



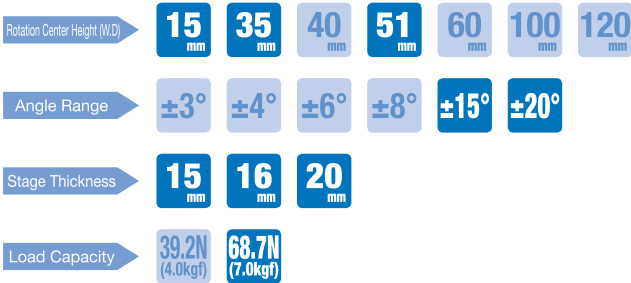
α axis Goniometers
 α axis Stainless Steel Goniometers

MGT11-40 Stage size ☐ 40mm
MGT21-40 Stage size ☐ 40mm



Goniometers fitted with dovetail slide and worm gear, suitable for orientation adjustment (angle adjustment or correction).

- The MGT2 series uses high vacuum grease, ideal for use in clean rooms or vacuum applications.



Guide

► The MGT2 series offers stages suitable for use in clean rooms or vacuum applications. **Reference** Vacuum measurement data G009
► Also ideal for use in airtight spaces that have to avoid outgassing.

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

SPEC UP

Specifications						
Part Number		MGT11-40-15	MGT11-40-35	MGT11-40-51	MGT21-40-15	MGT21-40-35
Opposite Model		MGT11-40-15R	MGT11-40-35R	MGT11-40-51R	—	—
Table Size [mm]		40×40	40×40	40×40	40×40	40×40
Rotation Center Height [mm]		15±0.1	35±0.1	51±0.1	15±0.1	35±0.1
Angle Range [°]		±20	±20	±15	±20	±20
Vernier Readable Resolution		12′	12′	12′	12′	12′
Travel per Knob Rotation [°]		about 2.83	about 1.74	about 1.27	about 2.83	about 1.74
Rotation Center Displacement [mm]		φ0.1 or less	φ0.1 or less	φ0.1 or less	φ0.2 or less	φ0.2 or less
Positioning Slide		Dovetail slide method	Dovetail slide method	Dovetail slide method	Dovetail slide method	Dovetail slide method
Primary Material		Brass	Brass	Brass	Stainless steel	Stainless steel
Finish		Super black chrome	Super black chrome	Super black chrome	None	None
Load Capacity [N]		68.7 (7.0kgf)	68.7 (7.0kgf)	68.7 (7.0kgf)	68.7 (7.0kgf)	68.7 (7.0kgf)
Max. Moment Capacity	Pitch [N·m]	0.9	0.9	0.9	0.9	0.9
	Roll [N·m]	1.2	1.2	1.2	1.2	1.2
Moment Stiffness	Roll [″/N·cm]	0.51	0.51	0.51	0.51	0.51
Parallelism [μm]		50	50	50	50	50
Weight [kg]		0.25	0.2	0.18	0.25	0.2

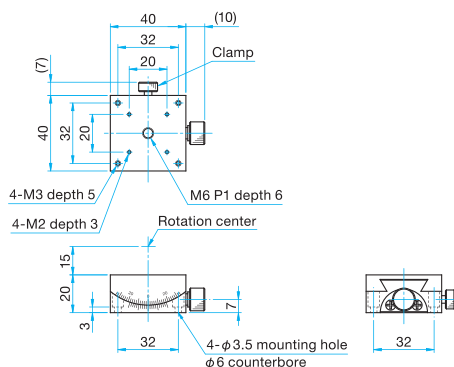
Catalog Code W7098

Catalog Code W7099

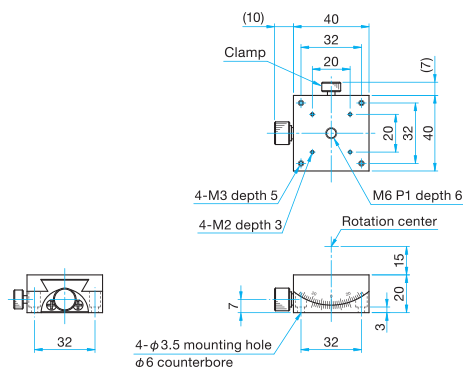


Outline Drawing

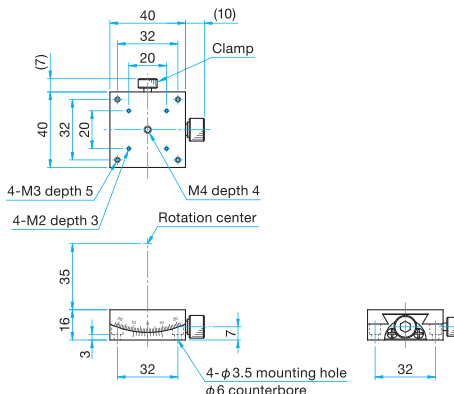
MGT11-40-15 Pan head screw M3×6...4 screws 2.5mm



