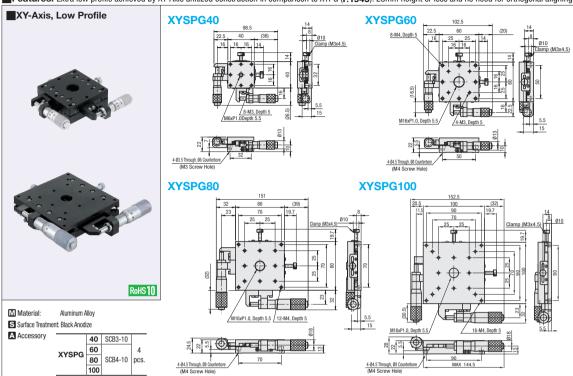
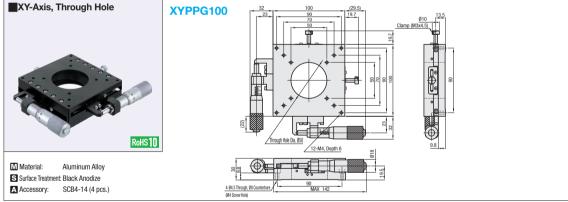
[High Precision] Cross Roller

Low Profile / Through Hole

Features: Extra low profile achieved by XY-Axis unitized construction in comparison to XYPG (P.1943). 28mm height or less and no need for orthogonal aligning.



Features: There is a Ø50 through hole in the stage center. Useful for illuminating from directly below.



Standard Stages Similar Products (available for limited sizes only): XYCRSC (P.1944)

				•		**	,	,										
Part Number		Stage Surface	Travel Distance	Load Capacity	d	Travel A	ccuracy		Moment Load Capacity (N · m)			Moment	"/N · cm)	Parallelism	Weight	Unit Price		
	Type	No.	(mm)	(mm)	(N)	Straightness	Motion Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	Parallelisili	(kg)	Unit Price
		40	40x40	±6.5	9.8					0.7	0.8	0.7	0.57	0.50	0.64		0.2	
	XYSPG	60	60x60	±0.5	29.4	3um	20um	40"	20"	2.3	1.9	2.3	0.19	0.13	0.15	50um	0.4	
	ATOPU	80	80x80	±12.5	39.2	ομιιι	Ζυμιιι	40	20	5.1	4.2	5.1	0.13	0.13	0.11	оодии [0.7	
		100	100x100	±12.0	39.2					5.1	4.2	5.1	0.08	0.10	0.08		1.1	
	XYPPG	100	100v100	+12.5	63.7	3um	20um	25"	15"	4.6	3.0	4.6	0.07	0.08	0.10	50um	1.0	

Alterations Part Number - (CR, A)

Micrometer Head Resolution: 10um/division



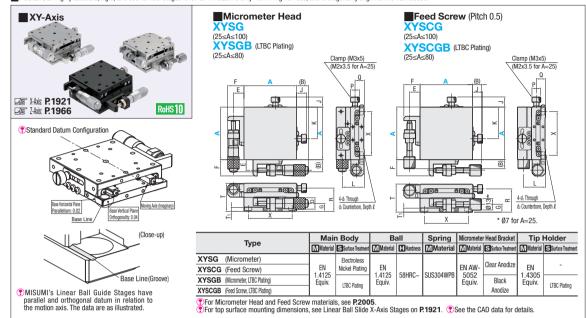
Alterations	Micromete	er Position	
Spec.	Side Mount - Right / Left Reversed	Center	
Code	CR	Α	•

- Mounting dimensions of micrometer head, feed screw and clamp are different from those of standard products. See the CAD data for details.
- Knob Cover HDCVR13 (Sold Separately): Ø13 micrometer knob can be increased in diameter by installing the cover. ☑ P.2004
- ©Extension Cover HDEXT13 (Sold Separately): Ø13 micrometer head knob can be extended.

