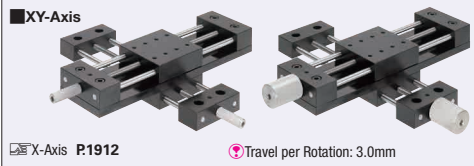


[Simplified Adjustments] XY-Axis, Feed Screw, Large Lead (3.0mm)
Standard/Large Handle Selectable

C-MiSUMI **VALUE** [Standard] XY-Axis Cross Roller / XY-Axis Linear Ball Slide

■Features: 3.0mm lead feed screw stages are combined into XY arrangement. Convenient when rapid feeding characteristic is desired.

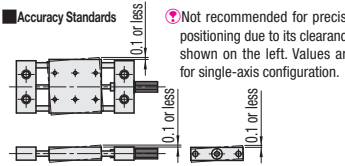
■XY-Axis



ⓧ X-Axis P.1912

🌀 Travel per Rotation: 3.0mm

■Accuracy Standards



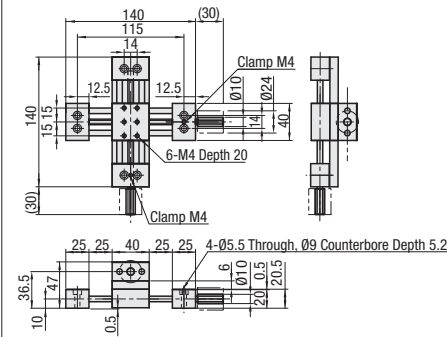
🌀 Not recommended for precise positioning due to its clearance shown on the left. Values are for single-axis configuration.

🌀 One Point

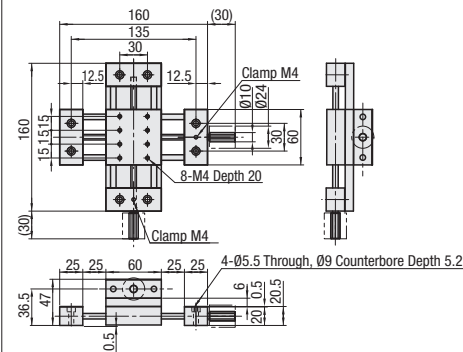
Long stroke moves can be made easily with use of a ball-point hex wrench.

Type		Main Body		Shaft	Knob	Feed Screw	Accessory
Standard Handle	Large Handle	Material	Surface Treatment	Material	Material	Material	
XYKS	XYKSL	Aluminum Alloy	Black Anodize	SUS304	SUS303	SUS304	SCB5-20, 4pcs.

No.40

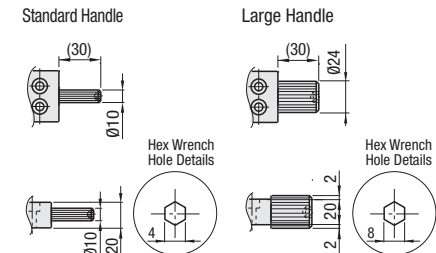


No.60



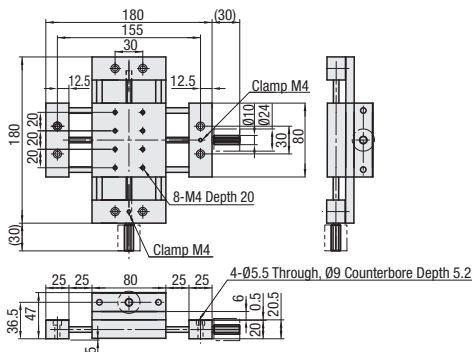
🌀 Do not force the handle to turn past the end of the travel limits as it may cause the handle to come loose.

■Handle Shape Comparisons



🌀 When the large handle is selected, the handle diameter will exceed the end plate height. Please be aware of potential interferences.