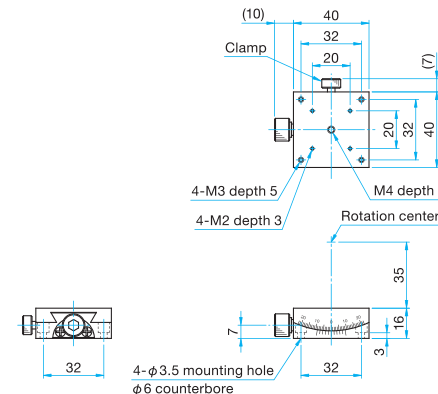
MGT11-40-15R Pan head screw M3×6...4 screws 2.5mm



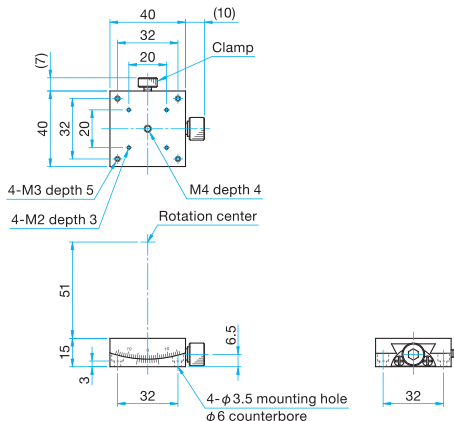
MGT11-40-35 Pan head screw M3×6...4 screws 2.5mm



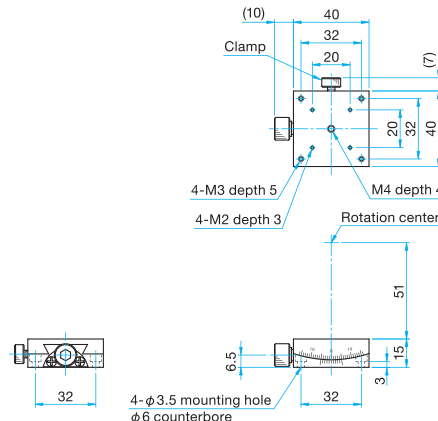
MGT11-40-35R Pan head screw M3×6...4 screws 2.5mm



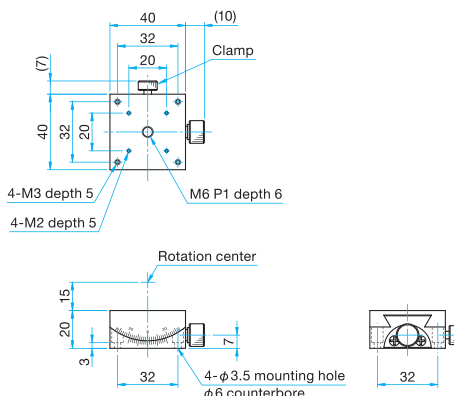
MGT11-40-51 Pan head screw M3×6...4 screws 2.5mm



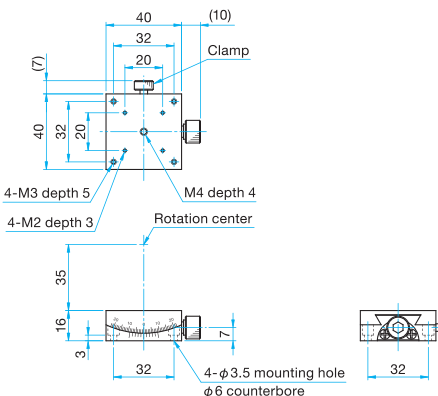
MGT11-40-51R Pan head screw M3×6...4 screws 2.5mm



MGT21-40-15 Hexagon socket head cap screw (stainless steel construction) M3×6...4 screws 2.5mm



MGT21-40-35 Hexagon socket head cap screw (stainless steel construction) M3×6...4 screws 2.5mm



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