

adjustable

Hydraulic Damper (HB)



Size 6/15

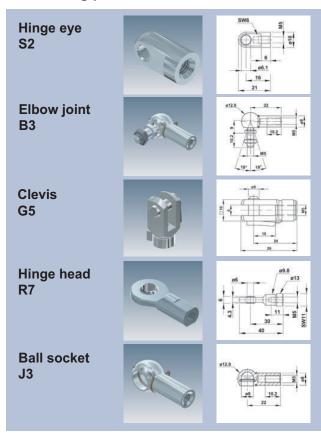
adjustable: (Extension and compression force 20N to 800N)

connecting part piston rod	connecting part cylinder	model	damping options	size	stroke	EL1	max force in pull in direction	max force in push out direction
V0	V0	X	Α	6	100	240*		
V0 = Thread	V0 = Thread	X	A = pull out	6 = 6/15	25	90*	800 N	800 N
S2 = Hinge eye	S2 = Hinge eye	Υ	E = push in		50	140*	800 N	800 N
B3 = Elbow joint	B3 = Elbow joint		B = both directions		75	190*	800 N	800 N
G5 = Clevis	G5 = Clevis				100	240*	350 N	800 N
R7 = Hinge head	R7 = Hinge head				150	340*	300 N	800 N
J3 = Ball socket	J3 = Ball socket							

^{*} the length of chosen connecting parts has to be added

EL1 = EL2 + connecting parts

Connecting parts



Technical advices:

- The dampers will be adjusted by turning the piston rod either in completely extended or inserted position (Type Y only in cempletely extended position)
- Due to constructional reasons, the dampers of Type X have a free travel of approx. 20 %
- Dampers without free travel are available with floating piston (Type Y). Maximum extension force = 50N. Please indicate in case of an order. EL2 = 2.45 x stroke + 47
- Chosen connecting parts have to be secured against rotation by the customer.
- Material: Piston rod: CeramPro®-coated Cylinder: black powder-coated
- You can find general information and technical details in our main catalogue.
- Customized specifications are available on request

The flyer is subject to technical alterations and printing mistakes.

Bansbach easylift GmbH

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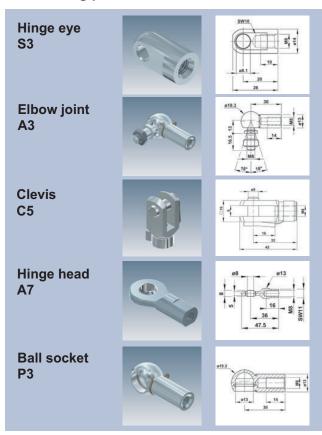
Size 8/22

adjustable: (Extension and compression force 30N to 1.800N)

connecting part piston rod	connecting part cylinder	model	damping options	size	stroke	EL1	max force in pull in direction	max force in push out direction
В0	N0	X	Α	1	100	250*		
B0 = Thread	N0 = Thread	Х	A = pull out	1 = 8/22	50	150*	1.800 N	1.800 N
S3 = Hinge eye	S3 = Hinge eye	Y	E = push in		100	250*	1.800 N	1.800 N
A3 = Elbow joint	A3 = Elbow joint		B = both directions		150	350*	1.800 N	1.800 N
C5 = Clevis	C5 = Clevis				200	450*	1.000 N	1.800 N
A7 = Hinge head	A7 = Hinge head				250	550*	1.000 N	1.800 N
P3 = Ball socket	P3 = Ball socket							

^{*} the length of chosen connecting parts has to be added EL1 = EL2 + connecting parts

Connecting parts



Technical advices:

- The dampers will be adjusted by turning the piston rod either in completely extended or inserted position (Type Y only in cempletely extended position)
- Due to constructional reasons, the dampers of Type X have a free travel of approx. 20 %
- Dampers without free travel are available with floating piston (Type Y). Maximum extension force = 100N. Please indicate in case of an order. EL2 = 2.38 x stroke + 55
- Chosen connecting parts have to be secured against rotation by the customer.
- Material:

Piston rod: CeramPro®-coated Cylinder: black powder-coated

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Size 10/28

adjustable: (Extension and compression force 30N to 3.000N)

connecting part piston rod	connecting part cylinder	model	damping options	size	stroke	EL1	max force in pull in direction	max force in push out direction
Н0	N0	X	Α	3	300	660*		
H0 = Thread S3 = Hinge eye A3 = Elbow joint C5 = Clevis A7 = Hinge head P3 = Ball socket	N0 = Thread S3 = Hinge eye A3 = Elbow joint C5 = Clevis A7 = Hinge head P3 = Ball socket	X Y	A = pull out E = push in B = both directions	3 = 10/28	100 150 200 250 300 350 400 500	260* 360* 460* 560* 660* 760* 860*	3.000 N 3.000 N 3.000 N 3.000 N 2.500 N 2.000 N 1.500 N 1.000 N	3.000 N 3.000 N 3.000 N 3.000 N 3.000 N 3.000 N 3.000 N 3.000 N

