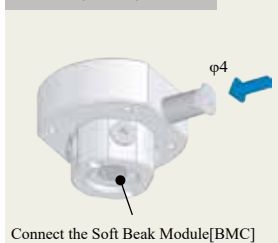
- SCARA arm transfer flange with internal multi-channel ventilation
- Weight 61g
- Can fitted with Beak Module [BMC] or Slide Mounting Plate [SMP]



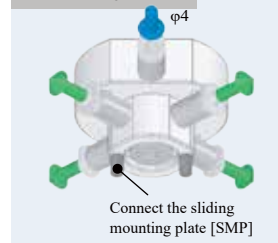
Accessory package PK-RFF

- 2 x SF-165 (M4x22)
- 1x SF-004(M4x10)
- 4 x SF-063 (M3x10)
- 5 x PN-196
- 1 x PN-175
- 4 x PN-268
- 1 x PIN-01

BMC Straight Fitting Installation

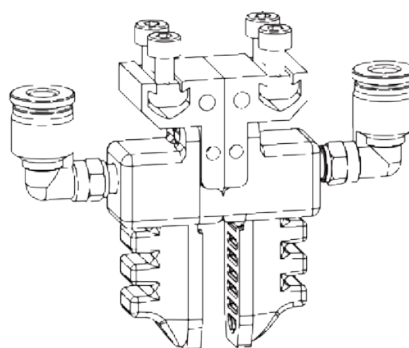
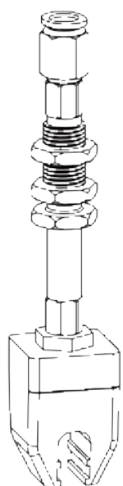


BML Side Fitting Installation

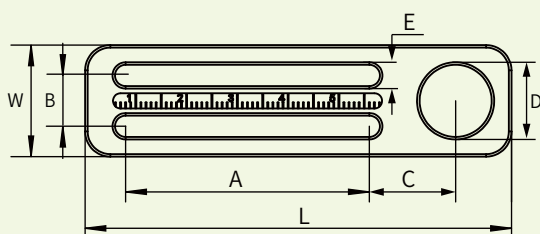


SMP-单向系列

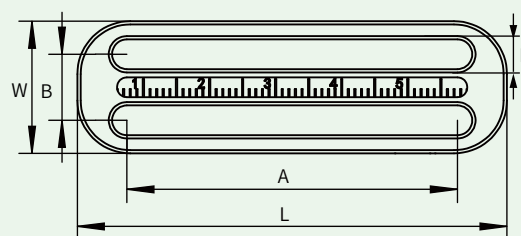
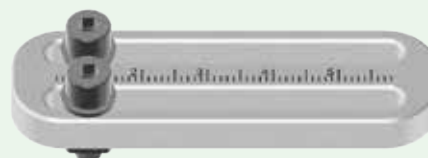
- Can be used for the assembly between the soft finger module [FM] or the connection module [CM] and the aluminum profile [P].
- The installation angle and position can be adjusted freely.
- Contains the accessory kit PK-SMP01.



One-way soft beak series



One-way soft finger series

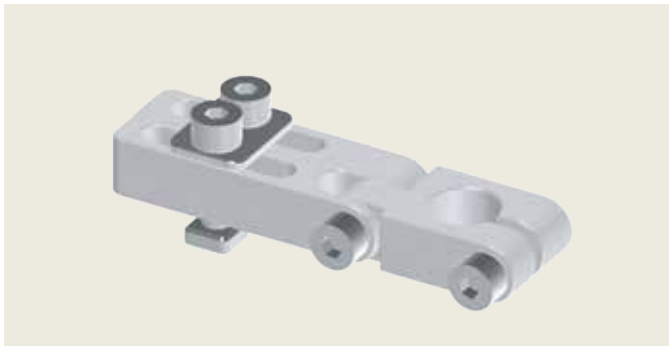


| | Model | Slot Length A [mm] | Slot Space B [mm] | Slot Width E [mm] | Length L [mm] | Width W [mm] | Thickness H [mm] | Slot Spacing C [mm] | Mounting hole D [mm] | Weight [g] |
|----------------------------|----------|-----------------------|----------------------|----------------------|------------------|-----------------|---------------------|------------------------|-------------------------|---------------|
| One-way soft beak series | SMP-13 | 20 | 10 | 4.1 | 50 | 20 | 6 | 14 | 10.2 | 10.7 |
| | SMP-14 | 48 | 10 | 4.1 | 80 | 20 | 6 | 14 | 10.2 | 16.2 |
| | SMP-15 | 80 | 10 | 4.1 | 110 | 20 | 6 | 14 | 10.2 | 21.6 |
| | SMP-16 | 110 | 10 | 4.1 | 140 | 20 | 6 | 14 | 10.2 | 27.1 |
| | SMP-1420 | 20 | 10 | 4.1 | 56 | 22 | 6 | 17 | 14.2 | 14 |
| | SMP-1448 | 48 | 10 | 4.1 | 84 | 22 | 6 | 17 | 14.2 | 20 |
| One-way soft finger series | SMP-01 | 50 | 10 | 4.7 | 65 | 20 | 6 | | | 10.8 |
| | SMP-02 | 75 | 10 | 4.7 | 90 | 20 | 6 | | | 16.1 |
| | SMP-03 | 100 | 10 | 4.7 | 115 | 20 | 6 | | | 18.5 |

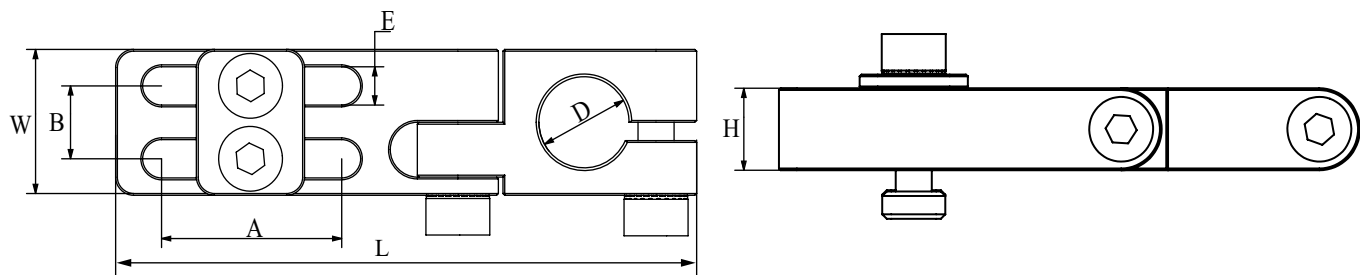
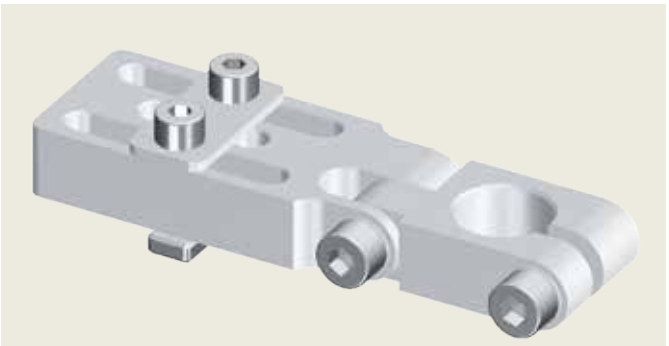
SMP-R unidirectional rotation series

- Can be used for the assembly between the soft beak module [BM], the connection module [CM] and the aluminum profile [P].
- Adjusting angle: Adjusting the screw can loosen or lock the installation block, and adjust the angle of the soft beak in all directions.

