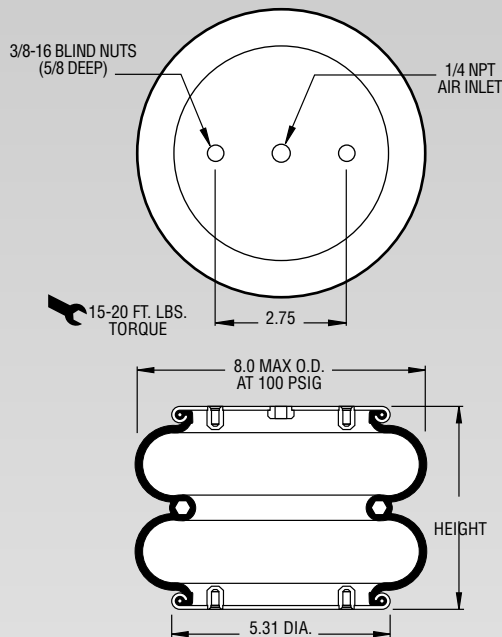


Assembly weight		5.0 lbs.
Force to collapse to minimum height (@ 0 PSIG)		14 lbs.

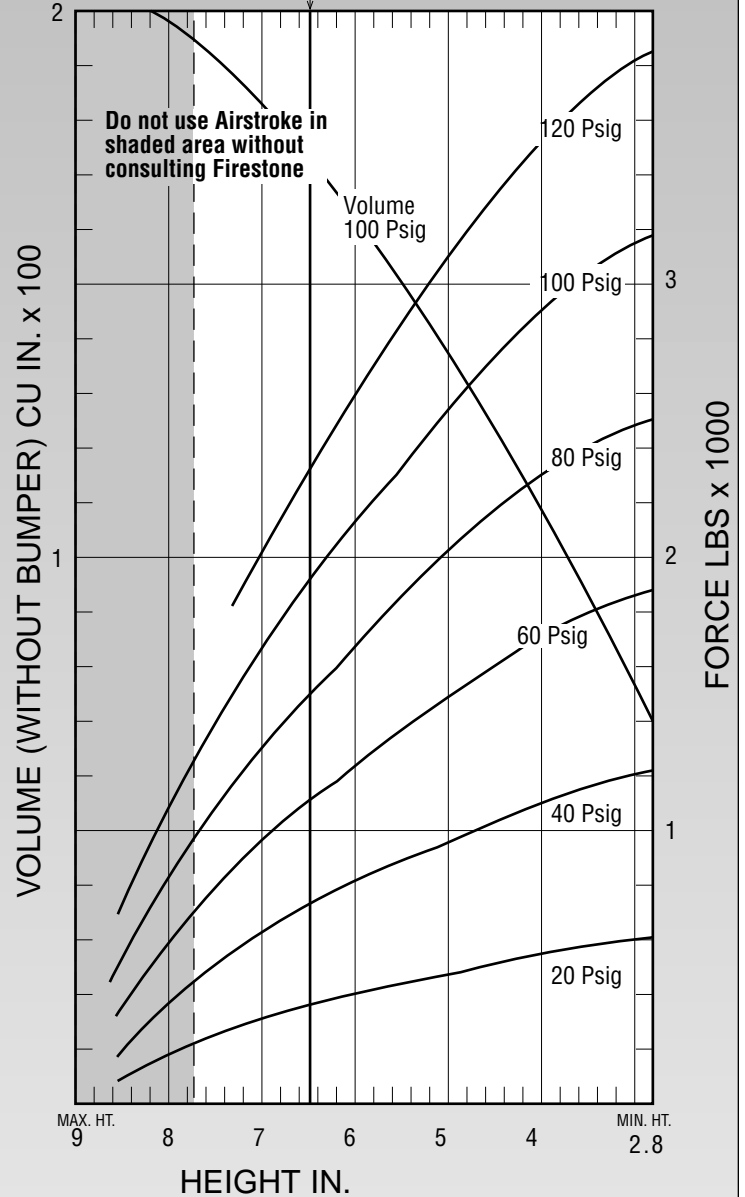


NOTE: A bead plate part is shown. This part is also available with bead rings. See pages 8-10 for explanation.

