

Adjustable, Compression and extension force 2,000 N to 50,000 N

End Fitting

Standard Dimensions

End Fitting

B24

Performance and Dimensions

TYPES	Stroke mm	L extended mm	¹ Compression force max. N
HB-70-100	111	331	50,000
HB-70-200	211	531	50,000
HB-70-300	311	731	50,000
HB-70-400	411	931	30,300
HB-70-500	511	1,131	21,600
HB-70-600	611	1,331	16,200
HB-70-700	711	1,531	12,600
HB-70-800	811	1,731	10,100

¹ Max. extension force for all stroke lengths 50,000 N.

Stud Thread B24

D24

Ordering Example

HB-70-300-EE-N

Type (Hydraulic Damper) _____ ↑

Body Ø (70 mm) _____ ↑

Stroke (300 mm) _____ ↑

Piston Rod End Fitting E24 _____ ↑

Body End Fitting E24 _____ ↑

Damping Direction (N = in stroke only) _____ ↑

Clevis Fork D24
max. force 50,000 N

E24

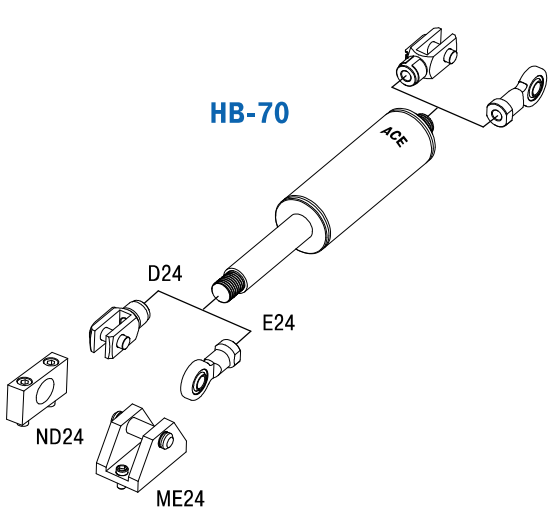
Model Type Prefix

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.

Swivel Eye E24
max. force 50,000 N

Rod Shroud W24-70



Technical Data

- Compression and extension force:** 2,000 N to 50,000 N
- Free travel:** Construction of the damper results in a free travel of approx. 20 % of stroke.
- Separator piston:** Extension force min. 250 N; dimension L + 150 mm. Part number: add suffix -T.
- 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 5 mm to 6 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.
- 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