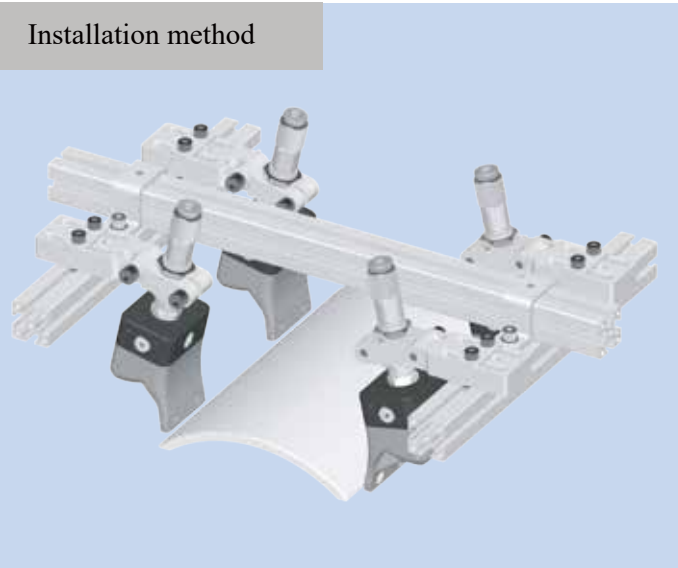
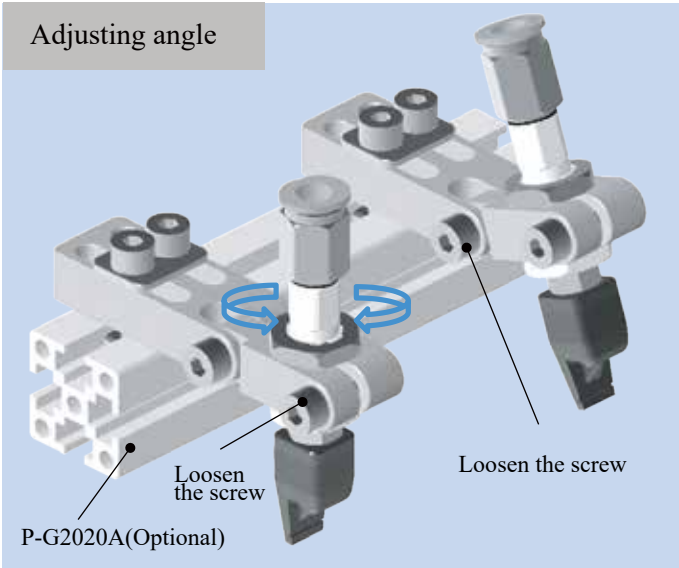
SMP-R1020



SMP-R1430



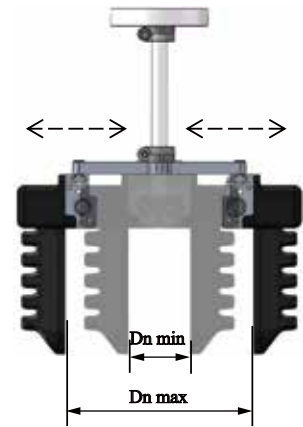
| Model | Mounting hole D [mm] | Width W [mm] | Length L [mm] | Thickness H [mm] | Slot Length A [mm] | Slot Space B [mm] | Slot Width E [mm] | Weight [g] |
|-----------|----------------------|--------------|---------------|------------------|--------------------|-------------------|-------------------|------------|
| SMP-R1020 | 10 | 16 | 64.5 | 9 | 20 | 8 | 4.2 | 30 |
| SMP-R1430 | 14 | 25 | 85 | 11 | 30 | 15 | 5.2 | 50 |



SMP-Multidirection series

- Divided into different styles according to shape and groove length.
- Can be used for the assembly between the finger module [FM] and the flange connection module [FCM].
- The installation angle and position of the finger module [FM] can be freely adjusted.

| | Model | Slot Length A [mm] | Thickness [mm] | Atmosphere Fingertip Distance Dn [mm] | | Weight [g] |
|-----------|--------|-----------------------|-------------------|---------------------------------------|--------------|---------------|
| | | | | Dnmin-Dnmax | | |
| | | | | V2,V4 | Finger Modul | |
| Two-way | SMP-2S | 20 | 8 | 40~69 | | 18.2 |
| | SMP-2L | 45 | 8 | 40~119 | | 28.2 |
| Three-way | SMP-3S | 15 | 8 | 58~82 | | 34.6 |
| | SMP-3L | 50 | 8 | 58~152 | | 54.1 |
| Four-way | SMP-4S | 22 | 8 | 72~104 | | 55 |
| | SMP-4L | 67 | 8 | 72~194 | | 89.5 |
| Five-way | SMP-5S | 23 | 10 | 91~112 | | 95.4 |
| | SMP-5L | 78 | 10 | 91~222 | | 181 |



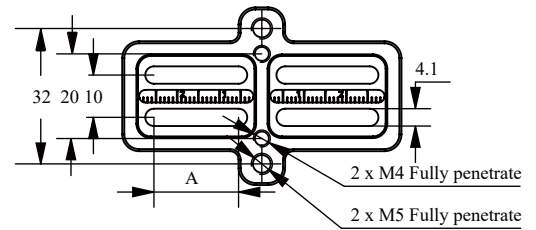
The maximum clamping range of the gripper combination is $G_{max} = D_{nmax} + 2H_{max}$.
For H_{max} , please refer to the parameter page of the finger module.



