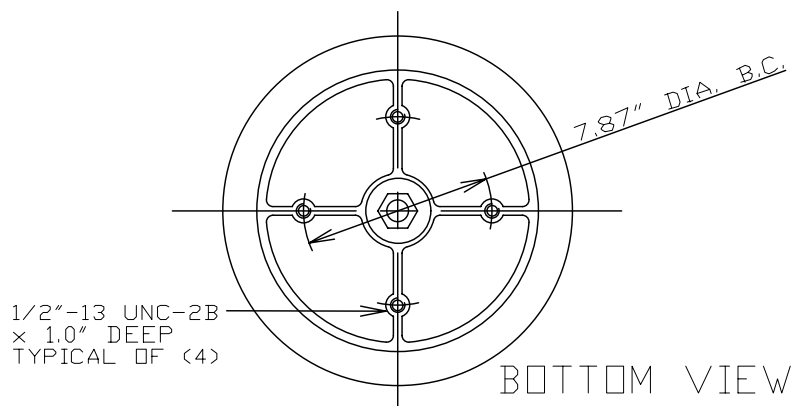
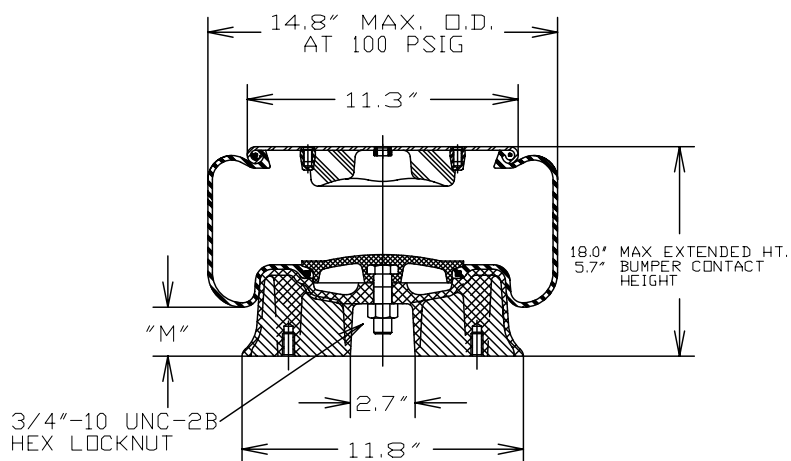
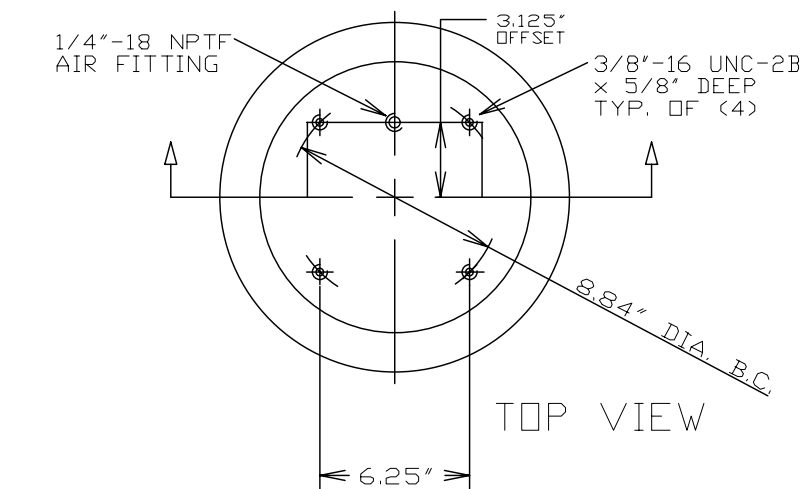


1R14-037



ASSEMBLY NUMBER	ELASTOMER	AIR FITTING	BUMPER INCLUDED
1R14-037	NAT.RUBBER	1/4"-18 NPTF OFFSET 3.125"	YES

SPRING FEATURES:

- LOAD RANGE (ISOLATOR).....1900-11000 lb
- DESIGN HEIGHT RANGE (ISOLATOR).....7.5-11.0 in
- USEABLE STROKE (ACTUATOR).....12.3 in
- ASSEMBLY WEIGHT.....22.9 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:

