

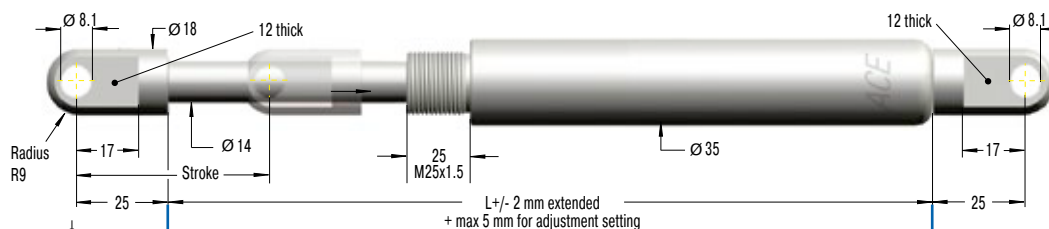
Adjustable, Without Free Travel, Compression and extension force 30 N to 10,000 N

End Fitting

Standard Dimensions

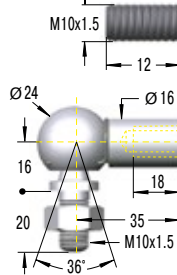
End Fitting

A10

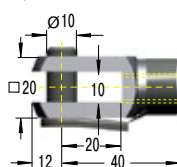
Eye **A10**
max. force 10,000 N

B10

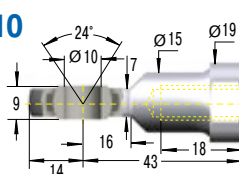
C10

Stud Thread **B10**Angle Ball Joint **C10**
max. force 1,800 N

D10

Clevis Fork **D10**
max. force 10,000 N

E10

Swivel Eye **E10**
max. force 10,000 N

Performance and Dimensions

TYPES	Stroke mm	L extended mm	¹ Compression force max. N	¹ Compression force with MBS max. N
HBS-35-100	117	487	10,000	10,000
HBS-35-150	167	637	7,500	10,000
HBS-35-200	217	787	5,150	10,000
HBS-35-300	317	1,087	2,850	10,000
HBS-35-400	417	1,387	1,800	10,000
HBS-35-500	517	1,687	1,240	10,000
HBS-35-600	617	1,987	910	8,600
HBS-35-700	717	2,287	690	6,500
HBS-35-800	817	2,587	540	5,100

¹ Max. extension force for all stroke lengths 10,000 N.

Ordering Example

HBS-35-300-EE-N

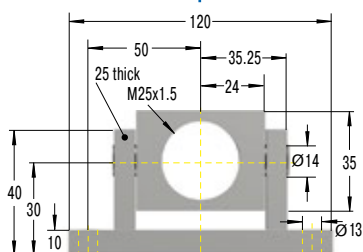
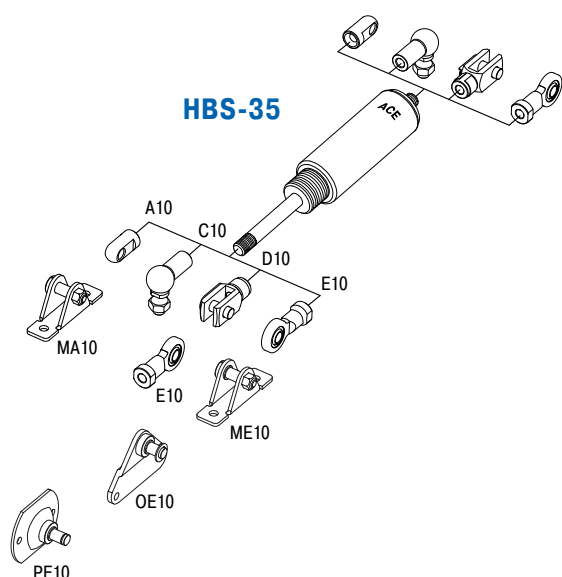
Type (Hydraulic Damper) _____
 Body Ø (35 mm) _____
 Stroke (300 mm) _____
 Piston Rod End Fitting E10 _____
 Body End Fitting E10 _____
 Damping Direction (N = in stroke only) _____

Model Type Prefix

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

Mounting accessories see from
 page 200.

Rod Shroud
 no retrofit
 Ø 40, L = Stroke + 80


Swivel Mounting Block
MBS-35


Technical Data

Compression and extension force: 30 N to 10,000 N

Operating temperature range: -20 °C to +80 °C

Adjustment: Achieved by turning the piston rod in its fully extended or fully compressed position.

Clockwise rotation = increase of the damping

Anti-clockwise rotation = decrease of the damping

Damping force adjustable before installation. The adjustment can add a max. of 5 mm to the L dimension.

Positive stop: External positive stops 1 mm to 1.5 mm before the end of stroke provided by the customer.

Material: Outer body: Zinc plated or coated steel; Piston rod: Hard chrome plated steel; End fittings: Zinc plated steel

Mounting: In any position

Note: Increased break-away force if unit has not moved for some time.

End fittings: They are interchangeable and if necessary must be positively secured by the customer to prevent unscrewing.

Safety instructions: For long strokes with high forces use swivel mounting block MBS.