

ssue 6.2011 Specifications subject to change

Function: The stepless adjustment of the damping rate is achieved by pulling (or pushing) the piston rod to its fully extended (or compressed) position and then turning the piston rod.

Operating fluid: Hydraulic oil **Mounting:** In any position. End fittings must be positively secured to prevent unscrewing.

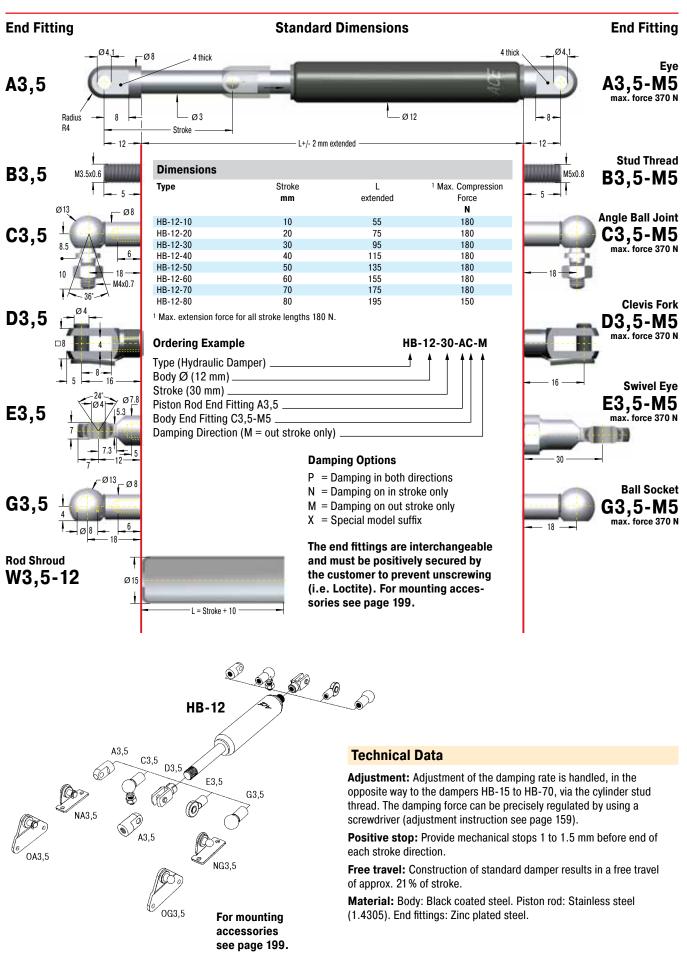
Operating temperature range: -20 °C to 80 °C

