

X Axis Aluminum Crossed Roller Translation Stages

XY Axis Aluminum Crossed Roller Translation Stages

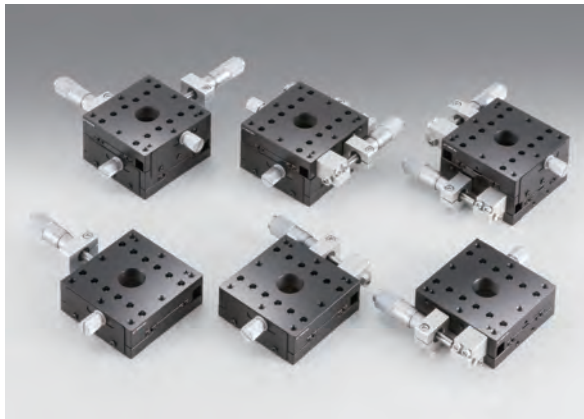
TAM-601

TAM-602

Stage Size 60 × 60 mm

RoHS

High precision crossed-roller linear translation stages with black anodized aluminum bodies.



Attention

- ▶ Micrometer brackets may extend above the top surface of some stages. Check drawings for detailed information.
- ▶ Note that based upon payload size, rated travel could be reduced.

Specifications					
Part Number	METRIC	TAM-601C	TAM-601S	TAM-602C	TAM-602S
(Opposite Model)	METRIC	—	TAM-601SR	—	TAM-602SR
Stage Size [mm]		60×60	60×60	60×60	60×60
Axes of Travel		X axis		XY axis	
Micrometer Position		Center	Side	Center	Side
Travel [mm]		±6.5	±6.5	±6.5	±6.5
Lead of Actuator [mm/rotation]		0.5	0.5	0.5	0.5
Micrometer Readable Resolution [mm]		0.01	0.01	0.01	0.01
Guide Method		Crossed roller			
Primary Material		Aluminum			
Finish		Black anodized			
Load Capacity [N]		196 (20.0kgf)	196 (20.0kgf)	196 (20.0kgf)	196 (20.0kgf)
Travel Accuracy	Straightness [μm]	2	2	2	2
	Pitch ["]	25	25	25	25
	Yaw ["]	15	15	15	15
Max. Moment Capacity	Pitch [N·m]	5.8	5.8	5.8	5.8
	Roll [N·m]	5.8	5.8	5.8	5.8
	Yaw [N·m]	5.8	5.8	5.8	5.8
Moment Stiffness	Pitch [°/N·cm]	0.3	0.3	0.6	0.6
	Roll [°/N·cm]	0.25	0.25	0.6	0.6
Parallelism [μm]		30	30	50	50
Running Parallelism [μm]		10	10	20	20
Orthogonality [μm]		—	—	10	10
Options		FP/DM/WP/DL	FP/DM/WP/DL	FP/DM/WP/DL	FP/DM/WP
Weight [kg]		0.3	0.3	0.6	0.6

Option					
Option Code	Compatible product		Lead of Actuator [mm/rotation]	Micrometer Readable Resolution [mm]	Reference
	Products Name	Part Number			
FP	Fine-pitch Screw Adjusters	FPSA-62540	0.25	—	E008
DM	Differential Micrometer Heads	MHF2-13F	Coars: 0.5 Fine: 0.025	Coars: 0.01 Fine: 0.0005	
WP	Sub-micron Worm Drive Micrometer Heads	WGP-13	Coars: 0.25 Fine: 0.005	Coars: 0.005 Fine: 0.0005	
DL	Differential Micrometer Heads	MDC-13	0.5	0.01	

* Please add an option code as the part number suffix to specify various optional specifications.
 * Installation may not be possible depending on the direction of DL.

