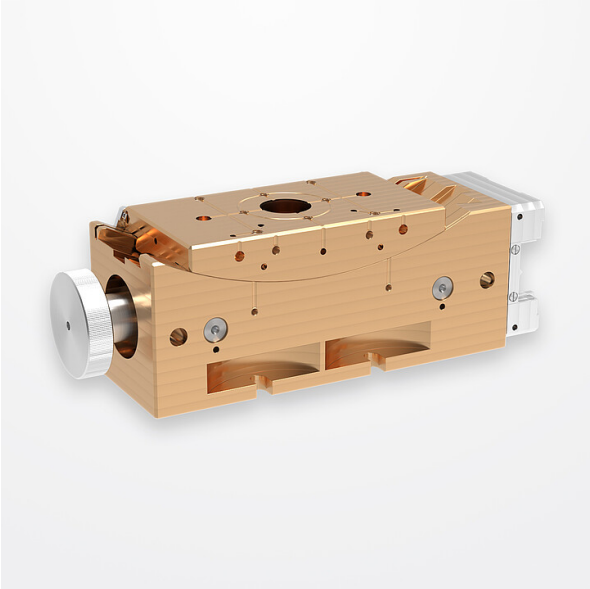


1-Circle Segment 5202.50

- multi-axis positioning systems possible by simple combination of stages (e.g. with 5102.20, 5103.20)
- high-precision worm gear drive with smoothed and tempered worm gear (self-locking)
- dovetail guides with fitted bronze slideways
- use of stress-relieved, highly resilient materials guarantees high system stability and long life
- robust surfaces through nickel-/chrome-treatment
- two precision configurations

Modularly individually configurable:

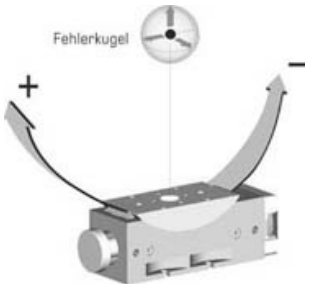
- from basic model to high-end system
- to multi-axis systems
- with customer-specific hole pattern

Specifications:

Travel range [°]:	+/- 20 (adjustable limit switches)
Material (housing/worm gear):	Bronze
Gear ratio:	360:1
Resolution [°]:	0.001*
	0.00005 minimum
Max. load [N]:	1000
Min. drive torque [Nm]:	0.45
Weight [kg]:	4 (without motor)
Flange size [mm]:	56

* step motor, 1000 steps/revolution

Precision configurations:



		X1	XE
Sphere of conf. [µm]:	(+/-)	12	12

Accuracy ["]:	(+/-)	25	on request
Repeatability (unidir.) ["]:	(+/-)	3	on request
Reversal error ["]:		6	on request

Application specific versions:

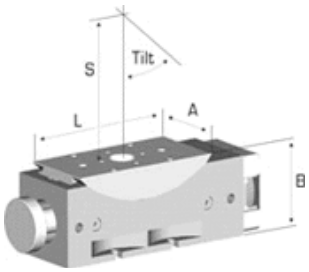
- vacuum suitable
- antimagnetic
- radiation resistant
- in black

Maximum load:

A general statement of maximum load and torque capacities is not possible for eccentric forces due to the amount of different configurations.

However, our engineers will gladly calculate the maximum load capacity for your specific application.

Dimensions:

