



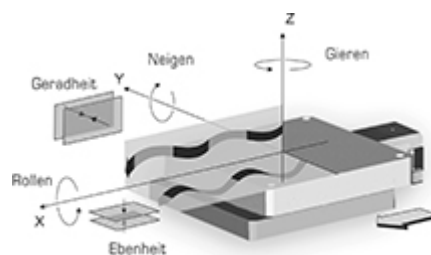
## XY-Stage 5102.20

- multi-axis positioning systems possible by simple combination of stages (e.g. with 5203.20, 5103.20)
- high-precision trapezoidal spindle drive with smoothed and tempered spindle (self locking)
- wear resistant delta bronze spindle nut
- mounting of drive spindle free of play
- use of low-friction guides results in optimum fine adjustment due to high reproducibility of minimum system step distance
- use of stress-relieved, highly resilient materials guarantees high system stability and long life
- robust surfaces through galvanic anodisation
- three precision configurations ( **X2** : values on request)

## Specifications:

Travel range [mm]:	+/- 15
Material (base/slide):	Aluminium
Spindle pitch [mm]:	2
Max. load [N]:	2000
Min drive torque [Nm]:	0.3
Stiffness ["/Nm]:	2
Weight [kg]:	7.5

## Präzisionsklassen:



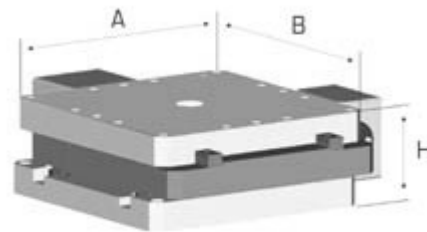
		<b>X1</b>	<b>XE</b>
Accuracy [μm]:	(+/-)	5	on request
Repeatability (unidir.) [μm]:	(+/-)	2	on request
Reversal error [μm]:		6	on request
Flatness [μm]:	(+/-)	2	2
Straightness [μm]:	(+/-)	2	2
Yaw ["]:	(+/-)	6	6

Pitch ["]:	(+/-)	6	6
Roll ["]:	(+/-)	6	6

X2 : values on request

### Dimensions [mm]:

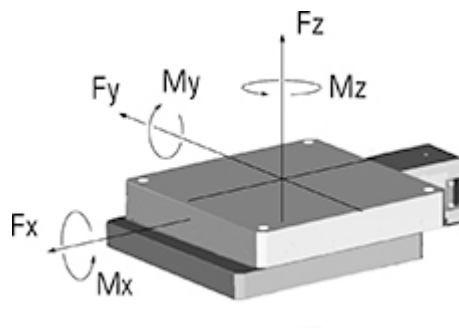
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A:	B:	H:
170	170	62

### Maximum load:

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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.

### Accessories:

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Motors:	2-/3-/5-Ph. Servo/DC
Hand wheels:	0056
Gear boxes:	2056.05

	2056.10
	2056.20
Limit switches:	included
Adjustable limit switches:	optional
Zero-point control:	9100
Encoder:	incremental
	absolute
Control system:	9300

### Modularly individually configurable:

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

### Application specific versions:

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- vacuum suitable
- antimagnetic
- radiation resistant
- in black

