

► Manual Stages ► Tilt Stages

Horizontal Goniometer Stages

D-T
Method

↑ TTS-R411



↑ TTS-R412



↑ TTS-R611



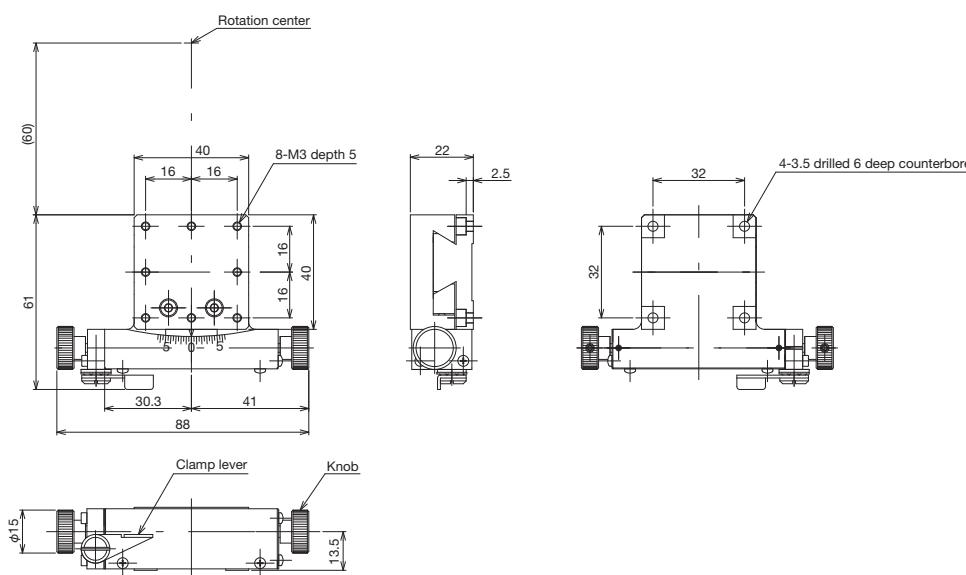
↑ TTS-R612

Features

- A 1-axis horizontal tilt stage with differing rotation center position and travel amount.
- THK CHUO's proprietary complex coupling structure enables fine movements to be made extraordinarily smoothly.
- Dovetails (D-T Method) are used for the travel guide.
- Versatile use for precision positioning of cameras, sensors, etc.

Model number	TTS-R411	TTS-R412	TTS-R611	TTS-R612
Model name	Horizontal Goniometer Stage 40 x 40		Horizontal Goniometer Stage 60 x 60	
Travel direction		Rotation 1 direction		
Stage surface	40 mm x 40 mm		60 mm x 60 mm	
Feed method		Precision screw, complex coupling method		
Travel amount	±6°	±5°	±4.5°	
Travel amount/1 knob rotation	Approx. 16' 8"	Approx. 13' 35"	Approx. 10' 37"	Approx. 9' 27"
Scale		Scale reading 30'		
Travel guide		Dovetail		
Rotation center (from stage surface center)	80 mm	100 mm	120 mm	140 mm
Rotation center accuracy	-	-	-	φ 0.1 mm
Load capacity	19.6 N (2 kgf)		29.4 N (3 kgf)	
Mass	0.4 kg		0.8 kg	
Main materials/surface treatment	Brass/hardened black chrome			

