



NEW $\alpha\beta$ axis Extended Contact Ball Slide Goniometers | **MGT32-40/50** Stage size □40/□50mm

RoHS

Application Systems

Machine Vision

Manual Positions

Motion Control Products

Optical & Mirror Holder

F A Parts

Measurement &Control

FA Electrical Parts

Tool & Measure

Cleanroom & AntiStatic

Index

X Axis

XY Axis

Z Axis

XZ Axis

XYZ Axis

Rotation

Goniometers /Tilt

Multiaxis

Linear Guide

□15mm

□25mm

□40mm

□50mm

□60mm

□70mm

□80mm

□100mm

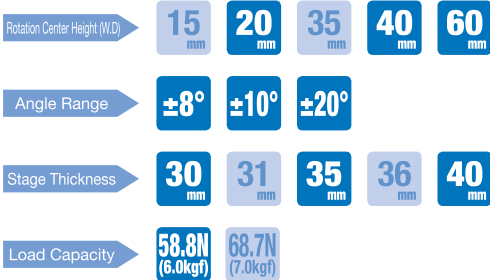
□120mm

Others

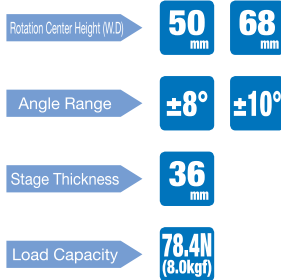
Hardened Steel linear stages with integrated bearing ways for superior stiffness, accuracy and durability.
Their smooth movement is ideal for frequent operations.

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

Stage □40mm



Stage □50mm



Guide

- The MGT3-40 series allows selection of surface finishing.



Super Black Chrome Type
(Part number suffix B)

- Attachment pins (MGT3-40-P) can be purchased separately.
Reference ► G008
- Contact our International Sales Division if you desire a rotation center height not listed in the catalog.

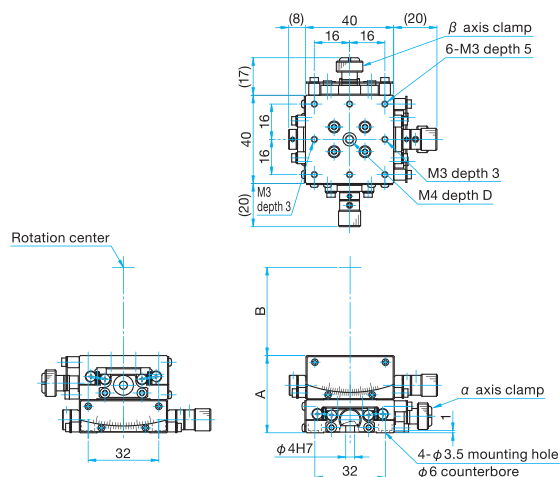
Specifications						
Part Number		NEW MGT32-40-20	NEW MGT32-40-40	NEW MGT32-40-60	NEW MGT32-50-50	NEW MGT32-50-68
Opposite Model		NEW MGT32-40-20R	NEW MGT32-40-40R	NEW MGT32-40-60R	NEW MGT32-50-50R	NEW MGT32-50-68R
Table Size [mm]		40×40	40×40	40×40	50×50	50×50
Rotation Center Height [mm]		20±0.2	40±0.2	60±0.2	50±0.2	68±0.2
Angle Range [°]	(Upper) β axis	±20	±10	±8	±10	±8
	(Lower) α axis	±10	±8	±6	±8	±6
Vernier Readable Resolution		0.1°	0.1°	0.1°	0.1°	0.1°
Travel per Knob Rotation [°]	(Upper) β axis	about 2.31	about 1.41	about 1.08	about 1.55	about 1.2
	(Lower) α axis	about 1.41	about 1.08	about 0.89	about 1.2	about 0.96
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]		58.8 (6.0kgf)	58.8 (6.0kgf)	58.8 (6.0kgf)	78.4 (8.0kgf)	78.4 (8.0kgf)
Max. Moment Capacity	Pitch [N·m]	2.0	2.0	2.0	2.5	2.5
	Roll [N·m]	2.0	2.0	2.0	2.5	2.5
	Yaw [N·m]	2.0	2.0	2.0	2.5	2.5
Parallelism [μm]		30	30	30	30	30
Weight [kg]		0.4	0.4	0.4	0.7	0.7

Configuration					
Part Number	MGT32-40-20	MGT32-40-40	MGT32-40-60	MGT32-50-50	MGT32-50-68
(Upper) β axis	MGT31-40-40	MGT31-40-40	MGT31-40-60	MGT31-50-86	MGT31-50-68
(Lower) α axis	MGT31-40-20	MGT31-40-60	MGT31-40-75	MGT31-50-68	MGT31-50-50
Opposite Model	MGT32-40-20R	MGT32-40-40R	MGT32-40-60R	MGT32-50-50R	MGT32-50-68R
(Upper) β axis	MGT31-40-40R	MGT31-40-40R	MGT31-40-60R	MGT31-50-86R	MGT31-50-68R
(Lower) α axis	MGT31-40-20R	MGT31-40-60R	MGT31-40-75R	MGT31-50-68R	MGT31-50-50R



