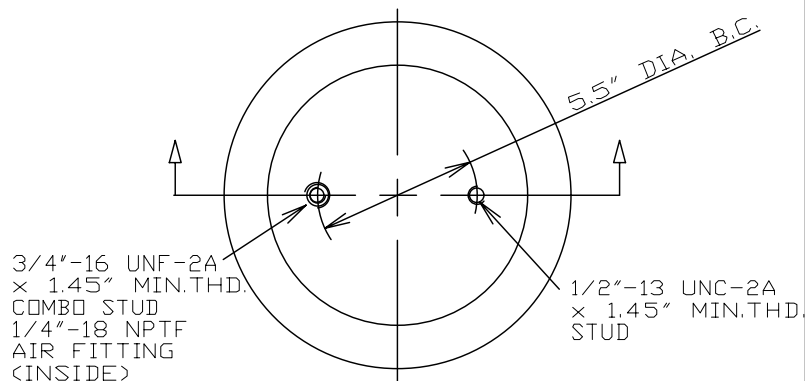
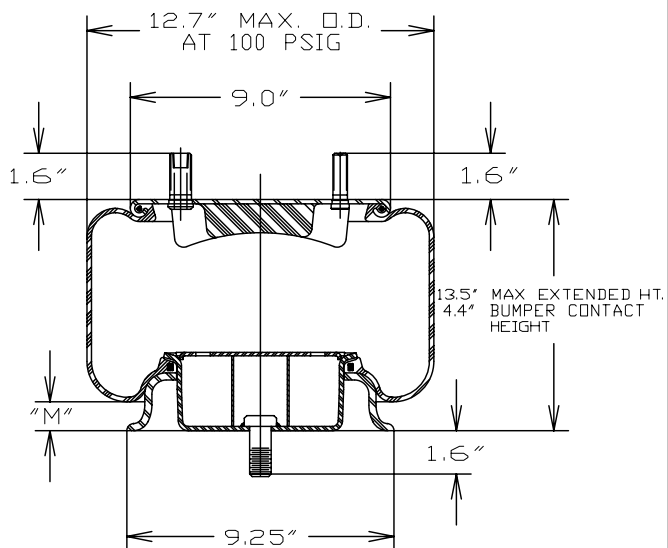


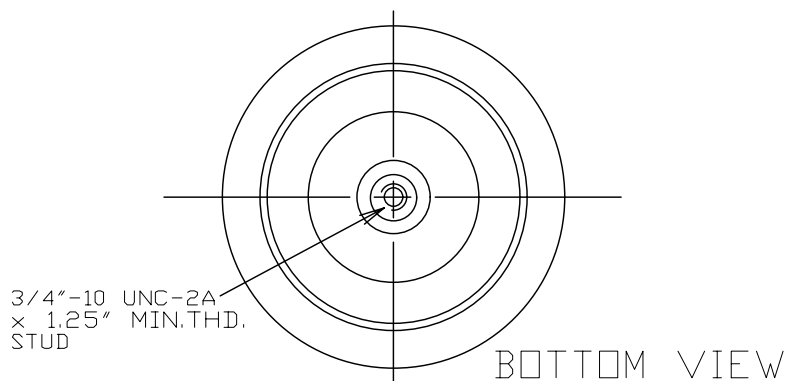
1R12-095



TOP VIEW



SIDE VIEW



BOTTOM VIEW

ASSEMBLY NUMBER	ELASTOMER	AIR FITTING	BUMPER INCLUDED
1R12-095	NAT. RUBBER	1/4"-18 NPTF COMBO STUD	YES

SPRING FEATURES:

- LOAD RANGE (ISOLATOR).....1350-7300 lb
- DESIGN HEIGHT RANGE (ISOLATOR).....7.0-9.0 in
- USEABLE STROKE (ACTUATOR).....9.1 in
- ASSEMBLY WEIGHT.....13.9 lb
- TEMPERATURE RANGE*.....
- STEEL 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:

