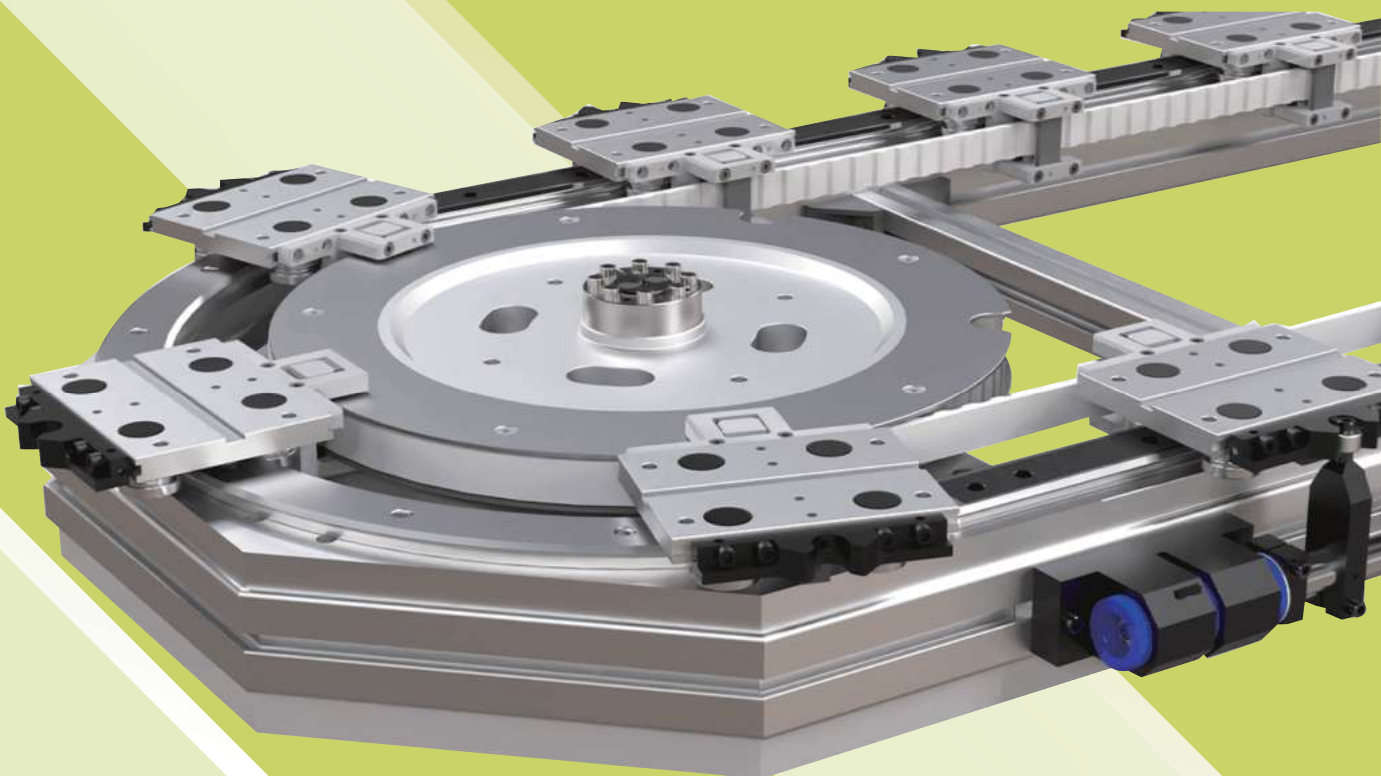


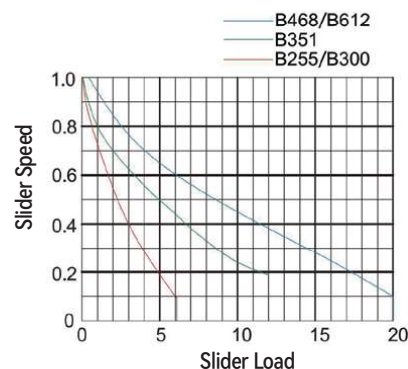
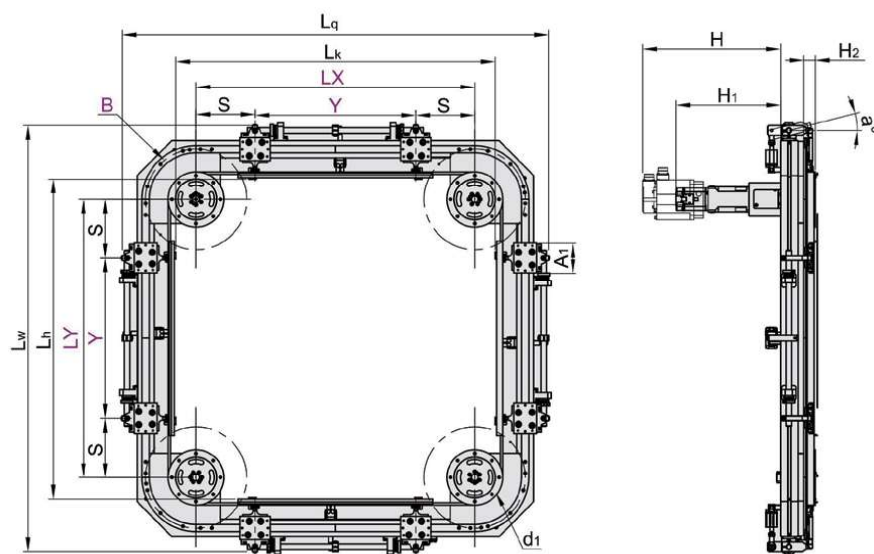
Rail Guide

Conveying System



Division Slider Synchronous Motion Module

Rail Guide Conveying Capability-Horizontal installation



① Static load capability of B255,B300 and B351 is 15kg when speed is 0m/s; ② Static load capability of B468 and B612 is 30kg when speed is 0m/s; ③ Above load-speed relation curve is basis on the rail guide is horizontal installed and lubricated, the load should be applied on slider center. ④ The load capability of the rail guide conveying system will be different when slider quantity is changed. ⑤ Note: Load capability will be halved when rail guide is vertical installed.

Specification	A _a	L _a	B	A _b	L _b	C (Inner width)	d ₁ (Timing Pulley Perimeter)	S (When there is positioning unit)	Y(When there is positioning unit)	H ₁	H	H ₂ Slider top face to rail guide bottom face	8/Positioning Shaft Swing Angle)
B255	420	L+416	255	440	L+436	Station Qty x Station Distance-300)/2	300	≥30	≥120	≤400	≤500	30.5	14°
B300	465	L+465	300	485	L+485	Station Qty x Station Distance-440)/2	440		≥140				
B351	516	L+514	351	536	L+534	Station Qty x Station Distance-600)/2	600		≥180				