SMP-2S



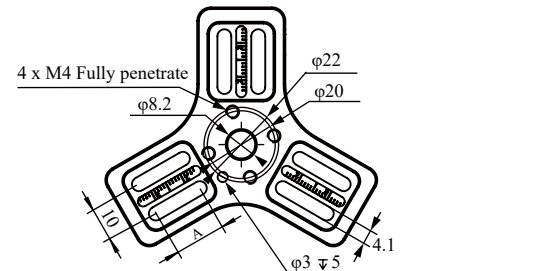
SMP-2L



SMP-3S



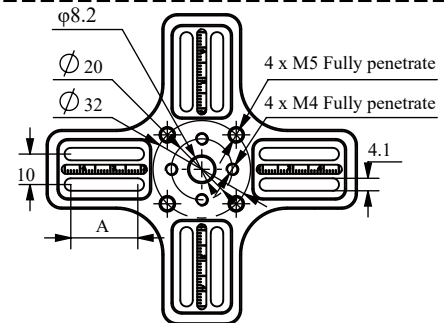
SMP-3L



SMP-4S



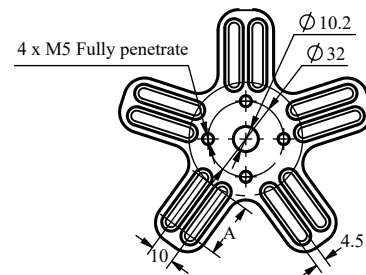
SMP-4L



SMP-5S

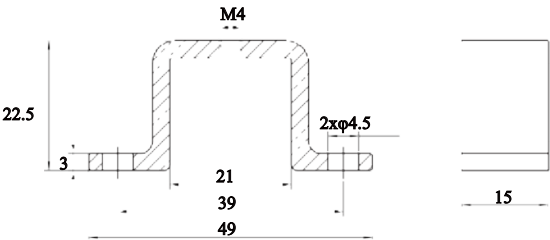


SMP-5L



CP-001 Connector Part

- Cross mounting bracket for profile P-G2020A

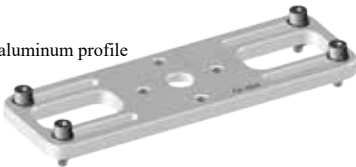
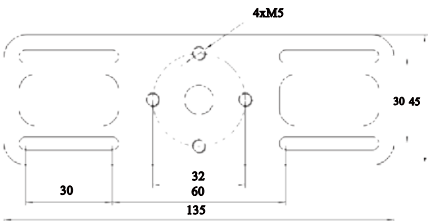


Weight 10g



CP-004 Connector Part

- A multipurpose mounting plate that can install finger module [FM] or aluminum profile [P]
- Installed at the end of flange connection module [FCM]

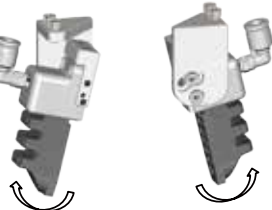
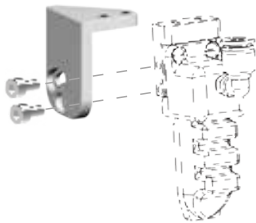


Weight 65g



CP-AC Soft finger rotation installation module

- Used to adjust the installation angle of the soft finger module [FM]
- Installed between the soft finger module [FM] and the sliding mounting plate [SMP]

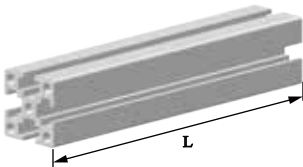
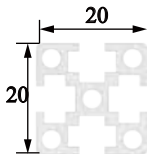


| | | CP-ACA | CP-ACB | CP-ACC |
|---------------------------------------|----|--------|--------|--------|
| | | | | |
| Model | | CP-ACA | CP-ACB | CP-ACC |
| Adaptability of soft finger module FM | V1 | | | |
| | V2 | • | • | |
| | V3 | • | • | • |
| | V4 | | | |
| | V5 | | | |
| Weight [g] | | 22 | 19 | 15 |

P-G2020A Profile

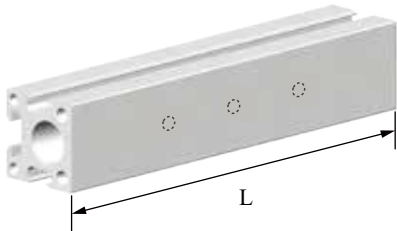
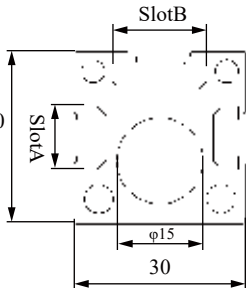
- Conventional lightweight aluminum profiles. Special lengths can be cut.

| Model | Length L [mm] | Weight [g] |
|---------------|---------------|------------|
| P-G2020A<100> | 100 | 47 |
| P-G2020A<150> | 150 | 70.5 |
| P-G2020A<200> | 200 | 94 |
| P-G2020A<300> | 300 | 141 |
| P-G2020A<400> | 400 | 188 |
| P-G2020A<500> | 500 | 235 |



P-C3030A Series Profile

- Divided into different styles according to shape and groove length.
- Can be used for the assembly between the finger module [FM] and the flange connection module [FCM].
- The installation angle and position of the finger module [FM] can be freely adjusted.



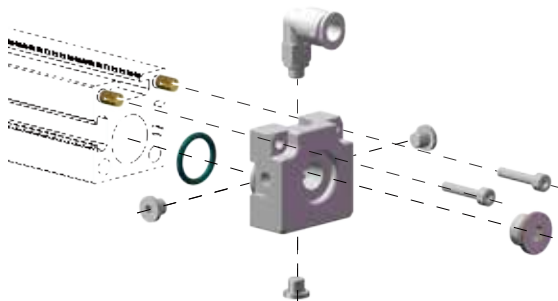
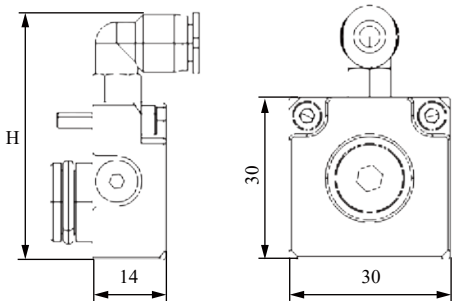
| Model | Length L | Nut for slot A adaptation | Nut for slot B adaptation | Weight |
|---------------|----------|-----------------------------|-----------------------------|--------|
| P-C3030A<100> | 100mm | European Standard 20 Series | European Standard 30 Series | 120g |
| P-C3030A<200> | 200mm | European Standard 20 Series | European Standard 30 Series | 240g |
| P-C3030A<300> | 300mm | European Standard 20 Series | European Standard 30 Series | 360g |
| P-C3030A<400> | 400mm | European Standard 20 Series | European Standard 30 Series | 480g |
| P-C3030A<500> | 500mm | European Standard 20 Series | European Standard 30 Series | 600g |

CM-PC3030A Series Profile

- Special end cap for profile P-C3030A, with breathable joint or plug.
- When in use, the copper nut should be cold-pressed and installed into the end face hole of the profile.

