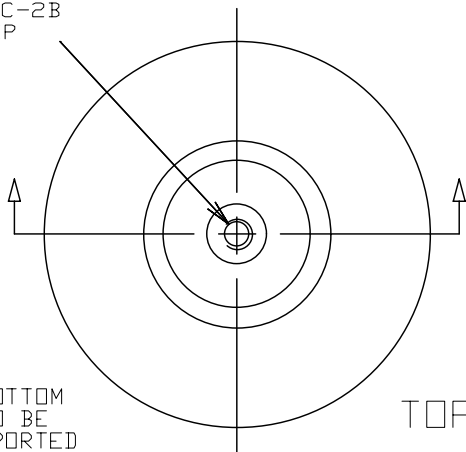


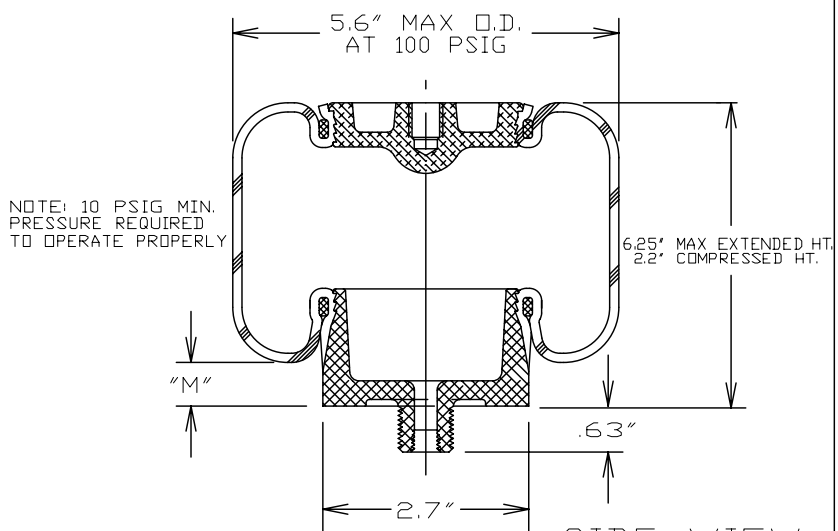
1S5-010

3/8"-16 UNC-2B
x 1/2" DEEP



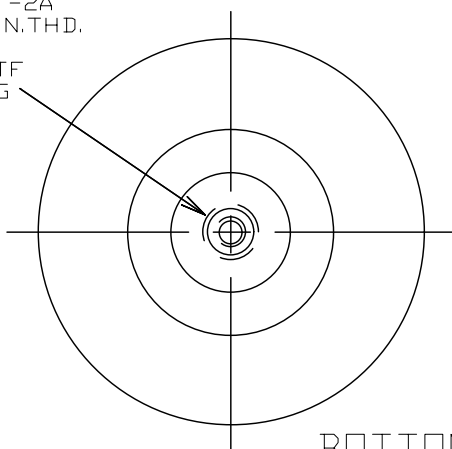
TOP AND BOTTOM
SURFACE TO BE
FULLY SUPPORTED
TO 5.1" DIA.

TOP VIEW



SIDE VIEW

3/4"-16 UNF-2A
x 9/16" MIN. THD.
COMBO STUD
1/8"-27 NPTF
AIR FITTING
(INSIDE)



BOTTOM VIEW

ASSEMBLY NUMBER	ELASTOMER	AIR FITTING	BUMPER INCLUDED
1S5-010	WINGPRENE	1/8"-27 NPTF COMBO STUD	NO

CONTACT GOODYEAR BEFORE USING
AS AN ACTUATOR

SPRING FEATURES:

- LOAD RANGE (ISOLATOR).....180-1100 lb
- DESIGN HEIGHT RANGE (ISOLATOR).....3.8-4.3 in
- USEABLE STROKE (ACTUATOR).....4.0 in
- ASSEMBLY WEIGHT.....1.9 lb
- TEMPERATURE RANGE.....*
- DIECAST END COMPONENTS

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

OTHER OPTIONS:

