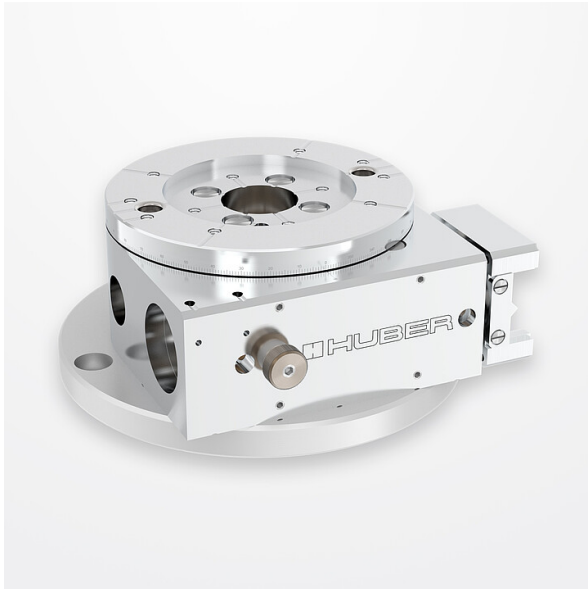




Goniometer 408

- four precision configurations
- two load configurations

Application specific versions:

- vacuum suitable
- antimagnetic
- radiation resistant
- in black

Modularly individually configurable:

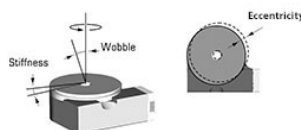
- from basic model to high-end system
- to multi-axis systems
- with individual transmission aperture
- with customer-specific hole pattern

Specifications:

Travel range [°]:	360
Material (housing/worm gear):	Aluminium/Bronze
Gear ratio:	180:1
Resolution [°]:	0.002 **
	0.001 minimum
Min. drive torque [Nm]:	0.05
Max. output torque [Nm]:	1.2
Stiffness [μrad/Nm]:	22
Weight [kg]:	1.5
Flange size [mm]:	32
Transm. aperture [mm]:	20

** step motor, 1000 steps/revolution

Precision configurations:



X1

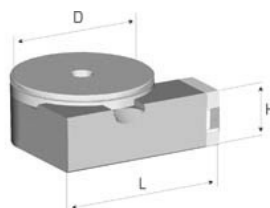
X2

X3

XE

Accuracy ["]:	≤60	40	25	on request
Repeatability (unidir.) ["]:	≤4	2	2	on request
Reversal error ["]:	≤30	20	10	on request
Eccentricity [μm]:	≤8	5	2	2
Wobble ["]:	≤18	10	8	8

Dimensions [mm]:



D:	L:	H:
80	95	40

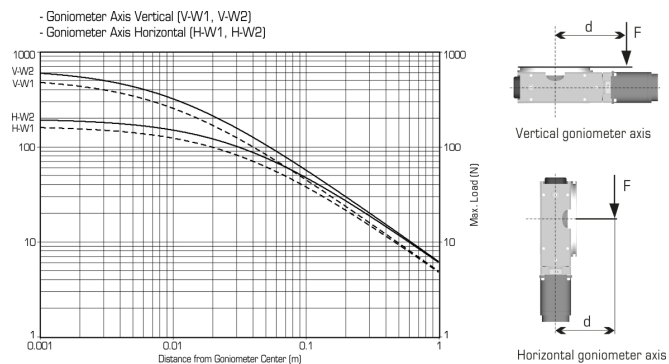
Accessories:

Motors:	2-/5-Ph. Servo/DC
Hand wheels:	0032
Gear boxes:	2042.10* 2042.20*
Limit switches:	optional
Zero-point control:	9100
Encoder XE :	incremental absolute
Control system:	9300

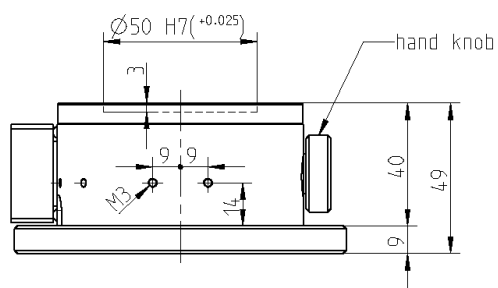
* adaptor required: M301.301-001

Load configurations:

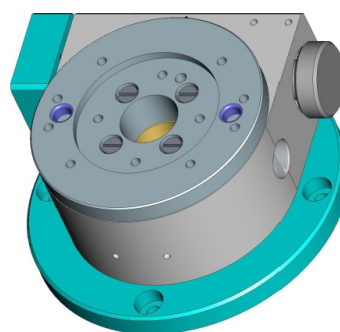
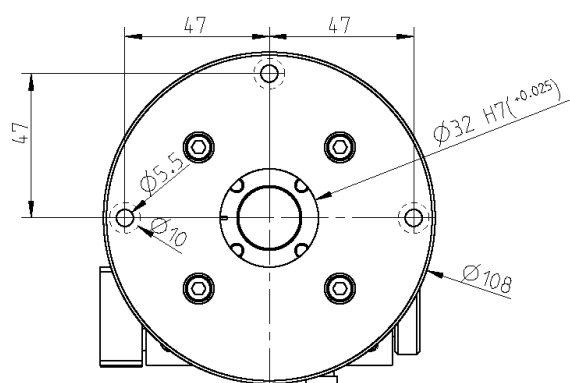
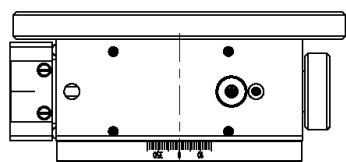
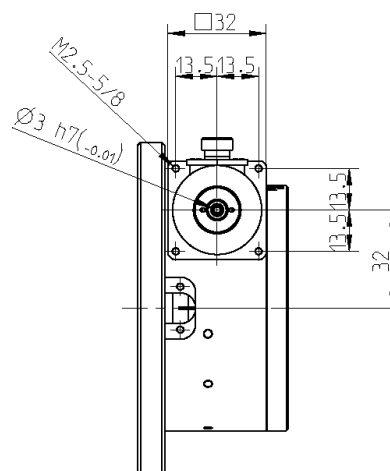
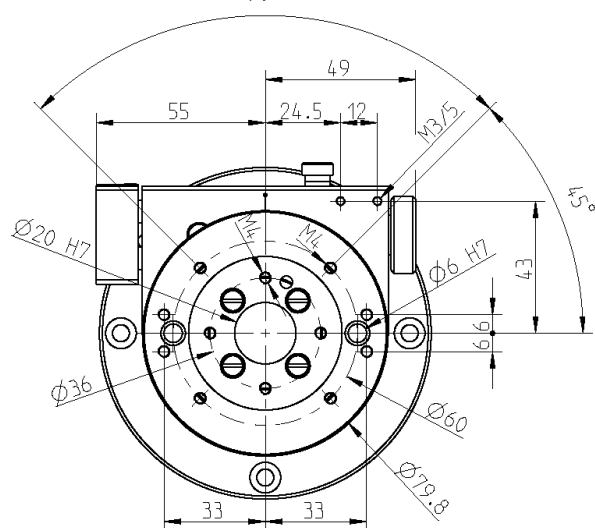
		vertical gonio. axis	horizontal gonio. axis
Max. load [N]	W1 :	400	125
Max. load [N]	W2 :	650	200



- vertical goniometer axis (V- **W1** , V- **W2**)
- horizontal goniometer axis (H- **W1** , H- **W2**)



top-view
90°



HUBER Goniometer 408