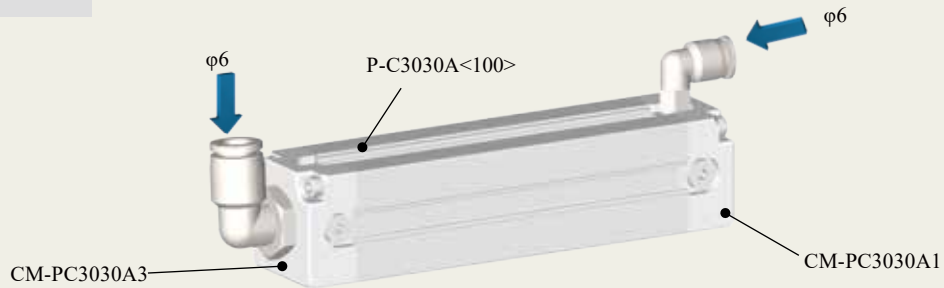


| Model | CM-PC3030A1 | CM-PC3030A2 | CM-PC3030A3 |
|----------------|-------------|-------------|-------------|
| Air pipe joint | φ6mm | None | φ6mm |
| Hight H [mm] | 49.5 | 30 | 30.7 |

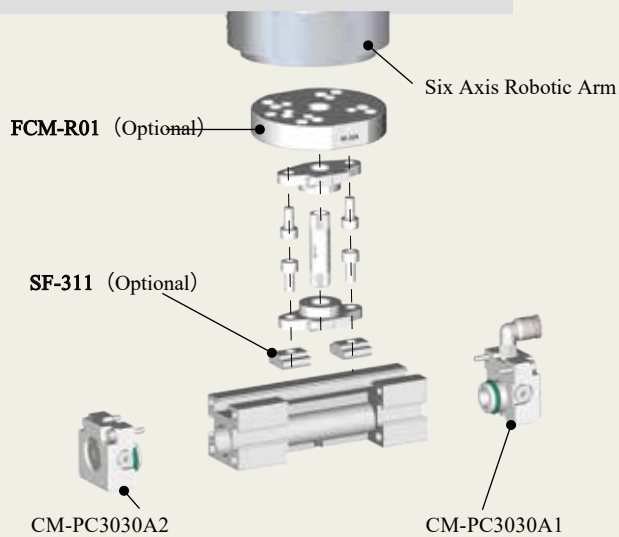


Profile P-C3030A + connection module CM-PC3030A

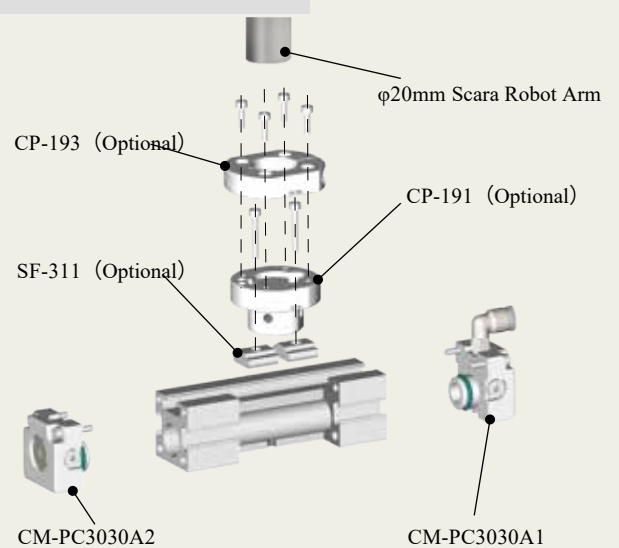
Combination method



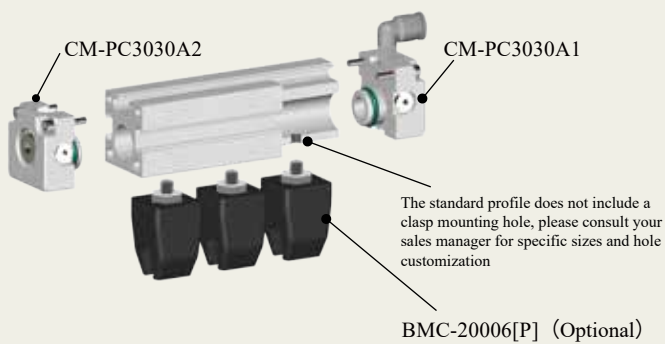
Robotic Arm Flange Side Fitting Installation



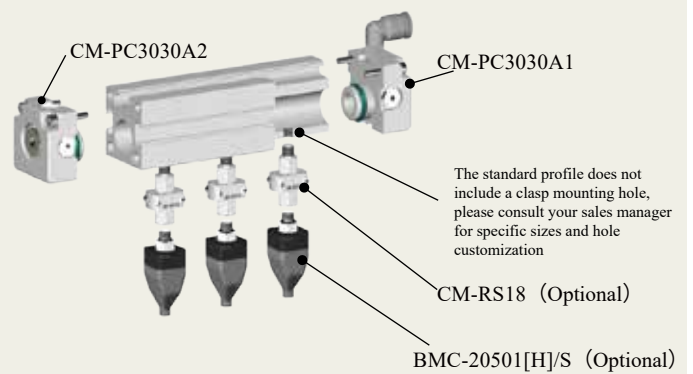
Scara Robotic Arm Installation



Soft Beak Row Installation

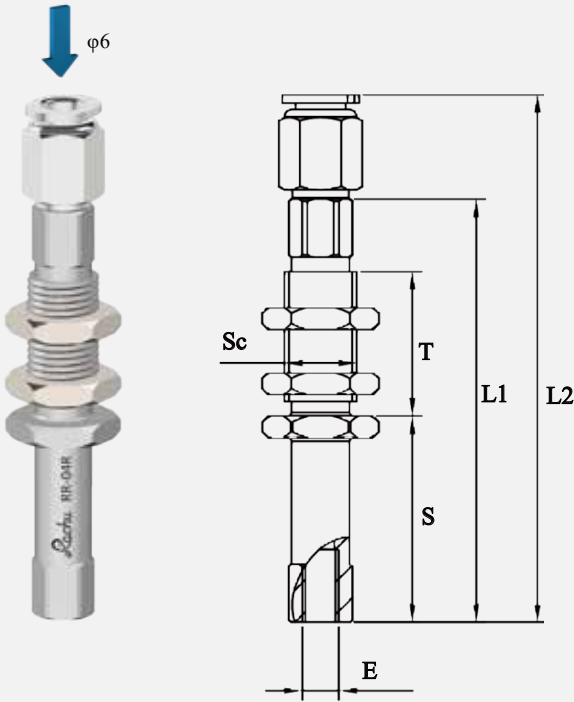
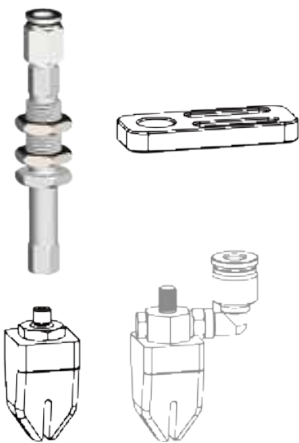


