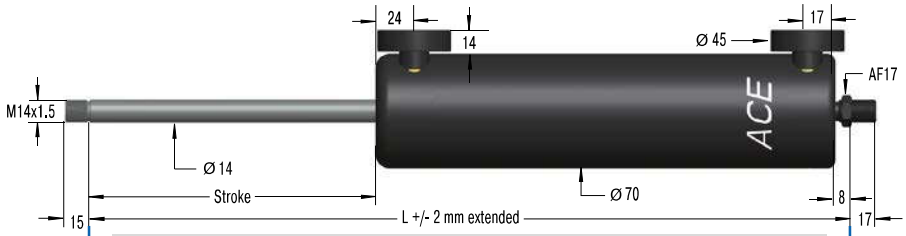
Hydraulic Dampers HBD-70

Adjustable, Without Free Travel, Compression and extension force 150 N to 10,000 N

End Fitting

Standard Dimensions

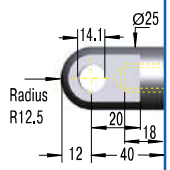
End Fitting

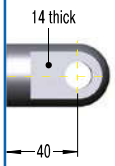


B14

Stud Thread B14

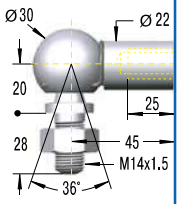
A14



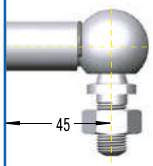


Eye A14
max. force 10,000 N

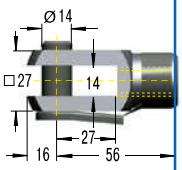
C14



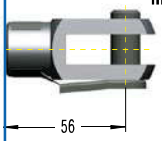
Angle Ball Joint C14
max. force 3,200 N



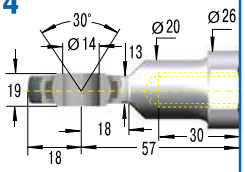
D14



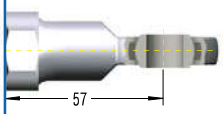
Clevis Fork D14
max. force 10,000 N



E14



Swivel Eye E14
max. force 10,000 N



Performance and Dimensions

TYPES	Stroke mm	L extended mm	[1] Compression force max. N
HBD-70-100	100	306	10,000
HBD-70-150	150	406	10,000
HBD-70-200	200	506	10,000
HBD-70-300	300	706	10,000
HBD-70-400	400	906	8,000
HBD-70-500	500	1,106	6,000

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

Ordering Example

HBD-70-300-EE

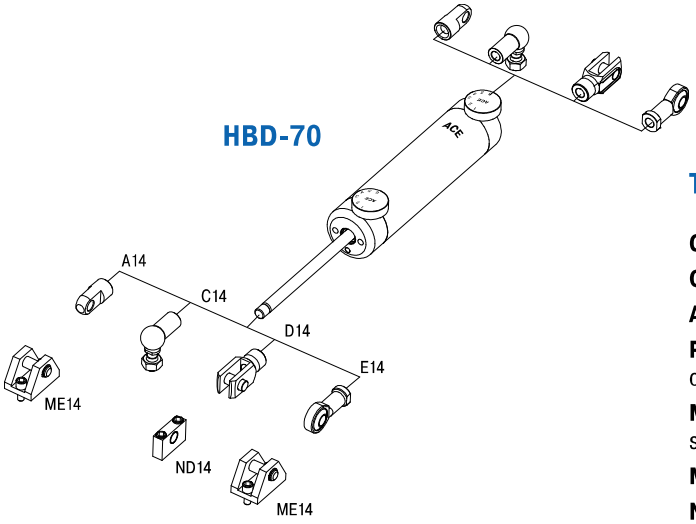
Type (Hydraulic Damper)
Body Ø (70 mm)
Stroke (300 mm)
Piston Rod End Fitting E14
Body End Fitting E14

Model Type Prefix

P: Damping in both directions (standard model)
M: Damping on out stroke only (adjustment knob at “rear end” free flow)
N: Damping on in stroke only (adjustment knob at “piston rod end” free flow)

Mounting accessories see from page 200.

HBD-70



Technical Data

Compression and extension force: 150 N to 10,000 N

Operating temperature range: 0 °C to 65 °C

Adjustment: Steplessly adjustable

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

Material: Outer body: 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. One locknut included.

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

Issue 07.2017 – Specifications subject to change