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



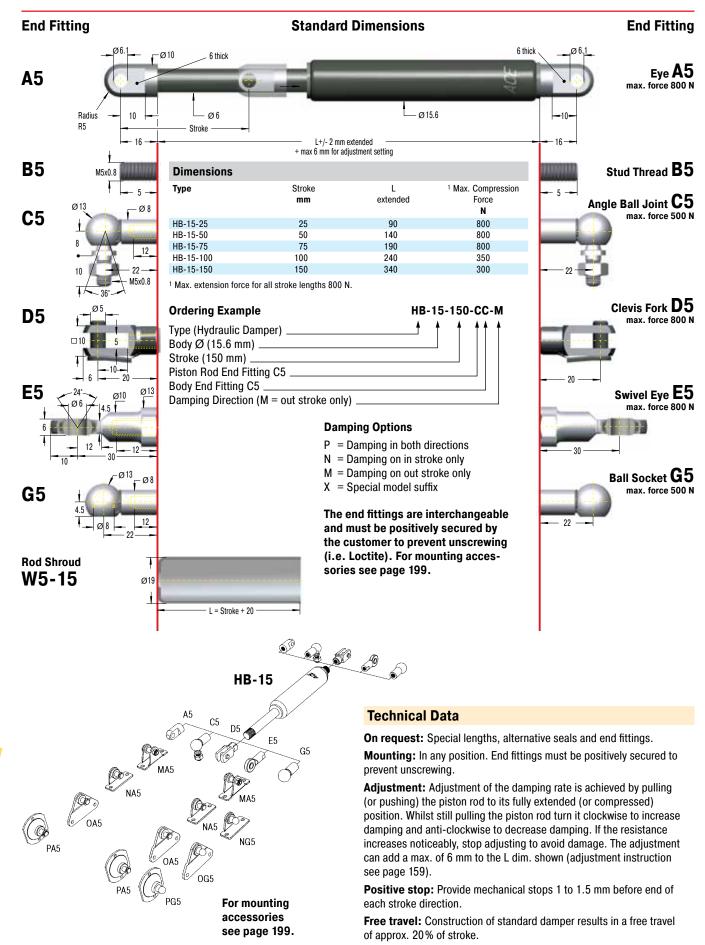
Hydraulic Dampers HB-12

Adjustable (Compression and Extension Forces 20 N to 180 N)





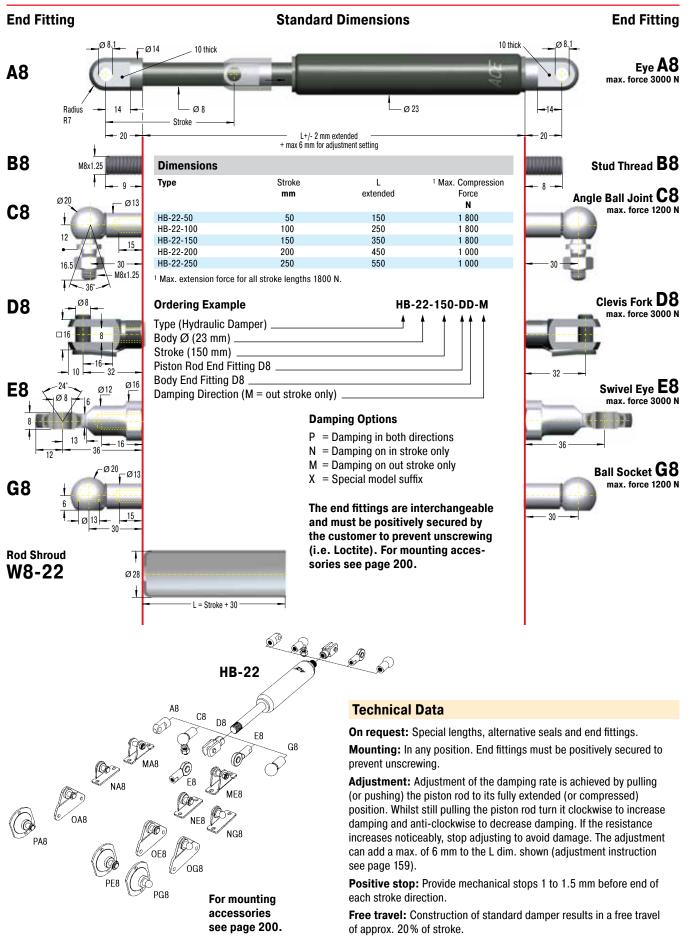
Adjustable (Compression and Extension Forces 20 N to 800 N)



