

Z-Zylinder

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**NEU
NEW**



Z-Cylinder

Combination of hydraulic adjustment cylinder and gas traction spring

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No external compression force (load) required

Not only gas spring components are used for this cylinder adjustment variation but additionally our gas spring technology. The Z-Cylinder is a combination of hydraulic adjustment cylinder and gas traction spring. The Z-Cylinder variation allows the system to be compressed without the need of external compression force (load). It can be installed in any position.

Product features:

- No external compression force required
- max. weight 600 kg per system
- stroke length from 150 mm to 400 mm
- Standard compression force: 100N
- several [connecting parts](#) available
- Special Z-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	245 mm (stroke + 96 mm)	10/28 mm	1	100 kg	fast	ZZ413150-A1ZW
			2	150 kg	normal	ZZ416150-A1ZW
200mm	295 mm (stroke + 96 mm)	20/28 mm	1	100 kg	fast	ZZ413200-A1ZW
			2	150 kg	normal	ZZ416200-A1ZW
300mm	395 mm (stroke + 96 mm)	10/28 mm	1	100 kg	fast	ZZ413300-A1ZW
			2	150 kg	normal	ZZ416300-A1ZW
400mm	495 mm (stroke + 96 mm)	10/28 mm	1	100 kg	fast	ZZ413400-A1ZW
			2	150 kg	normal	ZA413400-A1ZW

*speed depends 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 Z-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 Connecting parts piston rod:

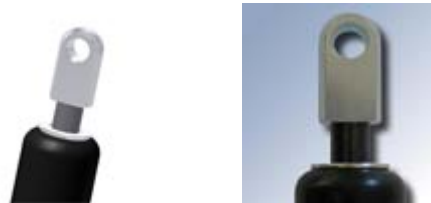
Z-Cylinder

Hinge eye:

order number: A1

mounting hole: 8,2mm +0.036/-0.000

ELK = 20 mm



Thread:

order number: H0

M8 x 9



	Hinge eye	Thread
Order number	A1	H0
Length connecting parts (ELK)	20 mm	0 mm

Mounting hole:

Order number: ZW

Hole for fixing the cylinder
Ø mounting hole: 8 mm +0.036/-0.000
angular connector for tube
ELK = 25 mm



Stud:

Order number: ZX

Stud for fixing the cylinder
connector for tube straight connector
ELK =15 mm



Stud:

Order number: ZY

Stud for fixing the cylinder
Connector for tube angular connector
ELK =15 mm



Disc:

Order number: ZZ

disc for fixing the cylinder (e.g. on the
table top)
angular connector for tube
ELK =15 mm



	Mounting hole	Stud	Disc
Order number	ZW	ZX oder ZY	ZZ
Length connecting part (ELZ)	25mm	15mm	15mm