B468	669	L+665	468	689	L+685	Station Qty x Station Distance-860)/2	860	>40	≥260			38.5	
B612	813	L+808	612	833	L+828	Station Qty x Station Distance-1320)/2	1320		≥380				

Specification	L _m	L _n	B	L _q	L _w	L _w	L _k (Inner width)	L _h (Inner width)	L _x	L _y	d1 (Timing Pulley Perimeter)	S (When there is positioning unit)	Y (When there is positioning unit)	H ₁	H	H _z Slider top face to rail guide bottom face	H ₂ (Positioning Shaft Swing Angle)
B255	L+416	L+436	255	L×436	L×436	L×436	L×60	L×60	(Station Qty-1)×Station Distance+Σx2	(Station Qty-1)×Station Distance+Σx2	300		≥120				
B300	L+465	L+485	300	L×485	L×485	L×485	L×92	L×92	(Station Qty-1)×Station Distance+Σx2	(Station Qty-1)×Station Distance+Σx2	440	≥30	≥140			30.5	
B351	L+514	L+534	351	L×534	L×534	L×534	L×144	L×144	(Station Qty-1)×Station Distance+Σx2	(Station Qty-1)×Station Distance+Σx2	600		≥180	≤400	≤500		14°
B468	L+665	L+685	468	L×685	L×685	L×685	L×226	L×226	(Station Qty-1)×Station Distance+Σx2	(Station Qty-1)×Station Distance+Σx2	860	>40	≥260			38.5	
B612	L+808	L+828	612	L×828	L×828	L×828	L×372	L×372	(Station Qty-1)×Station Distance+Σx2	(Station Qty-1)×Station Distance+Σx2	1320		≥380				

