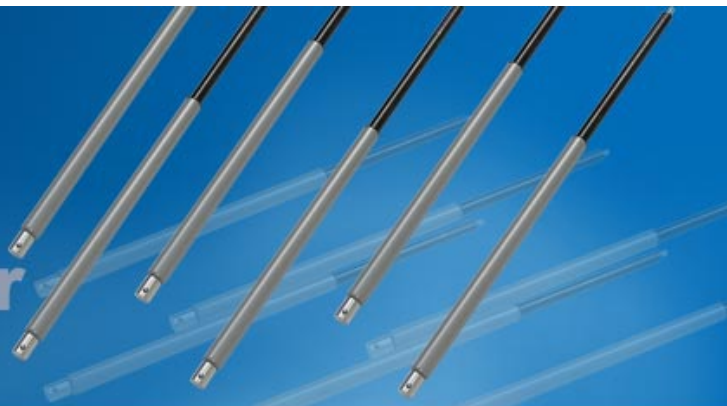


# A-Zylinder

## A-Cylinder



### A-Cylinder

### A-Cylinder (guided cylinder)

Addition guide not required

Further guiding of the A-Cylinder is not required

A wide variety of A-Cylinder variations are available out of the gas spring production, guaranteeing our usual high quality. The A-Cylinder can be mounted directly on moveable part of the application. Further guiding of the A-Cylinder is not needed.

#### Product features:

- max. weight 600 kg per system
- stroke length from 150 mm to 400 mm
- force per A-Cylinder required to compress: 50N
- several connecting parts
- special A-Cylinder designs on request

stroke	cylinder tube length (EL2)	diameter piston rod/ cylinder	model	max weight per cylinder	speed*	order number incl connecting parts
150mm	315 mm (stroke + 179mm)	22/28 mm	1	100 kg	fast	ZA213150-ABAW
			2	150 kg	normal	ZA216150-ABAW
200mm	365 mm (stroke + 179mm)	22/28 mm	1	100 kg	fast	ZA213200-ABAW
			2	150 kg	normal	ZA216200-ABAW
300mm	465 mm (stroke + 179mm)	22/28 mm	1	100 kg	fast	ZA213300-ABAW
			2	150 kg	normal	ZA216300-ABAW
400mm	565 mm (stroke + 179mm)	22/28 mm	1	100 kg	fast	ZA213400-ABAW
			2	150 kg	normal	ZA216400-ABAW

\* dependent also on selected actuation

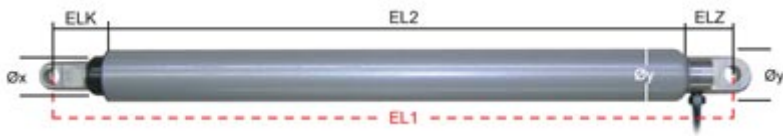
#### Model:

The pump must be selected in correspondence with the adjustment cylinder model..

**Model 1:** fast speed (6 - 8 mm per pump rotation), normal load up to 100 kg per Cylinder.

**Model 2:** high load up to 150 kg per Cylinder, normal speed (4 - 5,3 mm per pump rotation).

#### Inserted length calculation:



The length is always calculated with retracted piston rod.

The complete length of the A-Cylinder is calculated as follows:

$$EL1 = EL2 + ELK + ELZ$$

EL2: length of retracted cylinder (see table above)

ELK: length of connecting part including piston rod (piston rod retracted)

ELZ: length of cylinder side connecting part



### Connecting parts A-Cylinder

#### Connecting parts piston rod:

##### female thread:

Order number: AA

female thread for fixing the piston rod

M10 x 15

ELK = 0 mm



##### Mounting hole:

Order number: AB

Mounting hole for fixing the piston rod

Ø mounting hole: 8mm +0.036/-0.000

ELK = 20 mm



##### Thread:

Order number: AC

Thread for fixing the piston rod

Thread: M10 x 15

ELK = 0 mm



	Female thread	Mounting hole	Thread
Order number	AA	AB	AC
length connecting part (ELK)	0mm	20mm	0mm

#### Connecting part cylinder:

**Mounting hole:**

Order number: AW

Hole for fixing the cylinder

Ø mounting hole: 8 mm +0.036/-0.000

angular connector for tube

ELK = 25 mm

**Stud:**

Order number: AX

Stud for fixing the cylinder

connector for tube straight connector

ELK =15 mm

**Stud:**

Order number: AY

Stud for fixing the cylinder

connector for tube angular connector

ELK =15 mm

**Disc:**

Order number: AZ

disc for fixing the cylinder (e.g. on the table top)

angular connector for tube

ELK =15 mm



	Mounting hole	Stud	Disc
Order number	AW	AX or AY	AZ
length connecting part (ELZ)	25mm	15mm	15mm