

[High Precision] Combined Stages

Combination Stages

XY + Z
XYZPG-H



XY + Horizontal Surface Z-Axis
XYZLPG-H



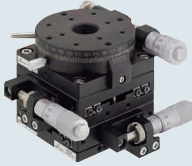
Low Profile XY-Axis + Horizontal Surface Z-Axis
XYZLSPG-H



RoHS10

Combination Stages

(1) XYRPG-H
(XY-Axis + Rotary)



(2) XYZLRPG-H
(XY-Axis + Horizontal Surface Z-Axis + Rotary)



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



(4) XYZLRSPG-H
(Low Profile XY-Axis + Horizontal Surface Z-Axis + Rotary)



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

Part Number		Stage Configuration		Stage Surface (mm)	External Dimensions (mm)			Travel Distance (mm)			Load Capacity (N)	Weight (kg)
Type	No.	Bottom	Top		W	D	H	X	Y	Z		
XYZPG(No.)-H	40	YYPG40 (P.2056)	ZPG40 (P.2068)	40 x 40	84.5	77.5	173.5	±6.5	±6.5	±6.5	9.8	0.48
	60	YYPG60 (P.2056)	ZPG60 (P.2068)	60 x 60	98.5	91.5	178.5				19.6	0.95
	80	YYPG80 (P.2056)	ZPG80 (P.2068)	80 x 80	149.5	143.5	236				49.0	1.80
XYZLPG(No.)-H	40	XYPG40 (P.2056)	ZLPG40 (P.2070)	40 x 40	96	77	80	±6.5	±6.5	±3.0	9.8	0.48
	60	XYPG60 (P.2056)	ZLPG60 (P.2070)	60 x 60	115	92	95				39.2	1.12
	80	XYPG80 (P.2056)	ZLPG80 (P.2070)	80 x 80	150	135	95				29.4	2.00
XYZLSPG(No.)-H	40	XYSPG40 (P.2057)	ZLPG40 (P.2070)	40 x 40	100	81	62	±6.5	±6.5	±3.0	7.8	0.40
	60	XYSPG60 (P.2057)	ZLPG60 (P.2070)	60 x 60	119	97	77				23.5	1.00
	80	XYSPG80 (P.2057)	ZLPG80 (P.2070)	80 x 80	151	102	77				29.4	1.70

- For detailed dimensions, material and characteristics, see the catalog page for each stage.
- For included screw sizes, see the pages for the bottom stages.
- Knob Cover HDCVR13 (Sold Separately): increases diameter of Ø 13 mm knob. P.2035
- Extension Cover HDEXT13 (Sold Separately): extends Ø 13 mm head knobs. P.2035

Combinations of Cross Roller stages listed in this catalog.

Part Number		Stage Configurations			Stage Surface (mm)	External Dimensions (mm)			Distance/Rotation (mm/deg)				Load Capacity (N)	Weight (kg)
Type	No.	Bottom	Middle	Top		W	D	H	X	Y	Z	θ		
(1) XYRPG(No.)-H (XY-Axis + Rotary)	38	YYPG40 (P.2056)	RPG38 (P.2097)	—	Φ38	85	84	60	±6.5	±6.5	—	Coarse 360° Fine Feed ±5°	9.8	0.37
	60	YYPG60 (P.2056)	RPG60 (P.2097)	—	Φ60	99	98	65					29.4	0.78
	85	YYPG80 (P.2056)	RPG85 (P.2097)	—	Φ85	150	137	65					39.2	1.48
(2) XYZLRPG(No.)-H (XY-Axis + Horizontal Surf. Z-Axis + Rotary)	38	XYPG40 (P.2056)	ZLPG40 (P.2070)	RPG38 (P.2097)	Φ38	96	84	100	±6.5	±6.5	±3.0	Coarse 360° Fine Feed ±5°	8.9	0.57
	60	XYPG60 (P.2056)	ZLPG60 (P.2070)	RPG60 (P.2097)	Φ60	115	98	120					29.4	1.40
	85	XYPG80 (P.2056)	ZLPG80 (P.2070)	RPG85 (P.2097)	Φ85	150	137	120					24.7	2.48
(3) XYRSPG(No.)-H (Low Profile XY-Axis + Rotary)	38	XYSPG40 (P.2057)	RPG38 (P.2097)	—	Φ38	99	84	42	±6.5	±6.5	—	Coarse 360° Fine Feed ±5°	8.8	0.29
	60	XYSPG60 (P.2057)	RPG60 (P.2097)	—	Φ60	103	101	47					26.4	0.68
	85	XYSPG80 (P.2057)	RPG85 (P.2097)	—	Φ85	151	132	47					34.3	1.18
(4) XYZLRSPG(No.)-H (Low Profile XY-Axis + Horizontal Surf. Z + Rotary)	38	XYSPG40 (P.2057)	ZLPG40 (P.2070)	RPG38 (P.2097)	Φ38	100	84	82	±6.5	±6.5	±3.0	Coarse 360° Fine Feed ±5°	6.8	0.49
	60	XYSPG60 (P.2057)	ZLPG60 (P.2070)	RPG60 (P.2097)	Φ60	119	101	102					20.6	1.28
	85	XYSPG80 (P.2057)	ZLPG80 (P.2070)	RPG85 (P.2097)	Φ85	151	132	102					22.5	2.18