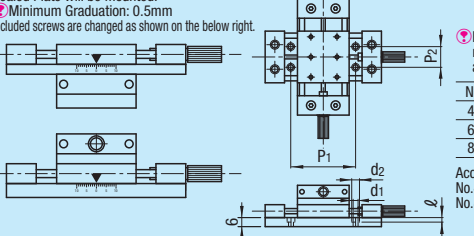
No.80



Part Number		Stage Surface	Travel Distance	Load Capacity	Weight	Unit Price		
Type	No.	Large Handle	(mm)	(mm)	(N)	(kg)	XYKS	XYKSL
(Standard Handle)	40	(Large Handle Top & Bottom)	40x40	±25	62.7	0.66		
XYKS	60	(Large Handle Top only)	60x60	±25	62.7	1.17		
(Large Handle Selection)	80	(Large Handle Bottom only)	80x80	±25	56.8	1.64		
XYKSL								

🌀 Travel per Rotation: 3.0mm

Alterations  Part Number - (MMR, CLC)
XYKSL40A - MMR

Alterations	Mounting of a Scaled Plate on the Stage		Change of Clamp (Knurled Knob)																								
Spec.	Scaled Plate will be mounted. 🌀 Minimum Graduation: 0.5mm Included screws are changed as shown on the below right. 		🌀 MMR alteration will change the mounting hole pitch since a plate is attached to the stage. <table><tr><th>No.</th><th>P1</th><th>P2</th><th>d1</th><th>d2</th><th>ℓ</th></tr><tr><td>40</td><td>65</td><td>14</td><td>4.5</td><td>7.5</td><td>3</td></tr><tr><td>60</td><td>85</td><td>30</td><td>4.5</td><td>7.5</td><td>3</td></tr><tr><td>80</td><td>105</td><td>30</td><td>4.5</td><td>7.5</td><td>3</td></tr></table> Accessory (4 pcs.) No.40:CBSS14-8 No.60:CBSS14-8 No.80:CBSS14-8	No.	P1	P2	d1	d2	ℓ	40	65	14	4.5	7.5	3	60	85	30	4.5	7.5	3	80	105	30	4.5	7.5	3
	No.	P1	P2	d1	d2	ℓ																					
40	65	14	4.5	7.5	3																						
60	85	30	4.5	7.5	3																						
80	105	30	4.5	7.5	3																						
Code	MMR		CLC																								

Points on Similar Product Comparison | Travel Accuracy Straightness: 30µm, Parallelism: 60µm

Similar Product Pages  P.1943,  P.1946

■Features: Economical stages with a micrometer head capable of 0.01mm resolution adjustments.

■XY-Axis Cross Roller

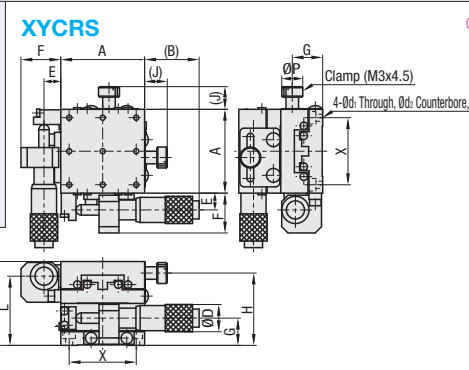


ⓧ X-Axis P.1917

ⓧ Z-Axis P.1967

RoHS 10

XYCRS



🌀 25 Type has different feed bracket configuration.

🌀 A120 micrometer tip shape is different

Material: Aluminum Alloy

Surface Treatment: Black Anodize

Part Number		Top View							Front View					Side View						
TYPE	A	(B)	Travel Distance (mm)	E	F	(J)	D	G	H	L	T	P	Q	X	d ₁	d ₂	ℓ			
XYCRS	25	29	±3.2	7	11.8	(6.6)	9.5	9.3	21.8	24.3	30	6	6.8	20	2.4	4.2	2.5			
	40	26	±6.5	8	19	(10.8)	13	13	34.5	33	40	10	14.5	32	3.4	6	3.3			
	50	23		8	19	(10.8)	13	13	34.5	33	40	10	14.5	40	3.4	6	3.5			
	60	21		8	19	(10.8)	13	13	34.5	33	40	10	14.5	50	4.5	8	4.4			
	80	22		8	19	(10.8)	13	13	34.5	33	40	10	14.5	70	4.5	8	4.4			
	90	34.8	±12.5	8	19	(10.8)	13	13	34.5	33	40	10	14.5	80	4.5	8	5.3			
	100	20.8		8	19	(10.8)	13	13	34.5	33	40	10	14.5	90	4.5	8	5.3			
	120	88		±25	13.5	26	(10.8)	19.1	11	34.5	31	40	10	14.5	100	4.5	8	5.3		

