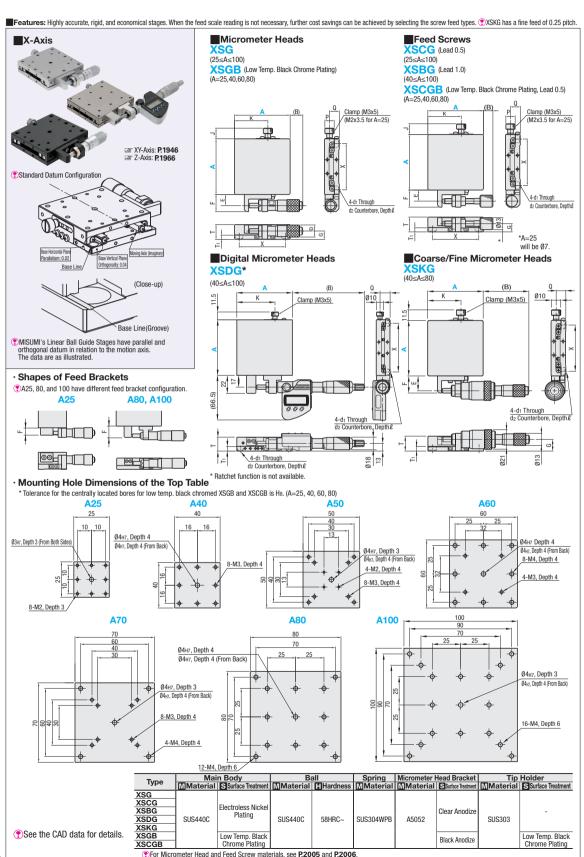
## [High Precision] X-Axis, Linear Ball Slide

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 Numb	Top View	V Front View					Side View						Accessory (4 pcs.)						
Type	Α	Micrometer (I	9)	Travel Distance (mm)	E	F	J	K	D	G	Т	T1	Р	Q	х	d1	d <sub>2</sub>	l	TypeM-L
XSG	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
XSCG	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
	60*	13.5	10		12	18.5	11.3	36	13	8.9	16	5	10	10.5	50	4.5	8	4	SCB4-6
(40≤A≤100)	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
XSGB (* only)	80*	43.5	10	±12.5(*1)	17	22(*3)	11.3	55	18	10.8	20	6.5	10	14.5	70	4.5	8	5.3	SCB4-6
XSCGB (* only)	100	28.5	-5 <sup>(*2)</sup>	±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 XSC680/100, XSG680/100, XSG680 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, XSGG, is 80 or 100, F will be 20.

Part Number		Stage Surface	Load Capacity (N) Travel Accur				racy Moment Load Capacity (N·m)				Moment Rigidity ("/N·cm)			Davidalian	Weight (kg)							
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"		5.0	5.0	5.0	0.42	0.35	0.21		0.23	0.23					
	50	50x50	147		1µm (*4)			15"	6.8	6.8	6.0	0.15	0.14	0.09	15um	0.28	0.28				-	-
XSBG	60*	60x60	196	49					10.0	10.0	9.0	0.08	0.08	0.05	тэµпп	0.40	0.40					
(40≤A≤100)	70	70x70	225.4	49			23	10	13.8	13.8	12.9	0.06	0.05	0.03		0.58	0.58				-	-
XSGB (* only) XSCGB (* only)	80*	80x80	264.6		2117	8µт			18.2	18.2	17.7	0.04	0.04	0.02	20µm	0.90	0.84					
	100	100x100	343		3µm				31.8	31.8	30.7	0.02	0.02	0.01		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 Number					Top View					ront Viev	w			Accessory (4 pcs.)			
Туре		XSDG		XSKG		_	-	v	_	-	т.	_	~	d1	d <sub>2</sub>	0	TypeM-L
	А	(B)	Travel Distance (mm)	(B)	Travel Distance (mm)	-	Г	_ ^	u u			٧	^	ui	uz	Ł	
	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	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	11.6	16	5	10.5	50	4.5	8	4	SCB4-6
XSKG	70	112		50.5	Fine Feed 0.2	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	11	20	6.5	14.5	70	4.5	8	5.3	SCB4-6
	100	89		-		-	-	67.5	-	20	6.5	14.5	90	4.5	8	5.3	SCB4-6

## · Performance

	Part Number		Stage Surrace				Iravel Acc			Moment L	.oad Capa	CITY (N·m)	Moment	Rigidity	("/N·cm)	Davelleliem	weigr		Unit	
	Type	Α	(mm)	Horizontal	Vertical	Straightness	Motion Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	rarallelisili	XSDG	XSKG	XSDG	XSKG
		40	40x40	98		1	7µт	25"		5.0	5.0	5.0	0.42	0.35	0.21		0.43	0.30		
	XSDG	50	50x50	147	1				15"	6.8	6.8	6.0	0.15	0.14	0.09	15	0.48	0.35		
		60	60x60	196	40	1µm				10.0	10.0	9.0	0.08	0.08	0.05	15µm	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	ομιιι			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 XSDG: Digital Micrometer Head Resolution 1µm

Nob Cover HDCVR13 (Sold Separately): Ø13 micrometer knob diameter can be increased by installing the cover. 🗷 P.2004 Extension Cover HDEXT13 (Sold Separately): Feed knob of Ø13 micrometer head and feed screw can be extended. DE P2004

dering Part Number



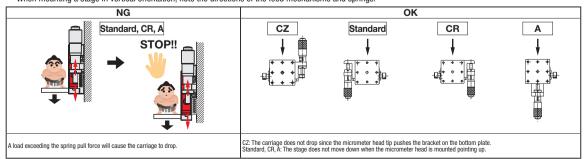


Alterations	Position of M	icrometer Head an	d Feed Screw	F	Reinfo	rced Clamp	No Micrometer Head
Spec.	Side Mount, Right/Left Reversed	Top/Bottom Reversed * 5	Center	40 50 15 60 70	hod that s on the position than the	vibration resistance and has secure position holding performance.	
Code	CR	CZ	Α	H		P	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 SUS303.

## ■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.