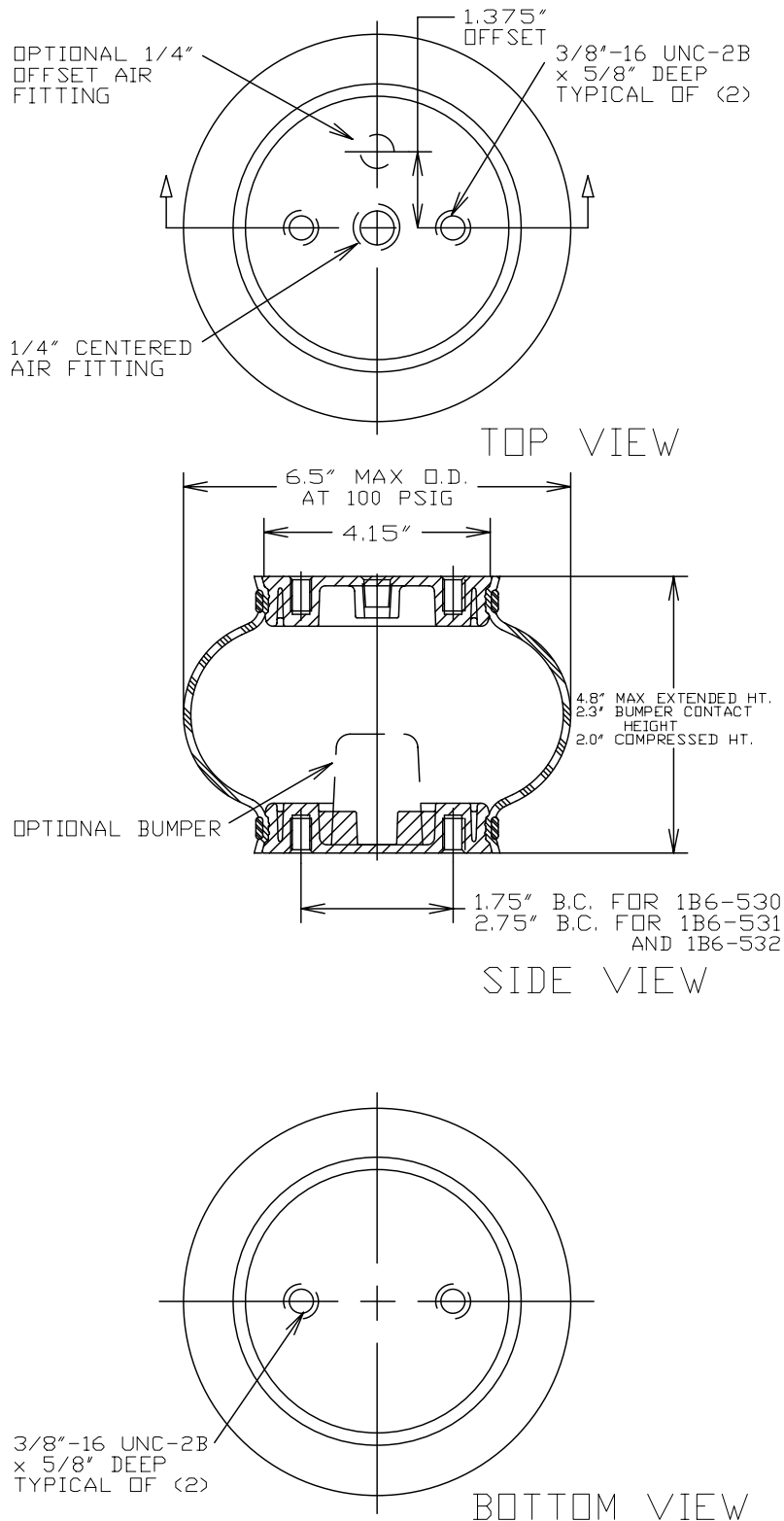


1B6-530



ASSEMBLY NUMBER	ELASTOMER	AIR FITTING	BUMPER INCLUDED
1B6-530	WINGPRENE	1/4"-18 NPTF CENTERED	NO
1B6-531	WINGPRENE	1/4"-18 NPTF OFFSET 1.375"	NO
1B6-532	WINGPRENE	1/4"-18 NPTF OFFSET 1.375"	YES

SPRING FEATURES:

- LOAD RANGE (ISOLATOR).....280-1900 lb
- DESIGN HEIGHT RANGE (ISOLATOR).....3.0-4.0 in
- USEABLE STROKE w/o BUMPER (ACTUATOR)....2.8 in
- USEABLE STROKE WITH BUMPER (ACTUATOR)...2.5 in
- ASSEMBLY WEIGHT w/o BUMPER.....3.3 lb
- TEMPERATURE RANGE.....*
- FORCE TO COMPRESS AT 0 PSIG (APPROX.)....25 lb
- NOMINAL FREE STANDING HT. AT 0 PSIG....3.9 in

