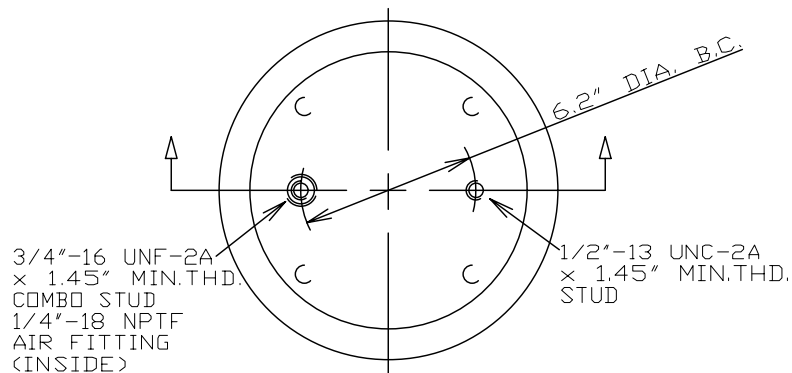
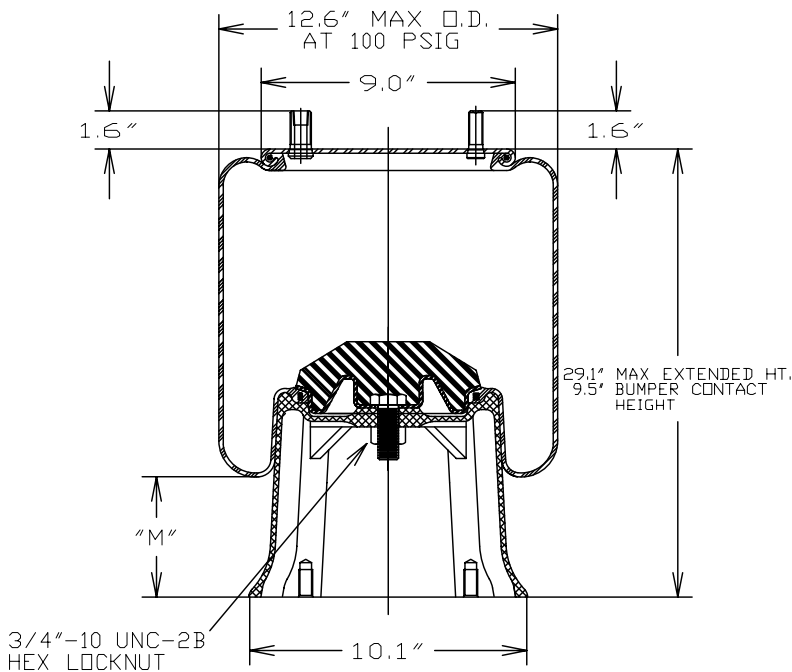


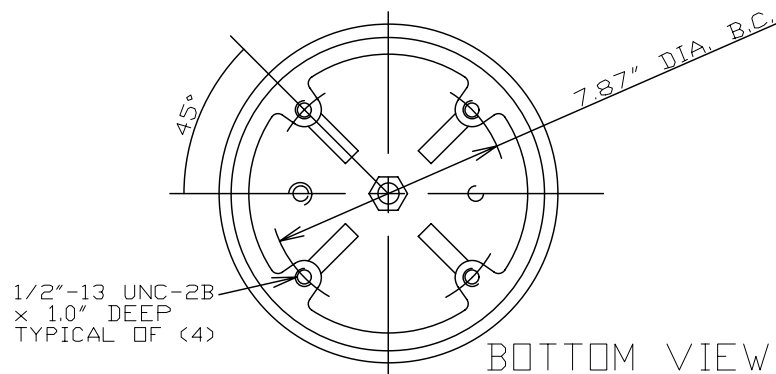
1R12-256



TOP VIEW



SIDE VIEW



BOTTOM VIEW

ASSEMBLY NUMBER	ELASTOMER	AIR FITTING	BUMPER INCLUDED
1R12-256	NAT.RUBBER	1/4"-18 NPTF COMBO STUD	YES

SPRING FEATURES:

