

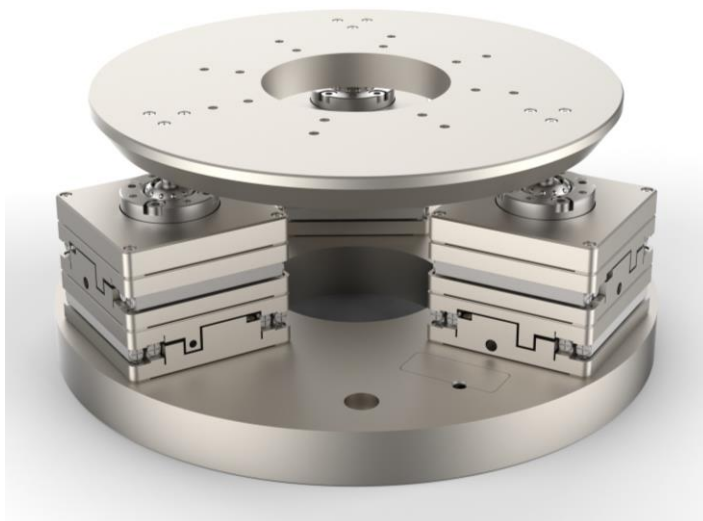
# GO XYR Stage HV

## Precise 3-Axis Motion in One Plane

### Nanometer Resolution Motion in One Plane

The GO XYR Stage HV is built for high vacuum environments down to 10<sup>-4</sup> Pa. The motorized stages come with PTFE coated wires in braided metal sleeves ended with a female D9SUB connector. Each stage also comes with an air side female D9SUB to ix-Industrial cable.

Connect the vacuum and air side cables to your D9SUB feedthrough, the air side ix-connector to the GO Controller, and you are ready to GO!



### Technical Specification

MODEL	GO XYR STAGE HV – 8 N	GO XYR STAGE HV – 16 N
<b>POSITIONING</b>		
TRAVEL (X, Y)	+/- 10 mm	
TRAVEL $\Theta$ (Z)	+/- 10°	
MIN INCREMENTAL MOTION (X, Y)	2 nm	
MIN INCREMENTAL MOTION $\Theta$ (Z)	< 0,1 $\mu$ rad	
REPEATABILITY (X, Y)	+/- 200 nm	
REPEATABILITY $\Theta$ (Z)	+/- 15 $\mu$ rad	
<b>MOTION</b>		
MAX OPERATING FORCE (PUSH / PULL)	(X) 10 N / (Y) 8 N	(X) 20 N / (Y) 16 N
HOLDING FORCE (WHEN POWER IS OFF)	(X) 12 N / (Y) 10 N	(X) 24 N / (Y) 20 N
MAX SPEED AT NO LOAD (X, Y)	8 mm/s	8 mm/s
MAX SPEED AT MAX PUSH/PULL FORCE	> 5 mm/s	> 1 mm/s
<b>DRIVE TYPE</b>		
HEXSTAGE BASE MODULE	PRECIBEO GO Linear Stage LS4545	
<b>MECHANICAL</b>		
MAX LOAD CENTERED ON TOP PLATE	10 kg	10 kg
DIAMETER	165 mm	
HEIGHT	73,5 mm	
<b>MISCELLANEOUS</b>		
VACUUM SIDE CABLE	3 pcs of 1 m cable (+5%) with f. D9SUB connector	
AIR SIDE CABLE	3 pcs of 2 m cable (+5%) with f. D9SUB & ix Industrial™ connectors	
MATERIAL	Anodized Aluminum	

### Order Information

Please contact us by phone ( [+46 18 700 13 40](tel:+46187001340) ) or email ([sales@precibeo.com](mailto:sales@precibeo.com)) for any enquiries.

PRODUCT	DESCRIPTION
GO-XYRHV-8N/16N	One GO XYR Stage HV 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.