

GO Rotation Stage

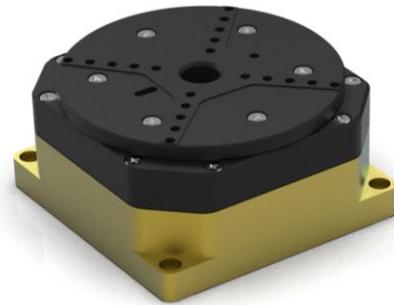
Precise & Powerful

Rotational Motion

Micro Degree Resolution Motion Around One Axis

The PRECIBEO GO Rotation Stage provides up to 90 mNm torque, moves with smooth continuous motion and is self-locking at rest.

The PRECIBEO GO Rotation Stage is easily controlled through the GO Controller and the GO Motion Windows App. C++ DLLs are available for easy programmatic integration.



Technical Specification

| MODEL (GO ROTATION STAGE) | RS4545 |
|-------------------------------------|--|
| POSITIONING | |
| TRAVEL $\Theta(Z)$ | ∞ |
| POSITION SENSOR | Absolute Optical Encoder |
| SENSOR RESOLUTION | 10 μ° |
| MIN INCREMENTAL MOTION | 10 μ° |
| MOTION | |
| MAX OPERATING TORQUE (PUSH / PULL) | 90 mNm (min.) |
| HOLDING TORQUE (WHEN POWER IS OFF) | 90 mNm (min.) |
| MAX SPEED (AT NO LOAD) | 35 $^\circ/s$ |
| MAX SPEED (AT MAX OPERATING TORQUE) | 20 $^\circ/s$ (min.) |
| DRIVE TYPE | |
| MOTOR TYPE | Piezo Drive |
| MECHANICAL | |
| MAX LOAD | 2 kg |
| GUIDE TYPE | Pre-loaded Ball Bearing |
| SIZE | 45x45x23 mm |
| APERTURE | 6 mm |
| WEIGHT (W/O CABLE & CONNECTOR) | 140 g (+-10%) |
| MISCELLANEOUS | |
| CABLE | 2 m cable (+-5%) with ix Industrial™ connector |
| MATERIAL | Anodized Aluminum |

A high vacuum version for 10^{-6} mbar is available on request.

Order Information

Please contact us by phone (+46 18 700 13 40) or email (sales@precibeo.com) for any enquiries.

| PRODUCT | DESCRIPTION |
|-----------|--|
| GO-RS4545 | One GO Stage RS4545 with Cable and Connector including: <ul style="list-style-type: none"> 4 M2 screws for mounting the stage to a substrate. |

Disclaimer: Specifications of the product do not constitute a warranty of the properties. They are intended for information purposes only and are subject to change.