



SR-2812 - Rotation Stage

A tailored, backlash-free ceramic bearing leads to a very high accuracy and an extremely low radial runout. This stage is available with different options like ultra-high vacuum compatibility or as a fully non-magnetic version. The SR-2812 is a small closed-loop rotation stage with an aperture opening of 9 mm.

| | Mechanical |
|---------------------------------|--|
| Travel [°] | ∞ |
| Blocking Torque [Ncm] | ≥ 3 |
| Max. Normal Force [N] | 3 |
| Dimensions [mm] | 37.5 x 30 x 12 |
| Weight [g] | 35 |
| Aperture [mm] | 9 |
| | Open-loop |
| Angular Velocity [°/s] | > 30 |
| Open-Loop Resolution (H)CU [μ°] | < 100 |
| Open-Loop Resolution MCS2 [μ°] | < 2 |
| | Closed-Loop |
| Sensor Types | S |
| Sensor Resolution [μ°] | 25 |
| Angular Velocity [°/s] | > 30 |
| | Options |
| Material Options | Aluminum as standard; steel base (-ST); titanium base (-TI); |
| Performance Options | Higher blocking torque |
| Vacuum Options | HV (1E-6 mbar); UHV (1E-11 mbar) |
| Non-Magnetic Option | Yes (-NM) |