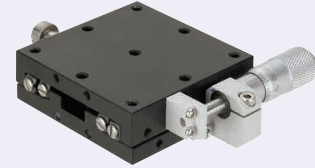


Points on Similar Product Comparison | Travel Accuracy (Straightness) 30µm Parallelism 30µm

Similar Product Pages P.1918

Features: Economical stages with a micrometer head capable of 0.01mm resolution adjustments. Micrometer head position is selectable for X-Axis stages.

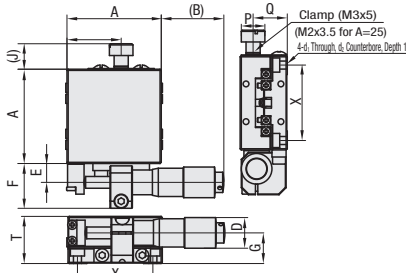
X-Axis



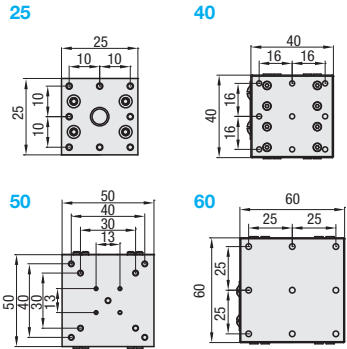
XY-Axis P.1942
Z-Axis P.1967



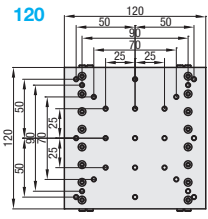
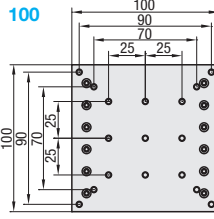
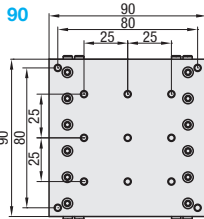
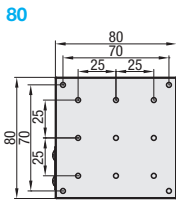
XCRS



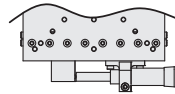
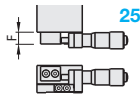
Mounting Hole Dimensions of the Top Table



80, 90, 100, 120 have different plate side shapes. See CAD data for details.



A25 has a different feed bracket configuration.
See the CAD data for details.



A120 micrometer tip shape is different

M Material: Aluminum Alloy
S Surface Treatment: Black Anodize

Part Number	Top View						Front View			Side View					
	A	(B)	Travel Distance (mm)	E	F	(J)	D	G	T	P	Q	X	d1	d2	ℓ
XCRS	25	29	± 3.2	7	11.8	(6.8)	9.5	9.3	15	6	10.5	20	2.4	4.2	2.5
	40	26	± 6.5	8	19	(10.8)	13	13	20	10	14.5	32	3.4	6	3.3
	50	23		8	19	(10.8)	13	13	20	10	14.5	40	3.4	6	3.5
	60	21		8	19	(10.8)	13	13	20	10	14.5	50	4.5	8	4.4
	80	22	± 12.5	8	19	(10.8)	13	13	20	10	14.5	70	4.5	8	4.4
	90	34.8		8	19	(10.8)	13	13	20	10	14.5	80	4.5	8	5.3
	100	20.8		8	19	(10.8)	13	13	20	10	14.5	90	4.5	8	5.3
120	88	± 25	13.5	26	(10.8)	19.1	11	20	10	14.5	100	4.5	8	5.3	

Performance

A	Stage Surface (mm)	Load Capacity (N)		Max. Holding Force (N) (Ref.)	Travel Accuracy		Allowable Moment (N-cm)			Moment Rigidity (N/cm)			Parallelism	Weight (kg)	Unit Price
		Horizontal	Vertical		Straightness	Motion Parallelism	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling			
25	25x 25	9.8	4.9	60	30µm	30µm	1.1	0.8	0.4	3.03	2.85	1.80	50µm	0.04	
40	40x 40	19.6	9.8				2.7	2.2	2.0	0.38	0.42	0.28			
50	50x 50	29.4	14.7				3.5	3.0	3.3	0.20	0.22	0.12			
60	60x 60	49	19.6				5.2	4.3	5.5	0.12	0.11	0.07			
80	80x 80	98	49	70	30µm	30µm	19.2	15.1	17.3	0.05	0.05	0.04	60µm	0.39	
90	90x 90	117.6					25.0	20.0	22.0	0.05	0.05	0.04			
100	100x 100	147					36.0	30.0	33.0	0.06	0.07	0.05			
120	120x 120	196					57.2	44.7	66.7	0.03	0.02	0.01			0.95

Max. Holding Force (Ref.) will vary depending on the tightening torque variations. Ensure adequate safety margins for design.
Micrometer Head Resolution: 10µm/division

Ordering Example: Model (Type, A) XCRS60

Alterations Part Number - (CR, A--etc.)
XCRS40 - CR
XCRS60 - AR

Alterations	Micrometer Head Position				
Spec.	Side Mount - Right/Left Reversed	Center	Center Mount, Right/Left Reversed	Center Mount, Top/Bottom Reversed	Center Mount, Right/Left & Top/Bottom Reversed
Code	CR	A	AR	AZ	AZR

Notes on Vertical Use of X-Axis Stages

The carriage may drop if mounted vertically with the micrometer head pointed down with Standard, CR, A or AR selected. (A load exceeding the spring pull force will cause the carriage to drop.)
The carriage does not drop when mounted vertically with the micrometer head pointed down with AZ or AZR selected. However, do not apply a load exceeding the specified vertical load capacity for X-Axis as it may decrease the accuracy.