Model		Positioning Unit Qty	B Curve Diameter (mm)	Rail Guide Type	L Rail Guide Length	Y Slider Pitch	Rail Guide Installation Method	Positioning Method	Rail Guide Type	Servo Motor Brand	Servo Motor Power(W)	Ratio	Input Voltage	Output Signal	X axis Repeat tolerance (without positioning unit)	Y and Z axis Repeat tolerance	X axis Repeat Tolerance (with positioning unit)
Code	Station Qty																
KS D02	2~30	0~30	255 300 351	Q Ring	300~6000 (Minimum)	120~1600 (Minimum)	R Horizontal	A Single cylinder lifting	B:Standard Type J:Economic Type	Panasonic Innovace Siemens	750 1500	40	220 380	N (NPN) P (PNP)	±2	B:Standard Type±0.1 J:Economic Type±0.2	±0.05
			468 612		step20	step20	L Vertical	B Single or multiple cylinder swiveling	B:Standard Type		1500						

Model		Positioning Unit Qty	B Curve Diameter (mm)	Rail Guide Type	LX/LY Rail Guide Length	Y Slider Pitch	Rail Guide Installation Method	Positioning Method	Rail Guide Type	Servo Motor Brand	Servo Motor Power(W)	Ratio	Input Voltage	Output Signal	X axis Repeat tolerance (without positioning unit)	Y and Z axis Repeat Tolerance	X axis Repeat Tolerance (with positioning unit)
Code	Station Qty																
KS D02	2~30	0~30	255 300 351	W rectangle	300~6000 (Minimum step20)	120~1600 (Minimum step20)	R Horizontal	A Single cylinder lifting	B:Standard type J:Economic type	Panasonic Innovace Siemens	750 1500	40	220 380	N (NPN) P (PNP)	±2	B:Standard type±0.1 J:Economic type±0.2	±0.05
			468 612				L Vertical	B Single or multiple cylinder swinging	B:Standard type		1500						

Model		Positioning Unit Qty	B Curve Diameter (mm)	Rail Guide Type	LX/LY Rail Guide Length	Y Slider Pitch	Rail Guide Installation Method	Positioning Method	Rail Guide Type	Servo Motor Brand	Servo Motor Power(W)	Ratio	Input Voltage	Output Signal
Code	Station Qty													
KS D02	2~30	0~30	255 300 351	Q Ring	300~6000 (Minimum step20)	120~1600 (Minimum step20)	R Horizontal L Vertical	A Single cylinder lifting B Single or multiple cylinder swivling	B:Standard Type J:Economic Type	Panasonic Innovance Siemens	750 1500	40	220 380	N(NPN) P(PNP)

Model		Positioning Unit Qty	B Curve Diameter (mm)	Rail Guide Type	LX/LY Rail Guide Length	Y Slider Pitch	Rail Guide Installation Method	Positioning Method	Rail Guide Type	Servo Motor Brand	Servo Motor Power(W)	Ratio	Input Voltage	Output Signal
Code	Station Qty													
KS D02	2~30	0~30	255 300 351	W Ecangle	300~6000 (Minimum step20)	120~1600 (Minimum step20)	R Horizontal L Vertical	A Single cylinder lifting B Single or multiple cylinder swinging	B:Standard Type J:Economic Type	Panasonic Innovace Siemens	750 1500	40	220 380	N(NPN) P(PNP)

Rail Guide Conveying System

Division Slider Synchronous Motion Module

Product Introduction

The rail guide conveying system is powered by servo motor, it can meet various conveying method by controlling the input signal.

Product fixture can be mounted on slider, the floating pin connection between slider and timing belt ensures the smooth transportation of the slider on the straight rail and corrects the internal deviation between slider and curve rail.

The system uses individual positioning unit to ensure location accuracy. The system can transport and locate multiple fixtures, ensuring smooth and high-speed transfer of workpieces between automated equipment workstations.

The characters of rail guide conveying system:

Compact structure, beautiful appearance, stable operation, and no noise.

This circular rail guide conveying system has 25 series and 44 series, every series has two models to fit different conveying radius. It can meet various workpiece sizes and process requirements.

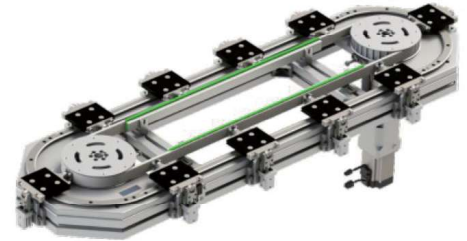
The rail guide is made of high-quality imported bearing steel, which is precision ground and processed by CNC. The working surface is hardened and has excellent durability.

The system can be customized according to product sizes and layout requirements.

