

[High Precision] Combination Stages

■ **Features:** Lightweight XYZ-Axis Cross Roller Stages made of aluminum alloy. Choose from combinations of XY-Axis profile heights and Z-axis stroke requirements.

■ Combination Stages



XYZPG



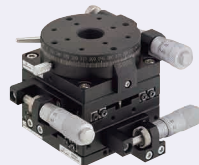
XYZLPG



XYZLSPG

■ **Features:** Combination Stages of Cross Roller as the base and Rotary/Goniometer Stages.

■ Combination Stages



①XYRPG



③XYRSPG



②XYZLRPG



④XYZLRSPG

☞ XY-Axis and Rotary Stage integrated P1991

RoHS10

Part Number		Stage Configuration		Stage Surface	External Dimension (mm)			Travel Distance (mm)			Load Capacity	Weight	Unit Price
Type	No.	Bottom	Top	(mm)	W	D	H	X	Y	Z	(N)	(kg)	
XYZPG	40	XYPG40 (P.1943)	ZPG40 (P.1968)	40x40	84.5	77.5	173.5	±6.5	±6.5	±6.5	9.8	0.48	
	60	XYPG60 (P.1943)	ZPG60 (P.1968)	60x60	98.5	91.5	178.5				19.6	0.95	
	80	XYPG80 (P.1943)	ZPG80 (P.1968)	80x80	149.5	143.5	236				±12.5	±12.5	±12.5
XYZLPG	40	XYPG40 (P.1943)	ZLPG40 (P.1973)	40x40	96	77	80	±6.5	±6.5	±3.0	9.8	0.48	
	60	XYPG60 (P.1943)	ZLPG60 (P.1973)	60x60	115	92	95				39.2	1.12	
	80	XYPG80 (P.1943)	ZLPG80 (P.1973)	80x80	150	135	95				±12.5	±12.5	±5.0
XYZLSPG	40	XYSPG40 (P.1945)	ZLPG40 (P.1973)	40x40	100	81	62	±6.5	±6.5	±3.0	7.8	0.40	
	60	XYSPG60 (P.1945)	ZLPG60 (P.1973)	60x60	119	97	77				23.5	1.00	
	80	XYSPG80 (P.1945)	ZLPG80 (P.1973)	80x80	151	102	77				±12.5	±12.5	±5.0

☞ For detailed dimensions, material and characteristics, see the CAD data and the catalog page for each stage.

☞ For included screw sizes, see the pages for the bottom stages.

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

☞ Extension Cover HDEXT13 (Sold Separately): Ø13 micrometer head knob can be extended. ☞ P2004

Combinations of Cross Roller stages listed in this catalog.

Part Number		Stage Configuration			Stage Surface	External Dimension (mm)			Travel Distance (mm)			Load Capacity	Weight	Unit Price
Type	No.	Bottom	Middle	Top	(mm)	W	D	H	X	Y	Z	(N)	(kg)	
①XYRPG (XY-Axis + Rotary)	38	XYPG40 (P.1943)	RPG38 (P.1982)	-	Ø38	85	84	60	±6.5	±6.5	-	Coarse 360° Fine Feed ±5°	9.8	0.37
	60	XYPG60 (P.1943)	RPG60 (P.1982)	-	Ø60	99	98	65	±6.5	±6.5	-	29.4	0.78	
	85	XYPG80 (P.1943)	RPG80 (P.1982)	-	Ø85	150	137	65	±12.5	±12.5	-	39.2	1.48	
②XYZLRPG (XY-Axis + Horizontal Surf. Z-Axis + Rotary)	38	XYPG40 (P.1943)	ZLPG40 (P.1973)	RPG38 (P.1981)	Ø38	96	84	100	±6.5	±6.5	±3.0	Coarse 360° Fine Feed ±5°	8.9	0.57
	60	XYPG60 (P.1943)	ZLPG60 (P.1973)	RPG60 (P.1981)	Ø60	115	98	120	±6.5	±6.5	±5.0	29.4	1.40	
	85	XYPG80 (P.1943)	ZLPG80 (P.1973)	RPG85 (P.1981)	Ø85	150	137	120	±12.5	±12.5	±5.0	24.7	2.48	
③XYRSPG (Low Profile XY-Axis + Rotary)	38	XYSPG40 (P.1945)	RPG38 (P.1982)	-	Ø38	99	84	42	±6.5	±6.5	-	Coarse 360° Fine Feed ±5°	8.8	0.29
	60	XYSPG60 (P.1945)	RPG60 (P.1982)	-	Ø60	103	101	47	±6.5	±6.5	-	26.4	0.68	
	85	XYSPG80 (P.1945)	RPG80 (P.1982)	-	Ø85	151	132	47	±12.5	±12.5	-	34.3	1.18	
④XYZLRSPG (Low Profile XY-Axis + Horizontal Surf. Z + Rotary)	38	XYSPG40 (P.1945)	ZLPG40 (P.1973)	RPG38 (P.1981)	Ø38	100	84	82	±6.5	±6.5	±3.0	Coarse 360° Fine Feed ±5°	6.8	0.49
	60	XYSPG60 (P.1945)	ZLPG60 (P.1973)	RPG60 (P.1981)	Ø60	119	101	102	±6.5	±6.5	±5.0	20.6	1.28	
	85	XYSPG80 (P.1945)	ZLPG80 (P.1973)	RPG85 (P.1981)	Ø85	151	132	102	±12.5	±12.5	±5.0	22.5	2.18	

