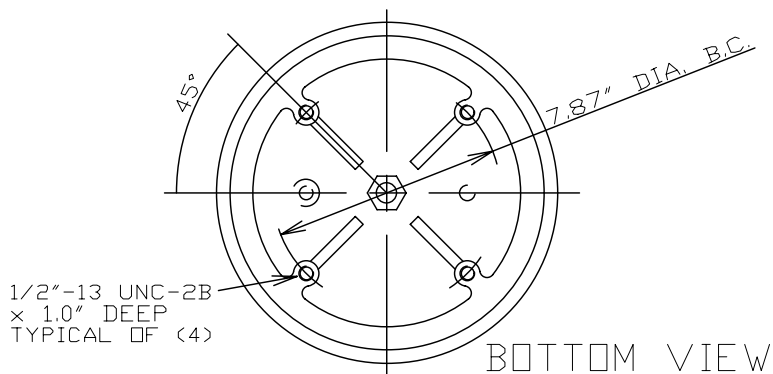
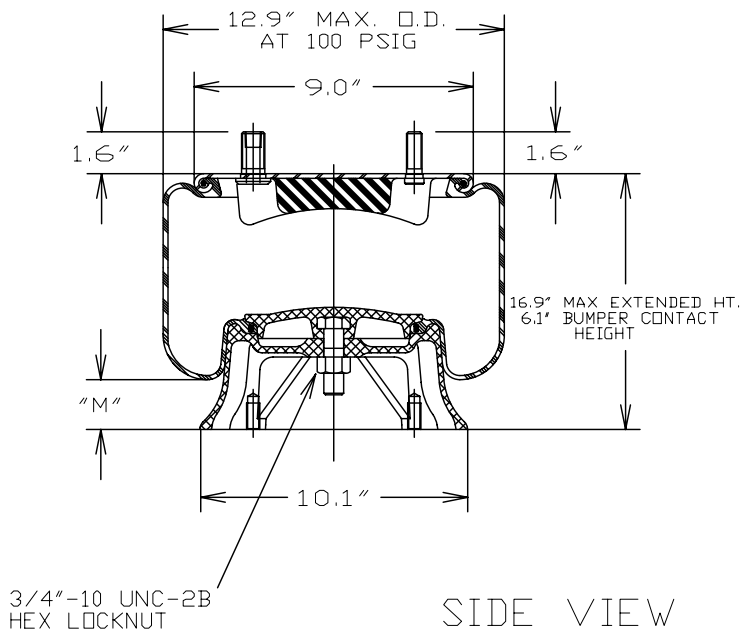
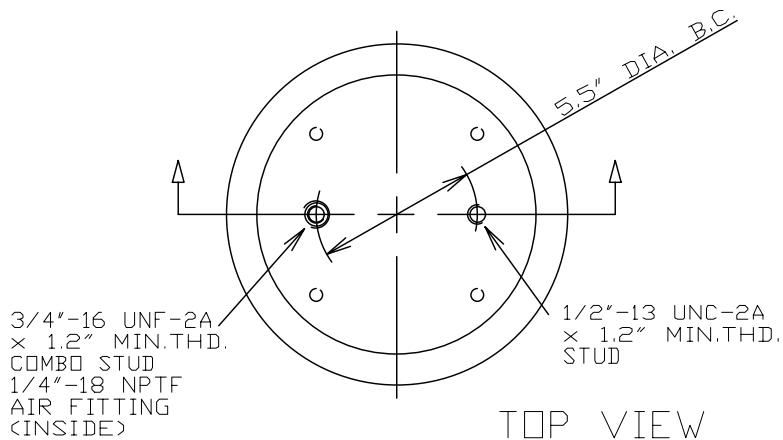


1R12-132



ASSEMBLY NUMBER	ELASTOMER	AIR FITTING	BUMPER INCLUDED
1R12-132	NAT.RUBBER	1/4"-18 NPTF COMBO STUD	YES

SPRING FEATURES:

- LOAD RANGE (ISOLATOR).....1400-7600 lb
- DESIGN HEIGHT RANGE (ISOLATOR).....8.0-10.0 in
- USEABLE STROKE (ACTUATOR).....10.8 in
- ASSEMBLY WEIGHT.....16.9 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:

