



HYDRAULIC SHOCK ABSORBER

LS, SS, and HS Series

Mounting Instructions

Mount and lock shock absorber in place; provide a positive stop from face of piston (or button), equal to the stroke length as shown in the table below.

Models	Usable Stroke	
	(inches)	(mm)
LS-02	.25	6.4
SS-02	.25	6.4
HS-02	.25	6.4
LS-04	.41	10.0
SS-04	.41	10.0
HS-04	.41	10.0
LS-09	.63	16.0
SS-09	.63	16.0
HS-09	.63	16.0
LS-17	.88	22.0
SS-17	.88	22.0
HS-17	.88	22.0
LS-31	1.56	40.0
SS-31	1.56	40.0
HS-31	1.56	40.0

Caution:

- A. Only the usable stroke listed above should be used. If the full stroke is used, undesirable bottoming will occur against the positive stop. It is, therefore, important to position the shock absorber such that only the usable stroke is used. Stop collars are available to prevent the shock absorber from bottoming. They also ensure that work being positioned is stopped at the same point every time.
- B. If shocks are used at less than 5% of maximum rated energy per cycle, a smaller shock absorber should be used.
- C. If initial impact force is too hard, the next lower dash number (less damping) may be required. If bottoming is too hard at the end of stroke, the next larger dash number (greater damping) or a larger model may be required. For additional information, refer to the Bimba catalog under Shock Absorbers.
- D. Do not clamp or weld shock absorber body. Do not paint or damage surface finish of the piston rod.

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