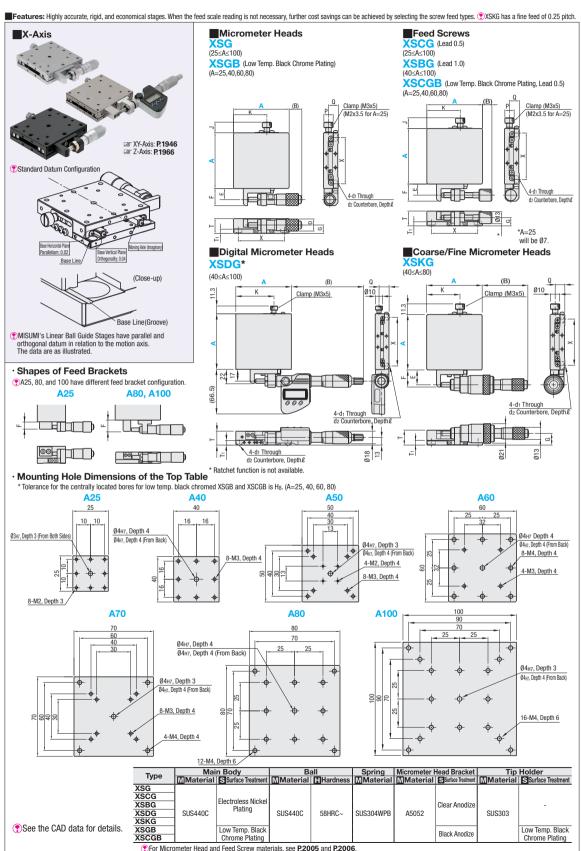
## [High Precision] X-Axis, Linear Ball Slide

Micrometer Heads / Feed Screws / Digital Micrometer Heads / Coarse/Fine Micrometer Heads



Micrometer Head (XSG, XSGB) / Feed Screw (XSCG, XSBG, XSCGB) (Standard Stages Similar Products (available for limited sizes only): XLBS (P.1920)

Part Number	er			Top View					Front View				Side View						Accessory (4 pcs.)
Туре	Α	(B) Micrometer   Feed Screw		Travel Distance (mm)	E	F	J	к	D	G	Т	T1	Р	Q	Х	d1	d <sub>2</sub>	l	TypeM-L
XSG XSCG	25*	25	11	±3.2	7	9	6.8	15	9.3	7	12	3.7	6	8.5	20	2.5	4.2	2.5	SCB2-4
	40*	23.5	20	±6.5	12	18.5	11.3	26	13	8.9	16	4.5	10	10.5	32	3.5	6	3.5	SCB3-6
XSBG	50	18.5	15		12	18.5	11.3	31	13	8.9	16	4.5	10	10.5	40	3.5	6	3.5	SCB3-6
(40≤A≤100)	60*	13.5	10	±0.5	12	18.5	11.3	36	13	8.9	16	5	10	10.5	50	4.5	8	4	SCB4-6
XSGB (* only)	70	14	10.5		12	18.5	11.3	46.5	13	10	18	6	10	11.5	60	4.5	8	4.5	SCB4-6
XSCGB (* only)	80*	43.5	10	±12.5 <sup>(*1)</sup>	17	22(*3)	11.3	55	18	10.8	20	6.5	10	14.5	70	4.5	8	5.3	SCB4-6
	100	28.5	-5(*2)	±12.5	17	22(*3)	11.3	67.5	18	10.8	20	6.5	10	14.5	90	4.5	8	5.3	SCB4-6

(\*1) Stroke of XSCG80/100, XSBG80/100, XSGG8080 is ±6.5mm. (\*2) Ends of feed Screw knob are at 5mm inside of the carriage edges for XSCG and XSBG. (\*3) When dimension A of Feed Screw Type XSCG, XSBG, XSCGB is 80 or 100, F will be 20.

· Performance

Part Number		Stage Surface	Load Capacity (N) Travel Acc		curacy Momen			oment Load Capacity (N·m) Mo					Weight (kg)		Unit Price							
Type	Α	(mm)	Horizontal	Vertical	Straightness	Motion Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	raiditisiii	Micrometer	Feed Screw	XSG	XSCG	XSBG	XSGB	XSCGB
XSG XSCG	25*	25x25	39.2	9.8	3µm	10µm	30"	25"	2.0	2.0	3.5	1.9	1.1	1.1	30µm	0.07	0.07			-		
	40*	40x40	98			7μm	25"	15"	5.0	5.0	5.0	0.42	0.35	0.21		0.23	0.23					
XSBG	50	50x50	147		1µm				6.8	6.8	6.0	0.15	0.14	0.09	15um	0.28	0.28				-	-
	60*	60x60	196	49	(*4)				10.0	10.0	9.0	0.08	0.08	0.05	ТЭДІП	0.40	0.40					
(40≤A≤100) XSGB (* only) XSCGB (* only)	70	70x70	225.4	49					13.8	13.8	12.9	0.06	0.05	0.03		0.58	0.58				-	-
	80*	80x80	264.6		3µm	8µт			18.2	18.2	17.7	0.04	0.04	0.02	20um	0.90	0.84					
	100	100x100	343						31.8	31.8	30.7	0.02	0.02	0.01	ZUμIII	1.33	1.27				-	-

