

NEW $\alpha\beta$ axis Extended Contact Ball Slide Goniometers | MGT32-60/70 Stage size $\square 60 \square 70$ mm



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Linear Guide

15mm

25mm

40mm

50mm

60mm

70mm

80mm

100mm

120mm

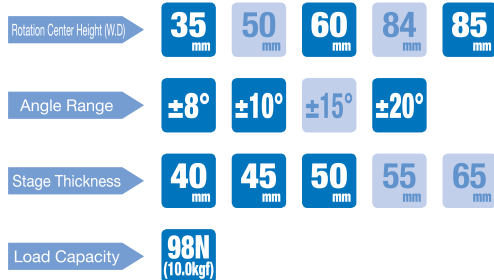
Others

Hardened Steel linear stages with integrated bearing ways for superior stiffness, accuracy and durability.

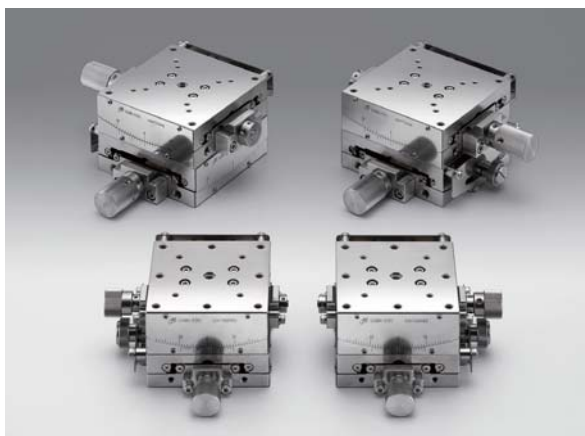
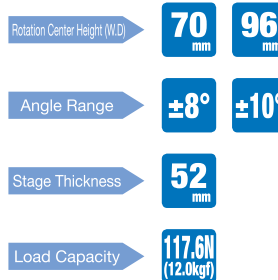
Their smooth movement is ideal for frequent operations.

- Disc clamp improves the stability of clamping.
- Integral-guide structure offers high performance of rotation center displacement $\phi 0.01$ mm.

Stage $\square 60$ mm



Stage $\square 70$ mm



Guide

- ▶ The MGT3-60 series allows selection of surface finishing.



Super Black Chrome Type
(Part number suffix B)

- ▶ Attachment pins (MGT31-P/P(5)) can be purchased separately. **Reference** G008
- ▶ Contact our International Sales Division if you desire a rotation center height not listed in the catalog.

Specifications

Part Number	NEW MGT32-60-35	NEW MGT32-60-60	NEW MGT32-60-85	NEW MGT32-70-70	NEW MGT32-70-96	
Opposite Model	NEW MGT32-60-35R	NEW MGT32-60-60R	NEW MGT32-60-85R	NEW MGT32-70-70R	NEW MGT32-70-96R	
Table Size [mm]	60×60	60×60	60×60	70×70	70×70	
Rotation Center Height [mm]	35±0.2	60±0.2	85±0.2	70±0.2	96±0.2	
Angle Range [°]	(Upper) β axis	±20	±15	±10	±8	
	(Lower) α axis	±15	±10	±8	±6	
Vernier Readable Resolution	0.1°	0.1°	0.1°	0.1°	0.1°	
Travel per Knob Rotation [°]	(Upper) β axis	about 2.2	about 1.46	about 1.15	about 1.31	about 1
	(Lower) α axis	about 1.46	about 1.15	about 0.95	about 1	about 0.8
Positioning Slide	Extended contact ball guide	Extended contact ball guide	Extended contact ball guide	Extended contact ball guide	Extended contact ball guide	
Primary Material	SUS440C quench hardened	SUS440C quench hardened	SUS440C quench hardened	SUS440C quench hardened	SUS440C quench hardened	
Finish	Electroless nickel	Electroless nickel	Electroless nickel	Electroless nickel	Electroless nickel	
Load Capacity [N]	98 (10.0kgf)	98 (10.0kgf)	98 (10.0kgf)	117.6 (12.0kgf)	117.6 (12.0kgf)	
Max. Moment Capacity	Pitch [N·m]	3.0	3.0	3.0	3.0	
	Roll [N·m]	3.0	3.0	3.0	3.0	
	Yaw [N·m]	3.0	3.0	3.0	3.0	
Parallelism [μ m]	30	30	30	30	30	
Weight [kg]	1.2	1.2	1.2	1.8	1.8	

