

AB0120

Firestone

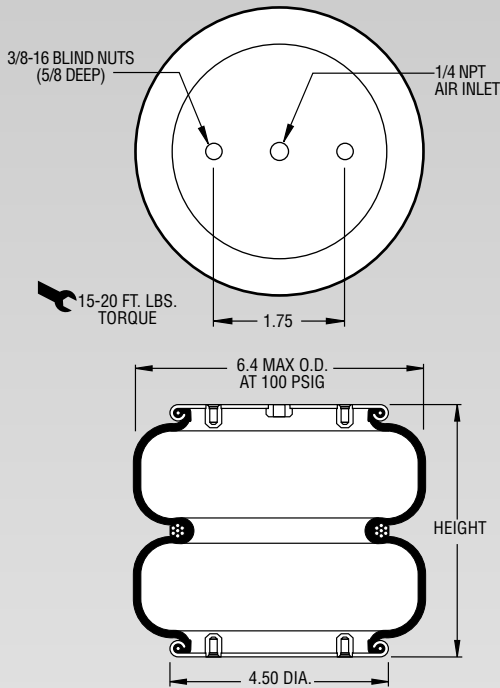
AIRSTROKE[®]

ACTUATORS

AIRMOUNT[®]

ISOLATORS

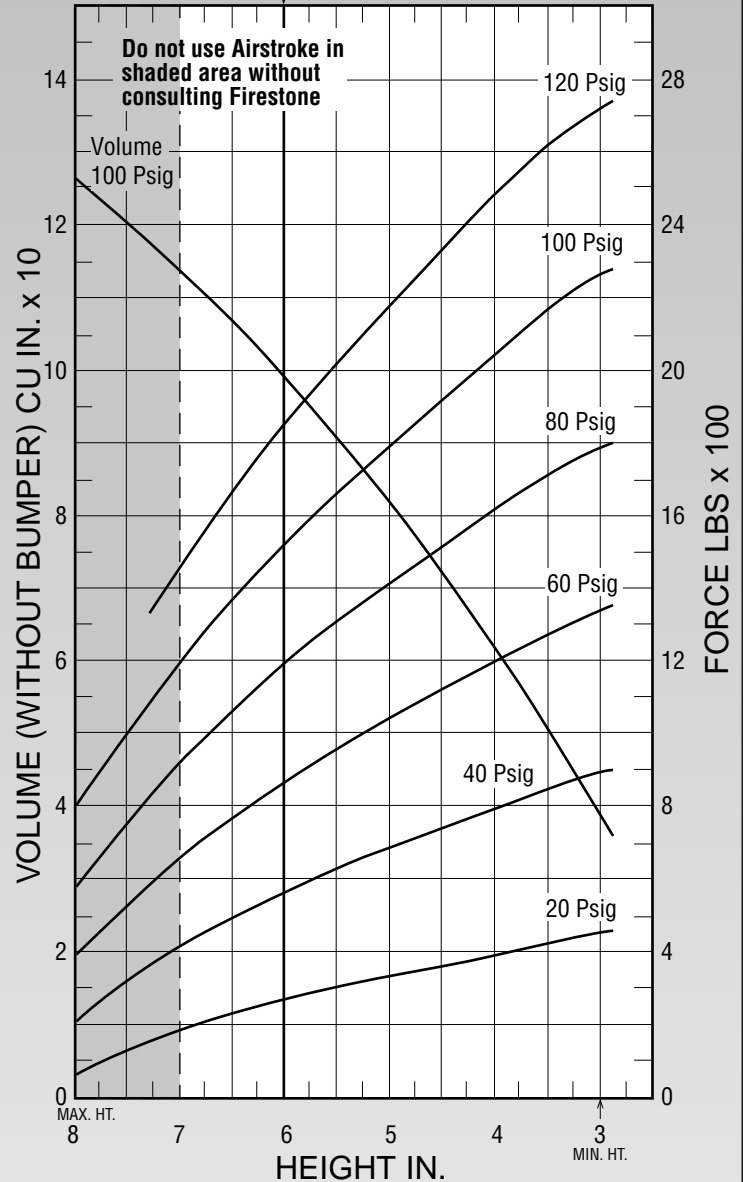
Description		Assembly Order No.
Two Ply Bellows		
Assembly weight		3.9 lbs.
Force to collapse to minimum height (@ 0 PSIG).....		50 lbs.



