

# GO TipTiltStage

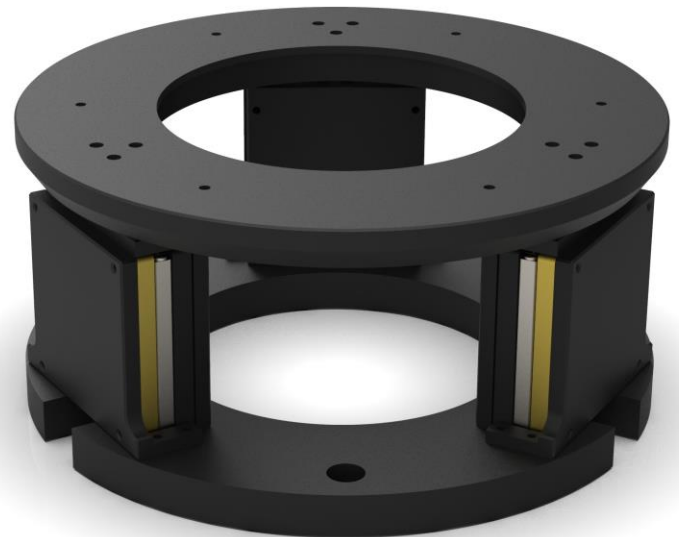
## Precise & Powerful

## Motion of One Plane

### Nanometer Resolution Alignment of One Plane

The PRECIBEO GO TipTiltStage is based on the precise and powerful GO Stages, which makes the GO TipTiltStage lift up to 1 kg and be self-locking at rest.

The PRECIBEO GO TipTiltStage 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 TIPTILTSTAGE
<b>POSITIONING</b>	
TRAVEL (Z)	+10 mm
TRAVEL $\Theta(X, Y)$	+/-3°
MIN INCREMENTAL MOTION (Z)	2 nm
MIN INCREMENTAL MOTION $\Theta(X, Y)$	< 0,1 $\mu$ rad
REPEATABILITY (Z)	+/- 200 nm
REPEATABILITY $\Theta(X, Y)$	+/- 15 $\mu$ rad
<b>MOTION</b>	
MAX OPERATING FORCE (PUSH / PULL)	(Z) 15 N (MIN.)
HOLDING FORCE (WHEN POWER IS OFF)	(Z) 18 N (MIN.)
MAX SPEED AT NO LOAD (Z)	8 mm/s
MAX SPEED WITH MAX LOAD ON TOP PLATE (Z)	>5 mm/s
<b>DRIVE TYPE</b>	
TIPTILTSTAGE BASE MODULE	PRECIBEO GO Stage LLS4545
<b>MECHANICAL</b>	
MAX LOAD CENTERED ON TOP PLATE	1 kg
DIAMETER	150 mm
HEIGHT	71 mm
<b>MISCELLANEOUS</b>	
CABLE FROM EACH OF THE 3 GO STAGES	2 m cable (+/-5%) with ix Industrial™ connector
MATERIAL	Aluminum

### Order Information

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

PRODUCT	DESCRIPTION
GO-TIPTILT1	One GO TipTiltStage with Cables and Connectors including: <ul style="list-style-type: none"> <li>One GO Controller with USB cable for connection with host computer.</li> </ul>

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.