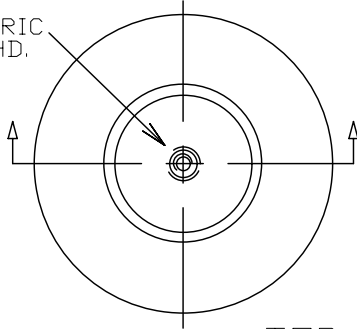


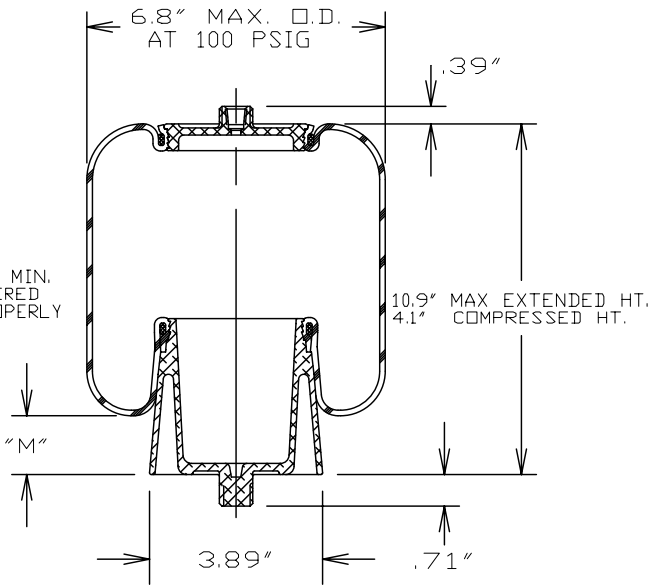
1S6-023

M20-2.5-6g METRIC
 x 10 mm MIN.THD.
 COMBO STUD
 1/8"-27 NPTF
 AIR FITTING
 (INSIDE)



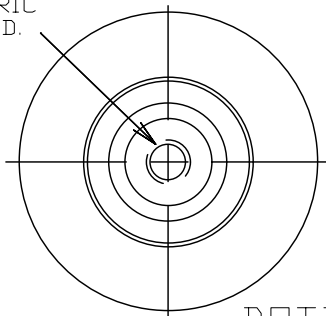
TOP VIEW

TOP AND BOTTOM
 SURFACE TO BE
 FULLY SUPPORTED
 TO 6.3" DIA.



SIDE VIEW

M20-2.5-6g METRIC
 x 15 mm MIN.THD.



BOTTOM VIEW

ASSEMBLY NUMBER	ELASTOMER	AIR FITTING	BUMPER INCLUDED
1S6-023	WINGPRENE	1/8"-27 NPTF COMBO STUD	NO

SPRING FEATURES:

- LOAD RANGE (ISOLATOR).....260-1600 lb
- DESIGN HEIGHT RANGE (ISOLATOR).....7.0-8.6 in
- USEABLE STROKE (ACTUATOR).....6.8 in
- ASSEMBLY WEIGHT.....2.9 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:

