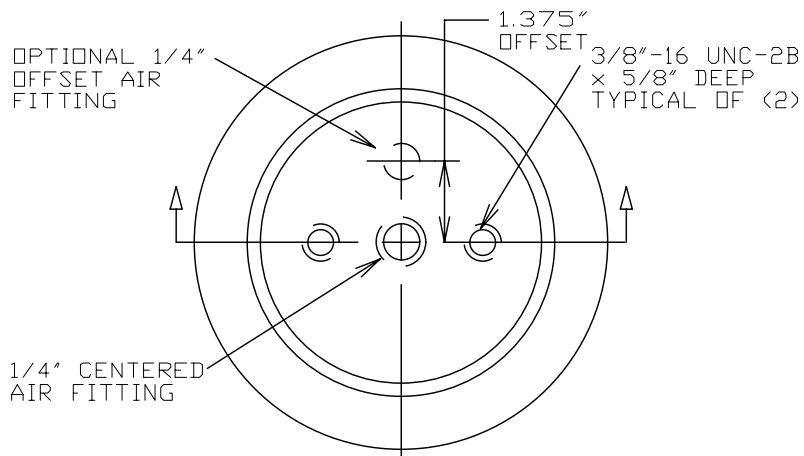
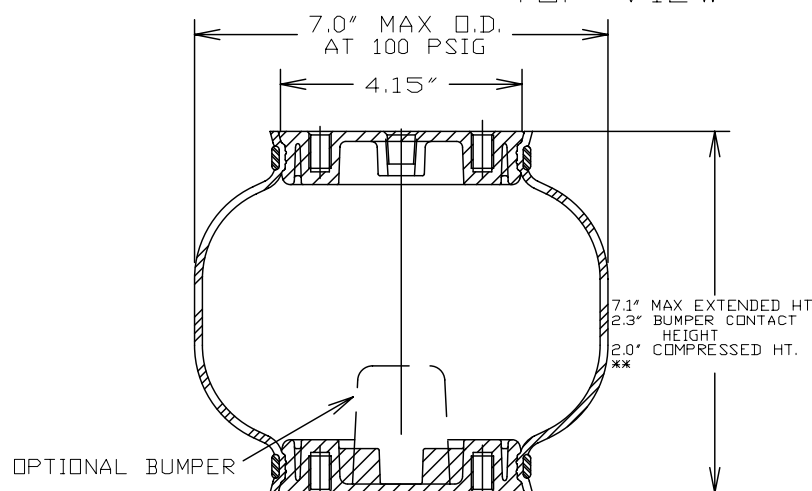


1B6-535

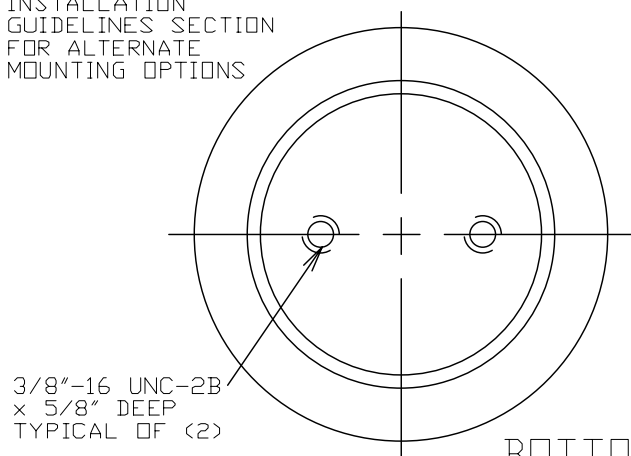


TOP VIEW



SIDE VIEW

TOP AND BOTTOM
SURFACE TO BE FULLY
SUPPORTED BY 7.25"
DIA. PLATE OR SEE
INSTALLATION
GUIDELINES SECTION
FOR ALTERNATE
MOUNTING OPTIONS



BOTTOM VIEW

ASSEMBLY NUMBER	ELASTOMER	AIR FITTING	BUMPER INCLUDED
1B6-535	WINGPRENE	1/4"-18 NPTF CENTERED	NO
1B6-536	WINGPRENE	1/4"-18 NPTF OFFSET 1.375"	NO
1B6-538	WINGPRENE	1/4"-18 NPTF OFFSET 1.375"	YES

** - AS ACTUATOR DO NOT USE BELOW 3.7' HEIGHT. SEE INSTALLATION GUIDELINES.

SPRING FEATURES:

- LOAD RANGE (ISOLATOR).....250-2200 lb
- DESIGN HEIGHT RANGE (ISOLATOR).....4.0-6.0 in
- USEABLE STROKE w/o BUMPER (ACTUATOR)....3.4 in
- USEABLE STROKE WITH BUMPER (ACTUATOR)**N.A. in
- ASSEMBLY WEIGHT w/o BUMPER.....3.5 lb
- TEMPERATURE RANGE.....*
- FORCE TO COMPRESS AT 0 PSIG (APPROX.)...120 lb
- NOMINAL FREE STANDING HT. AT 0 PSIG....5.4 in