[High Precision] Linear Ball

Micrometer Head / Feed Screw

Features: Highly accurate, rigid, and economical stages. Even an XY stack is only 40mm high or less, and orthogonality alignment is not needed.



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

Part Number				Top Vi	iew					Fi	ront Vie	w				Si	de Vie	w			Accessory (4 pcs.)
Туре	Α	(1	B)	Travel Distance	_	-		V		G	В	-	т.	В			_	d ₁	d ₂	0	Type M-L
Type	A	Micrometer	Feed Screw	(mm)	-	-	"	- 1	ט	u	n	•			ų,	_	^	ui	uz	, k	Type IVI-L
XYSG	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
XYSCG	40*	23.5	20		12			26		8.9	26.5	32	4.5		10.5	24.9	32	3.5	6	3.5	SCB3-6
	50	18.5	15	±6.5		18.5		31	10								40	3.5	6	3.5	SCB3-6
XYSGB	60*	14	10.3	±0.5	12	18.5	11.3	36	13				5	10			50		8	4	SCB4-6
(* only)	70	14.5	10.8				11.3	46.5	6.5	10 29.5	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	30.8	70	4.5	8	5.3	SCB4-6
(* only)	100	28.5	-5*1	±12.5	17	22		67.5	10	10.0	34.3	40	0.5		14.5	30.0	90		8	5.3	SCB4-6

*1. Ends of feed screw knob are at 5mm inside of the carriage edges for XYSCG 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

Part Number		Stage Surface						Moment L	oad Capa		Moment Rigidity ("/N · cm)			Parallelism	Weight	Unit Price			
Type	Α	(mm)	(N)	Straightness	Motion Parallelism	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling	Parallelisili	(kg)	XYSG	XYSCG	XYSGB	XYSCGB
XYSG	25*	25x25	38.2	3µm	10µm	30"	25"	2.0	2.0	2.0	3.00	2.20	3.00		0.14				
XYSCG	40*	40x40	95.1			25"	15"	5.0	5.0	5.0	0.63	0.70	0.63	30µm 0.56 0.80 1.16	0.46				
	50	50x50	144.1	444	12µm			6.0	6.8	6.0	0.24	0.28	0.24		0.56			-	-
XYSGB	60*	60x60	192.1	- 1μm** -				9.0	10.0	9.0	0.13	0.16	0.13		0.80				
(* only)	70	70x70	219.5					12.9	13.8	12.9	0.09	0.10	0.09		1.16			-	-
XYSCGB	80*	80x80	255.8	2	15	1		17.7	18.2	17.7	0.06	0.08	0.06		1.80				
(* only)	100	100x100	329.6	3µm	15µm			30.7	31.8	30.7	0.03	0.04	0.03		2.66			-	-

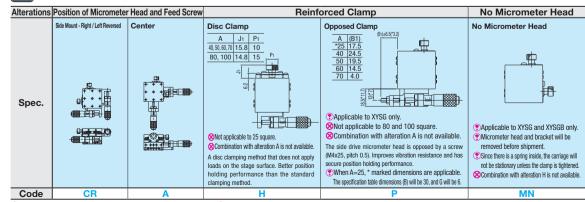
• XYSG, XYSGB Micrometer Head Resolution: 10µm/division *4. XYSGB, XYSCGB40 and 60 straightness is 3µm



- Knob Cover HDCVR13 (Sold Separately): Ø13 micrometer head knobs can be increased in diameter by installing the cover.
 • P2004
- © Extension Cover HDEXT13 (Sold Separately): Feed knob of Ø13 micrometer head and feed screw can be extended.

 P.2004





- TFor 25 Square Opposed Clamp, the bracket material is EN 1.4305 Equiv. Standard Stages Similar Products: XYLBS (P.1942)
- When Position Change Alteration is selected, mounting dimensions of micrometer head, feed screw and clamp are different from those of standard products. See the CAD data for details.
- To micrometer head or feed screw mounted in positions other than shown below, see "Specification Selectable Type" (P.1989).