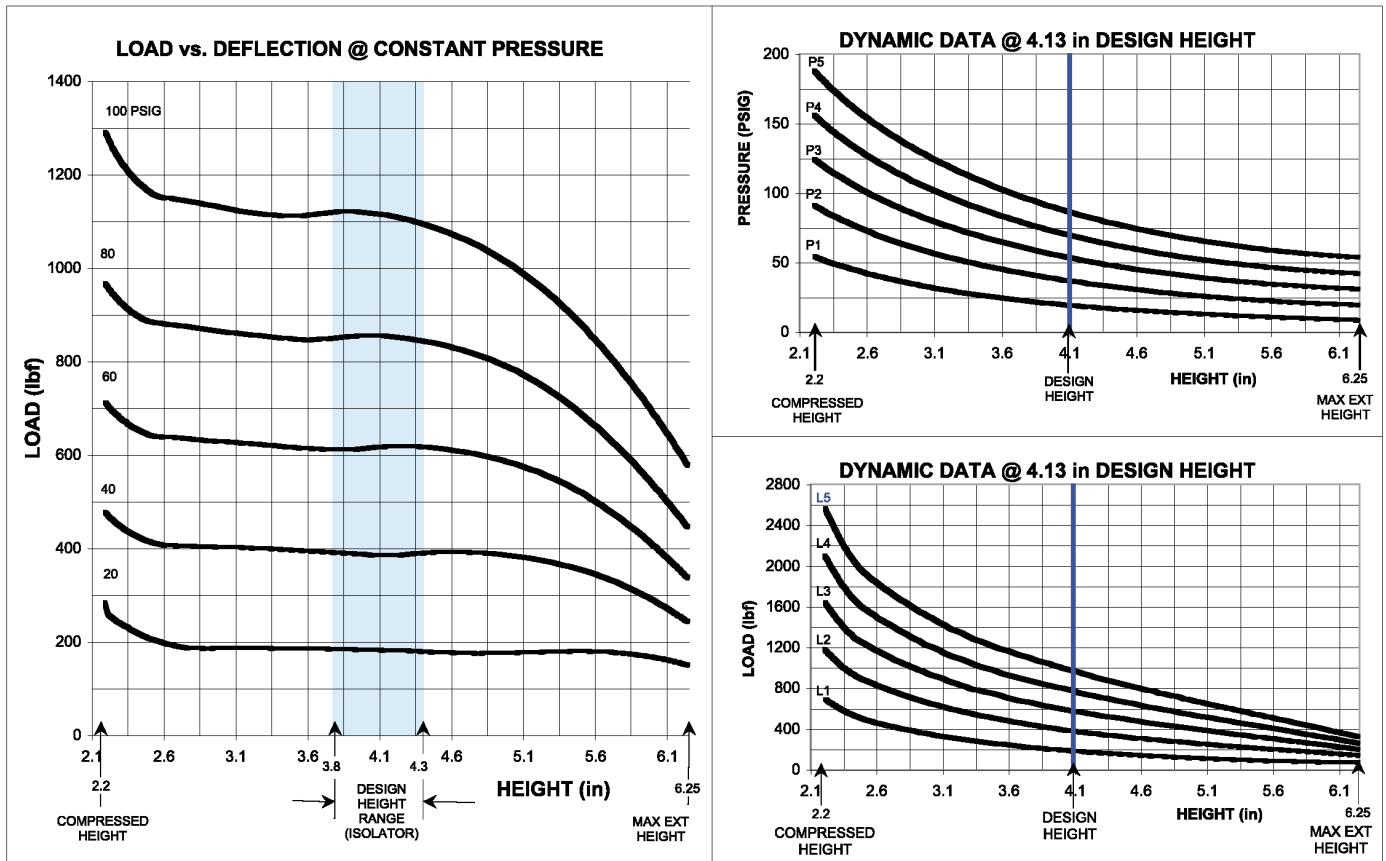
- COMPOSITE END COMPONENTS
- INTEGRAL QUICK CONNECT FITTINGS
- SMOOTH MOUNTING STUDS FOR USE WITH STAR CLIPS (SPEEDS ASSEMBLY)
- AIR FITTING IN TOP

RECOMMENDED MAX. TORQUE VALUES

3/8"-16 UNC BLIND TAP	3/4"-16 UNF COMBO STUD	1/8"-27 UNC AIR FITTING
360 in-lb 30 ft-lb	360 in-lb 30 ft-lb	180 in-lb 15 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	Volume @ 100 PSIG (in ³)	Nominal Force (lb)				
			@ 20 PSIG	@ 40 PSIG	@ 60 PSIG	@ 80 PSIG	@ 100 PSIG
6.25	1.5	70	140	240	320	440	560
5.75	1.4	66	180	320	460	620	800
5.0	1.2	58	180	380	580	800	1000
4.3	1.1	51	180	400	620	850	1100
4.13	1.0	48	180	400	620	850	1100
3.8	0.8	45	190	400	620	850	1100
3.5	0.7	42	190	400	620	850	1100
3.0	0.3	36	190	400	640	850	1100
2.5	0.1	31	210	420	660	900	1150
2.2	0.0	28	250	460	700	950	1250

DYNAMIC CHARACTERISTICS

Design Height (in)	Load (lb)	Pressure (PSIG)	Spring Rate (lb/in)	Natural Frequency	
				cpm	Hz
4.3	200	21	100	131	2.18
	400	38	165	120	2.00
	600	55	240	119	1.98
	800	73	315	118	1.97
4.13	950	90	385	117	1.95
	200	21	105	134	2.23
	400	38	170	122	2.03
	600	55	240	119	1.98
3.8	800	72	310	117	1.95
	950	88	380	116	1.93
	200	21	100	134	2.23
	400	39	170	123	2.05
3.5	600	56	235	118	1.97
	800	74	305	116	1.93
	950	88	360	113	1.88