

VACUUM COMPATIBLE ROTATION STAGES

Suitable for Torr 10^{-6} vacuum

7R170V-190

Vacuum Compatible Rotation Stage



7R170V-190 is used to rotate manually large optical and other components through continuous 360° with accuracy of 1°, and finely to adjust them within 10° by a micrometer, with accuracy of 0.5arcmin. The stage has 88.9 mm clear aperture. The platform of the stage has a pattern of M6 and M4 mounting holes for components.

Specifications

Rotation range	<i>coarse</i> 360° <i>fine</i> 10°
Reading accuracy	0.5arcmin
Sensitivity	0.1arcmin
Wobble	1arcmin
Load capacity	<i>Horizontal</i> 60 kg
Material	Aluminium
Weight	3 kg

7R129V

Vacuum Compatible Precision Rotary Stage



7R129 is Vacuum Compatible Precision Rotary Stage with a micrometer screw. Fine motion range is 15° with resolution of 1 arcmin. The platform has mounting holes M6, M4. Precision rotary stage has an aperture M30x1 with clear aperture of 25 mm. Precision rotary stage can be fastened horizontally and vertically using M6 screws.

Specifications

Rotation range	<i>coarse</i> 360° resolution 1° <i>fine</i> 15°, resolution 1arcmin
Sensitivity	20arcsec
Reading accuracy	1arcmin
Wobble	1arcmin
Load capacity (H/V)	12kg /5kg
Max drive torque	0.3kgm

7R150V

Vacuum Compatible Rotation Stage



The main advantage of this precise rotation stage is that it has very compact dimensions and low-profile together with the great aperture in the middle. This rotation stage has two modifications with different apertures: M27x1 or 30 mm. 7R150V doesn't need additional adapter plate to be mounted on any surface as it has 3 M6 holes on bottom.

Specifications

Rotation range	360°
Sensitivity	0.4 arcmin
Reading accuracy	2 arcmin
Resolution	2 arcmin
Wobble	0,6 arcmin
Eccentricity	10 μm
Load capacity: (H/R)	8,0 kg/1,7kg
Weight	0,55 kg

S I U T A B L E F O R V A C U U M