• XSG, XSGB Micrometer Head Resolution: 10µm/division (\*4) Straightness of XSGB and XSCGB40/60 is 3µm

## Digital Micrometer Heads (XSDG) / Coarse/Fine Micrometer Head (XSKG)

Part Numb	er	Top View								Front View				Accessory (4 pcs.)			
Туре	Α	)	(SDG	)	XSKG _		-	K	G		т.	_	v	d1	d <sub>2</sub>	0	TypeM-L
	_ ^	(B)	Travel Distance (mm)	(B)	Travel Distance (mm)	-		Ι.	u	'		~	^	ui	uz	Ł	TypeW-L
	40	121.5		60		16	18.5	26	11.6	16	4.5	10.5	32	3.5	6	3.5	SCB3-6
XSDG	50	116.5	±6.5	55	Coarse Feed ±6.5 Fine Feed 0.2	16	18.5	31	11.6	16	4.5	10.5	40	3.5	6	3.5	SCB3-6
	60	111.5	±0.5	50		16	18.5	36	11.4	16	5	10.5	50	4.5	8	4	SCB4-6
XSKG	70	112		50.5		16	18.5	46.5	12.5	18	6	11.5	60	4.5	8	4.5	SCB4-6
(40≤A≤80)	80	104	±12.5	49.5		17	25	55	10.8	20	6.5	14.5	70	4.5	8	5.3	SCB4-6
(	100	89	±12.5	-		-	-	67.5	-	20	6.5	14.5	90	4.5	8	5.3	SCB4-6

## · Performance

	Part Number		Stage Surface				Travel Ac			Diaghter L	.oad Capa	CITY (IN·III)	woment	Rigidity	("/N·CIII)	Davelleliem	vveigr		Unit	
	Type	Α	(mm)	Horizontal	Vertical	Straightness	Motion Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	Parallelisiii	XSDG	XSKG	XSDG	XSKG
		40	40x40	98	40		7µт	25"		5.0	5.0	5.0	0.42	0.35	0.21		0.43	0.30		
	XSDG	50	50x50	147		1um			5" 15"	6.8	6.8	6.0	0.15	0.14	0.09	15um	0.48	0.35		
		60	60x60	196		THIT				10.0	10.0	9.0	0.08	0.08	0.05	тэрш	0.60	0.47		
	XSKG	70	70x70	225.4	49					13.8	13.8	12.9	0.06	0.05	0.03		0.78	0.65		
	(40≤A≤80)	80	80x80	264.6	1	3um	8um			18.2	18.2	17.7	0.04	0.04	0.02	20µm	1.10	0.97		
		100	100x100	343	1	ομιιι	оµп			31.8	31.8	30.7	0.02	0.02	0.01		1.53	-		-

TXSKG: Coarse / Fine Micrometer Head Coarse Resolution 10μm, Fine Resolution 0.5μm XSDG: Digital Micrometer Head Resolution 1μm

Nob Cover HDCVR13 (Sold Separately): Ø13 micrometer knob diameter can be increased by installing the cover. P P2004

Federal of Expension Cover HDEXT13 (Sold Separately): Feed knob of Ø13 micrometer head and feed screw can be extended. P P2004

Ordering Part Number Example XSG80





Alterations	Position of Mi	icrometer Head an	d Feed Screw	Reinfo	rced Clamp	No Micrometer Head
Spec.	Side Mount, Right/Left Reversed	Not applicable to XSGB.		Disc Clamp  A Ji Pi 40 60 15.8 10 70 80 14.8 15 80 A disc clamping method that does not apply loads on the stage surface. Better position holding performance than the standard clamping method.	A (B1)  25 17.5 40 24.5 50 19.5 60 14.5 70 14.0  Applicable to XSG only.  Rhot applicable to SSG only.  Rhot applicable on combination with atterations (2 and A The Side Argument of the State Argume	Micrometer head and bracket
Code	CR	CZ	A	H	P	MN

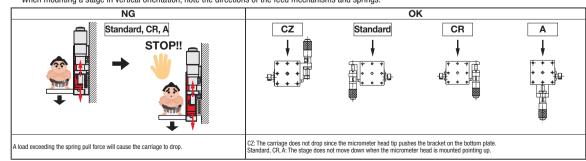
\*5 CZ: The micrometer head or the feed screw will be mounted on the top table (mounted on the bottom plate for Standard Type).

For micrometer head or feed screw mounted in positions other than shown below, see "Specification Selectable Type" (P.1989).

For 25 Square Opposed Clamp, the bracket material is SUSSO).

## ■Vertical Use of X-Axis Stages

When mounting a stage in vertical orientation, note the directions of the feed mechanisms and springs.



Thowever, do not apply a load exceeding the specified vertical load capacity.