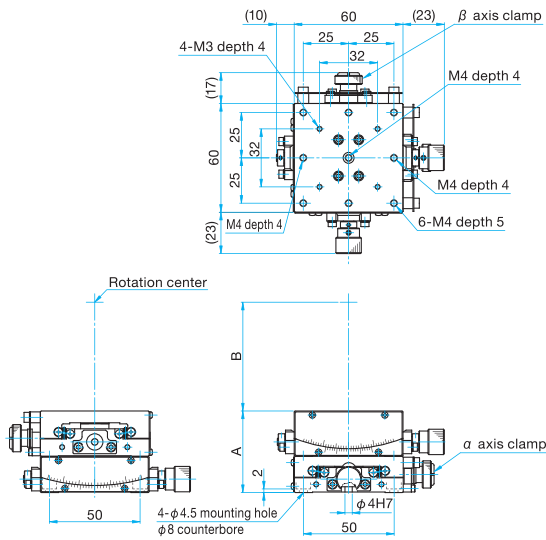
Configuration

Part Number	MGT32-60-35	MGT32-60-60	MGT32-60-85	MGT32-70-70	MGT32-70-96
(Upper) β axis	MGT31-60-35	MGT31-60-60	MGT31-60-85	MGT31-70-70	MGT31-70-96
(Lower) α axis	MGT31-60-60	MGT31-60-85	MGT31-60-105	MGT31-70-96	MGT31-70-122
Opposite Model	MGT32-60-35R	MGT32-60-60R	MGT32-60-85R	MGT32-70-70R	MGT32-70-96R
(Upper) β axis	MGT31-60-35R	MGT31-60-60R	MGT31-60-85R	MGT31-70-70R	MGT31-70-96R
(Lower) α axis	MGT31-60-60R	MGT31-60-85R	MGT31-60-105R	MGT31-70-96R	MGT31-70-122R

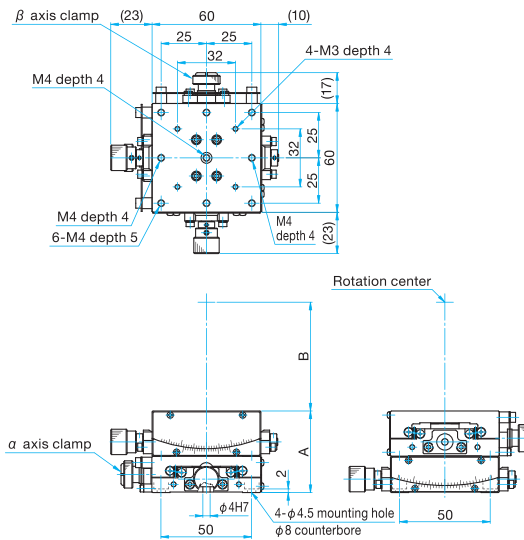


Outline Drawing

MGT32-60** Hexagonal socket head cap screw M4x8...4 screws
 Attachment pins (GOHT-AP)...1 pin



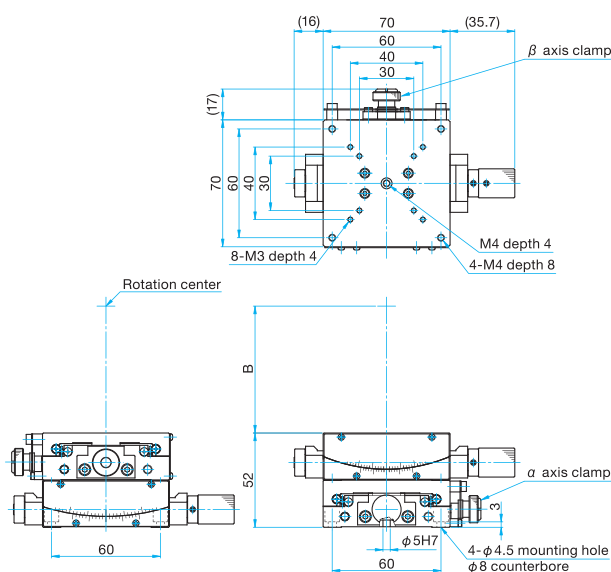
MGT32-60R** Hexagonal socket head cap screw M4x8...4 screws
 Attachment pins (GOHT-AP)...1 pin



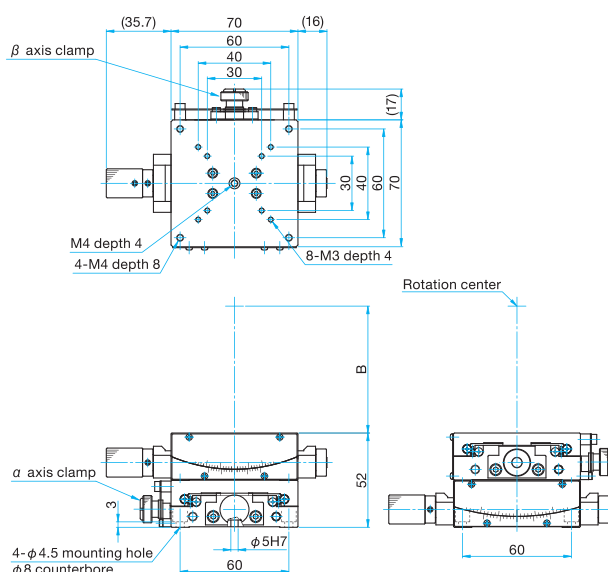
Part Number		A (mm)	B (mm)
Electroless nickel	Super black chrome	50	35
MGT32-60-35	MGT32-60-35B		
MGT32-60-60	MGT32-60-60B	45	60
MGT32-60-85	MGT32-60-85B	40	85

Part Number		A (mm)	B (mm)
Electroless nickel	Super black chrome	50	35
MGT32-60-35R	MGT32-60-35BR		
MGT32-60-60R	MGT32-60-60BR	45	60
MGT32-60-85R	MGT32-60-85BR	40	85

MGT32-70** Hexagonal socket head cap screw M4x8...4 screws
 Attachment pins (GOHT-AP (5))...1 pin



MGT32-70R** Hexagonal socket head cap screw M4x8...4 screws
 Attachment pins (GOHT-AP (5))...1 pin



Part Number	B (mm)
MGT32-70-70	70
MGT32-70-96	96

Part Number	B (mm)
MGT32-70-70R	70
MGT32-70-96R	96

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