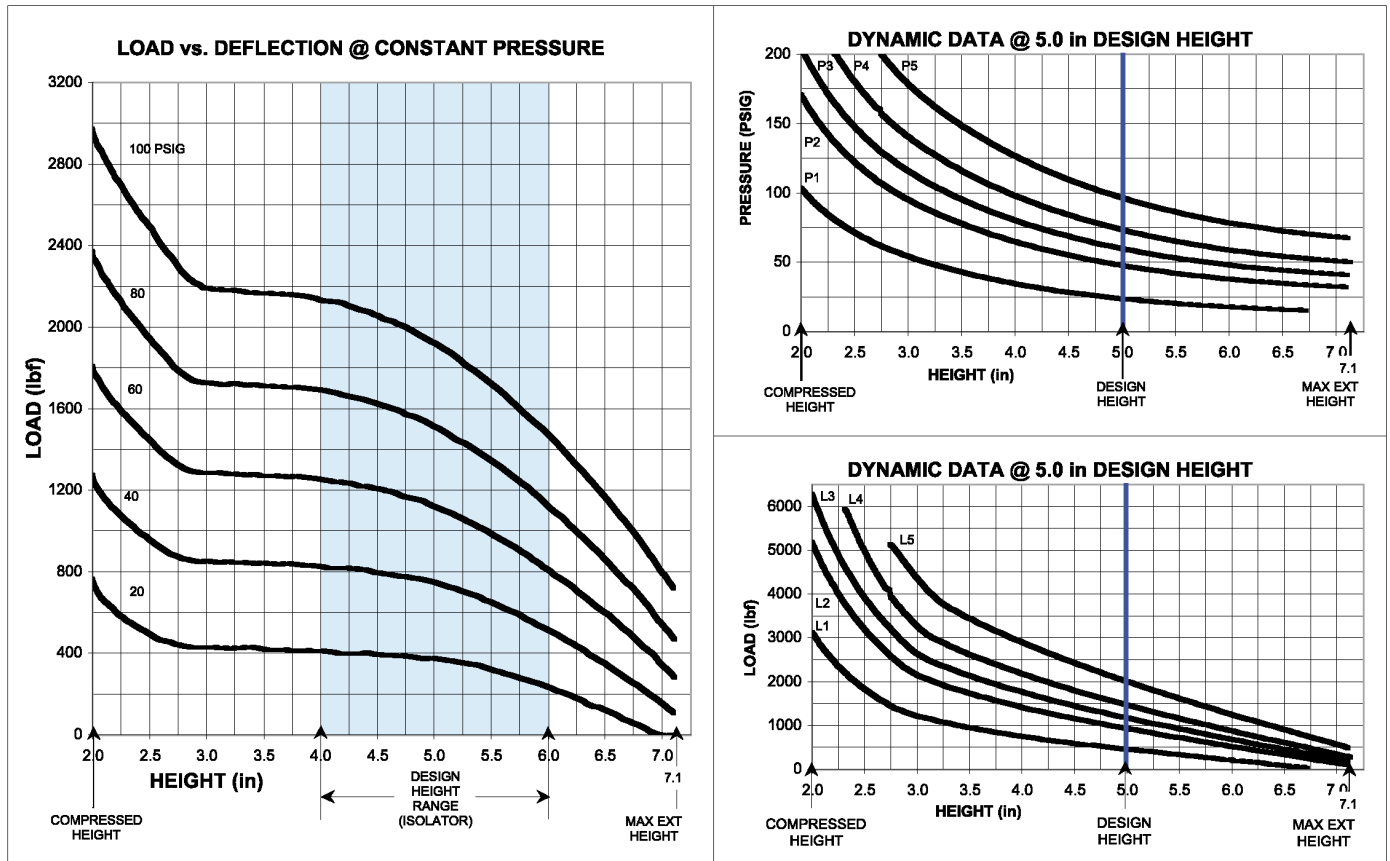
* NOTE: PRODUCT LIFE MAY BE SHORTENED WHEN OPERATING AT OR NEAR EXTREME TEMPERATURES. SEE TEMPERATURE RANGE GUIDELINES SECTION.

RECOMMENDED MAX. TORQUE VALUES

3/8"-16 UNC BLIND TAP TYP. OF (4)	1/4"-18 UNC AIR FITTING
240 in-lb 20 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)	Volume @ 100 PSIG (in ³)	Nominal Force (lb)				
		@ 20 PSIG	@ 40 PSIG	@ 60 PSIG	@ 80 PSIG	@ 100 PSIG
7.1	153	10	140	300	500	750
6.0	137	250	520	800	1150	1500
5.5	128	320	700	1000	1350	1700
5.0	117	380	750	1100	1500	1900
4.5	107	380	800	1200	1600	2100
4.0	96	420	850	1250	1700	2100
3.5	86	420	850	1300	1700	2200
3.0	76	440	850	1300	1700	2200
2.5	65	540	1000	1450	2000	2500
2.0	58	750	1250	1800	2300	3000

DYNAMIC CHARACTERISTICS

Design Height (in)	Load (lb)	Pressure (PSIG)	Spring Rate (lb/in)	Natural Frequency	
				cpm	Hz
6.0	500	35	365	160	2.67
	1000	65	595	145	2.42
	1250	79	695	140	2.33
	1500	94	805	138	2.30
5.0	500	25	270	138	2.30
	1000	50	470	129	2.15
	1250	63	565	127	2.12
	1500	75	650	124	2.07
	2000	99	820	120	2.00
4.0	500	22	270	138	2.30
	1000	45	440	125	2.08
	1250	56	520	121	2.02
	1500	68	600	119	1.98
	2000	90	750	116	1.93