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Z Axis Stages

XZ Axis Stages

XYZ Axis Stages

Rotation Stages

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Vacuum

Ball Bearing Guide

Crossed Roller

Dovetail

Lapping

V Groove Screw

Others

15 × 15 mm

25 × 25 mm

40 × 40 mm

60 × 60 mm

65 × 65 mm

80 × 80 mm

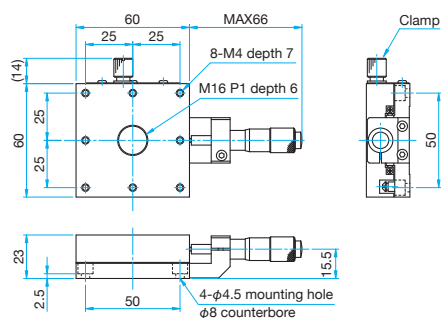
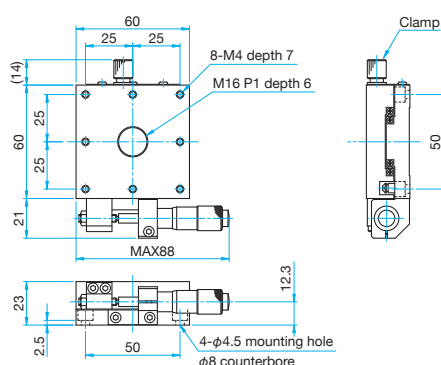
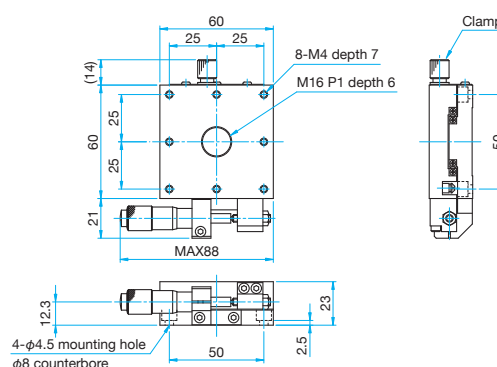
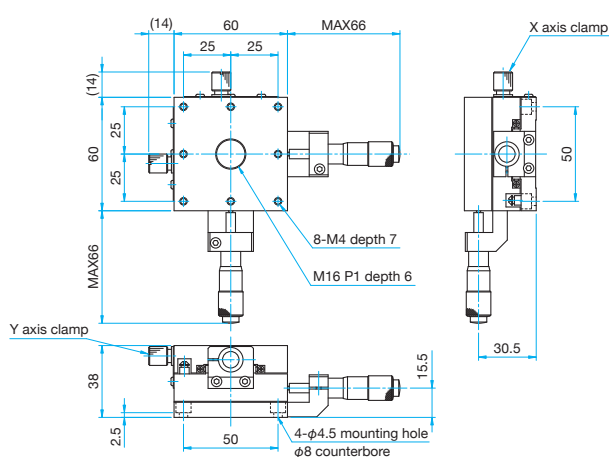
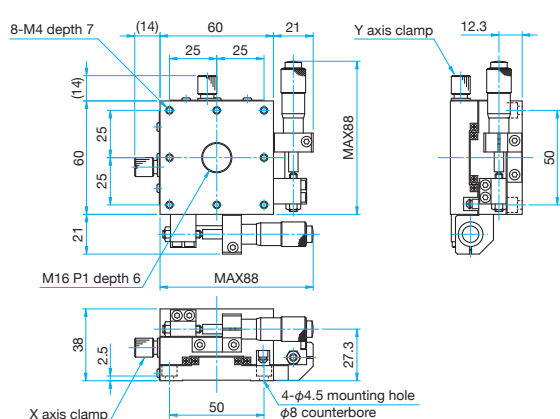
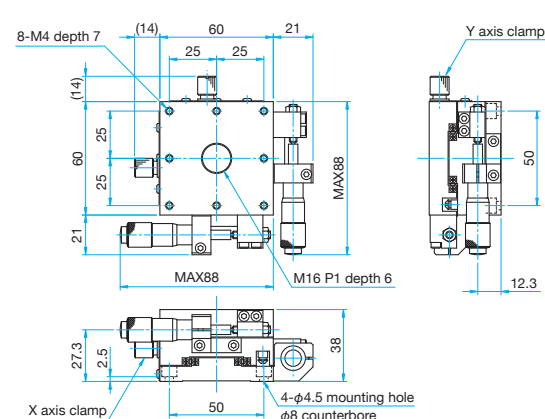
100 × 100 mm

120 × 120 mm

Others



Outline Drawing

TAM-601C Hexagonal socket head cap screw M4×8...4 screws**TAM-601S** Hexagonal socket head cap screw M4×8...4 screws**TAM-601SR** Hexagonal socket head cap screw M4×8...4 screws**TAM-602C** Hexagonal socket head cap screw M4×8...4 screws**TAM-602S** Hexagonal socket head cap screw M4×8...4 screws**TAM-602SR** Hexagonal socket head cap screw M4×8...4 screws

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