

VACUUM COMPATIBLE ROTATION STAGES

Suitable for Torr 10^{-6} vacuum

8MR190V-2

Vacuum Compatible Motorized Rotation Stage



Vacuum Compatible Motorized Rotation Stage is another example of conversion of standard rotation stage into vacuum compatible stage. It incorporates all features from it's standard sibling - a 360° precise rotation, 0.01° accuracy and load capabilities. The stages is made with 2" (50.8mm) central hole. The connectors are made of glass filled polymer with a stainless steel outer.

Specifications

Rotation range	360°
Resolution <i>in full step</i>	0.6arcmin
Max.rotation speed	2turn/min
Backlash	0
Wobble	0.5arcmin
Eccentricity	10µm
Load capacity (H/R)	10kg/2kg
Torque	0.6Nm
Weight	1kg

8MR190V-90

Large Vacuum Compatible Motorized Rotation Stage



Hardened steel with aluminium body
Large diameter ball bearings
Worm Gear Ratio is 1:120
Hall-effect reference limit switch
Stepper motor or DC motor with encoder
Motor can be optionally equipped with the reduction gear
Very high load capacity

Specifications

Rotation range	360°
Resolution <i>in full step</i>	54 arcsec
<i>in 1/8 step</i>	6,75 arcsec
Max.rotation speed	4turn/min
Backlash	40 arcsec. max
Wobble	40 µRa
Load capacity (H/R)	40kg/20kg
Weight	5,7kg

8MR191V

Vacuum Compatible Motorized Rotation Stage



360° rotation graduated in 1°
Three types of platform:
- without central hole (8MR191)
- M27x1 for 1" optics mounting (8MR191-1)
- Ø30mm aperture (8MR191-30)

Specifications

Rotation range	360°
Resolution <i>in full step</i>	0.6arcmin
Max.rotation speed	2turn/min
Backlash	0
Wobble	0.5arcmin
Eccentricity	10µm
Load capacity (H/R)	10kg/2kg
Weight	1kg

8MR174V-11

Vacuum Compatible Motorized Rotation Stage



High vacuum compatible Sub-D, male or female, 9 or 15 pin connectors can be ordered separately. The connectors are made of glass filled polymer with a stainless steel outer and suitable for High Vacuum and temperatures up to 110°C.

Specifications

Rotation range	360°
Resolution <i>in full step</i>	0.015arcmin
Max.rotation speed	50°/s
Wobble	1arcmin
Eccentricity	10µm
Load capacity (H/R)	4kg/1,5kg
Weight	0,45kg

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