



A STABILUS COMPANY

Automation Control Equipment

HB50 | Hydraulic Damper

Ideal for heavy duty safety applications



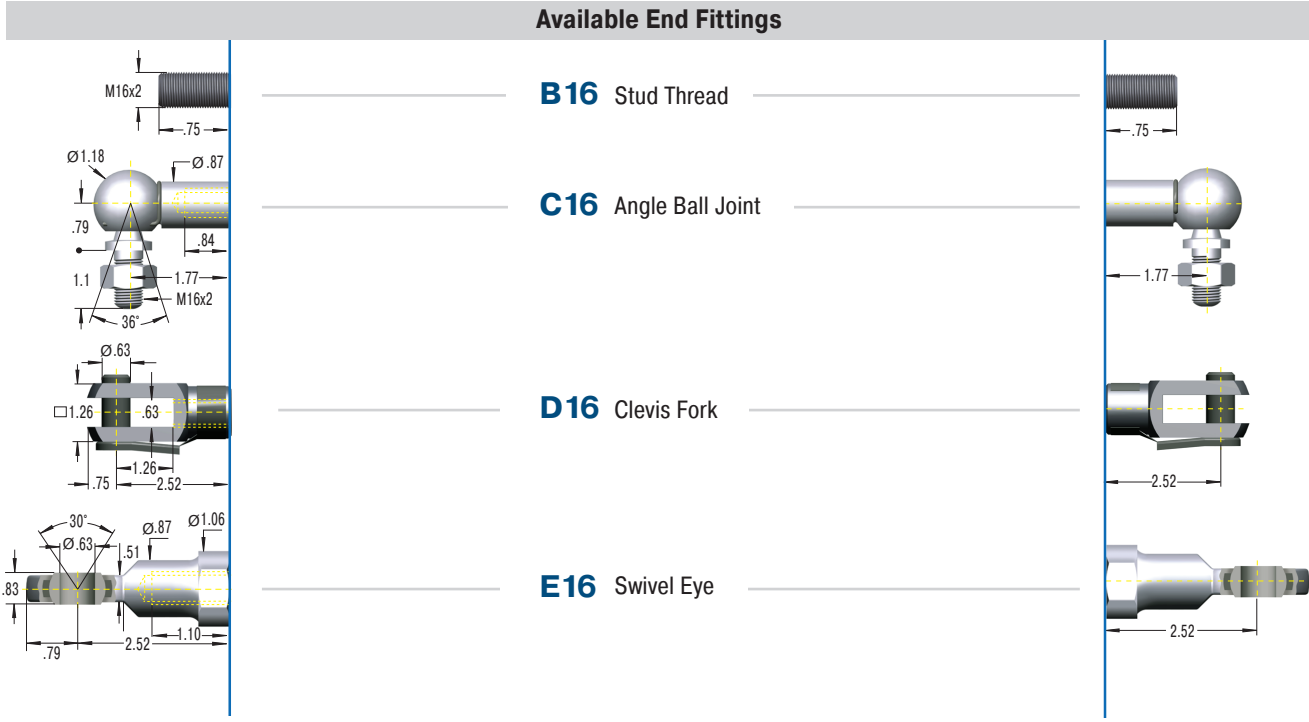
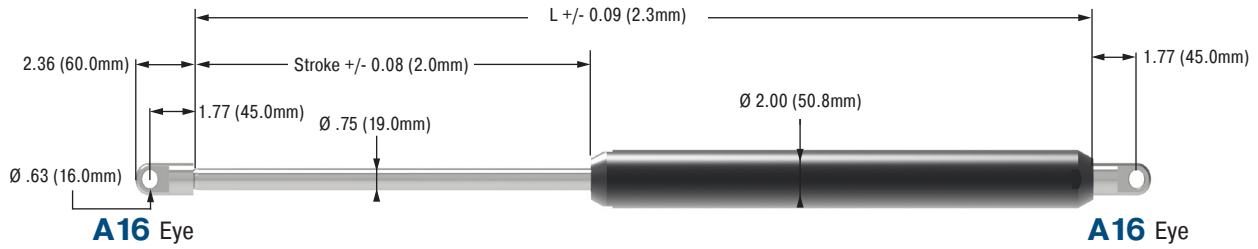
Reduce
downtime &
component wear

Individual
speed adjustment for push
& pull motion

Increased Safety
thanks to a standard
steel outer body

Adjustable • Steel outer tube • Ready to install, easy to mount
Single or bidirectional motion control • Wear-resistant coating

Product Model



Shroud options also available.

