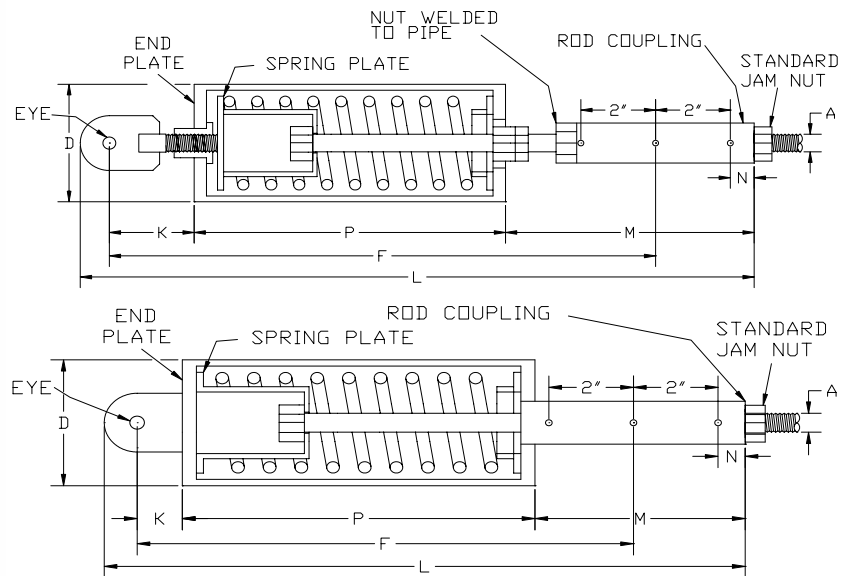
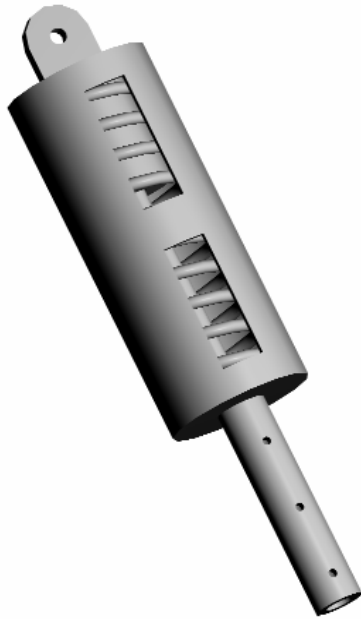


PART# 830/831

Vibration Control & Sway Brace



SIZE RANGE: Preload from 50 lbs to 1800 lbs and maximum forces 200 lbs to 7200 lbs.

FINISH: Black, Galvanized, or coated to customer specifications.

APPLICATIONS: Recommended for controlling vibration; absorbing shock, loading; guiding or restraining the movement of pipe resulting from thermal expansion and bracing a pipe line against sway.

SPECIFICATIONS: Fulfills the requirements of the ASME code for Pressure Piping as to fabrication details and materials.

ADJUSTMENT: The sway brace should be in the neutral position when the system is hot and operating, at which time both Spring plates should be in contact with the end plates. If they are not, the sway brace should adjusted to the neutral position by use of the load coupling.

PRELOAD ADJUSTMENT PART # 831: Turn the preload adjustment nut until desired preload is indicated. Turn thrust nut until it is in contact with the spring plate. Lock in position. Indicated deflection must be greater then thermal movement.

FEATURES:

- Vibration is opposed with an instantaneous counter force bringing the pipe back to normal position.
- A single pre-loaded spring provides two-way action.
- One spring valve saves space and simplifies design.
- Spring has 3"-inch travel in either direction.
- Accurate neutral adjustment assured.

APPROVALS: Complies with Manufacturers Standardization Society SP-69 (Type 50)

ORDERING: Specify part number, name, sway brace size and finish. The RILCO part # 830 and part # 831 consists of the sway brace

Load (lbs) • Weight (lbs) • Dimensions (inches)

Sway Brace Size	Pipe Size	Preload And Spring Scale	Max Force	Weight	Rod Size A	Eye Dia. Hole	D	Length F 830 / 831	K 830 / 831	L 830 / 831	M 830 / 831	N	P 830 / 831	R
1	1 1/2- 24	50	200	22	3/4	1	4 1/2	13 5/8 / 20	1 5/8 / 5 15/16	17 7/8 / 20	6 1/8 / 7 7/8	1	8 7/8 / 9 3/16	1 1/4
2		150	600	25	1			14 3/8 / 20 3/4		18 5/8 / 20 3/4			9 5/8 / 9 15/16	
3		450	1800	36	1			17 3/4 / 24 1/8		22 / 24 1/8			13 / 13 5/16	
4	6 - 30	900	3600	64	1 1/4	1 1/2	6 5/8	17 / 24 5/16	2 1/4 / 6 9/16	22 5/16 / 24 5/16	6 3/4 / 9 1/4	1 1/2	11 1/2 / 12	1 13/16
5		1350	5400	79	1 1/2			18 1/2 / 25 13/16		23 13/16 / 25 13/16			13 / 13 1/2	
6		1800	7200	95	1 1/2			20 1/2 / 27 13/16		25 13/16 / 27 13/16			15 / 15 1/2	