Adjustable Angle Soft Beak installation



CM-R Soft Beak rigid connection module series

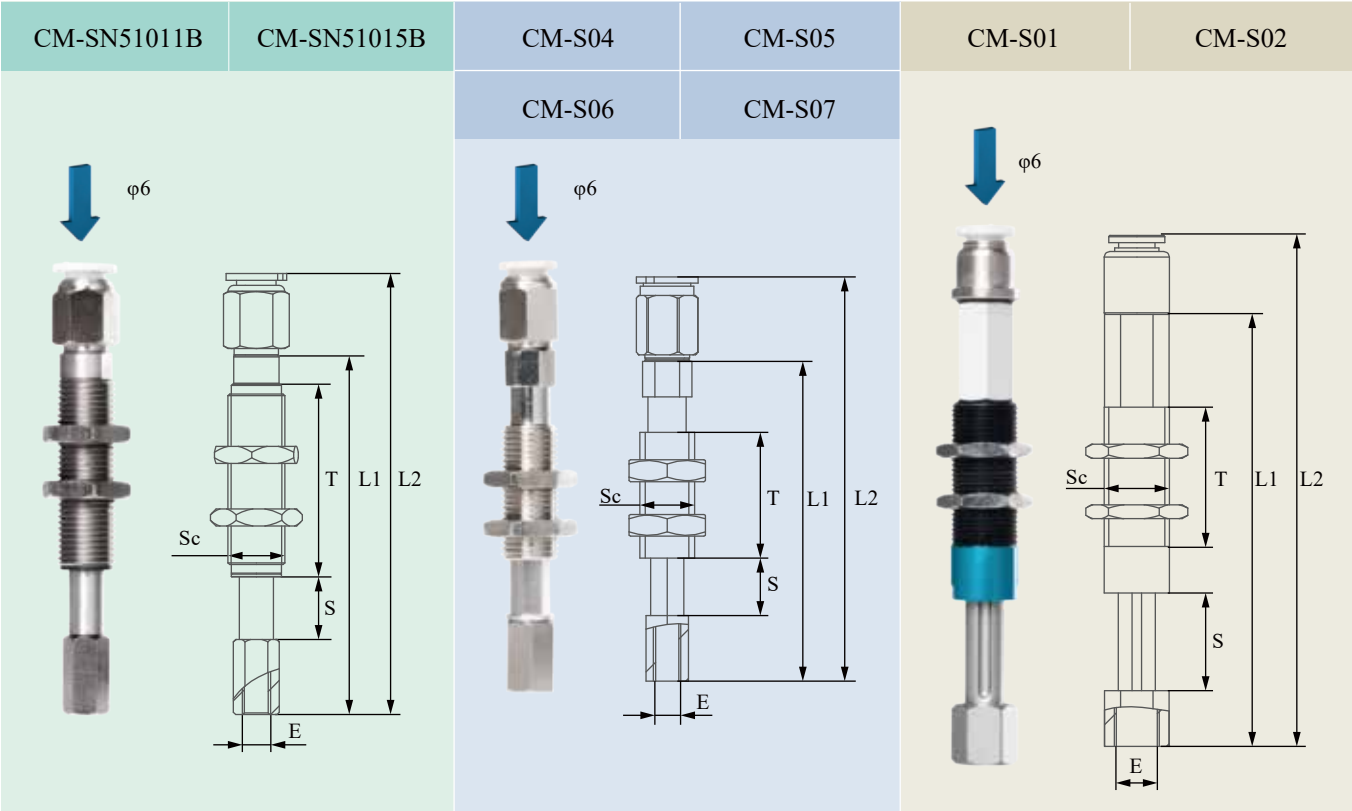
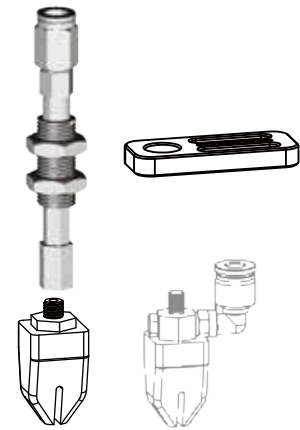
- Aluminum alloy rigid structure design, can be used for high positioning accuracy scenes.
- Soft Beak Module [BMC/BML] can be installed at the end.
- Can be installed with Slide Mounting Plate [SMP].



| Model | S | T | L1 | L2 | Weight | E | Sc | Recommend -ed load | SMP Adaptive | Pipe Diameter | Positioning accuracy | Rotation accuracy |
|---------------|--------|--------|-------|--------|--------|------|-------|-----------------------|-----------------|------------------|-------------------------|----------------------|
| CM-RM525M5 | 3mm | 12mm | 25mm | 39.5mm | 11g | M5 | M10x1 | 500g | YES | 6mm | ±0.01mm | ±0.01° |
| CM-RM558M5 | 28.5mm | 20mm | 58mm | 73mm | 17g | M5 | M10x1 | 500g | YES | 6mm | ±0.01mm | ±0.01° |
| CM-RG1840G18 | 9.5mm | 16.5mm | 40mm | 57mm | 33g | G1/8 | M14x1 | 1500g | NO | 6mm | ±0.01mm | ±0.01° |
| CM-RG18128G18 | 59mm | 47mm | 128mm | 145mm | 58g | G1/8 | M14x1 | 1500g | NO | 6mm | ±0.01mm | ±0.01° |

CM -S Soft Beak buffer connection module series

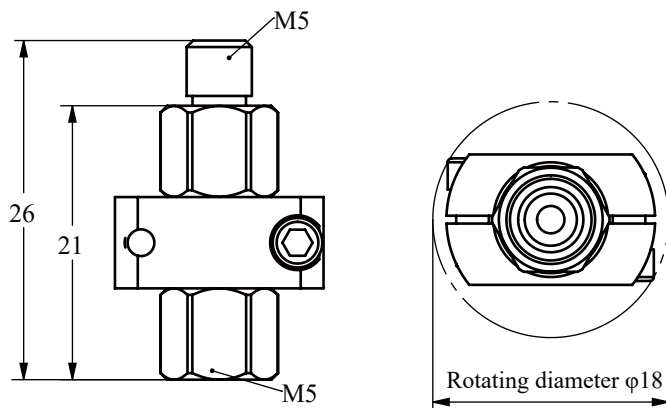
- It has elastic cushioning function. We do not recommend it to be used in scenarios requiring high Positioning accuracy
- Soft Beak Module [BMC/BML] can be installed at the end.
- Some Models can be installed with Slide Mounting Plate[SMP]



