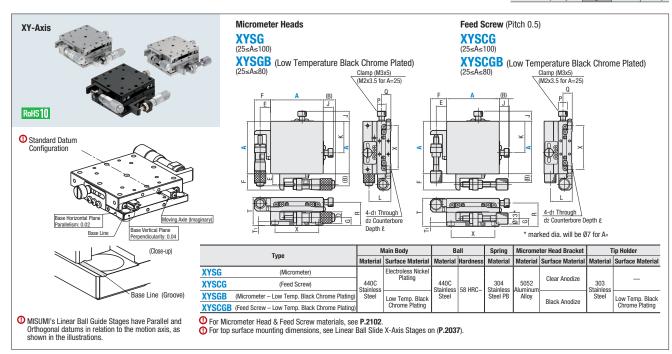
[High Precision] Linear Ball Guide Stages

XY-Axis Micrometer Head / Feed Screw

Travel per Rotation	Small	Medium	Large
Stroke	Short	Medium	Long
Load Capacity	Light	Medium	Heavy



Micrometer Head (XYSG / XYSGB) / Feed Screw (XYSCG / XYSCGB)

Part Numb	er			Top View	N					Front View					Side View						Accessories (4 pcs.)				
Туре	Α	(I	3)	Travel Distance	_	_	EIIK		n	C	D	т	т	D	0		v	ч	ч	0	Tune M.I.				
турс	A	Micrometer	Feed Screw	(mm)	_	_ r	J	, r	ע	u	n	•	'1		ų	<u>-</u>	_ ^	u ₁	a ₂	٠	Type M-L				
XYSG XYSCG	25*	25	11	±3.2	7	9	6.8	15	9.3	7	20.5	24	3.7	6	8.5	19	20	2.5	4.2	2.5	SCB2-4				
	40*	23.5	20			10.5	18.5	26 31 36					4.5				32	3.5	6	3.5	SCB3-6				
XYSGB	50	18.5	15	.0.5	10				31	12	8.9	26.5	26.5 32	4.5		10.5	24.9	40 `	3.5	6	3.5	SCB3-6			
(* only)	60*	14	10.3	±6.5	12	16.5			11.5	11.5	11.5	44.5	44.5	36	13				5	10			50		8
	70	14.5	10.8				11.5	46.5		10	29.5	36	6	10	11.5	28	60	4.5	8	4.5	SCB4-6				
XYSCGB	80*	43.5	10	±12.5*2	17	22*3		55	18	10.8	34.5	40	6.5		14.5	20.0	70	4.5	8	5.3	SCB4-6				
(* only)	100	20 E	E*1	T12.5	17	220		67.5	10	10.0	34.3	40	0.5		14.5	30.8	nn	1	0	E 2	CCD4 C				

1 Ends of Feed Screw knob are at 5mm inside of the carriage edges for XYSCGB and XYSCGB. *2 Stroke of XYSCG80 and 100 is ±6.5mm. *3 When dimension A of Feed Screw Type XYSCG and XYSCGB are 80 or 100, F will be 20.

Performance

Positioning Stages

Part Numbe	r	Stage Surface	Horizontal Load		Travel A	ccuracy		Mon	nent Capacity (1	l· m)	Mom	ent Rigidity ("/l	V·cm)	Parallelism	Weight					
Type	Α	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm) Capacity (N)	Straightness	Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	ratalielisili	(kg)
XYSG	25*	25 x 25	38.2	3 μm	10 µm	30"	25"	2.0	2.0	2.0	3.00	2.20	3.00		0.14					
XYSCG XYSGB	40*	40 x 40	95.2					5.0	5.0	5.0	0.63	0.70	0.63		0.46					
	50	50 x 50	144.2	1	10			6.0	6.8	6.0	0.24	0.28	0.24	0.24 30 μm 0.13	0.56					
(* only)	60*	60 x 60	192.1	1 μm ^{*4}	12 µm	25"	15"	9.0	10.0	9.0	0.13	0.16	0.13		0.80					
	70	70 x 70	219.7			25	15	12.9	13.8	12.9	0.09	0.10	0.09		1.16					
XYSCGB	80*	80 x 80	255.8			17.7	18.2	17.7	0.06	0.08	0.06	40 um	1.80							
(* only)	100	100 x 100	329.6	3 μm	15 µm			30.7	31.8	30.7	0.03	0.04	0.03	40 μιιι	2.66					

- ① XYSG, XYSGB: Micrometer Head Resolution 10 μm/division *1 XYSGB, XYSCGB40 and 60 straightness is 3 μm.
- O Knob Cover HDCVR13 (Sold Separately): Ø13 mm knob diameter can be increased by installing the cover. P.2035
- ① Extension Cover HDEXT13 (Sold Separately): Ø13 mm head or Feed Screw knobs can be extended by installing the cover. P.2035