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



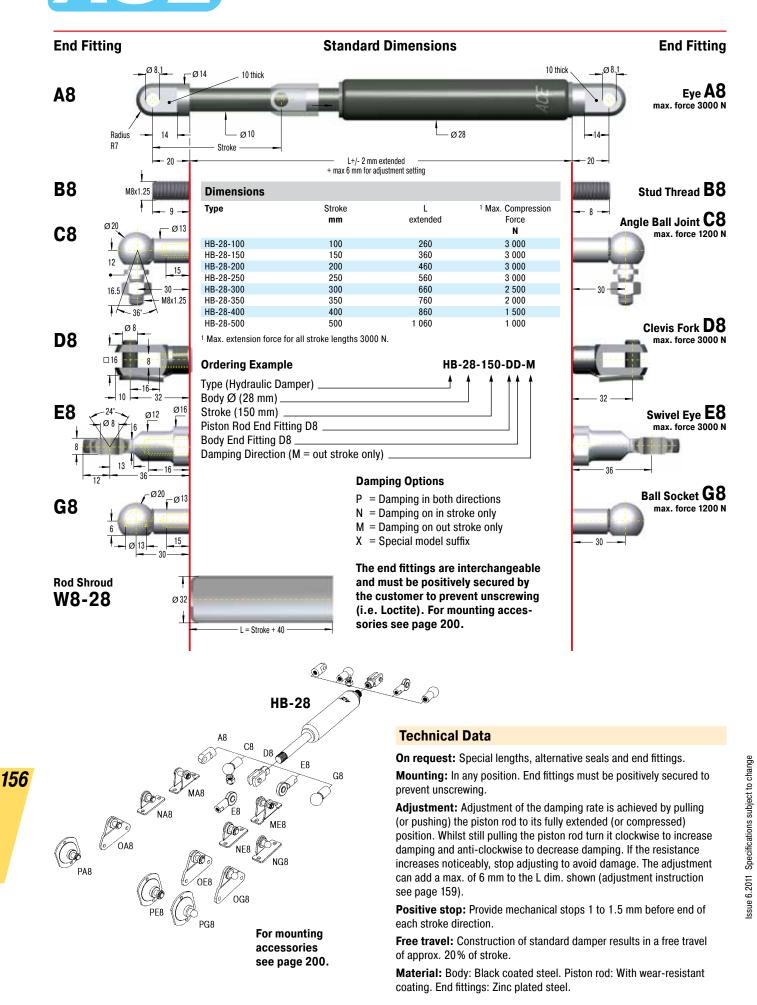
Adjustable (Compression and Extension Forces 30 N to 1800 N)



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



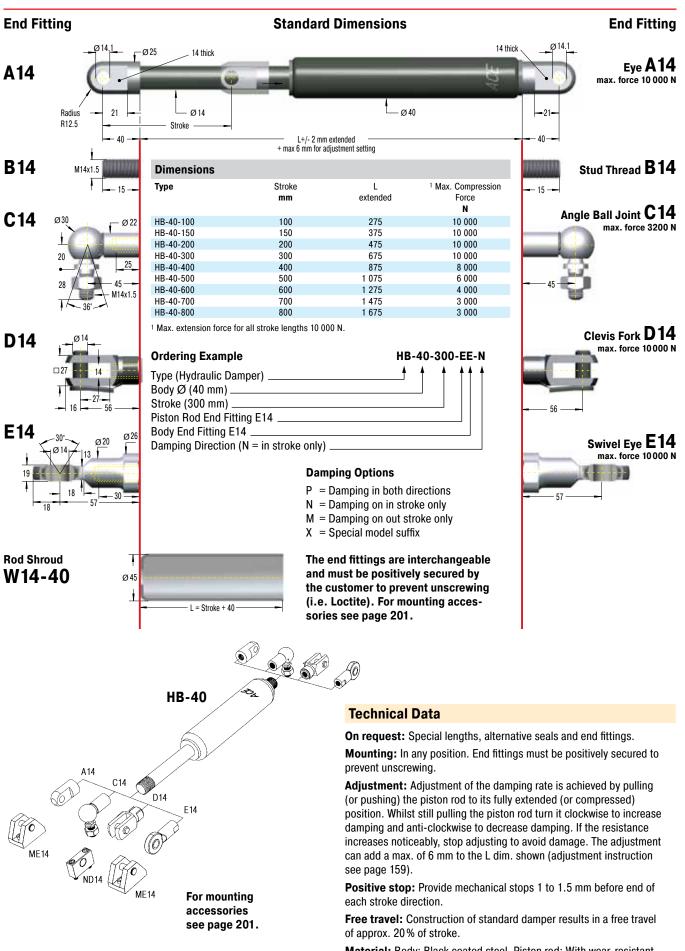
Adjustable (Compression and Extension Forces 30 N to 3000 N)