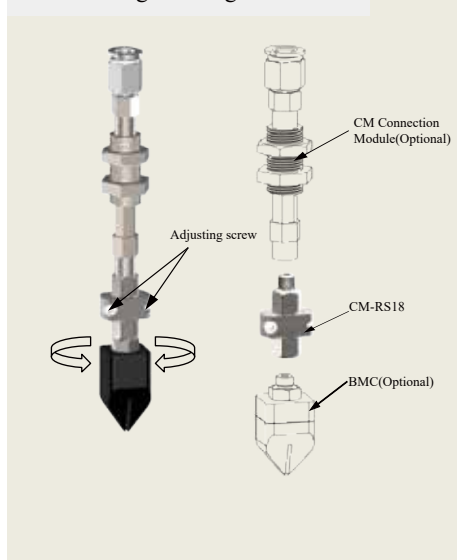
| Model | S | T | L1 | L2 | Weight | E | Sc | Elastic buffer force | Recommend -ed load | Pipe Diameter | Positioning accuracy | Rotation accuracy |
|-------------|--------|--------|--------|---------|--------|------|-------|-------------------------|-----------------------|------------------|-------------------------|----------------------|
| CM-SN51011B | 11mm | 33.9mm | 63.1mm | 77.7mm | 25.5g | M5 | M10x1 | 0~3N | 300g | 6mm | ± 0.2 mm | ± 0.4 ° |
| CM-SN51015B | 15mm | 39mm | 72.8mm | 87.4mm | 27.7g | M5 | M10x1 | 0~3N | 300g | 6mm | ± 0.2 mm | ± 0.4 ° |
| CM-S04 | 10.5mm | 23mm | 58.5mm | 73.9mm | 28g | M5 | M10x1 | 0~3N | 300g | 6mm | ± 0.5mm | ± 1.5 ° |
| CM-S05 | 20mm | 51mm | 96mm | 111.4mm | 43g | M5 | M10x1 | 0~3N | 200g | 6mm | ± 0.5mm | ± 1.5 ° |
| CM-S06 | 30mm | 51mm | 106mm | 121.4mm | 50g | M5 | M10x1 | 0~3N | 200g | 6mm | ± 0.5mm | ± 1.5 ° |
| CM-S07 | 40mm | 77mm | 142mm | 157.4mm | 56g | M5 | M10x1 | 0~3N | 200g | 6mm | ± 0.5mm | ± 1.5 ° |
| CM-S01 | 21mm | 30mm | 93mm | 110mm | 38.4g | G1/8 | M14x1 | 0~10N | 800g | 6mm | ± 0.5mm | ± 0.8 ° |
| CM-S02 | 36mm | 50mm | 128mm | 145mm | 45.4g | G1/8 | M14x1 | 0~10N | 800g | 6mm | ± 0.5mm | ± 0.8 ° |

CM-RS18 Rotary Joint

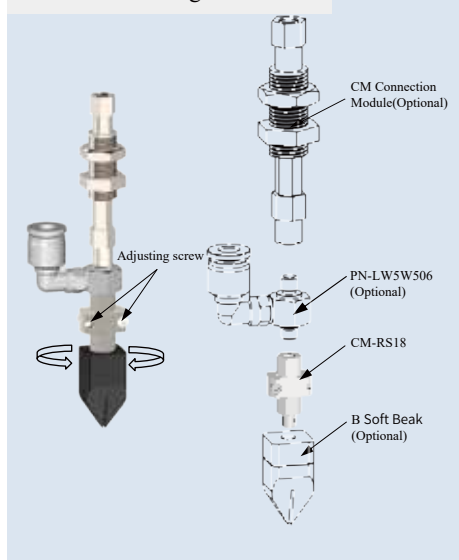
- The weight of the product is only 13g, small and lightweight
- Suitable for multiple Connection Modules: CM-RM525M5, CM-RM558M5, CM-S04, CM-S05, CM-S06, CM-S07
- The swivel can be locked or relaxed by adjusting the screws on one side of the swivel
- When the rotary joint is relaxed, the freedom of rotation in the Z-axis direction is unlocked and the rotation Angle can be adjusted
- When the rotary joint is locked, the rotation degree of freedom in the Z-axis direction is locked, and the rotation Angle cannot be adjusted



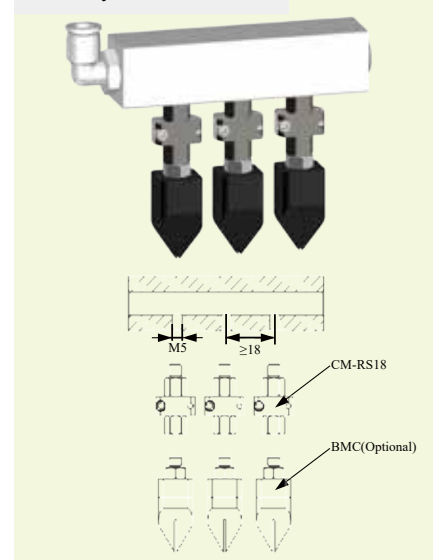
BMC Straight Fitting Installation



BML Side Fitting Installation

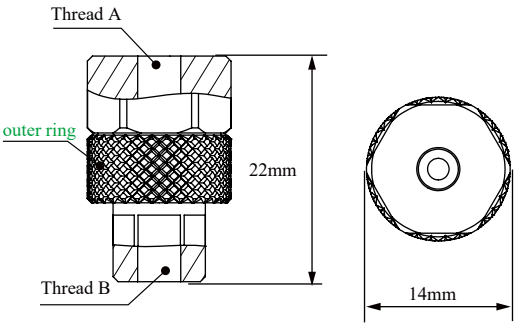


Side-by-side installation

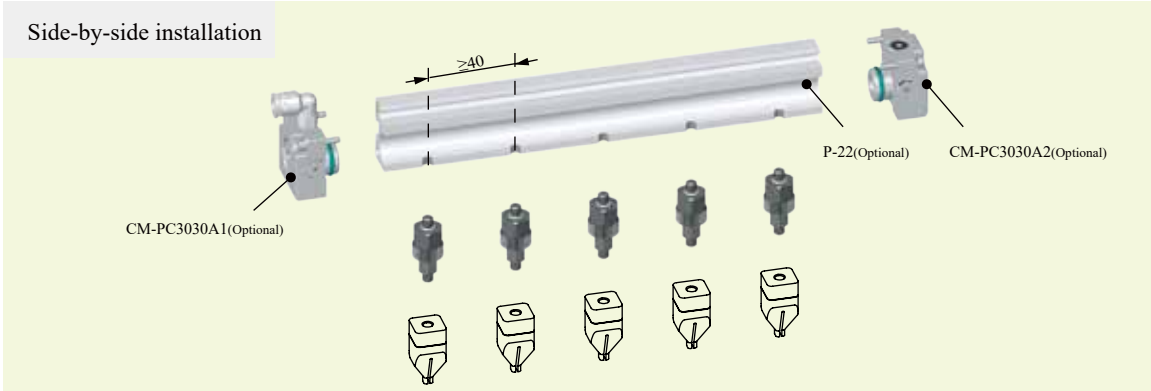
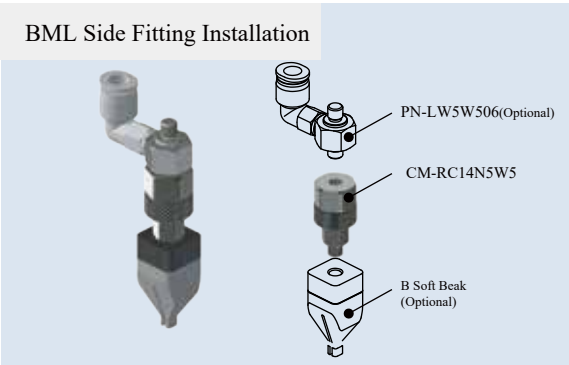
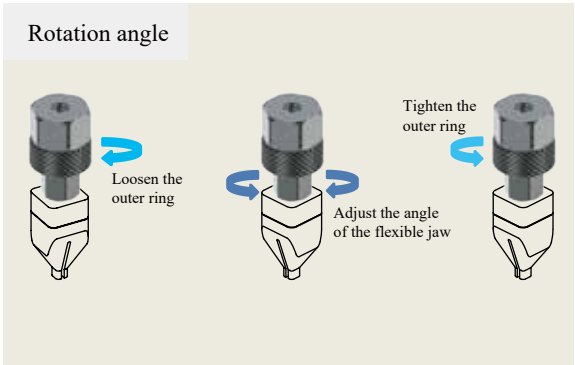