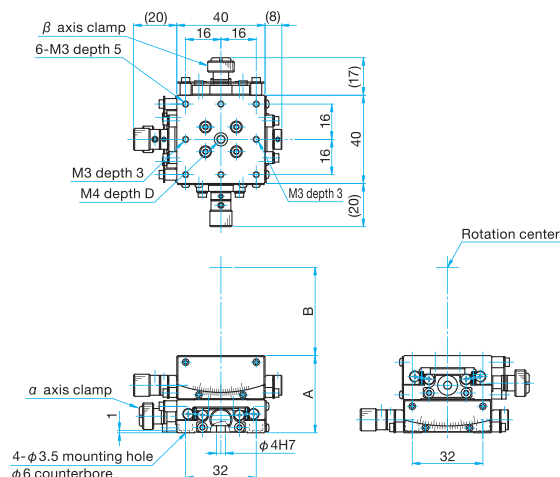
Outline Drawing

MGT32-40** Hexagon socket head cap screw M3x6...4 screws
Attachment pins (GOHT-AP)...1 pin



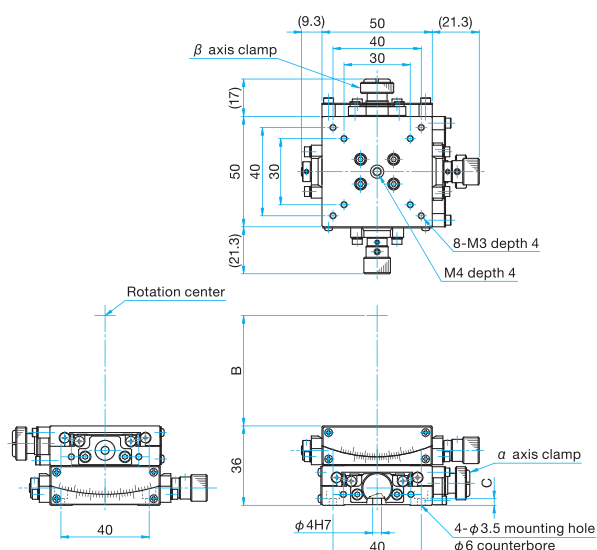
Part Number		A (mm)	B (mm)	D (mm)
Electroless nickel	Super black chrome			
MGT32-40-20	MGT32-40-20B	40	20	4
MGT32-40-40	MGT32-40-40B	35	40	4
MGT32-40-60	MGT32-40-60B	30	60	3

MGT32-40R** Hexagon socket head cap screw M3x6...4 screws
Attachment pins (GOHT-AP)...1 pin



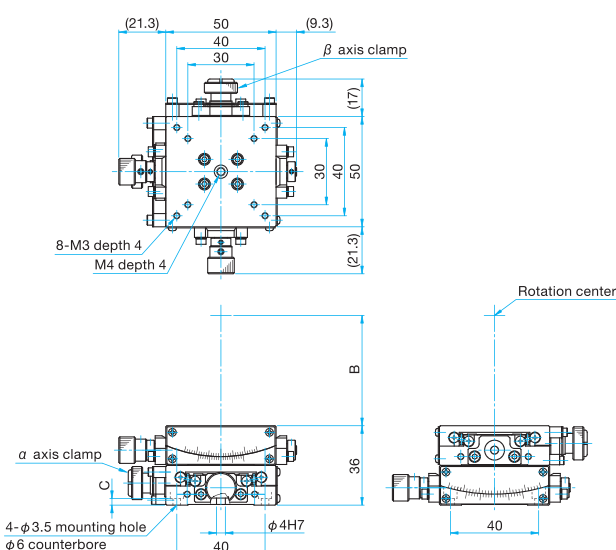
Part Number		A (mm)	B (mm)	D (mm)
Electroless nickel	Super black chrome			
MGT32-40-20R	MGT32-40-20BR	40	20	4
MGT32-40-40R	MGT32-40-40BR	35	40	4
MGT32-40-60R	MGT32-40-60BR	30	60	3

MGT32-50** Hexagon socket head cap screw M3x8...4 screws
Attachment pins (GOHT-AP)...1 pin



Part Number	B (mm)	C (mm)
MGT32-50-50	50	3
MGT32-50-68	68	2

MGT32-50R** Hexagon socket head cap screw M3x8...4 screws
Attachment pins (GOHT-AP)...1 pin



Part Number	B (mm)	C (mm)
MGT32-50-50R	50	3
MGT32-50-68R	68	2

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