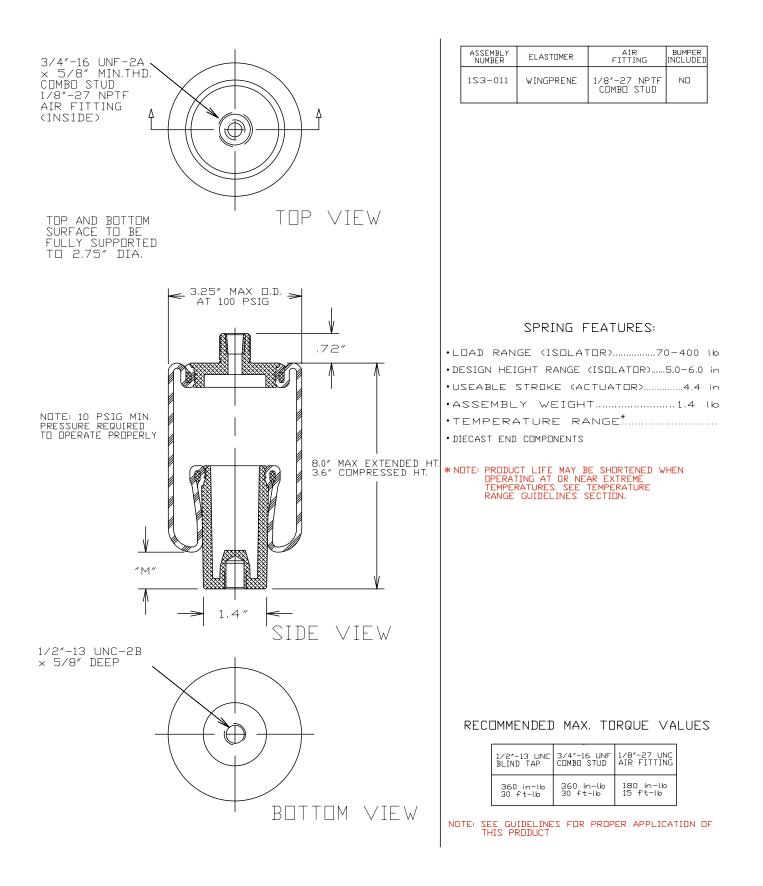
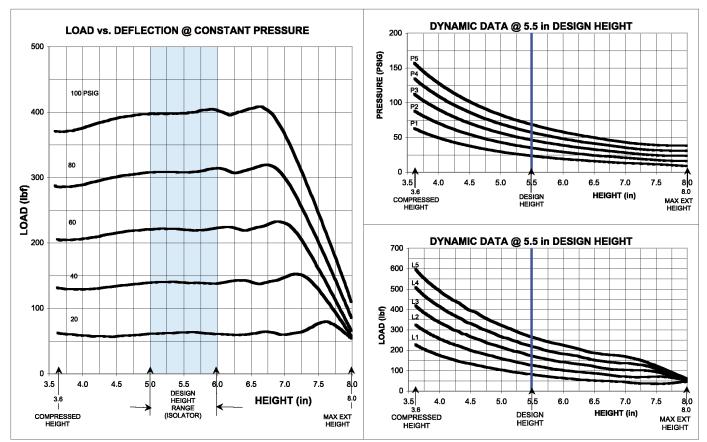
1S3-011



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 (Ib)				
			@ 20 PSIG	@ 40 PSIG	@ 60 PSIG	@ 80 PSIG	@ 100 PSIG
8.0	3.0	28	40	50	60	80	110
6.5	2.7	21	70	150	230	320	400
6.0	2.2	18	70	150	240	320	400
5.75	2.2	17	70	150	230	320	400
5.5	2.0	16	70	150	230	320	400
5.25	1.9	15	70	150	230	320	400
5.0	1.7	14	70	150	230	320	400
4.5	1.4	13	60	140	220	300	400
4.0	0.8	11	60	130	210	300	380
3.6	0.3	10	60	130	200	280	360

DYNAMIC CHARACTERISTICS

Design Height	Load	Pressure	Spring Rate	Natural Frequency		
(in)	(Ib)	(PSIG)	(lb/in)	cpm	Hz	
	80	25	35	111	1.85	
	125	37	55	114	1.90	
6.0	170	48	70	111	1.85	
	215	60	85	110	1.83	
	260	72	100	108	1.80	
	80	26	45	124	2.07	
	125	38	60	119	1.98	
5.5	170	50	75	114	1.90	
	215	62	85	111	1.85	
	260	74	105	110	1.83	
	80	26	45	125	2.08	
	125	39	65	123	2.05	
5.0	170	50	85	122	2.03	
	215	62	100	120	2.00	
	260	74	120	118	1.97	