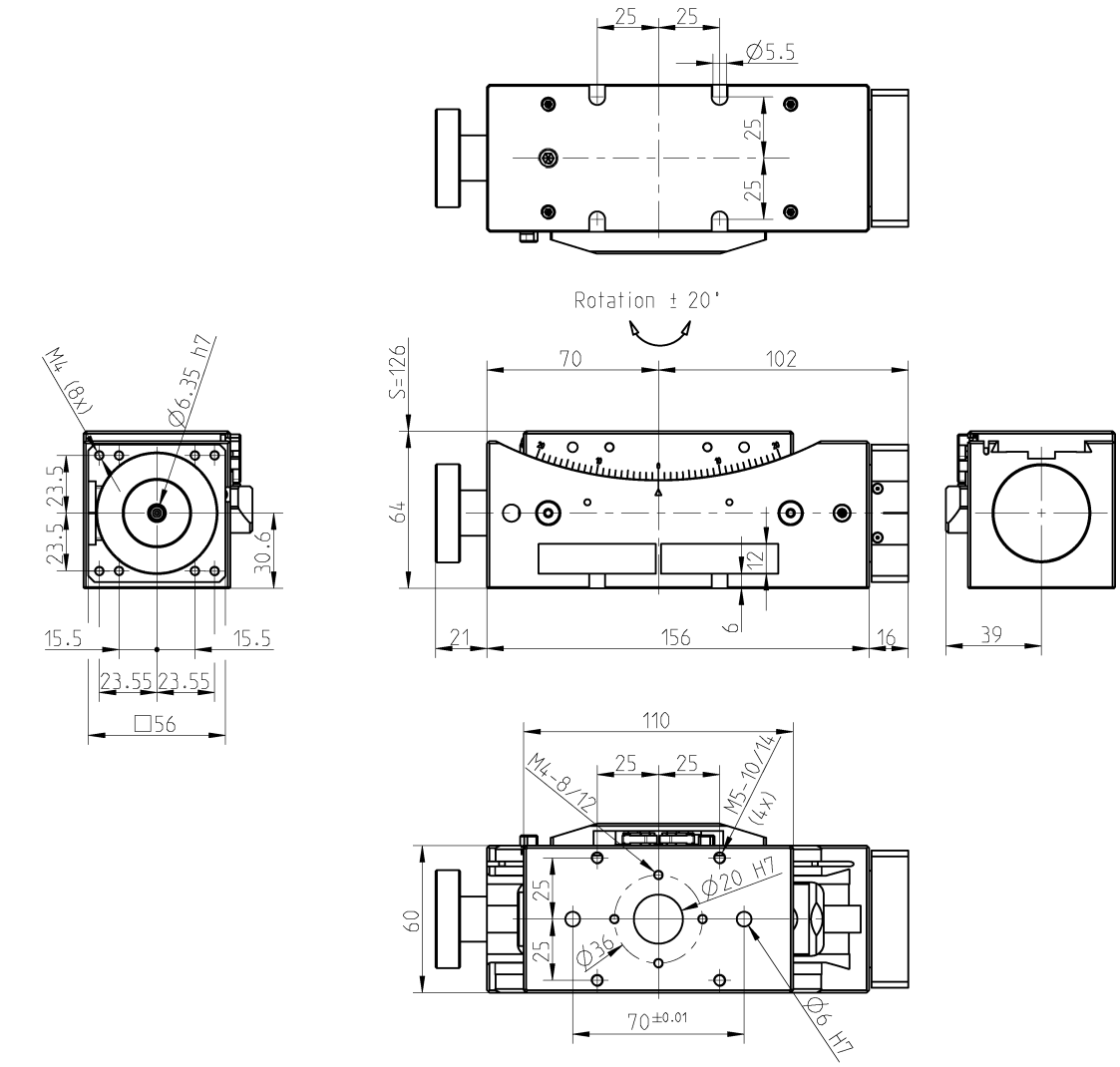


S [mm]:	Tilt [°]:	L [mm]:	A [mm]:	B [mm]:
126	+/- 20	110	60	64

Accessories:

Motors:	2-/3-/5-Ph.
	Servo/DC
Hand wheels:	0056
Gear boxes:	2056.05
	2056.10
	2056.20
Limit switches:	included
Zero-point control:	9100

Encoder XE	:	incremental
		absolute
Control system:		9300


25
25
Ø5.5
25
25
Rotation ± 20°
M4 (8x)
Ø6.35 h7
23.5
23.5
30.6
15.5
15.5
23.55
23.55
□56
S=126
70
102
64
12
6
21
156
16
39
110
M4-8/12
25
25
M5-10/14
(4x)
Ø20 H7
60
25
25
Ø36
70±0.01
Ø6 H7

