

XZ Axis Aluminum Crossed Roller Translation Stages (Vertical)

Stage Size 40 × 40 mm / 60 × 60 mm

TAM-4L

RoHS

These XZ assemblies incorporate an (X) axis aluminum linear stage and a (Z) axis aluminum stage with an integrated vertical bracket.

Crossed roller guides enable smooth travel.



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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

Specifications

Part Number	METRIC	TAM-404CL	TAM-404SL	TAM-604CL	TAM-604SL
	INCH	TAM-404CLUU	TAM-404SLUU	—	—
(Opposite Model)	METRIC	—	TAM-404SRL	—	TAM-604SRL
	INCH	—	TAM-404SRLUU	—	—
Stage Size [mm]	40×40			60×60	
Axes of Travel	XZ axis				
Micrometer Position	Center	Side		Center	Side
Travel [mm]	X axis ±6.5 Z axis ±6.5	X axis ±6.5 Z axis ±6.5	X axis ±6.5 Z axis ±6.5	X axis ±6.5 Z axis ±6.5	X axis ±6.5 Z axis ±6.5
Lead of Actuator [mm/rotation]	0.5	0.5	0.5	0.5	0.5
Micrometer Readable Resolution [mm]	0.01	0.01	0.01	0.01	0.01
Guide Method	Crossed roller				
Primary Material	Aluminum				
Finish	Black anodized				
Load Capacity [N]	49 (5.0kgf)	49 (5.0kgf)	49 (5.0kgf)	49 (5.0kgf)	49 (5.0kgf)
Travel Accuracy	Straightness [μm]	2	2	2	2
Max. Moment Capacity	Pitch [N·m]	2.75	2.75	5.0	5.0
	Roll [N·m]	3.0	3.0	5.0	5.0
Moment Stiffness	Pitch [°/N·cm]	1.4	1.4	0.6	0.6
Options	FP	FP	FP	FP	FP
Weight [kg]	0.3	0.3	0.6	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

* Please add an option code as the part number suffix to specify various optional specifications.

* The FP type requires a hex wrench or the optional hex wrench with knob (KCL) for driving operation. [Reference](#) F010 [Catalog Code](#) W8008

XZ Axis Aluminum Crossed Roller Translation Stages (Vertical)

Stage Size 65 × 65 mm / 80 × 80 mm

TAM-4L **RoHS**

These XZ assemblies incorporate an (X) axis aluminum linear stage and a (Z) axis aluminum stage with an integrated vertical bracket.

Crossed roller guides enable smooth travel.



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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

Specifications

Part Number	METRIC	TAM-654CL-M6	TAM-654SL-M6	TAM-804CL	TAM-804SL
	INCH	TAM-654CLUU	TAM-654SLUU	—	—
(Opposite Model)	METRIC	—	TAM-654SRL-M6	—	—
	INCH	—	TAM-654SRLUU	—	—
Stage Size [mm]		65×65	65×65	80×80	80×80
Axes of Travel		XZ axis			
Micrometer Position		Center	Side	Center	Side
Travel [mm]		X axis ±6.5 Z axis ±6.5	X axis ±6.5 Z axis ±6.5	X axis ±7.5 Z axis ±7.5	X axis ±7.5 Z axis ±7.5
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]		49 (5.0kgf)	49 (5.0kgf)	49 (5.0kgf)	49 (5.0kgf)
Travel Accuracy	Straightness [μm]	2	2	2	2
Max. Moment Capacity	Pitch [N·m]	5.0	5.0	7.0	7.0
	Roll [N·m]	5.0	5.0	7.0	7.0
Moment Stiffness	Pitch [°/N·cm]	0.6	0.6	0.25	0.25
	Options	FP	FP	FP	FP
Weight [kg]		0.7	0.7	1.2	1.2

Option for □65mm

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

Option for □80mm

Option Code	Compatible product		Lead of Actuator [mm/rotation]	Micrometer Readable Resolution [mm]	Reference
	Products Name	Part Number			
FP	Fine-pitch Screw Adjusters	FPSA-62550	0.25	—	E008

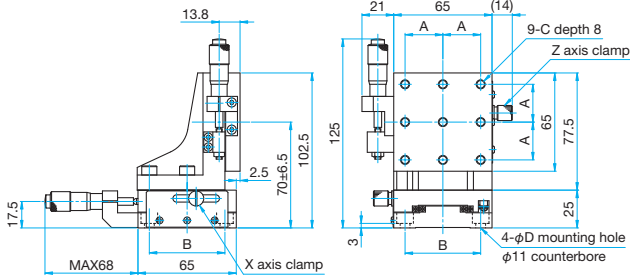
* Please add an option code as the part number suffix to specify various optional specifications.