Technical Information

Compression force: 1,100 to 7,700 lbf (5,000 to 35,000 N)

Extension force: 5,845 lbf (26,000 N)

Free travel: Construction of the damper results in a free travel of approximately 20% of stroke.

Operating temperature range: -4 °F to +176 °F

Adjustment: Pull the piston rod out to its fully extended position. While pulling on the rod, turn it clockwise to increase or counter-clockwise to decrease until the desired damping is achieved. The adjustment is multi-turn and correct damping may require several trial and error adjustments. A built-in anti-lock guard allows adjustments to be made at any damping rate without unit lock up.

Material: Outer body: 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.

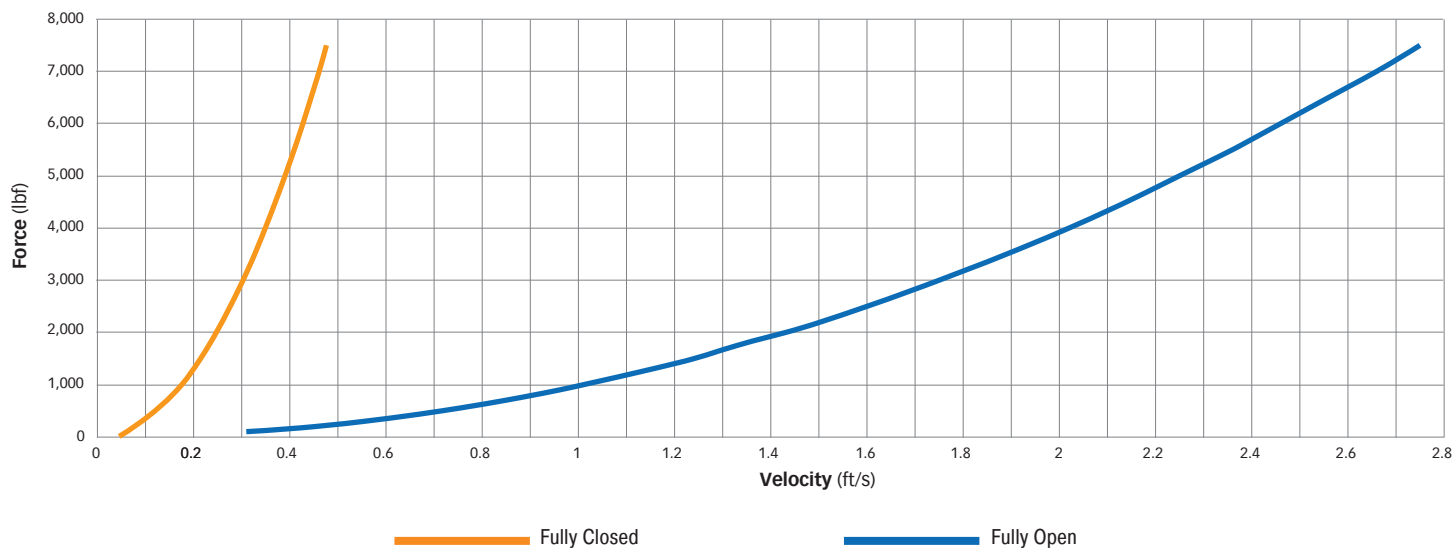
End fittings: Interchangeable and if necessary, must be positively secured by the customer to prevent unscrewing.