• Performance

A	Stage Surface (mm)	Load Capacity (N)	Travel Accuracy		Moment Load Capacity (N·m)			Moment Rigidity (°/N·cm)			Parallelism	Weight (kg)	Unit Price
			Straightness	Motion Parallelism	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling			
25	25x25	9.8	30µm	60µm	0.4	0.8	0.4	4.83	5.70	4.83	100µm	0.09	
40	40x40	17.6			2.0	2.2	2.0	0.66	0.84	0.66		0.28	
50	50x50	28			3.4	3	3.4	0.35	0.4	0.35		0.36	
60	60x60	44.1			5.2	4.3	5.2	0.19	0.22	0.19		0.48	
80	80x80	93.1			17.3	15.1	17.3	0.09	0.10	0.09	120µm	0.77	
90	90x90	110			22.0	20.0	22.0	0.09	0.10	0.09		1.00	
100	100x100	140			33.0	30.0	33.0	0.11	0.14	0.11		1.20	
120	120x120	180			57.2	44.7	57.2	0.04	0.04	0.04		1.91	

Ordering Example  Part Number
XYCRS60

Points on Similar Product Comparison | Travel Accuracy (Straightness) 10µm

■XY-Axis, Linear Ball Slide

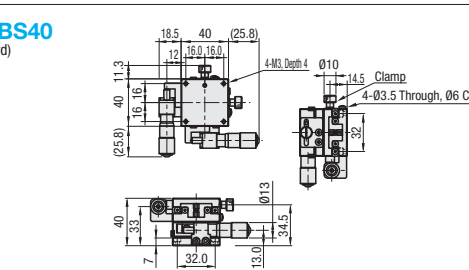


ⓧ X-Axis P.1920

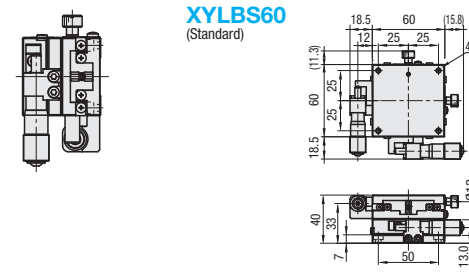
ⓧ Z-Axis P.1965

RoHS 10

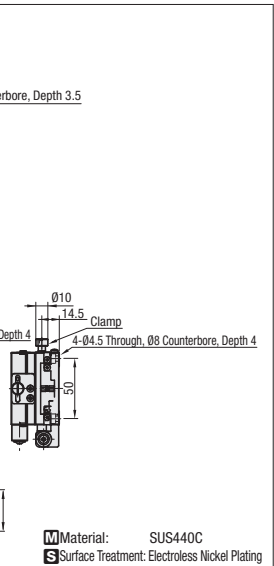
XYLBS40 (Standard)



XYLBS40-CR (Reversed)



XYLBS60 (Standard)



Material: SUS440C

Surface Treatment: Electroless Nickel Plating

🌀 High Precision Stage Existing Product: XYSG (P.1946)

Part Number		Stage Surface	Travel Distance	Load Capacity	Minimum Capacity	Travel Accuracy			Moment Rigidity (°/N·cm)			Parallelism (µm)	Weight (kg)	Included Screw (SUS Hex Socket Low Head Cap Screw)	Unit Price
Type	No.	Micrometer Head Pos.	(mm)	(N)	(N)	Straightness	Pitching	Yawing	Pitching	Yawing	Rolling				
XYLBS	40	No Symbol (Standard)	40x40	95.6	10	10µm	30"	25"	0.59	0.7	0.59	60	0.48	M3-8, 4 pcs.	
	60	CR (Right/Left Reversed)	60x60	191.6	10	10µm	35"	30"	0.15	0.16	0.15		0.88	M4-8, 4 pcs.	

Ordering Example  Part Number
XYLBS40