* The FP type requires a hex wrench or the optional hex wrench with knob (KCL) for driving operation. [Reference](#) F010 [Catalog Code](#) W8008



Outline Drawing

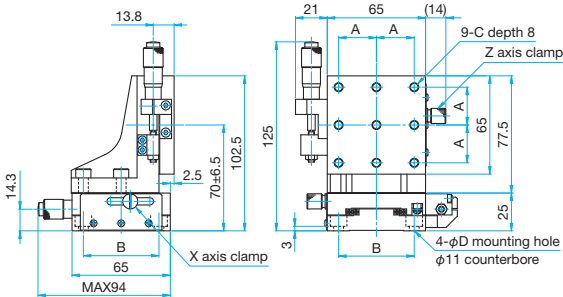
TAM-654CL-M6/654CLUU Hexagonal socket head cap screw M6x8...4 screws (M6)
Hexagonal socket head cap screw 1/4-20UNCx3/8...4 screws (UU)



Part Number	A (mm)	B (mm)	C	D (mm)
TAM-654CL-M6	25	50	M6 P1	6.5
TAM-654CLUU	25.4	50.8	1/4-20UNC	7

TAM-654SL-M6/654SLUU

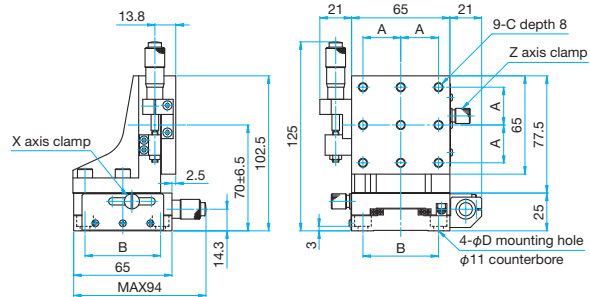
Hexagonal socket head cap screw M6x8...4 screws (M6)
Hexagonal socket head cap screw 1/4-20UNCx3/8...4 screws (UU)



Part Number	A (mm)	B (mm)	C	D (mm)
TAM-654SL-M6	25	50	M6 P1	6.5
TAM-654SLUU	25.4	50.8	1/4-20UNC	7

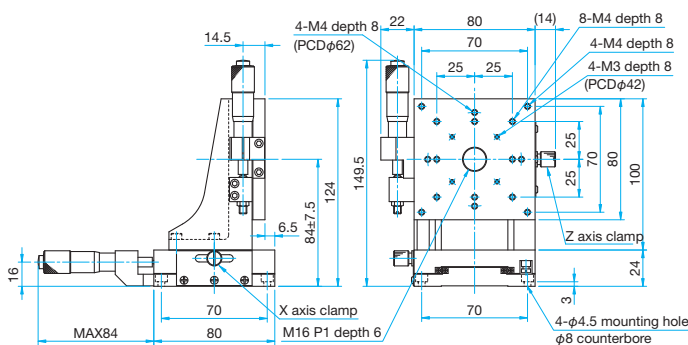
TAM-654SRL-M6/654SRLUU

Hexagonal socket head cap screw M6x8...4 screws (M6)
Hexagonal socket head cap screw 1/4-20UNCx3/8...4 screws (UU)

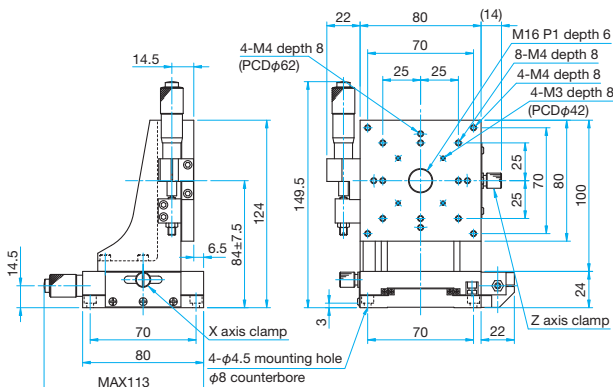


Part Number	A (mm)	B (mm)	C	D (mm)
TAM-654SRL-M6	25	50	M6 P1	6.5
TAM-654SRLUU	25.4	50.8	1/4-20UNC	7

TAM-804CL Hexagonal socket head cap screw M4x8...4 screws



TAM-804SL Hexagonal socket head cap screw M4x8...4 screws



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- Ohters
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- 100 × 100 mm
- 120 × 120 mm
- Others