Hydraulic Dampers HB-40

Adjustable (Compression and Extension Forces 30 N to 10 000 N)



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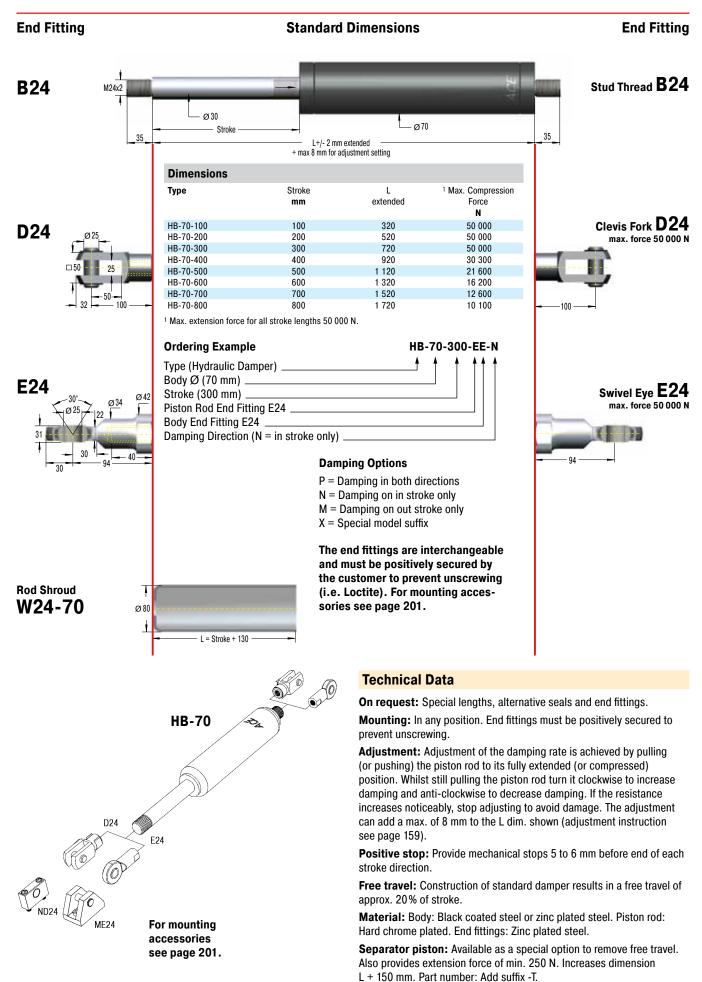
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Hydraulic Dampers HB-70

Adjustable (Compression and Extension Forces 2000 N to 50 000 N)





Adjustment Instructions

Adjustment Instructions for HB-15 to HB-70 and HBS-28 to HBS-70



Adjustment only possible when piston rod is fully extended or fully compressed.



soft damping

Rotate rod anti-clockwise 🔿 for higher velocity

Rotate rod clockwise 🔿 for slower velocity

strong damping

1. Hold outer body.

- 2. a) When piston rod is fully extended: Adjust damping by turning the piston rod as shown in the picture. Whilst rotating, pull the piston rod gently, to ensure the adjuster locates in the end cap.
 - b) When the piston rod is fully compressed: Adjust the damping by turning the piston rod as shown in the picture. Whilst rotating, push the piston rod gently, to ensure the adjuster locates in the end cap.
- 3. When resistance is felt when rotating the piston rod, stop turning. You will be at the end of the adjustment. NOTE: Do not rotate piston rod too quickly as damage could occur.
- 4. Check the damping, if required repeat step 1 to 3.
- 5. On all versions with a separator piston (type "T") adjustment is only possible when the piston rod is extended (adjustment 2a).

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Adjustment Instructions for HB-12