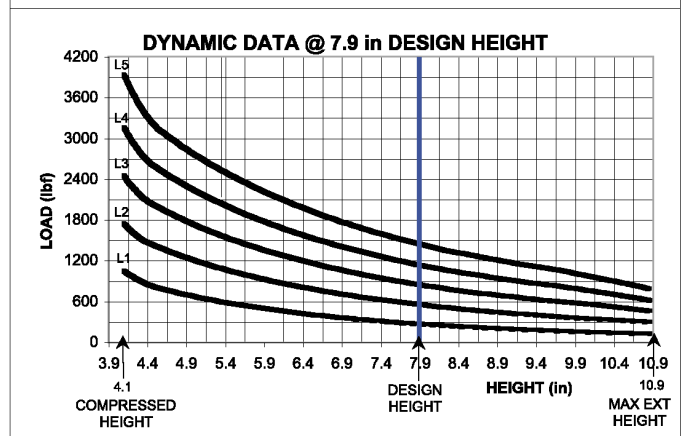
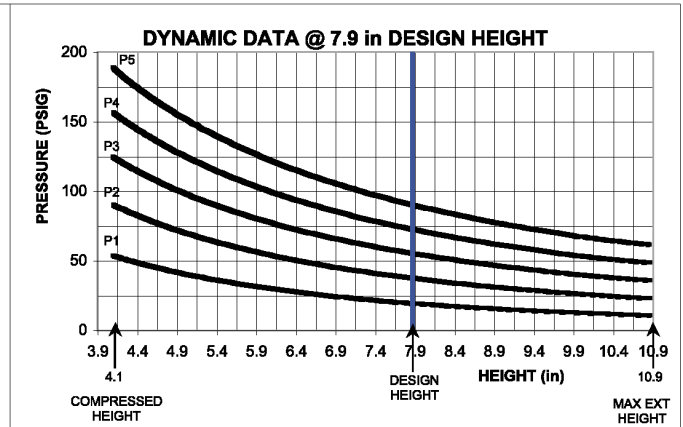
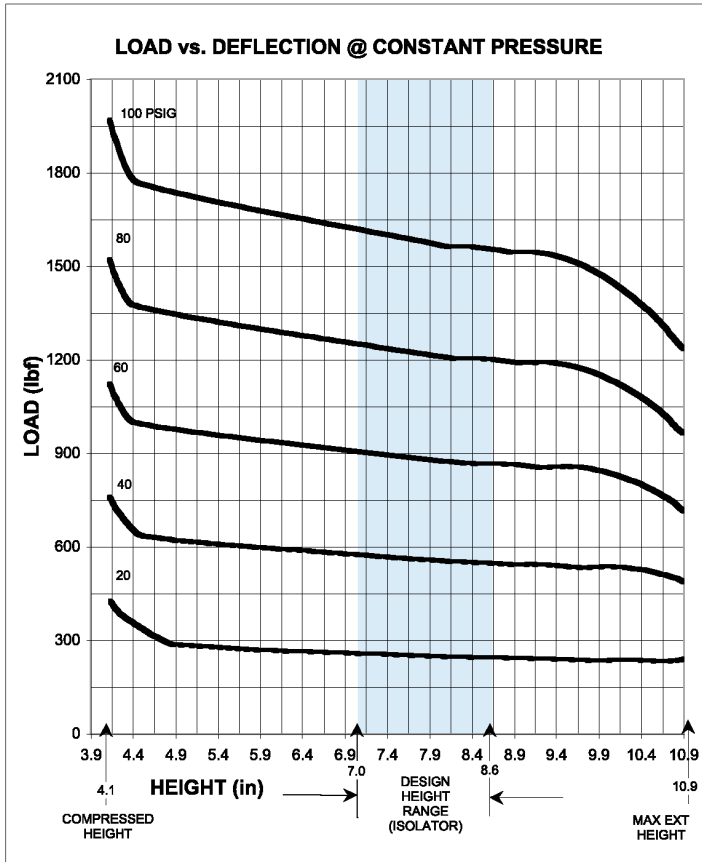
- COMPOSITE END COMPONENTS
- SMOOTH MOUNTING STUDS FOR USE WITH STAR CLIPS (SPEEDS ASSEMBLY)
- AIR FITTING IN PISTON

RECOMMENDED MAX. TORQUE VALUES

M20-2.5-6g METRIC STUD	M20-2.5-6g METRIC 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
10.9	3.3	205	240	480	700	950	1200
10.0	3.1	191	260	560	850	1150	1450
9.5	2.9	182	260	560	850	1200	1500
9.0	2.7	173	260	580	900	1250	1600
8.6	2.5	167	260	580	900	1250	1600
7.9	2.0	154	260	580	900	1250	1600
7.0	1.5	140	280	600	950	1300	1600
6.0	0.9	123	280	620	950	1300	1700
5.0	0.3	107	300	640	1000	1350	1700
4.1	0.0	93	420	750	1100	1500	2000

DYNAMIC CHARACTERISTICS

Design Height (in)	Load (lb)	Pressure (PSIG)	Spring Rate (lb/in)	Natural Frequency	
				cpm	Hz
8.6	300	21	75	95	1.58
	600	40	120	83	1.38
	850	57	165	81	1.35
	1150	74	205	78	1.30
7.9	1450	92	250	77	1.28
	300	20	85	102	1.70
	600	39	140	91	1.52
	850	57	190	87	1.45
7.0	1150	75	230	82	1.37
	1450	92	275	80	1.33
	300	20	90	104	1.73
	600	39	155	96	1.60
7.0	850	56	220	92	1.53
	1250	73	265	88	1.47
	1450	90	320	87	1.45