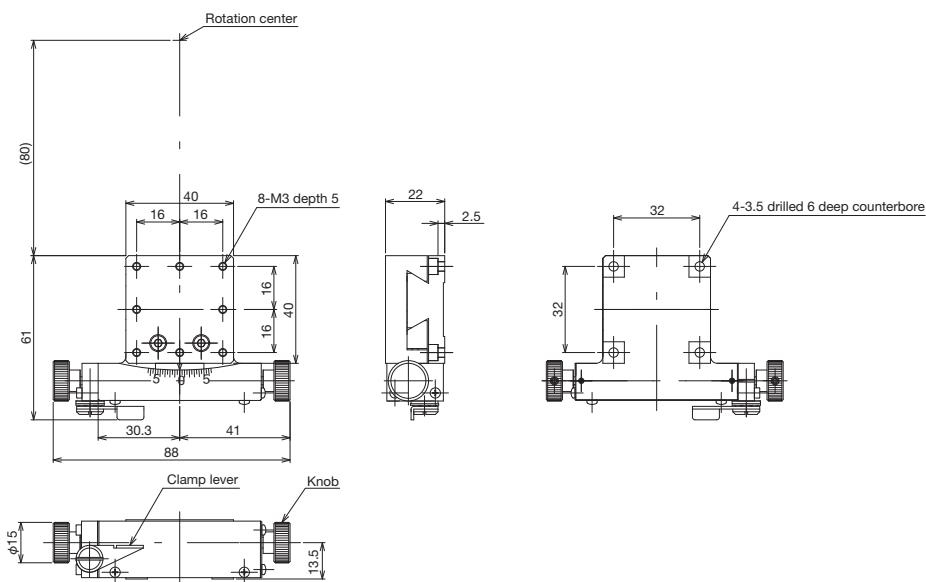
Product Appearance



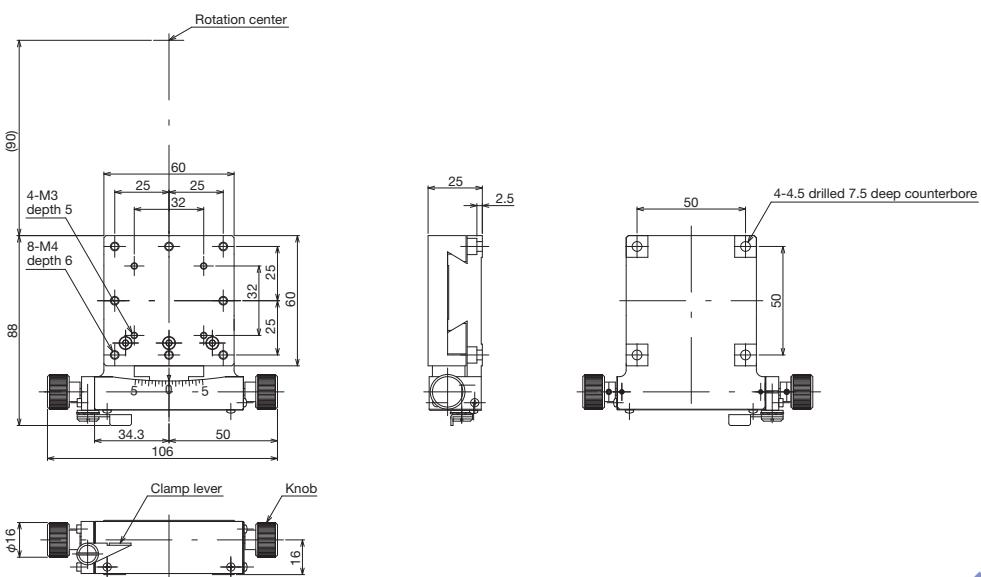
↑ TTS-R411



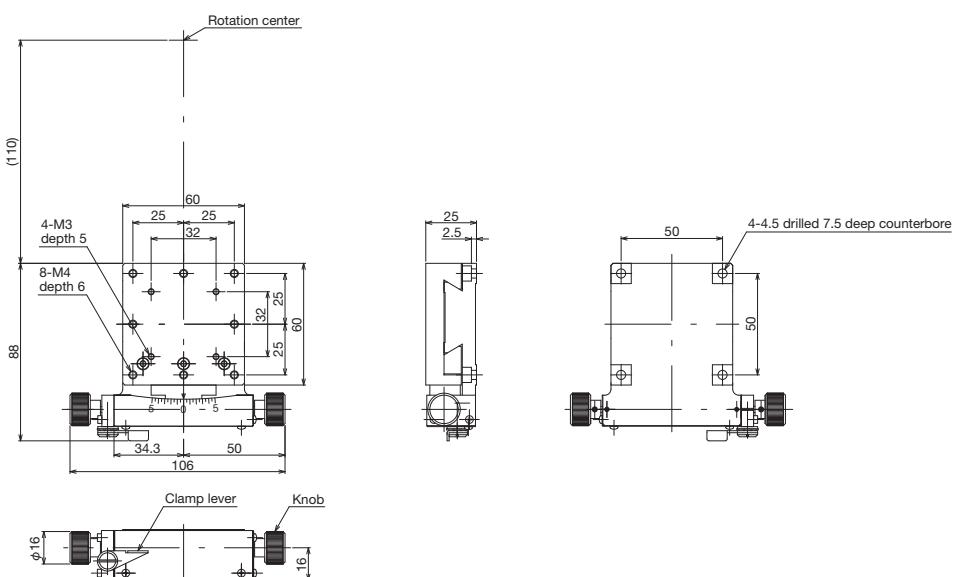
Product Appearance



↑ TTS-R412



↑ TTS-R611



↑ TTS-R612

Motorized Stages	Automated Products for Microscopes	Manual Stages
Fix Stages	Thin VIB Stages	Rack & Pinion Stages
		High-Grade Stages
		Simp Stages, Z Lift Stages, Z Stages
		Rotary Stages
		Tilt/Rotary Stages
		XZ, YZ Stages
		X/Z Stages