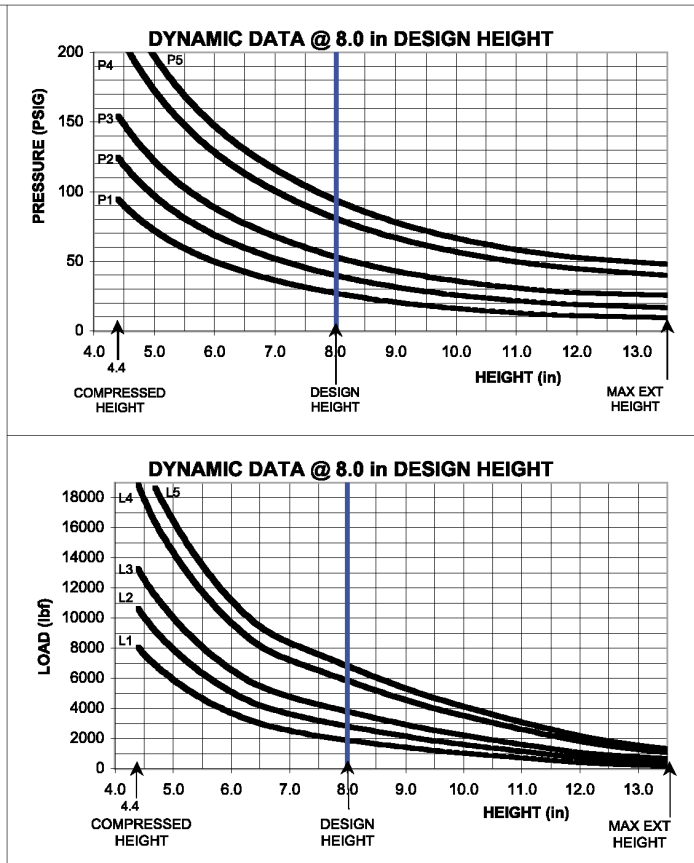
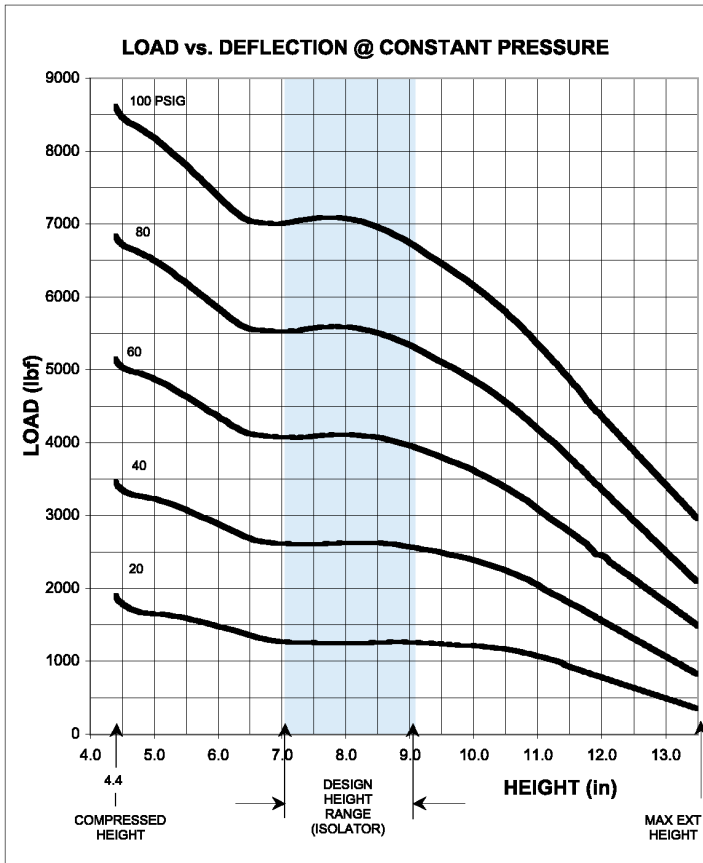
- ALTERNATE BOLT LENGTHS AND SPACINGS
- ALTERNATE AIR FITTING SIZES AND LOCATIONS
- NO BUMPER OR ALTERNATE BUMPER

RECOMMENDED MAX. TORQUE VALUES

3/4"-16 UNF COMBO STUD	1/2"-13 UNC TOP STUD	3/4"-10 UNC BOTTOM STUD	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

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
13.5	2.1	875	240	400	1000	1700	2400
12.0	2.1	777	750	1500	2400	3300	4300
11.0	2.1	713	1080	2000	3100	4200	5400
10.0	1.8	646	1250	2400	3600	4900	6200
9.0	1.5	574	1350	2700	4000	5400	6800
8.0	1.1	501	1350	2700	4300	5800	7300
7.0	0.4	431	1350	2700	4200	5700	7300
6.0	0.3	364	1500	2900	4400	5900	7500
5.0	0.1	296	1700	3300	4900	6600	8200
4.4	0.0	256	1800	3300	5100	6800	8600

DYNAMIC CHARACTERISTICS

Design Height (in)	Load (lb)	Pressure (PSIG)	Spring Rate (lb/in)	Natural Frequency	
				cpm	Hz
9.0	2000	29	605	103	1.72
	3000	43	845	100	1.67
	4000	58	1090	98	1.63
	6000	87	1515	94	1.57
8.0	2000	28	575	100	1.67
	3000	42	755	94	1.57
	4000	55	975	93	1.55
	6000	83	1430	91	1.52
7.0	2000	29	680	109	1.82
	3000	43	865	101	1.68
	4000	57	1045	96	1.60
	6000	84	1295	88	1.47
7.0	7000	98	1500	87	1.45