

1-Circle Segment 5202.07

- multi-axis positioning systems possible by simple combination of stages (e.g. with 5102.10, 5103.A10)
- 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:

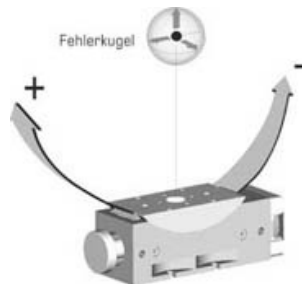
- from basic model to high-end system
- to multi-axis systems
- with customer-specific hole pattern

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)
Flange 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:

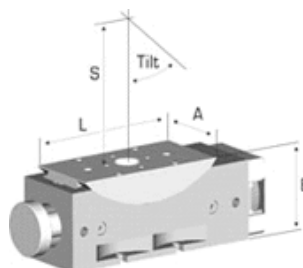
- vacuum suitable
- antimagnetic
- radiation resistant
- in black

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

Dimensions:



S [mm]:	Tilt [°]:	L [mm]:	A [mm]:	B [mm]:
90	+/- 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