- LOAD RANGE (ISOLATOR).....1350-7300 lb
- DESIGN HEIGHT RANGE (ISOLATOR)....16.0-20.0 in
- USEABLE STROKE (ACTUATOR).....19.6 in
- ASSEMBLY WEIGHT.....23.0 lb
- TEMPERATURE RANGE*.....
- ALUMINUM PISTON

* NOTE: PRODUCT LIFE MAY BE SHORTENED WHEN OPERATING AT OR NEAR EXTREME TEMPERATURES. SEE TEMPERATURE RANGE GUIDELINES SECTION.

OTHER OPTIONS:

- METRIC ATTACHMENTS

UPPER BEAD PLATE:

- ALTERNATE BOLT LENGTHS AND SPACINGS
- ALTERNATE AIR FITTING SIZES AND LOCATIONS
- NO BUMPER OR ALTERNATE BUMPER

PISTON:

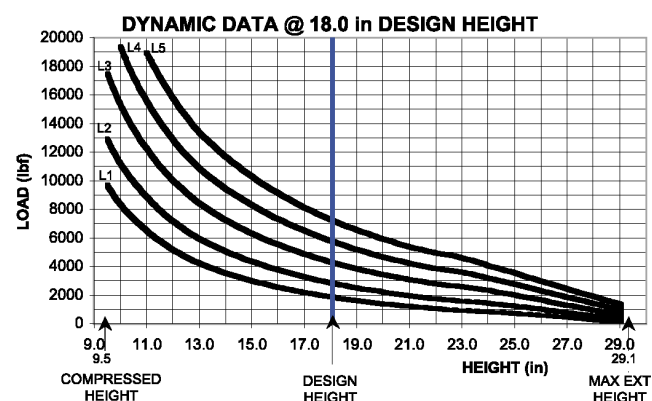
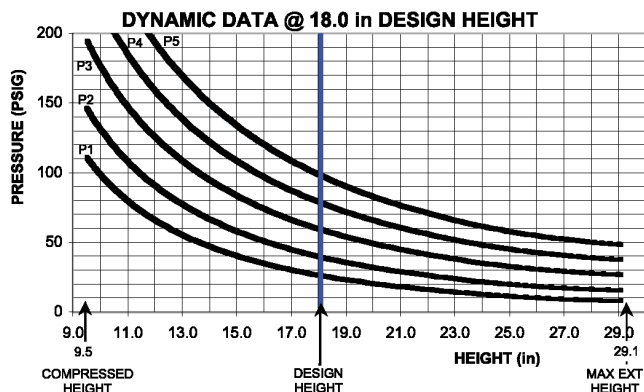
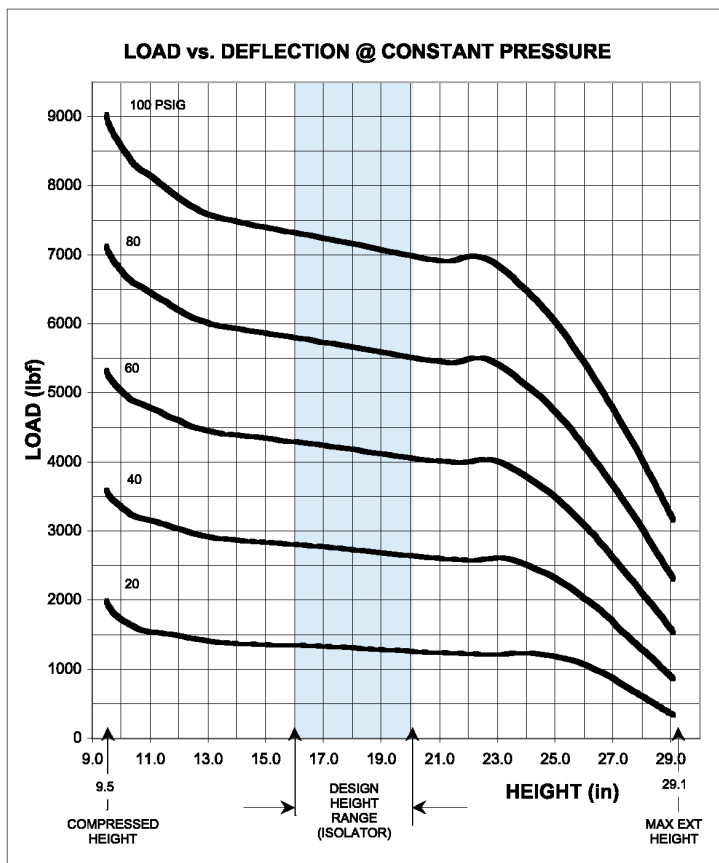
- ALTERNATE HEIGHTS
- STEEL PISTON WITH GREATER EFFECTIVE AREA