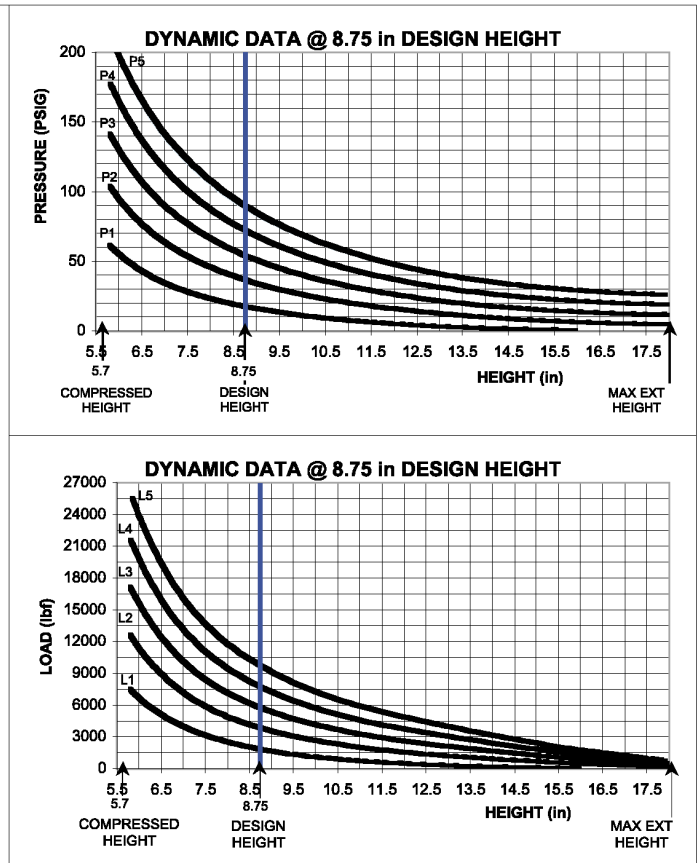
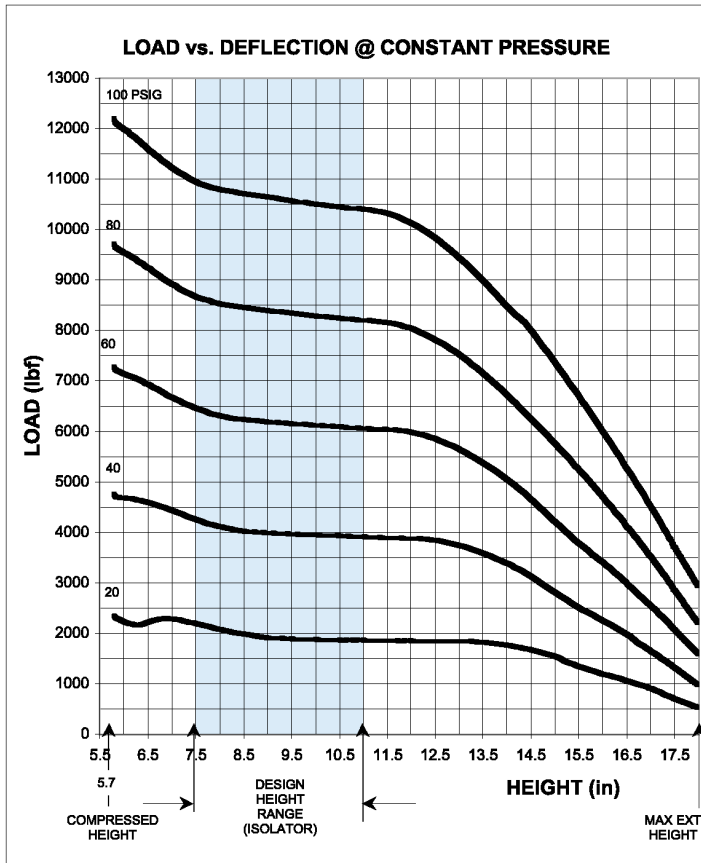
- ALTERNATE HEIGHTS
- STEEL PISTON WITH LESS EFFECTIVE AREA

RECOMMENDED MAX. TORQUE VALUES

3/8"-16 UNC BLIND TAP TYP. OF (4)	1/2"-13 UNC BLIND TAP TYP. OF (4)	1/4"-18 UNC AIR FITTING	3/4"-10 UNC HEX LOCKNUT
300 in-lb 25 ft-lb	600 in-lb 50 ft-lb	240 in-lb 20 ft-lb	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
18.0	3.6	1653	480	950	1500	2200	2900
16.0	3.6	1447	1200	2200	3400	4600	5900
14.0	3.5	1246	1800	3400	5000	6600	8500
12.0	3.0	1011	1800	3900	6000	8100	10100
11.0	2.5	893	1900	4000	6000	8200	10400
10.0	2.0	780	1900	4000	6100	8400	10500
8.75	1.3	676	1900	4000	6200	8500	10600
7.5	0.6	518	2100	4200	6500	8600	11000
7.0	0.3	469	2300	4500	6600	9000	11400
5.7	0.0	354	2400	4700	7300	9800	12200

DYNAMIC CHARACTERISTICS

Design Height (in)	Load (lb)	Pressure (PSIG)	Spring Rate (lb/in)	Natural Frequency	
				cpm	Hz
11.0	2000	20	530	96	1.60
	4000	39	865	87	1.45
	6000	57	1155	83	1.38
	8000	76	1495	81	1.35
8.75	10000	95	1830	80	1.33
	2000	19	810	120	2.00
	4000	38	1250	104	1.73
	6000	56	1630	98	1.63
7.5	8000	75	2040	95	1.58
	10000	92	2430	93	1.55
	2000	17	1025	134	2.23
	4000	36	1660	121	2.02
7.5	6000	54	2330	115	1.92
	8000	73	2735	110	1.83
	10000	91	3275	107	1.78