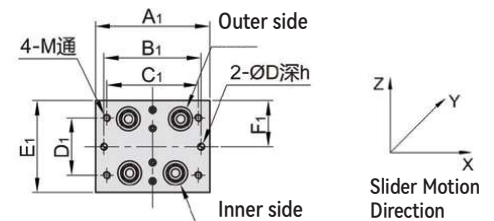
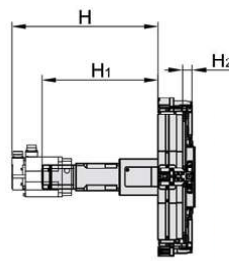
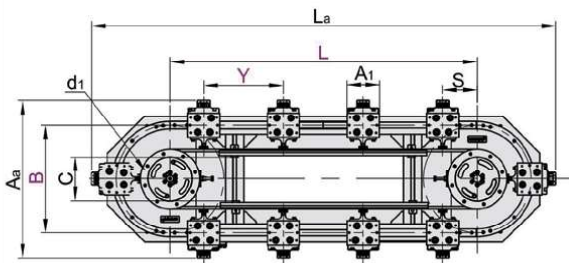
Application:

Mostly used for small and medium-sized product automated assembly and inspection, achieving high-speed transfer of products between workstations.

Used it with pure cam grasping systems to achieve high-speed product transportation and grasping.



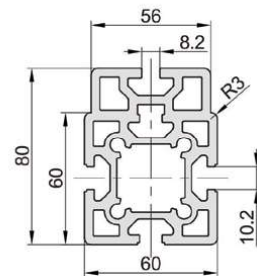
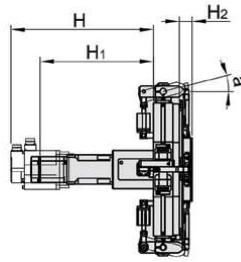
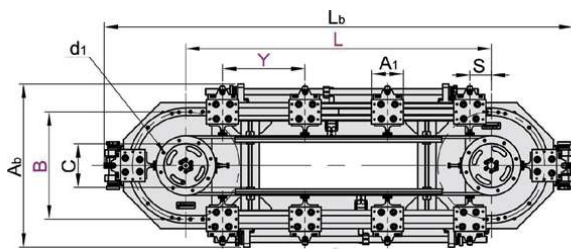
Slider Dimensions



Dimensions of each slider series

Specification	A1	B1	C1	E1	F1	D1	D	h	M
B255	100	85±0.01	80	80	40±0.01	50	6 ^{+0.02} ₀	5	M6
B300	100	85±0.01	80	80	40±0.01	50	6 ^{+0.02} ₀	5	M6
B351	105	90±0.01	85	80	40±0.01	50	6 ^{+0.02} ₀	5	M6
B468	145	125±0.01	120	116	58±0.01	75	8 ^{+0.02} ₀	5	M8
B612	150	130±0.01	125	116	58±0.01	75	8 ^{+0.02} ₀	5	M8

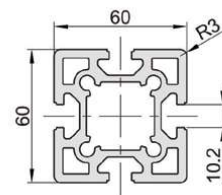
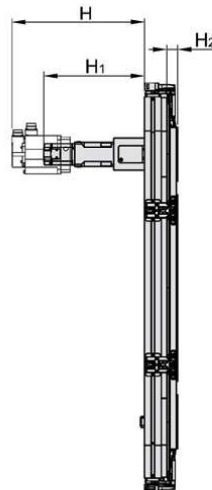
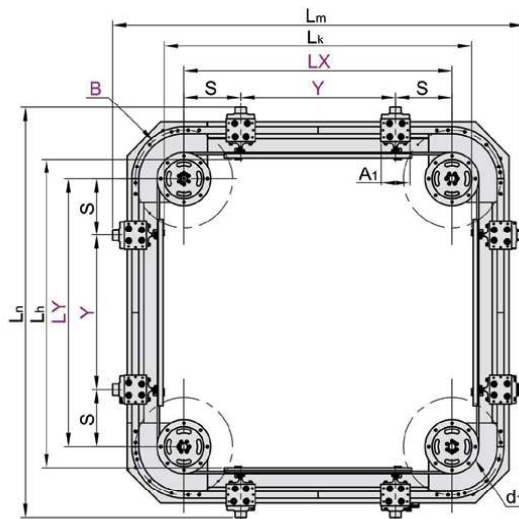
Ring Shape Conveying System(B positioning method)



Rail guide conveying system aluminum profile

High precision customized aluminum profile
(GB/T6892-2015 6080)
can be used with AHC21-4010-M6 nut.

Rectangle Shape Conveying System(A positioning method)



Rail guide conveying system aluminum profile

High precision customized aluminum profile
(GB/T6892-2015 6080)
can be used with AHC21-4010-M6 nut.

Standard View



First View