RECOMMENDED MAX. TORQUE VALUES

3/4"-16 UNF COMBO STUD	1/2"-13 UNC TOP STUD	1/2"-13 UNC BLIND TAP TYP. OF (4)	1/4"-18 UNC AIR FITTING
600 in-lb 50 ft-lb	300 in-lb 25 ft-lb	600 in-lb 50 ft-lb	240 in-lb 20 ft-lb
3/4"-10 UNC HEX LOCKNUT			
900 in-lb 75 ft-lb			

NOTE: SEE GUIDELINES FOR PROPER APPLICATION OF THIS PRODUCT

GRAPHS FOR REFERENCE ONLY - USE THE CHART DATA BELOW FOR DESIGN WORK



****NOTE: MAXIMUM INFLATION PRESSURE IS 100 PSIG. MAXIMUM JOUNCE PRESSURE IS 200 PSIG. IF YOUR APPLICATION WILL EXCEED THESE LIMITS, CONSULT A GOODYEAR REPRESENTATIVE FOR APPLICATION ASSISTANCE.**

CONSTANT PRESSURE CHARACTERISTICS

Assembly Height (in)	Meniscus Height "M" Dim. @ 100 PSIG (in)	Volume @ 100 PSIG (in ³)	Nominal Force (lb)				
			@ 20 PSIG	@ 40 PSIG	@ 60 PSIG	@ 80 PSIG	@ 100 PSIG
29.1	8.1	1760	320	850	1500	2200	3100
26.0	7.6	1596	1100	2000	3100	4300	5500
24.0	7.2	1462	1300	2500	3900	5200	6500
22.0	6.5	1317	1300	2600	4000	5500	7000
20.0	5.2	1174	1350	2600	4100	5500	7000
18.0	4.1	1036	1400	2700	4200	5600	7200
16.0	2.9	899	1450	2800	4300	5800	7300
14.0	1.7	767	1500	2900	4400	5900	7500
12.0	0.7	640	1500	3000	4600	6200	7800
9.5	0.0	429	1900	3400	5100	7100	9000

DYNAMIC CHARACTERISTICS

Design Height (in)	Load (lb)	Pressure (PSIG)	Spring Rate (lb/in)	Natural Frequency	
				cpm	Hz
20.0	2000	28	270	69	1.15
	3000	42	350	64	1.07
	4500	63	465	60	1.00
	6000	83	580	58	0.97
18.0	2000	28	290	71	1.18
	3000	42	405	69	1.15
	4500	62	535	65	1.08
	6000	81	655	62	1.03
	7500	100	790	61	1.02
16.0	2000	27	345	78	1.30
	3000	41	455	73	1.22
	4500	61	600	69	1.15
	6000	80	770	67	1.12
	7500	99	910	65	1.08