CM-RC14 Rotary Joint series

- Rotation angle: Rotate the outer ring to loosen or tighten the joint and adjust the angle of the soft beak.
- Compact size: The maximum rotating diameter is 14mm.



| Model | Thread A | Thread B | Weight |
|-------------|--------------------|--------------------|--------|
| CM-RC14N5N5 | Internal thread M5 | Internal thread M5 | 6.1g |
| CM-RC14N5W5 | Internal thread M5 | External thread M5 | 6.6g |
| CM-RC14W5N5 | External thread M5 | Internal thread M5 | 6.8g |
| CM-RC14W5W5 | External thread M5 | External thread M5 | 7.2g |

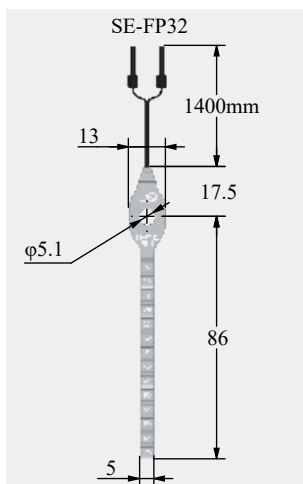
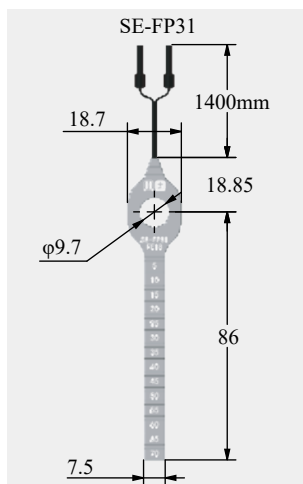


SE-FP series flexible probe

- The end of the non-contact diffuse reflection infrared optical sensor is used for detecting the presence or absence of workpieces.
- It can be installed on the soft beak module [BM].
- The probe angle can be bent and the length can be trimmed.

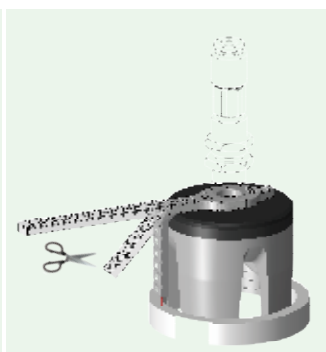
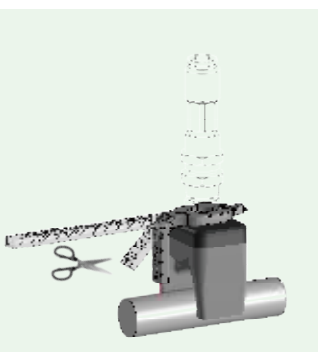
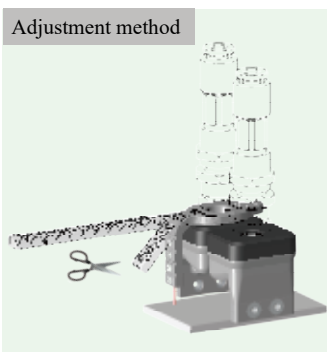
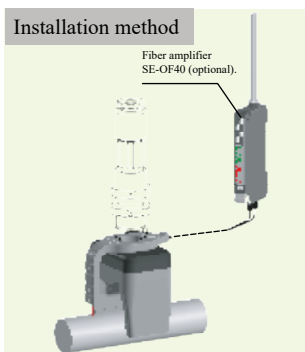


scan to watch video



| Model | Installation aperture | Adapter joint PN * | Probe thickness D | Probe thickness W | Probe length L | Weight |
|---------|-----------------------|--------------------|-------------------|-------------------|----------------|--------|
| SE-FP31 | G1/8 | PN-CW18W18L | 4mm | 7.5mm | 86mm | 7.7g |
| SE-FP32 | M5 | PN-CW5W5L | 3mm | 5mm | 86mm | 4.4g |

*: For other models of adaptable installation joints, please consult the account manager.



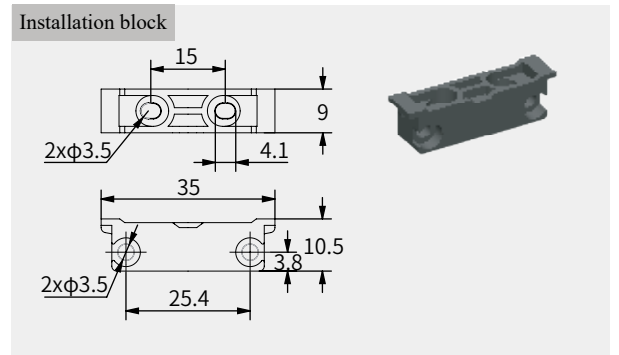
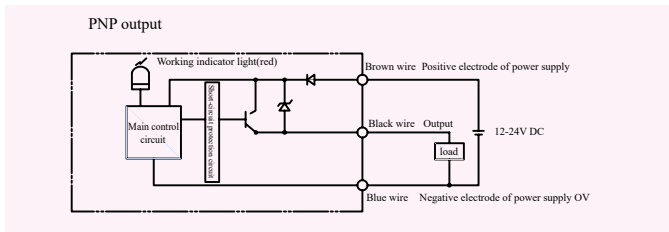
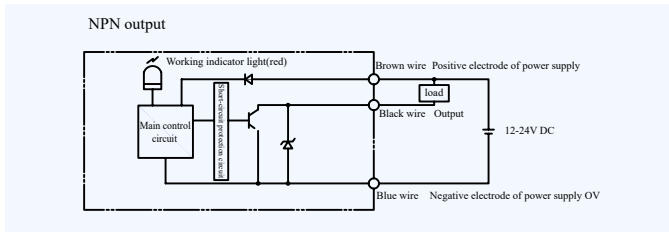
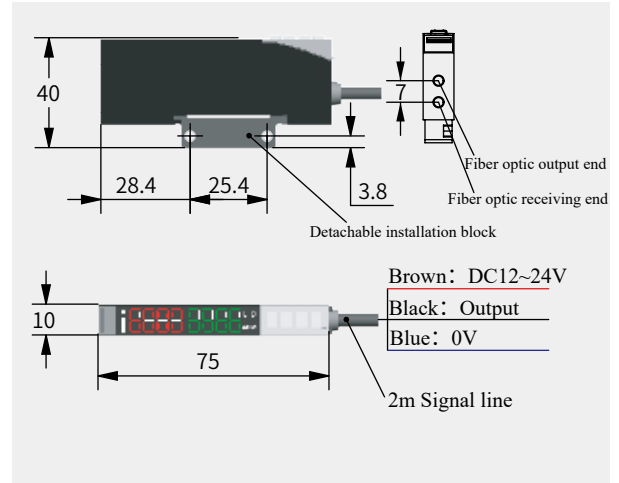
- Bend the probe by hand and point it at the workpiece (the bending radius is not less than 10mm). It is recommended that the distance between the end of the probe and the workpiece is 2-10mm.
- When the probe is too long, it can be cut with scissors. For the cut probe, the illuminance may attenuate and affect the detection distance. At this time, it should be corrected by secondary trimming or adjusting the trigger threshold of the fiber amplifier.
- Black and transparent workpieces will produce a lower diffuse reflection light value. The distance from the end of the probe to the workpiece should be appropriately shortened.

