

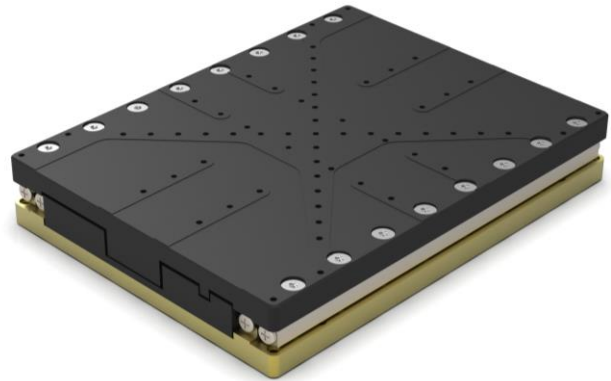
GO Stage LLS12595

Long Travel High Precision Motion

Long Travel Nanometer Resolution Motion

The PRECIBEO GO Stages move with nanometer precision over centimeter distances, lift up to 500 grams and are self-locking at rest.

The PRECIBEO GO Stages come with an integrated position sensor and are designed for delivering the precision, load capacity and ease of use needed for fast and simple set up.



Technical Specification

MODEL	GO STAGE LLS12595
POSITIONING	
TRAVEL (X)	90 mm
POSITION SENSOR	Optical Encoder
SENSOR RESOLUTION	2 nm
MIN INCREMENTAL MOTION	2 nm
BIDIRECTIONAL REPEATABILITY	+/- 200 nm (typ. @ +/- 45 mm travel)
STRAIGHTNESS & FLATNESS	+/- 4 µm (typ.)
PITCH	+/- 300 µrad (typ.)
YAW	+/- 300 µrad (typ.)
MOTION	
MAX OPERATING FORCE (PUSH / PULL)	5 N (min.)
HOLDING FORCE (WHEN POWER IS OFF)	6 N (min.)
MAX SPEED (AT NO LOAD)	8 mm/s
MAX SPEED (AT MAX OPERATING FORCE)	5 mm/s (min.)
DRIVE TYPE	
MOTOR TYPE	Piezo Drive
MECHANICAL	
MAX LOAD (IN X, Y OR Z DIRECTION)	0,5 kg
GUIDE TYPE	Crossed Roller Bearings
SIZE	125x95x20 mm
WEIGHT (W/O CABLE & CONNECTOR)	TBD g (+/-10%)
MISCELLANEOUS	
CABLE	2 m cable (+/-5%) with ix Industrial™ connector
MATERIAL	Anodized Aluminum

Order Information

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

PRODUCT	DESCRIPTION
GO-LLS12595	One GO Stage LLS12595 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.