Part Number

Part Number - (CR / A / H / P / MN)



XYSG40

Position of Micrometer and Feed Screw Reinforced Clamp No Micrometer Head Disc Clamp Left/Right Reversed 40,50,60,70 15.8 10 Applicable to XYSG and XYSGB only. Applicable to XYSG only. (1) Micrometer head and bracket will be removed Not applicable to 80 and 100 Square. Combination with alteration A is not available Not applicable to 25 square. O Since there is a spring inside, the carriage will not be stationary unless the clamp is tightened. Combination with alteration A is not available. The Micrometer shaft is opposed by a screw (M4x25, Pitch 0.5) A disc clamping mechanism that does not apply any Combination with alteration H is not available • When A=25, the dimension will be *. Also, the dimensions will be (B)=30, and G=6 CR

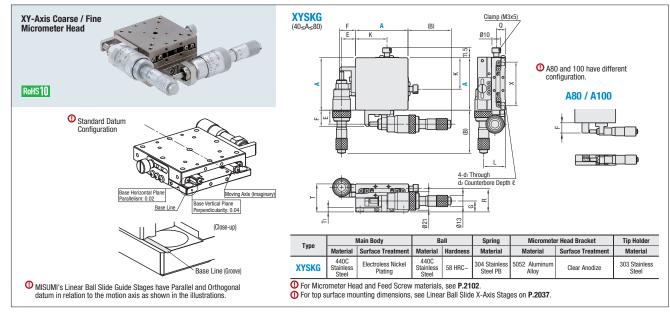
O Standard Stages Similar Products: XYLBS

① For Micrometer Head or Feed Screw mounted in positions other than shown above, see "Specification Selectable Type." (P.2084)

[High Precision] Linear Ball Guide Stages

XY-Axis Coarse / Fine Micrometer Head

Travel per Rotation	Small	Medium	Large
Stroke	Short	Medium	Long
Load Capacity	Light	Medium	Heavy



Part Numb	er		Top	View			Front	View				Side	View			Accessories (4 pcs.)
Type	Α	(B)	E	F	K	G	R	T	T ₁	Q	L	Х	d ₁	d ₂	Ł	Type M-L
	40	60			26	44.0			4.5		07.0	32	0.5	_	0.5	0000.0
	50	55	16	18.5	31	11.6	26.5	32	4.5	10.5	27.6	40	3.5	Ь	3.5	SCB3-6
XYSKG	60	50	10	16.5	36	11.4			5		27.4	50			4	
	70	50.5			46.5	12.5	29.5	36	6	11.5	30.5	60	4.5	8	4.5	SCB4-6
	80	49.5	17	25	55	10.8	34.5	40	6.5	14.5	30.8	70]		5.3]

Performance

Ciloiillaii	UU															
Part Numbe	r	Stage	Travel	Horizontal		Accur	асу		Moment	Load Capac	ity (N°m)	Momen	t Rigidity ("	/N•cm)		Weight
Туре	Α	Surface (mm)	Distance (mm)	Load Capacity (N)	Straightness	Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	Parallelism	(kg)
	40	40 x 40		95.2					5.0	5.0	5.0	0.63	0.70	0.63		0.44
	50	50 x 50	Coarse	144.2	4	10			6.0	6.8	6.0	0.24	0.28	0.24	00	0.54
XYSKG	60	60 x 60	±6.5mm	192.1	1 μm	12 µm	25"	15"	9.0	10.0	9.0	0.13	0.16	0.13	30 µm	0.78
	70	70 x 70	Fine Feed 0.2 mm	219.5		3 um 15 um			12.9	13.8	12.9	0.09	0.10	0.09		1.14
	80	80 x 80		255.8	3 um				17.7	18.2	17 7	0.06	0.08	0.06	40 um	1 78

O Coarse / Fine Micrometer Head Resolution Coarse:10 μm, Fine: 0.5 μm



Part Number



Part Number | - (CR, A , H)

Alterations	Position of Micromete	r Head and Feed Screw	Reinforced Clamp						
Spec.	Side Mount – Right / Left Reversed	Center	A J ₁ P ₁ 40,50,60,70 15.8 10 80 14.8 15 Combination with alteration A is not available. A disc clamping mechanism that does not apply loads on the stage surface. Better position holding performance than the standard clamping method.						
Code	CR	A	H						

- Mounting dimensions of Micrometer Head. Feed Screw and clamp are different from those of standard products. See the CAD data for details.
- 1 For Micrometer Head or Feed Screw mounted in positions other than shown below, see "Specification Selectable Type." P.2084
- O Knob cover HDCVR13 (Sold separately): Ø13 knob diameter can be increased by installing the cover. P.2035
- ① Extension cover HDEXT13 (Sold separately): Ø13 mm head or Feed Screw knobs can be extended by installing the cover. P.2035