SE-OF series Optical fiber signal amplifier

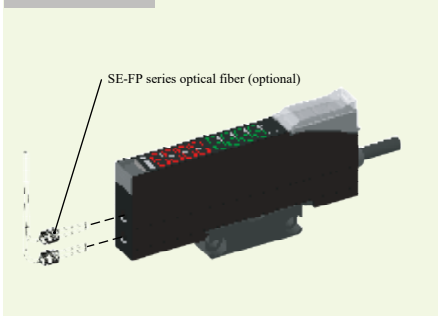
- High-precision double digital display, NPN or PNP output
- Compatible with SE-FP series flexible probes
- One-click setting for workpiece presence detection



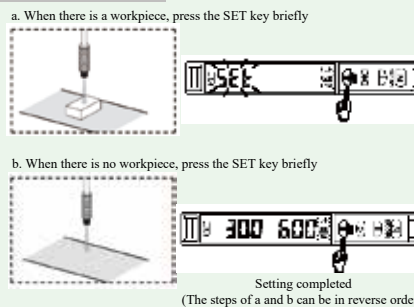
| Model | SE-OF40P | SE-OF40N |
|--------------------------------|--|---|
| Type | NPN output, 1 output port, lead wire extraction type. | NPN output, 1 output port, lead wire extraction type. |
| Light source | Red, four-element light-emitting diode body | |
| Reaction time | According to different power modes HSP: 10 μ S, FINE: 30 μ S, SUPR: 100 μ S, MEGA: 200 μ S. | |
| Output selection | Normally open LIGHT-ON / Normally close DARK-ON(Switch selection) | |
| Detection method | Light intensity (capable of area detection and providing automatic sensitivity tracking function). | |
| Control output | NPN/PNP open collector 24V, maximum 100mA (only for main components) Maximum 20mA (when expansion components are connected. Residual voltage: 1V) | |
| Power supply | Between 12 to 24VDC +10%, floating ratio (P-P): maximum 10% level 2 | |
| Working environment brightness | Incandescent lamp: Maximum: 20,000 lux. Daylight: Maximum: 30,000 lux | |
| Power consumption | Standard mode: Maximum 300mW. Maximum voltage: 24V | |
| Vibration resistance | 10 to 55Hz, double amplitude: 1.5mm. For X, Y, and Z axes respectively, it is 2 hours | |
| Ambient temperature | -10°C to +55 °C, without freezing. | |



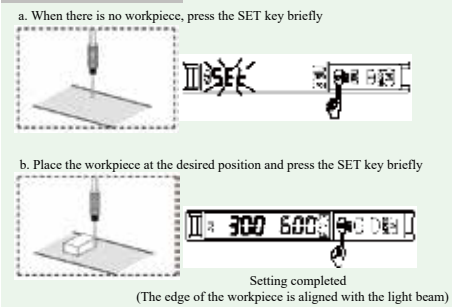
Connection mode



Two-point calibration



Positioning calibration



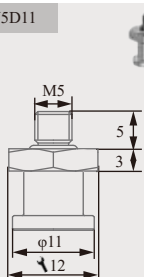
- This product is only for the detection of target objects. Do not use this product for purposes such as protecting the human body or body parts.
- This product must not be used as an explosion-proof product. Do not use this product in a hazardous location or an environment with potentially explosive gases.
- This product is a DC power supply type sensor. Do not use an AC power supply. Otherwise, the product may explode or catch fire.
- Do not wire the amplifier along power lines or high-voltage lines. Otherwise, the sensor may malfunction or be damaged due to noise.
- Do not use outdoors or in a location where external light can directly enter the light receiving surface.

PN-Pneumatic joint series

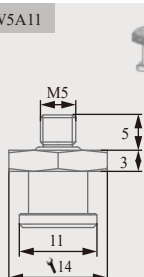
- The plug used for connecting or disconnecting pneumatic circuits with soft beaks is divided into two types of connection threads: M5 and G1/8.
- This series is divided into two types: straight plug and side plug (quick insertion).

Straight connector

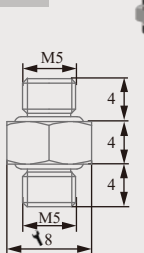
PN-CW5D11



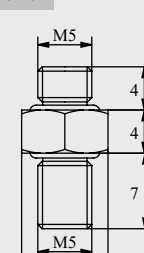
PN-CW5A11



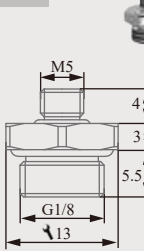
PN-CW5W5



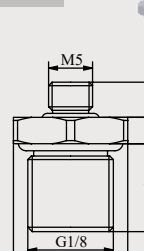
PN-CW5W5L



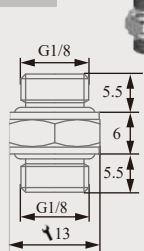
PN-CW5W18



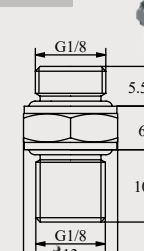
PN-CW5W18L



PN-CW18W18

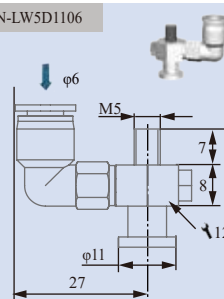


PN-CW18W18L

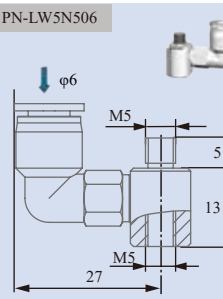


Side-pass connector

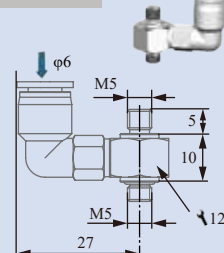
PN-LW5D1106



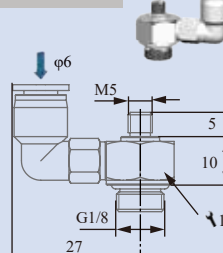
PN-LW5N506



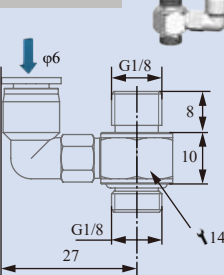
PN-LW5W506



PN-LW5W1806



PN-LW18W1806



Installation and usage method

PN-CW5D11



B-20006[P]
(Optional)



PN-CW5W5



B-3B14[H]/S
(Optional)



PN-LW5D1106



B-20006[P]
(Optional)



PN-LW5W506



B-3B14[H]/S
(Optional)

