

# GO HexStage 1 HV

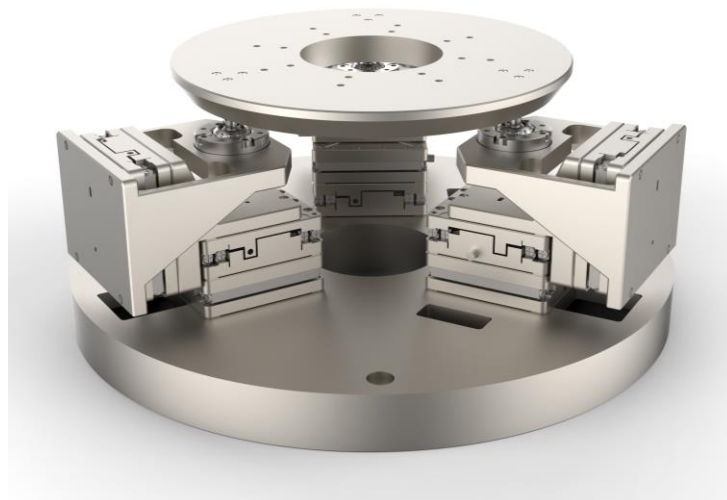
## Precise & Powerful

## 6-Axis Motion

### Nanometer Resolution Motion in 6 DOF

The GO HexStage 1 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 HEXSTAGE 1 HV – 15 N	GO HEXSTAGE 1 HV – 30 N
<b>POSITIONING</b>		
TRAVEL (X, Y, Z)	+/-10 mm	
TRAVEL $\Theta$ (X, Y, Z)	+/-10°	
MIN INCREMENTAL MOTION (X, Y, Z)	2 nm	
MIN INCREMENTAL MOTION $\Theta$ (X,Y,Z)	< 0,1 $\mu$ rad	
REPEATABILITY (X, Y, Z)	+/- 200 nm	
REPEATABILITY $\Theta$ (X, Y, Z)	+/- 15 $\mu$ rad	
<b>MOTION</b>		
MAX OPERATING FORCE (PUSH / PULL)	(X) 10 N / (Y) 8 N / (Z) 15 N	(X) 20 N / (Y) 16 N / (Z) 30 N
HOLDING FORCE (WHEN POWER IS OFF)	(X) 12 N / (Y) 10 N / (Z) 18 N	(X) 24 N / (Y) 20 N / (Z) 33 N
MAX SPEED AT NO LOAD (X, Y, Z)	8 mm/s	8 mm/s
MAX Z SPEED WITH MAX LOAD ON TOP	> 5 mm/s	> 1 mm/s
<b>DRIVE TYPE</b>		
HEXSTAGE BASE MODULE	PRECIBEO GO Stage LLS4545	
<b>MECHANICAL</b>		
MAX LOAD CENTERED ON TOP PLATE	1 kg	2,5 kg
DIAMETER	220 mm	
HEIGHT	85-105 mm	
<b>MISCELLANEOUS</b>		
VACUUM SIDE CABLE	6 pcs of 1 m cable (+/-5%) with f. D9SUB connector	
AIR SIDE CABLE	6 pcs of 2 m cable (+/-5%) with f. D9SUB & ix Industrial™ connectors	
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
<b>GO-HEX1HV-15</b>	One GO HexStage 1 HV with 15 N Z-push/pull-force and Vacuum & Air Side Cables, incl.: <ul style="list-style-type: none"> <li>2 daisy chained GO Controllers with USB cable for connection with host computer.</li> </ul>
<b>GO-HEX1HV-30</b>	One GO HexStage 1 HV with 30 N Z-push/pull-force and Vacuum & Air Side Cables, incl.: <ul style="list-style-type: none"> <li>2 daisy chained GO Controllers 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.