CONSULT FIRESTONE BEFORE USING AS AIRMOUNT

RECOMMENDED AIRMOUNT DESIGN HEIGHT 6.0 INCHES

Static Data
B4652



NOTE: A bead plate part is shown. This part is also available with bead rings. Bolts are not included. See pages 8-10 for explanation.

Dynamic Characteristics at 6.0 in. Design Height (Required for Airmount isolator design only)				
Volume @ 100 PSIG = 100 in ³			Natural Frequency	
Gage Pressure (PSIG)	Load (lbs.)	Spring Rate (lbs./in.)	CPM	HZ
40	566	309	138.96	2.32
60	871	432	132.42	2.21
80	1,194	565	129.37	2.16
100	1,524	681	125.71	2.10

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
7.0	114	188	417	661	921	1,198
6.0	100	270	566	871	1,194	1,524
5.0	82	331	686	1,041	1,414	1,786
4.0	62	389	729	1,197	1,612	2,039

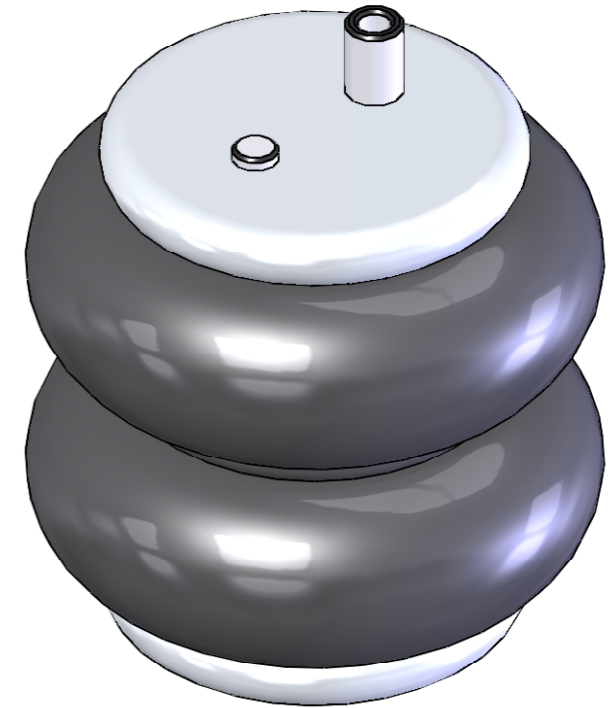
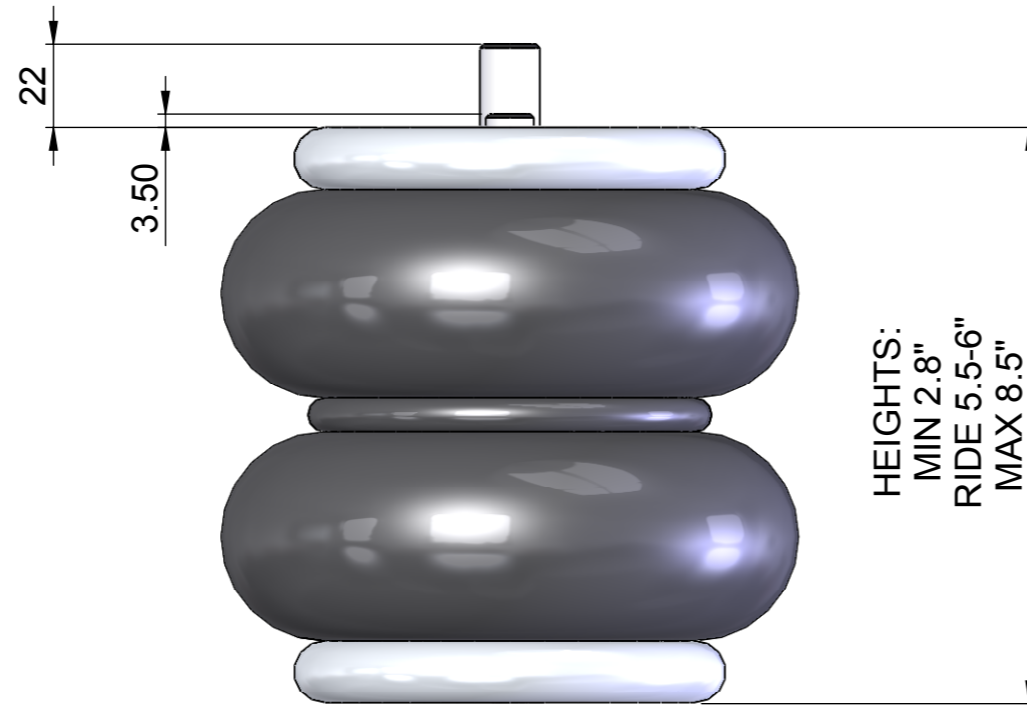
REV.	DESCRIPTION	DATE	APPROVED

