

1-Circle Segment 5202.07-S70

- multi-axis positioning systems possible by simple combination of stages
- 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

Modularly individually configurable:

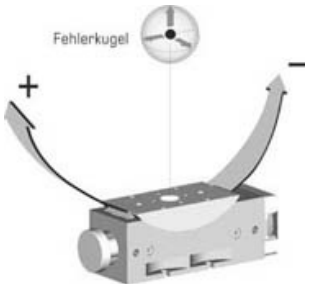
- realization of a two circle segment together with 5202.07-S90
- from basic model to high-end system
- to multi-axis systems
- with customer-specific hole pattern

Specifications:

Travel range [°]:	+/- 15 (limit switches)
Material (base/slide:	Bronze
Gear ratio:	360:1
Resolution [°]:	0.0025*
	0.0005 minimum
Max. load [N]:	30
Min. drive torque [Nm]:	0.05
Weight [kg]:	0,9 (without motor)
Flage size [mm]:	28

* step motor, 400 steps/revolution

Precision configurations:



		X1	XE
Sphere of conf. [µm]:	(+/-)	15	on request

Accuracy ["]:	(+/-)	15	on request
Repeatability (unidir.) ["]:	(+/-)	10	on request

Application specific versions:

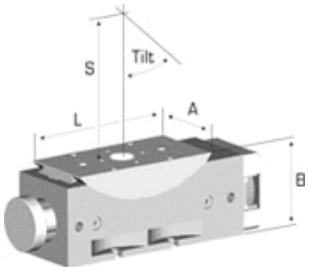
- vacuum suitable
- antimagnetic
- radiation resistant
- in black

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

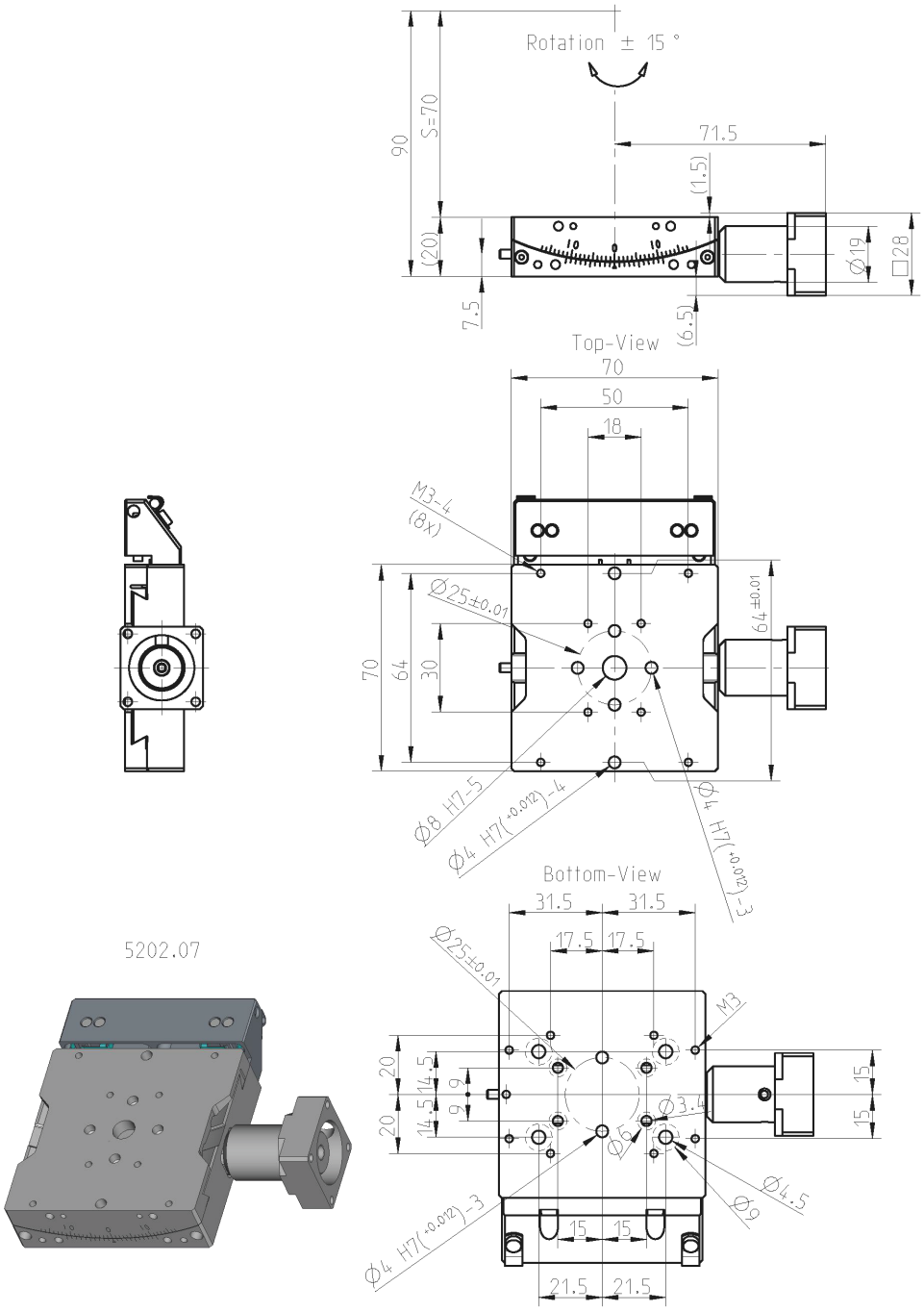
Dimensions:



S [mm]:	Tilt [°]:	L [mm]:	A [mm]:	B [mm]:
70	+/- 15	70	70	20

Accessories:

Motors:	2-/5-Ph.
	Servo/DC
Hand wheel	
Limit switches:	included
Zero-point control:	9100
Encoder XE :	incremental
	absolute
Control system:	9300


Rotation ± 15 °
90
S=70
71.5
(1.5)
(20)
7.5
(6.5)
Ø19
□28
Top-View
70
50
18
M3_4
(8x)
Ø25±0.01
64±0.01
70
64
30
Ø8 H7_5
Ø4 H7(+0.012)_4
Ø4 H7(+0.012)_3
Bottom-View
31.5
31.5
17.5
17.5
Ø25±0.01
M3
20
14.5
9
Ø3.4
Ø6
Ø4.5
Ø9
15
15
Ø4 H7(+0.012)_3
21.5
21.5

5202.07