Connecting parts

Hinge eye S3

Elbow joint A3

Clevis C5

Hinge head A7

Ball socket P3

Technical advices:

- The dampers will be adjusted by turning the piston rod either in completely extended or inserted position (Type Y only in cempletely extended position)
- Due to constructional reasons, the dampers of Type X have a free travel of approx. 20 %
- Dampers without free travel are available with floating piston (Type Y). Maximum extension force = 100N. Please indicate in case of an order. EL2 = 2.35 x stroke + 60
- Chosen connecting parts have to be secured against rotation by the customer.
- Material:

Piston rod: CeramPro®-coated Cylinder: black powder-coated

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^{*} the length of chosen connecting parts has to be added EL1 = EL2 + connecting parts



Size 14/40

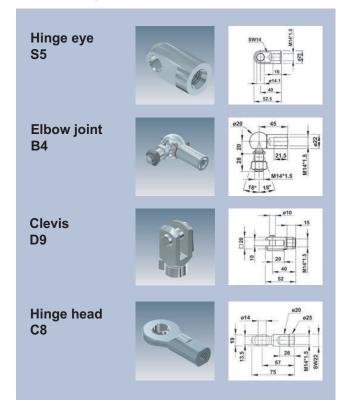
adjustable: (Extension and compression force 30N to 10.000N)

connecting part piston rod	connecting part cylinder	model	damping options	size	stroke	EL1	max force in pull in direction	max force in push out direction
Z 0	Z 0	X	Α	В	400	875*		
Z0 = Thread S5 = Hinge eye B4 = Elbow joint D9 = Clevis C8 = Hinge head	Z0 = Thread S5 = Hinge eye B4 = Elbow joint D9 = Clevis C8 = Hinge head	X	A = pull out E = push in B = both directions	B = 14/40	100 150 200 300 400 500 600 700 800	275* 375* 475* 675* 875* 1.075* 1.275* 1.475* 1.675*	10.000 N 10.000 N 10.000 N 10.000 N 8.000 N 6.000 N 4.000 N 3.000 N 3.000 N	10.000 N 10.000 N 10.000 N 10.000 N 10.000 N 10.000 N 10.000 N 10.000 N

^{*} the length of chosen connecting parts has to be added

EL1 = EL2 + connecting parts

Connecting parts



Technische Hinweise:

- The dampers will be adjusted by turning the piston rod either in completely extended or inserted position (Type Y only in cempletely extended position)
- Due to constructional reasons, the dampers of Type X have a free travel of approx. 20 %
- Dampers without free travel are available with floating piston (Type Y). Maximum extension force = 200N. Please indicate in case of an order. EL2 = 2.32 x stroke + 82
- Chosen connecting parts have to be secured against rotation by the customer.
- Material:

Piston rod: CeramPro®-coated Cylinder: black powder-coated

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Technical advices / installation recommendations

To consider:

- The maximum loads in push and pull direction may not be exceeded.
- There must be a mechanical limit stop approx. 1 2 mm before end of stroke.
- Mounting of the dampers is in any position possible.
- The connecting parts should be secured against rotation.
- Due to constructional reasons, Type X has a free travel of approx. 20 %
- For a function without free travel, Type Y has to be chosen.

Adjustment of the dampers:

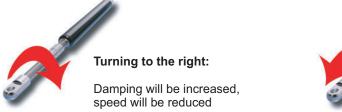
- An adjustment is only possible in completely inserted or extended position -

The damping force can be adjusted by turning the piston as described below. Thereby, the length EL2 will be extended by max. 6 mm.

Please take care during the adjustment that you don't damage the adjustment segment by turning it too strong against the limit stop. In case of considerable resistance, please stop the adjustment.

The dampers of **Type X** can be adjusted either **in completely inserted or extended** position. The dampers of **Type Y** can be adjusted **in completely extended** position.

- 1. Hold the cylinder.
- 2. Adjust the damper by turning the piston rod. In case of adjustment with extended piston rod, please pull the piston rod slightly during the turning process until the piston locks. In case of adjustment with inserted piston rod, the piston rod has to be pushed slightly until it locks.





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