



2-Circle Segment 5203.20

- 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)
- slideways of the dovetail guides made of low-friction compressionproof plastic sliding surface and hard-coated aluminium
- minimal "Sphere of Confusion" through specially fitted guide tracks optimised to each other
- use of stress-relieved, highly resilient materials guarantees high system stability and long life
- robust surfaces through highly tensile hard-coated aluminium
- 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 [°]: +/- 18 upper axis (adjust. limit switches)

+/- 15 lower axis (adjust. limit switches)

Material (base/slide): Aluminium coated

Gear ratio: 360:1

Resolution [°]: 0.001*

0,00005 minimum

Sphere of conf. total [μ m]:+/- 5 Max. load [N]: 2000

Min. drive torque [Nm]: 0.45

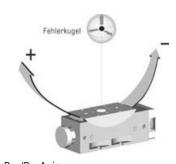
Weight [kg]: 9.5 (without motor)

Flange size [mm]: 56

Precision configurations:

^{*} step motor, 1000 steps/revolution





Rx-/Ry-Axis	XI	XE
Accuracy ["]:	<= +/- 15	on request
Repeatability (unidir.)["]:	<= +/- 2	on request
Reversal error ["]:	<= 10	on request

Application specific versions:

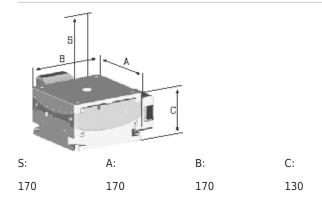
- vacuum suitable
- antimagnetic
- radiation restistant

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 [mm]:



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



