

19-.75

Firestone

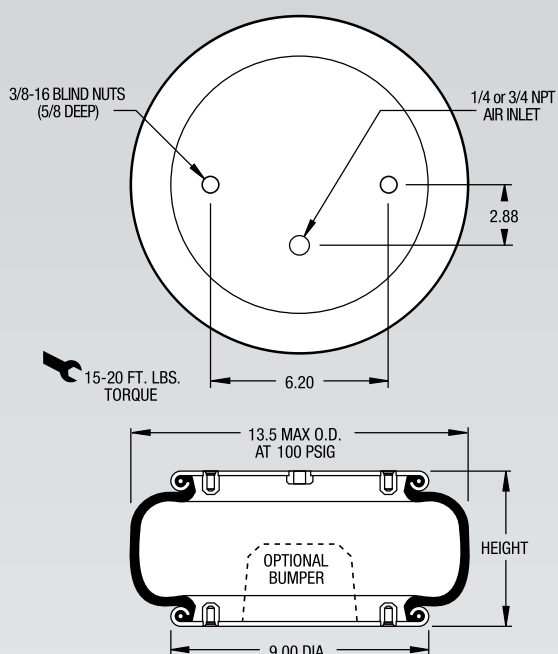
AIRSTROKE™

ACTUATORS

AIRMOUNT™

ISOLATORS

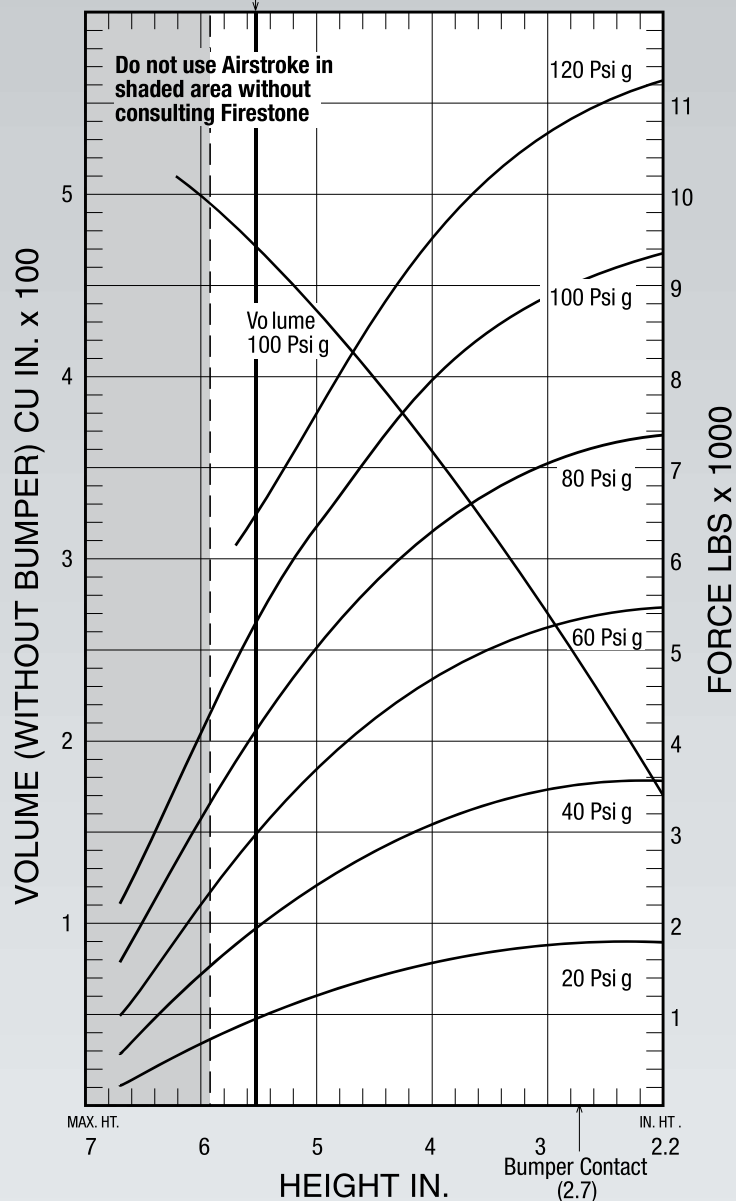
	Description	Assembly Order No.
Style 19-.75 Two Ply Bellows	Blind nuts, 1/4 NPT	W01-358-7040
	Blind nuts, 1/4 NPT rubber bumper	W01-358-7039
	Blind nuts, 3/4 NPT	W01-358-7042
	Blind nuts, 3/4 NPT rubber bumper	W01-358-7043
	Counter-sunk steel bead rings, 1 5/8 bolts, nuts, washers	W01-358-6896
Assembly weight.....		9.9 lbs.
Force to collapse to minimum height (@ 0 PSIG)		15 lbs.



NOTE: A bead plate part is shown. This part is also available with bead rings. See pages 8-10 for explanation.

Recommended Design Position Static Pressure 0-100 psi

RECOMMENDED AIRMOUNT DESIGN HEIGHT 5.5 INCHES



See page 12 for instructions on how to use chart.

Dynamic Characteristics at 5.5 in. Design Height (Required for Airmount isolator design only)				
Volume @ 100 PSIG = 470 in ³			Natural Frequency	
Gage Pressure (PSIG)	Load (lbs.)	Spring Rate (lbs./in.)	CPM	HZ
40	1,890	1,544	170	2.83
60	2,950	2,203	162	2.70
80	4,080	2,829	156	2.60
100	5,260	3,448	152	2.53

Force Table (Use for Airstroke™ actuator design)						
Assembly Height (in.)	Volume @ 100 PSIG (in ³)	Pounds Force				
		@20 PSIG	@40 PSIG	@60 PSIG	@80 PSIG	@100 PSIG
5.0	438	1,190	2,390	3,670	5,000	6,360
4.0	359	1,560	3,110	4,710	6,330	7,980
3.0	270	1,730	3,460	5,240	7,040	8,850