► Manual Stages ► Tilt Stages

Horizontal Goniometer Stages

D-T
Method

↑ TTS-R911

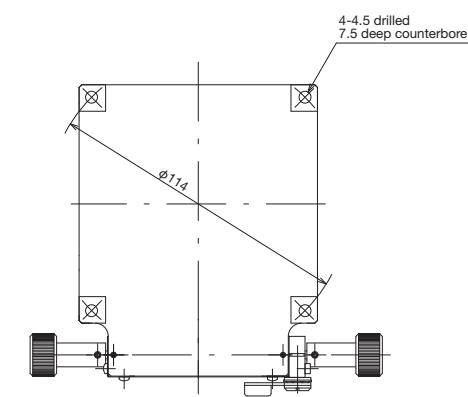
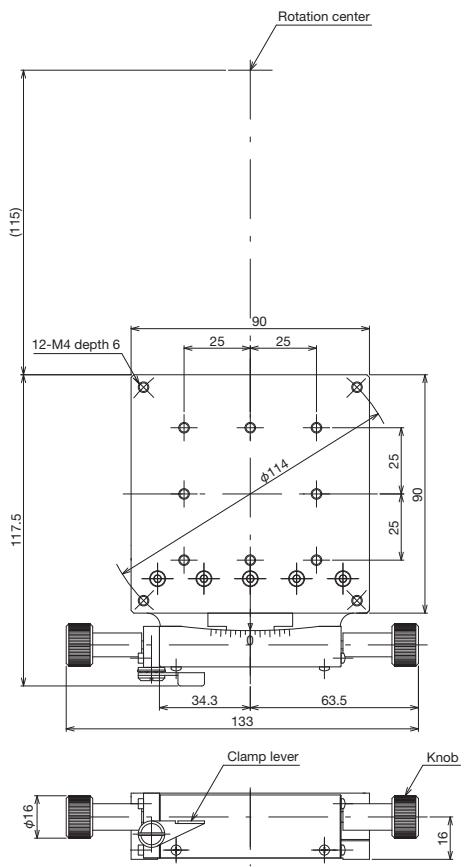


↑ TTS-R912

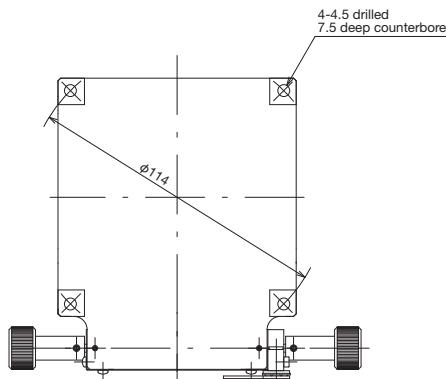
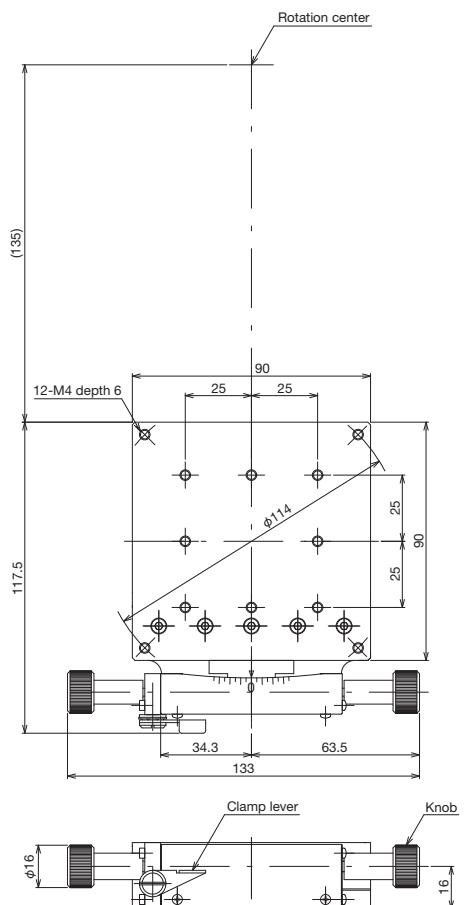
Features

- A 1-axis horizontal tilt stage with differing rotation center position and travel amount.
- THK CHUO's proprietary complex coupling structure enables fine movements to be made extraordinarily smoothly.
- Dovetails (D-T Method) are used for the travel guide.
- Versatile use for precision positioning of cameras, sensors, etc.

Model number	TTS-R911	TTS-R912
Model name	Horizontal Goniometer Stage 90 x 90	
Travel direction	Rotation single direction	
Stage surface	90 mm x 90 mm	
Feed method	Precision screw, complex coupling method	
Travel amount	±4°	±3.5°
Travel amount/1 knob rotation	Approx. 7' 55"	Approx. 7' 15"
Scale	Scale reading 30'	
Travel guide	Dovetail	
Rotation center (from stage surface center)	160 mm	180 mm
Rotation center accuracy	φ 0.1 mm	
Load capacity	39.2 N (4 kgf)	
Mass	1.6 kg	
Main materials/surface treatment	Brass/hardened black chrome	


Product Appearance


↑ TTS-R911



↑ TTS-R912

Motorized Stages	Automated Products for Microscopes	Manual Stages	Fix Stages	Thin VIB Stages	Rack & Pinion Stages	High-Grade Stages	Simplicity, Z Lift Stages, Cross Ruler Stages	Z Lift Stages, Z Stages	Rotary Stages	Tilt/Rotary Stages	XZ, YZ Stages	X/Z Stages
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