- For detailed dimensions, material and characteristics, see the catalog page for each stage.
- For included screw sizes, see the pages for the bottom stages.
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- Extension Cover HDEXT13 (Sold Separately): extends Ø 13 mm head knob. P.2035

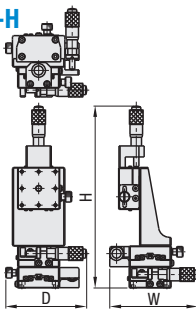
Part Number Example

Part Number
XYRPG38-H

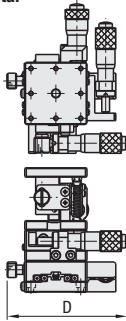
[High Precision] Combined Stages

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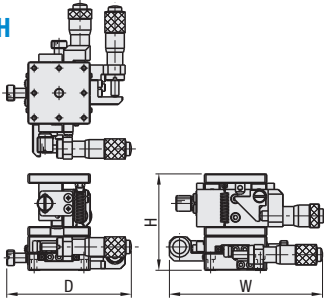
XY-Axis + Z-Axis
XYZPG-H



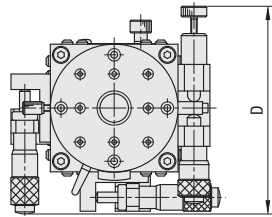
XY-Axis+Horizontal Surface Z-Axis
XYZLPG-H

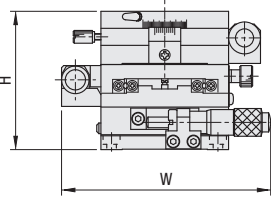


Low Profile XY-Axis+Horizontal Surface Z-Axis
XYZLSPG-H

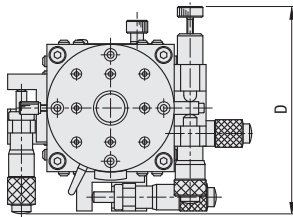


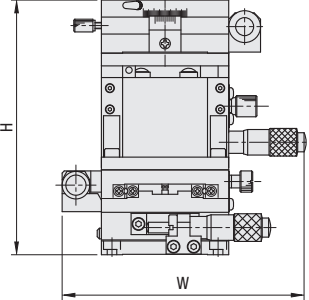
(1) XYRPG-H
(XY-Axis+Rotary)



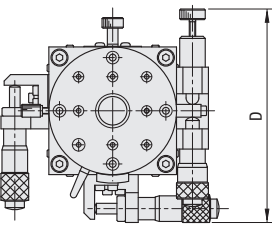


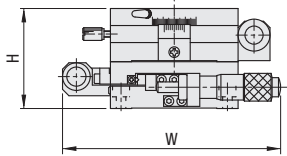
(2) XYZLRPG-H
(XY-Axis+Horizontal Surf. Z-Axis+Rotary)



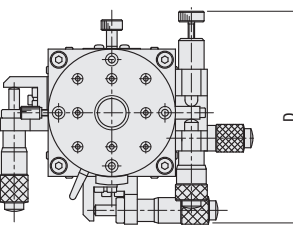


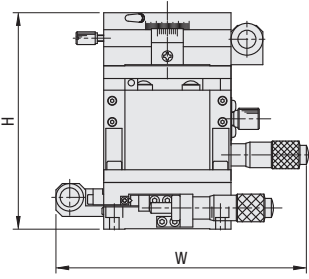
(3) XYRSPG-H
(Low Profile XY-Axis+Rotary)





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





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