

GO TipTiltStage

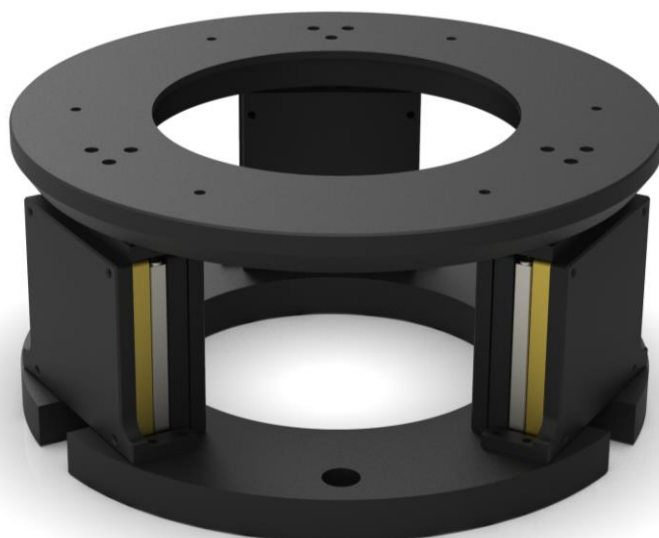
Precise & Powerful

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
POSITIONING	
TRAVEL (Z)	+/-10 mm
TRAVEL $\Theta(X, Y)$	+/-3°
MIN INCREMENTAL MOTION (Z)	2 nm
MIN INCREMENTAL MOTION $\Theta(X, Y)$	< 0,1 μ rad
REPEATABILITY (Z)	+/- 200 nm
REPEATABILITY $\Theta(X, Y)$	+/- 15 μ rad
MOTION	
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
DRIVE TYPE	
TIPTILTSTAGE BASE MODULE	PRECIBEO GO Stage LLS4545
MECHANICAL	
MAX LOAD CENTERED ON TOP PLATE	1 kg
DIAMETER	150 mm
HEIGHT	71 mm
MISCELLANEOUS	
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) for any enquiries.

PRODUCT	DESCRIPTION
GO-TIPTILT1	One GO TipTiltStage with Cables and Connectors.

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.