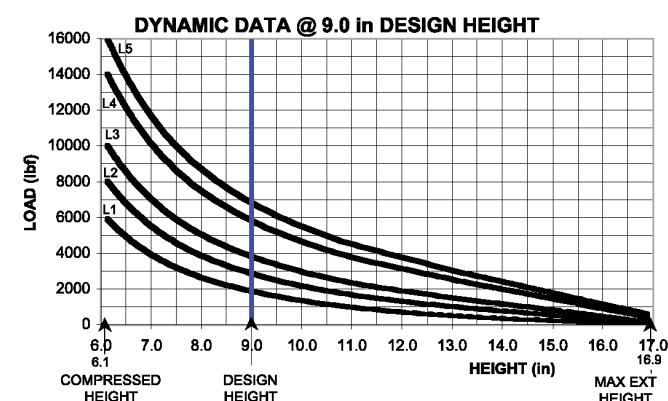
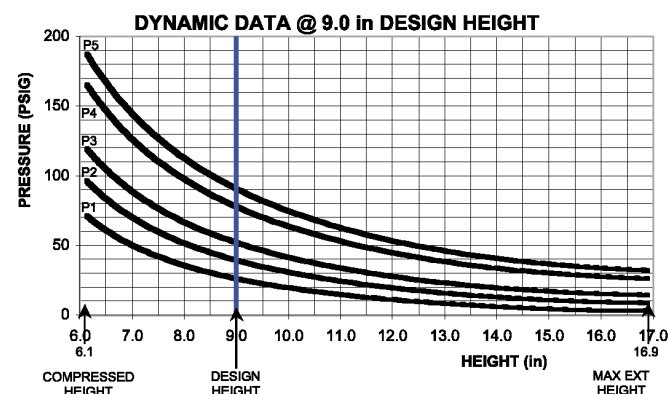
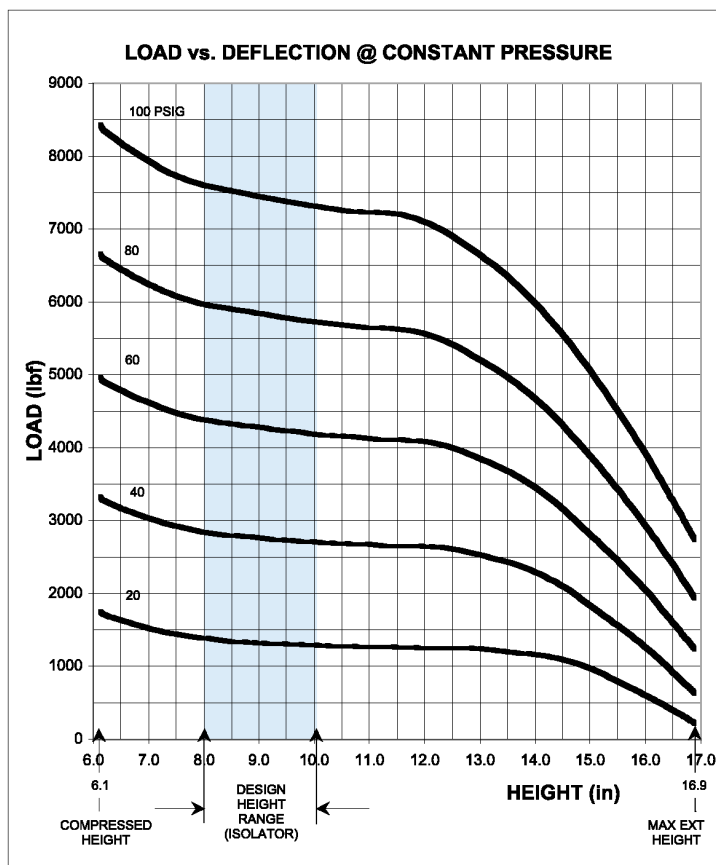
- ALTERNATE HEIGHTS
- STEEL PISTON WITH GREATER EFFECTIVE AREA

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
16.9	4.1	1089	220	620	1200	1900	2700
15.0	4.1	983	950	1800	2800	3900	5100
13.0	3.7	834	1300	2600	3800	5300	6600
12.0	3.3	753	1350	2800	4000	5500	7100
11.0	2.8	672	1350	2800	4100	5600	7200
10.0	2.3	595	1400	2800	4200	5700	7400
9.0	1.7	521	1400	2900	4300	5800	7500
8.0	1.1	448	1450	2900	4400	6000	7600
7.0	0.7	378	1500	3100	4700	6300	7900
6.1	0.3	320	1700	3300	5000	6700	8400

DYNAMIC CHARACTERISTICS

Design Height (in)	Load (lb)	Pressure (PSIG)	Spring Rate (lb/in)	Natural Frequency	
				cpm	Hz
10.0	2000	28	550	98	1.63
	3000	42	700	91	1.52
	4000	55	900	89	1.48
	6000	81	1190	83	1.38
9.0	7000	94	1335	82	1.37
	2000	27	655	107	1.78
	3000	41	840	99	1.65
	4000	54	1035	95	1.58
8.0	6000	80	1400	91	1.52
	7000	93	1595	89	1.48
	2000	27	780	117	1.95
	3000	40	1025	109	1.82
	4000	54	1260	105	1.75
	6000	79	1660	99	1.65
	7000	92	1905	98	1.63