☞ For detailed dimensions, material and characteristics, see the CAD data and the catalog page for each stage.

☞ For included screw sizes, see the pages for the bottom stages.

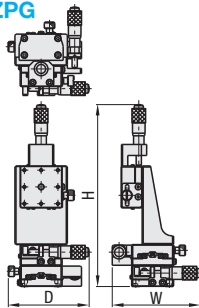
☞ Knob Cover HDCVR13 (Sold Separately): Ø13 micrometer knob can be increased in diameter by installing the cover. ☞ P2004

☞ Extension Cover HDEXT13 (Sold Separately): Ø13 micrometer head knob can be extended. ☞ P2004

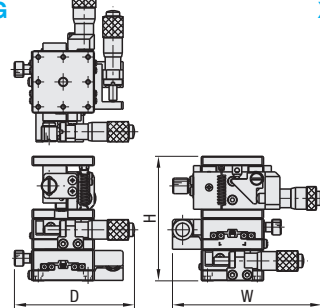


Ordering
Example
Part Number
XYZPG38

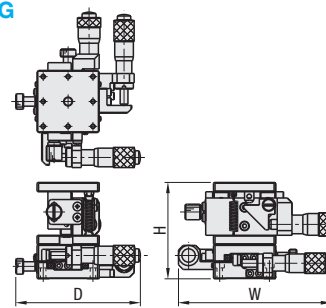
■ XY+Z
XYZPG



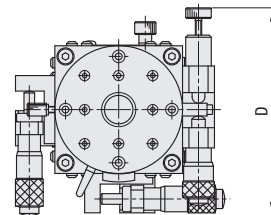
■ XY + Horizontal Surface Z-Axis
XYZLPG



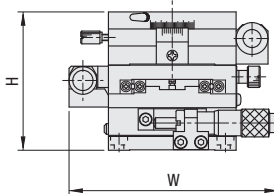
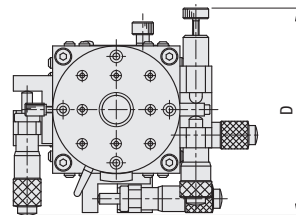
■ Low Profile XY-Axis + Horizontal Surface Z-Axis
XYZLSPG



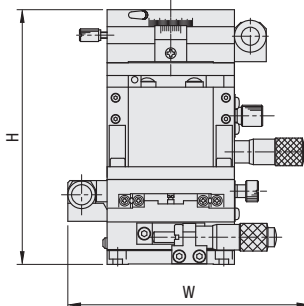
■ ①XYRPG
(XY-Axis + Rotary)



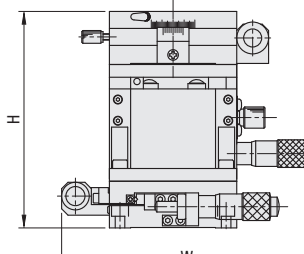
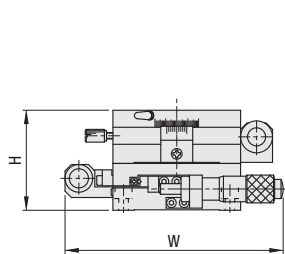
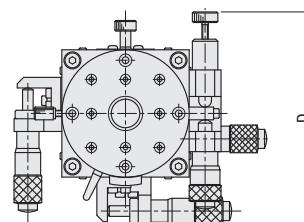
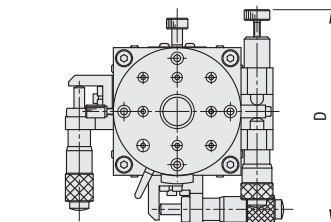
■ ②XYZLRPG
(XY-Axis + Horizontal Surf. Z-Axis + Rotary)



■ ③XYRSPG
(Low Profile XY-Axis + Rotary)



■ ④XYZLRSPG
(Low Profile XY-Axis + Horizontal Surf. Z-Axis + Rotary)



☞ The shapes are different depending on the size. See details on CAD data.