

End Fitting

Standard Dimensions

End Fitting

A8



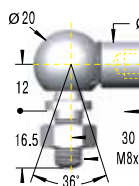
Eye A8
max. force 3000 N

B8



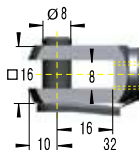
Stud Thread B8

C8



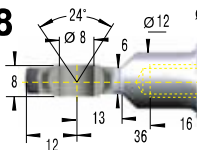
Angle Ball Joint C8
max. force 1200 N

D8



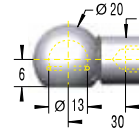
Clevis Fork D8
max. force 3000 N

E8



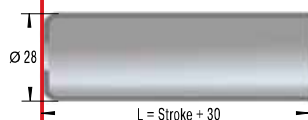
Swivel Eye E8
max. force 3000 N

G8



Ball Socket G8
max. force 1200 N

Rod Shroud W8-22



Dimensions

Type	Stroke mm	L extended	1 Max. Compression Force N
HB-22-50	50	153	1 800
HB-22-100	100	253	1 800
HB-22-150	150	353	1 800
HB-22-200	200	453	1 000
HB-22-250	250	553	1 000

1 Max. extension force for all stroke lengths 1800 N.

Ordering Example

Type (Hydraulic Damper) **HB-22-150-DD-M**
 Body Ø (23 mm)
 Stroke (150 mm)
 Piston Rod End Fitting D8
 Body End Fitting D8
 Damping Direction (M = out stroke only)

Damping Options

P = Damping in both directions
 N = Damping on in stroke only
 M = Damping on out stroke only
 X = Special model suffix

The end fittings are interchangeable and must be positively secured by the customer to prevent unscrewing (i.e. Loctite). For mounting accessories see page 186.

Technical Data

On request: Special lengths, alternative seals and end fittings.

Mounting: In any position. End fittings must be positively secured to prevent unscrewing.

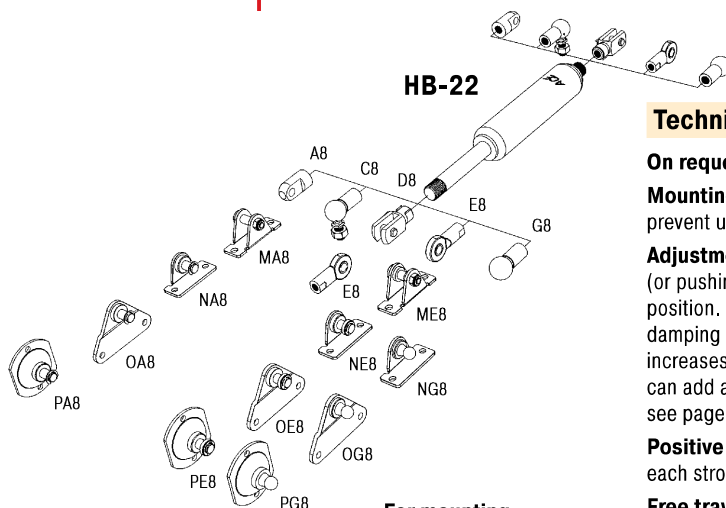
Adjustment: Adjustment of the damping rate is achieved by pulling (or pushing) the piston rod to its fully extended (or compressed) position. Whilst still pulling the piston rod turn it clockwise to increase damping and anti-clockwise to decrease damping. If the resistance increases noticeably, stop adjusting to avoid damage. The adjustment can add a max. of 6 mm to the L dim. shown (adjustment instruction see page 145).

Positive stop: Provide mechanical stops 1 to 1.5 mm before end of each stroke direction.

Free travel: Construction of standard damper results in a free travel of approx. 20 % of stroke.

Material: Body: Black coated steel. Piston rod: With wear-resistant coating. End fittings: Zinc plated steel.

Separator piston: Available as a special option to remove free travel. Also provides extension force of min. 50 N. Dimension: L = 2.38 x stroke + 55 mm. Part number: Add suffix -T.



For mounting accessories see page 186.