1-Circle Segment 5202.10

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

Modularly individually configurable:

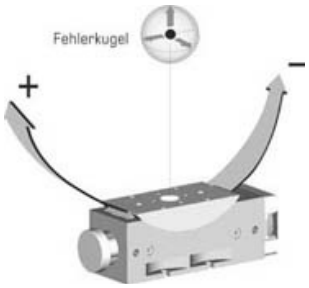
- from basic model to high-end system
- to multi-axis systems
- with customer-specific hole pattern

Specifications:

Travel range [°]:	+/- 15,5 (adjustable limit switches)
Material (base/slide:	Aluminium coated
Gear ratio:	360:1
Resolution [°]:	0.001*
	0.00005 minimum
Max. load [N]:	1000
Min. drive torque [Nm]:	0.6
Weight [kg]:	13 (without motor)
Flage size [mm]:	56

* step motor, 1000 steps/revolution

Precision configurations:



		X1	XE
Sphere of conf. [µm]:	(+/-)	10	10

Accuracy ["]:	(+/-)	6	on request
Repeatability (unidir.) ["]:	(+/-)	3	on request
Reversal error ["]:		6	0.1...

Application specific versions:

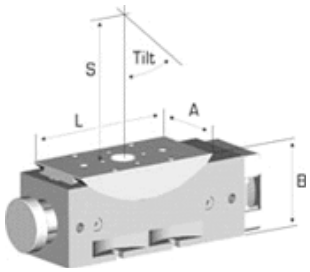
- vacuum suitable
- antimagnetic
- radiation resistant
- in black

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 wil gladly calculate the maximum load capacity for your specific application.

Dimensions:

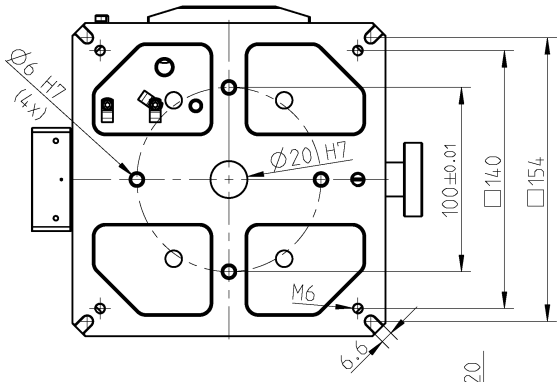


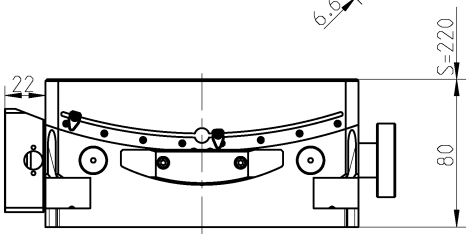
S [mm]:	Tilt [°]:	L [mm]:	A [mm]:	B [mm]:
220	+/- 17	170	170	80

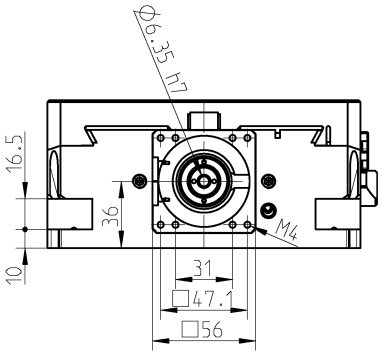
Accessories:

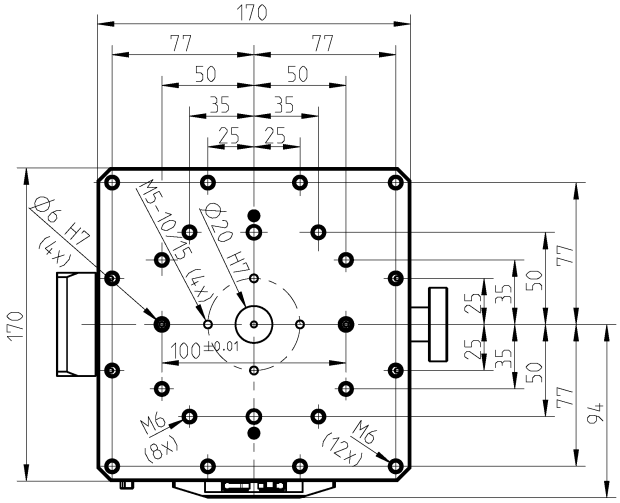
Motors:	2-/3-/5-Ph.
	Servo/DC
Hand wheels:	0056
Gear boxes:	2056.05
	2056.10
	2056.20
Limit switches:	included
Zero-point control:	9100

Encoder XE	:	incremental
		absolute
Control system:		9300


Ø6 H7
(4x)
Ø20 H7
100±0.01
□140
□154
M6
6.6


22
S=220
80


Ø6.35 H7
16.5
36
10
M4
31
□47.1
□56


170
77
77
50
50
35
35
25
25
Ø6 H7
(4x)
M5-10/15 (4x)
Ø20 H7
170
100±0.01
25
35
50
77
25
35
50
77
94
M6
(8X)
M6
(12X)