


[High Precision] Z-Axis Cross Roller

■ **Features:** Cross Roller Z-Axis Stages made of lightweight aluminum alloy.

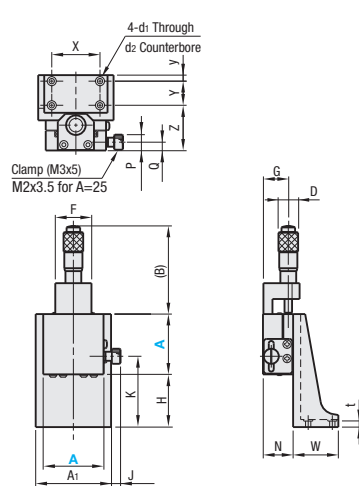
Z-Axis



X-Axis **P1918**
 XY-Axis **P1943**

RoHS10

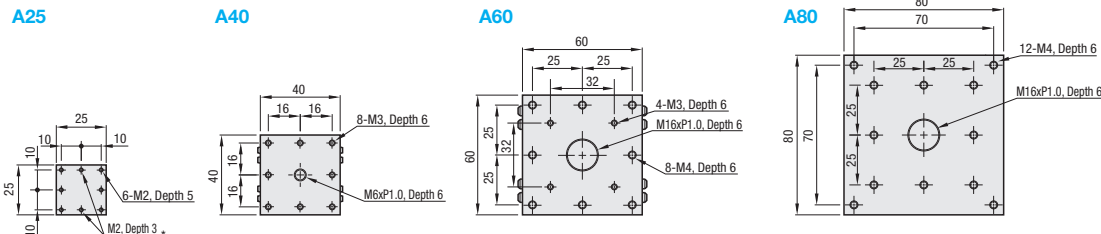
ZPG



4-d1 Through
dz Counterbore

Clamp (M3x5)
M2x3.5 for A=25

A25 **A40** **A60** **A80**



See the CAD data for detailed dimensions. * The depth will be short due to the stage shape.

M Material: Aluminum Alloy
S Surface Treatment: Black Anodize

⚠ Standard Stages Similar Products (available for limited sizes only): ZCRS (P1967)

■ Micrometer Head (ZPG)

Part Number	Front View							Side View					Top View					Accessory (4 pcs.)					
	Type	A	A ₁	H	(B)	Travel Distance (mm)	F	K	J	D	G	N	W	t	P	Q	X		Y	y	Z	d ₁	d ₂
ZPG	25	25	12.5	37.0	±3.2	11	22.5	6.8	9.3	12.5	15	20	5	6	4.5	20	10	2.5	22.5	2.5	-	-	SCB2-8
	40	50	35.0	58.5	±6.5	24	47.0	6.3	13.0	16.8	20	30	4	10	5.5	32	16	4.0	30.0	3.5	6	-	SCB3-8
	60	70	20.0	58.5	±6.5	24	37.5	6.3	13.0	16.8	20	45	7	10	5.5	50	25	5.0	35.0	4.5	8	-	SCB4-12
	80	80	20.0	96.0	±12.5	24	45.0	11.3	18.0	16.5	20	45	7	10	5.5	50	25	5.0	35.0	4.5	8	-	SCB4-12

• Performance

Part Number	Stage Surface	Load Capacity (N)	Travel Accuracy			Moment Load Capacity (N-m)			Moment Rigidity ("/N-cm)			Weight (kg)	Unit Price
			Straightness	Pitching	Yawing	Pitching	Yawing	Rolling	Pitching	Yawing	Rolling		
ZPG	25	25x25	4.9	3μm	30"	30"	1.1	0.8	0.4	3.03	2.85	1.80	0.06
	40	40x40	9.8				2.7	2.2	2.0	0.38	0.42	0.28	0.20
	60	60x60	19.6				5.2	4.3	5.5	0.12	0.11	0.07	0.45
	80	80x80	49.0				19.2	15.1	17.3	0.05	0.05	0.04	0.80

⚠ Micrometer Head Resolution: 10μm/division

Ordering Example

Part Number: **ZPG60**

Alterations

Part Number: **ZPG80** - (C, CU)

Express service is not available.

Alterations	Micrometer Head Position	
	Side Up	Side Down
Spec.	A	H
	25	12.5
	40	35
	60	20
	80	20
Code	C	CU

⚠ H dimension is changed.

- ⚠ Mounting dimensions of micrometer heads and clamps are different from those of standard products. Bracket shapes differ depending on the sizes. See the CAD data for detailed dimensions.
- ⚠ 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**