1/8" NPT AIR CONNECTION

5/8" UNF EXTERNAL

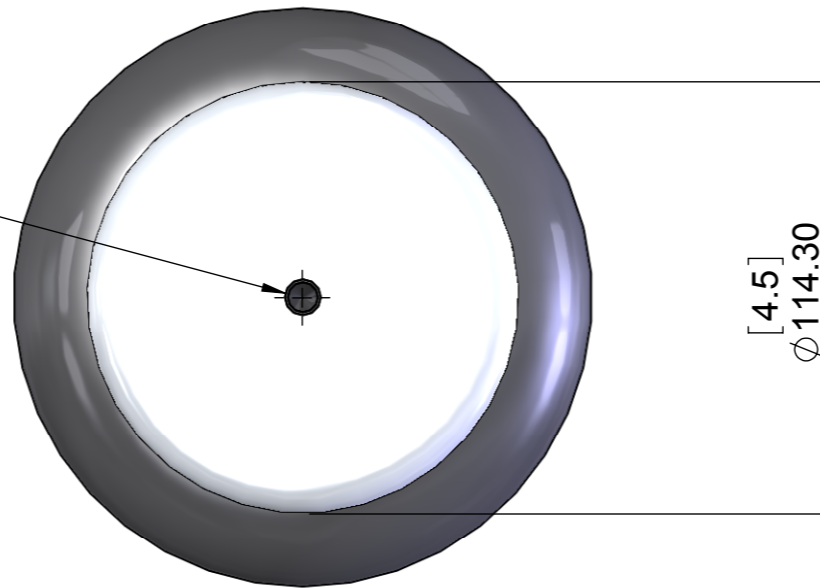
Ø 12.70

[1.75]
44.45 EQUIDISTANT
FROM CENTRE OF PLATE



Ø 7.94 ∇ 26.99
3/8-16 UNC ∇ 19.05

[4.5]
Ø 114.30



ISSUED FOR

DIMENSIONS WITHOUT TOLERANCE			
ABOVE	TO	MACHINING	WELDING
0.5	6	±0.1	—
6	30	±0.2	—
30	120	±0.3	—
120	315	±0.5	±2
315	1000	±0.8	±3
1000	2000	±1.2	±4
2000	4000	±2	±6
4000	8000	±3	±8



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MATERIAL
SURFACE FINISH

SCALE
DO NOT SCALE

DRAWN
CHECK
JOB NO:

TITLE:
D6.6 1/8 Firestone Air Spring

PROJECT: Solidworks Templates

COMPANY:

AS1100
THIRD ANGLE PROJECTION
SHEET 1 of 1
REV **A**
DWG NO:
AB0120