RECOMMENDED
AIRMOUNT
DESIGN HEIGHT
6.5 INCHES

Static Data

8829

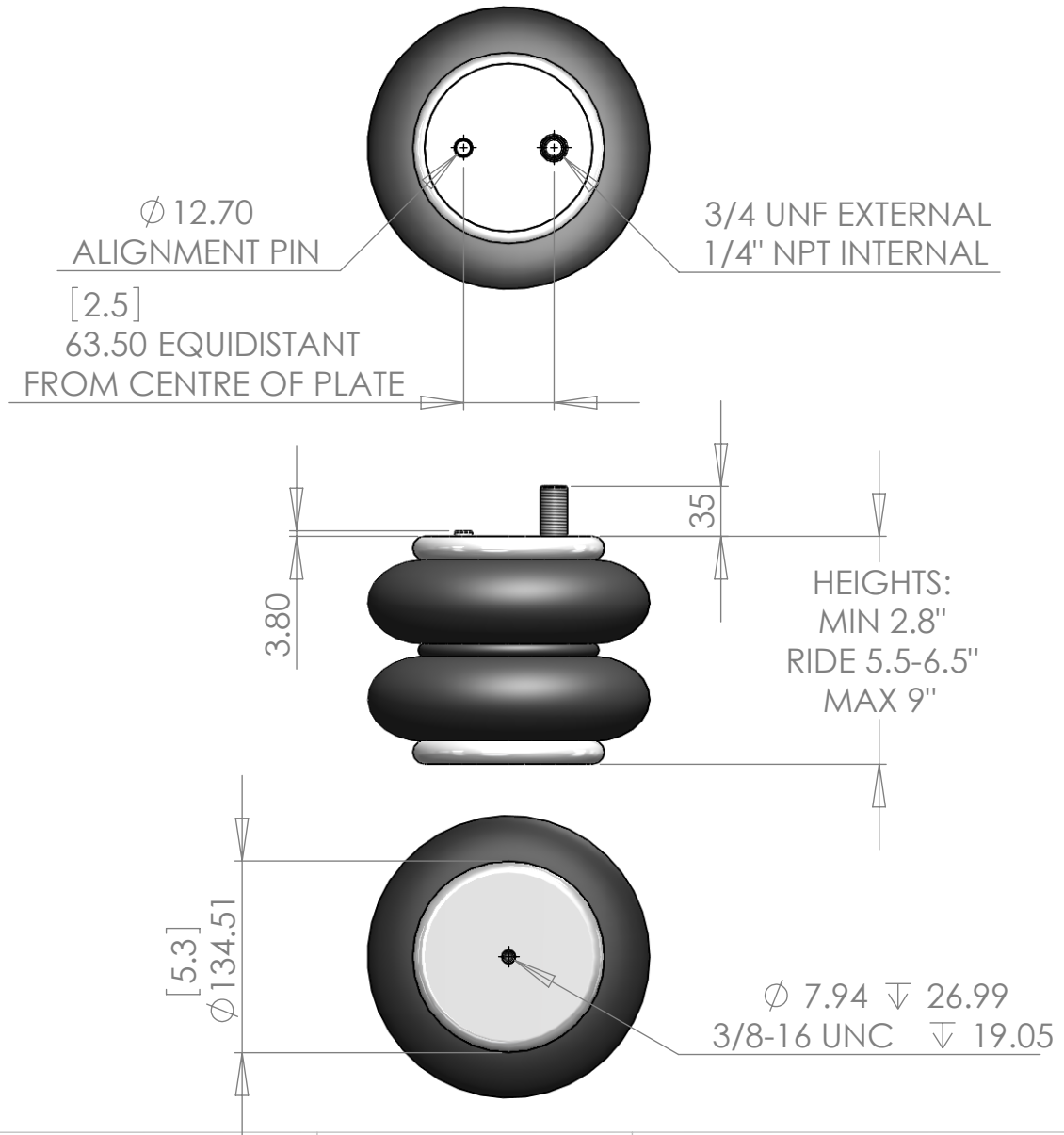
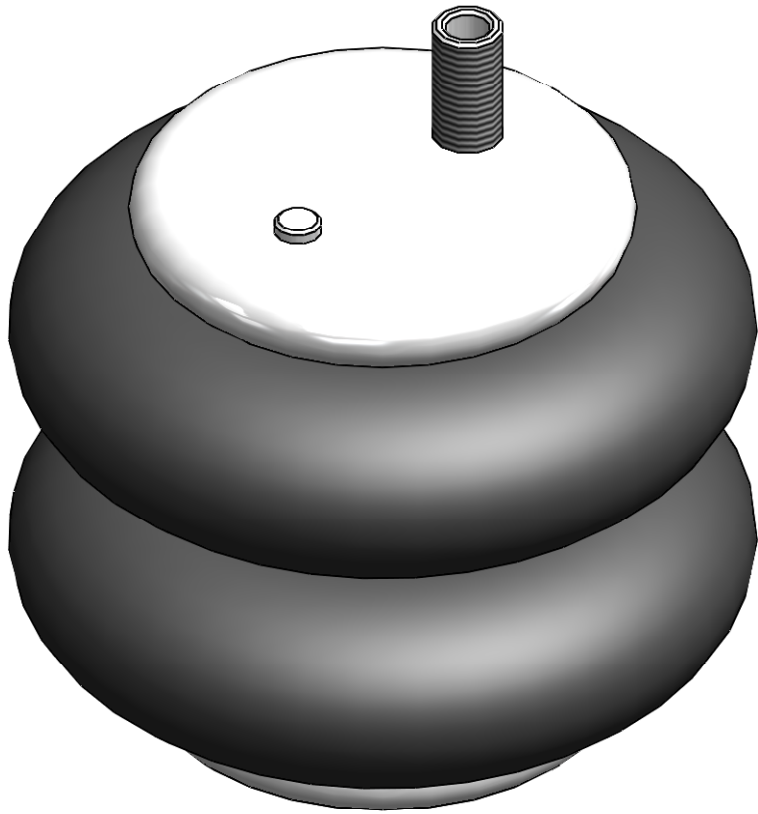


Dynamic Characteristics at 6.5 in. Design Height (Required for Airmount isolator design only)

Volume @ 100 PSIG = 171 in ³			Natural Frequency	
Gage Pressure (PSIG)	Load (lbs.)	Spring Rate (lbs./in.)	CPM	HZ
40	730	361	132	2.20
60	1,130	523	128	2.13
80	1,530	690	126	2.10
100	1,940	849	124	2.07

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	181	320	630	990	1,340	1,710
6.0	160	400	820	1,260	1,700	2,160
5.0	134	470	960	1,490	2,040	2,570
4.0	105	550	1,110	1,720	2,310	2,930
3.0	73	590	1,210	1,860	2,480	3,150



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SCALE	DO NOT SCALE	
AS1100	THIRD ANGLE PROJECTION	
REV	A	
DRAWN		
CHECK		

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	± 8	± 8

SURFACE FINISH:
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS

MATERIAL :
WEIGHT:

TITLE:

D8 1/4 S/O Firestone Air Spring

PROJECT:

DWG NO.

AB0131

A4

SHEET 1 OF 1

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