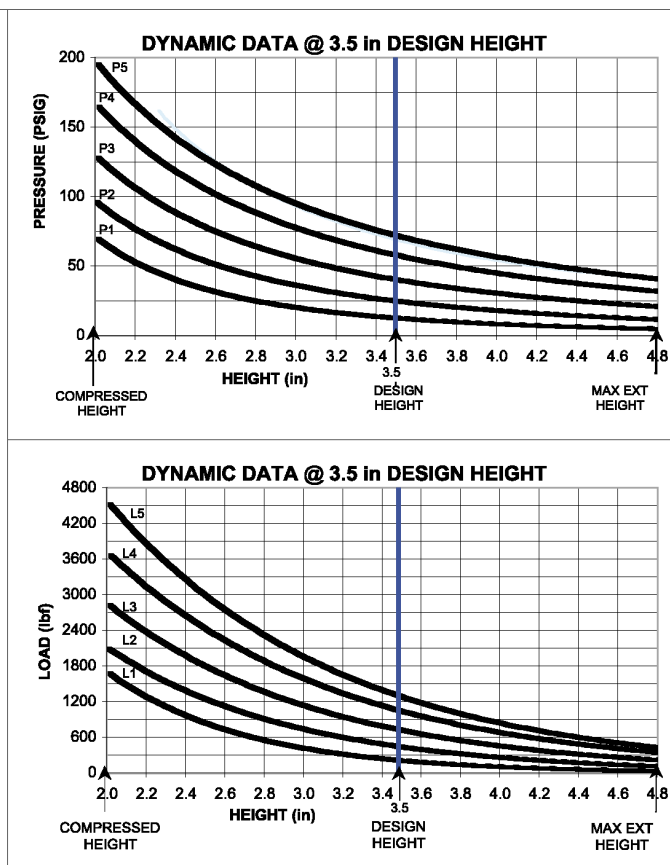
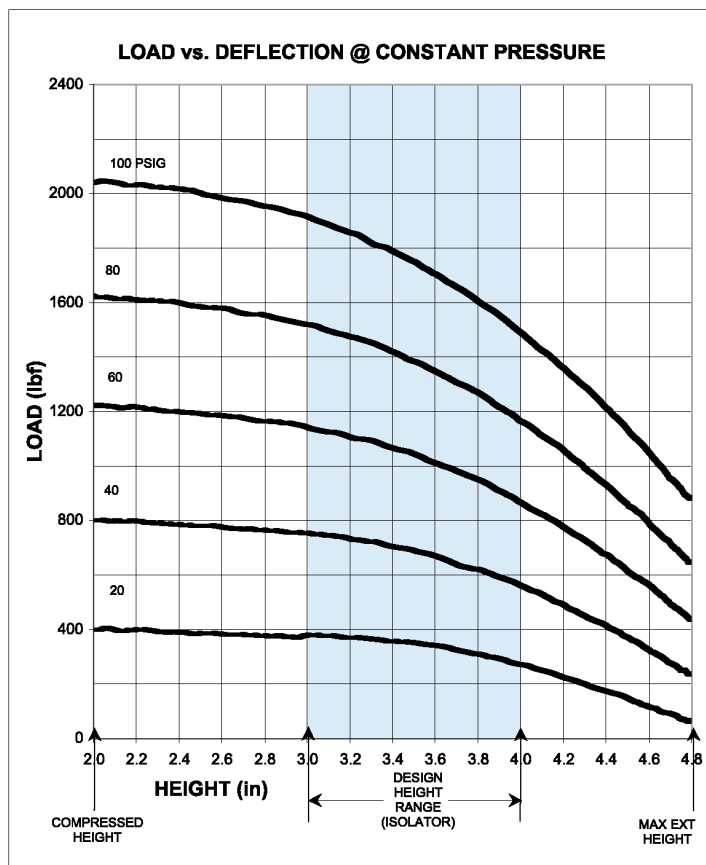
* NOTE: PRODUCT LIFE MAY BE SHORTENED WHEN OPERATING AT OR NEAR EXTREME TEMPERATURES. SEE TEMPERATURE RANGE GUIDELINES SECTION.

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
4.8	85	60	230	440	620	850
4.5	80	160	380	640	850	1150
4.0	71	280	580	850	1200	1500
3.5	62	360	700	1050	1400	1700
3.0	52	400	750	1150	1500	1900
2.5	42	400	800	1200	1600	2000
2.0	33	420	800	1200	1600	2000

DYNAMIC CHARACTERISTICS

Design Height (in)	Load (lb)	Pressure (PSIG)	Spring Rate (lb/in)	Natural Frequency	
				cpm	Hz
4.0	200	21	375	206	3.43
	450	37	525	185	3.08
	750	57	730	173	2.88
	1050	78	940	166	2.77
3.5	1300	96	1115	163	2.72
	200	16	300	190	3.17
	450	31	445	169	2.82
	750	48	640	164	2.73
3.0	1050	67	840	156	2.60
	1300	83	1020	155	2.58
	200	15	325	192	3.20
	450	28	465	173	2.88
2.5	750	44	645	164	2.73
	1050	61	860	158	2.63
	1300	76	1005	154	2.57
	200	15	325	192	3.20