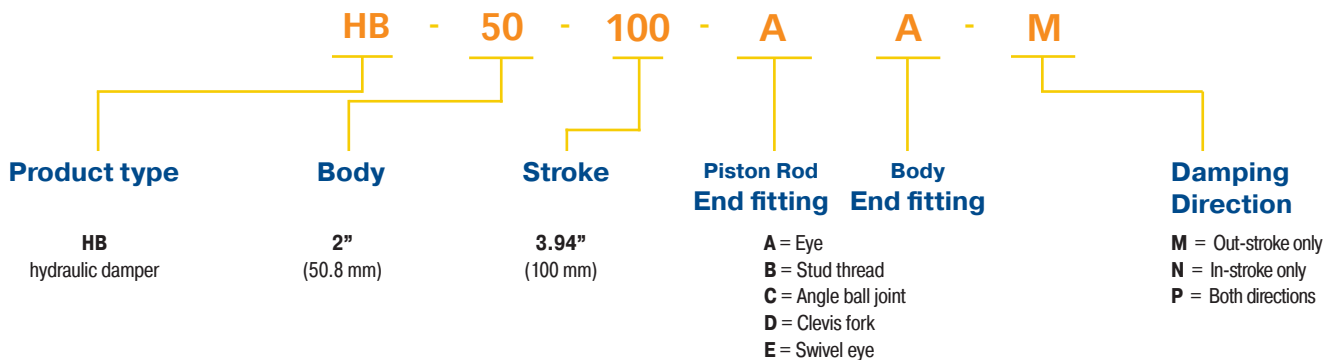
Product Specifications

Model	Stroke in	L Extended in	Max. Compression Force	Max. Extension Force
HB50-100	3.94	13.04	7,700 lbf (35,000 N)	5,845 lbf (26,000 N)
HB50-200	7.87	20.92	6,757 lbf (30,714 N)	
HB50-300	11.81	28.79	5,814 lbf (26,429 N)	
HB50-400	15.75	36.67	4,817 lbf (22,143 N)	
HB50-500	19.69	44.54	3,929 lbf (17,857 N)	
HB50-600	23.62	52.41	2,986 lbf (13,571 N)	
HB50-700	27.56	60.29	2,043 lbf (9,286 N)	
HB50-800	31.50	68.16	1,100 lbf (5,000 N)	

Force Velocity Curve



Ordering Information



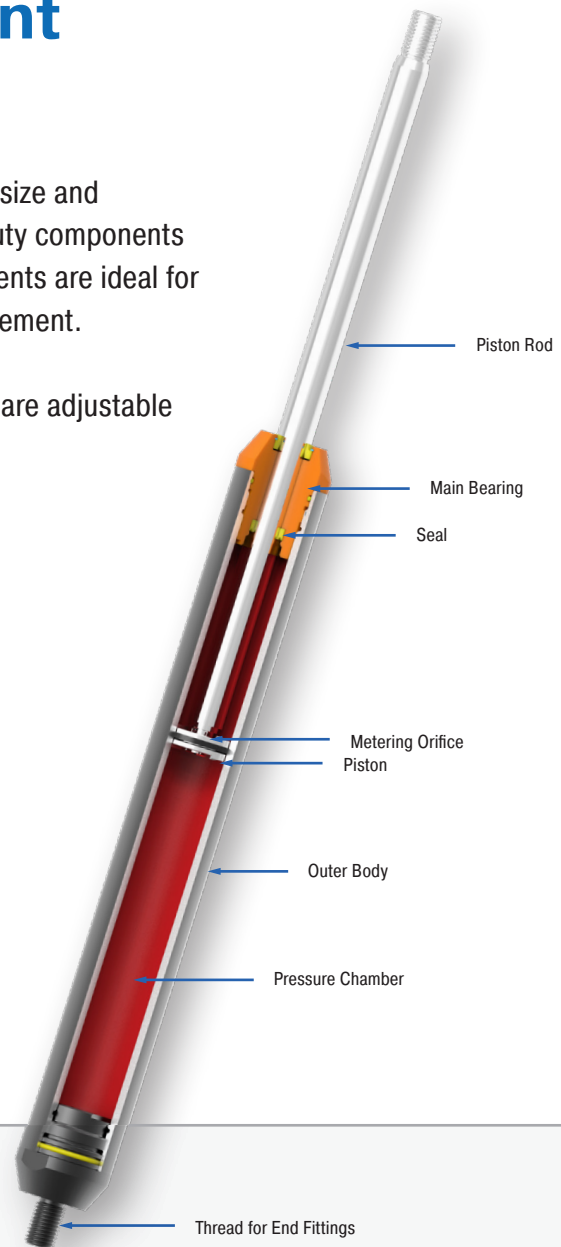
Safe, controlled movement where you need it most

New to the HB hydraulic damper family, the HB50 brings a unique size and construction to the HB line. Featuring a steel body, these heavy duty components are made to safely handle the toughest jobs. These machine elements are ideal for safety applications in heavy industries such as oil & gas and amusement.

These maintenance free, ready-to-install these machine elements are adjustable and provide a constant feed rate.

Features

- Easily adjustable
- Steel outer tube
- Single or bidirectional motion control
- Wear-resistant surface treatment
- Ready to install & easy to mount
- Large selection of end fittings
- Shroud options available



Benefits

- Increase machine safety
- Smoother movement of components
- Reduce damage-causing impact forces
- Reduce component wear

- Lifetime warranty on materials & workmanship
- Cost-effective
- Reduced downtime
- Maintenance free



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