

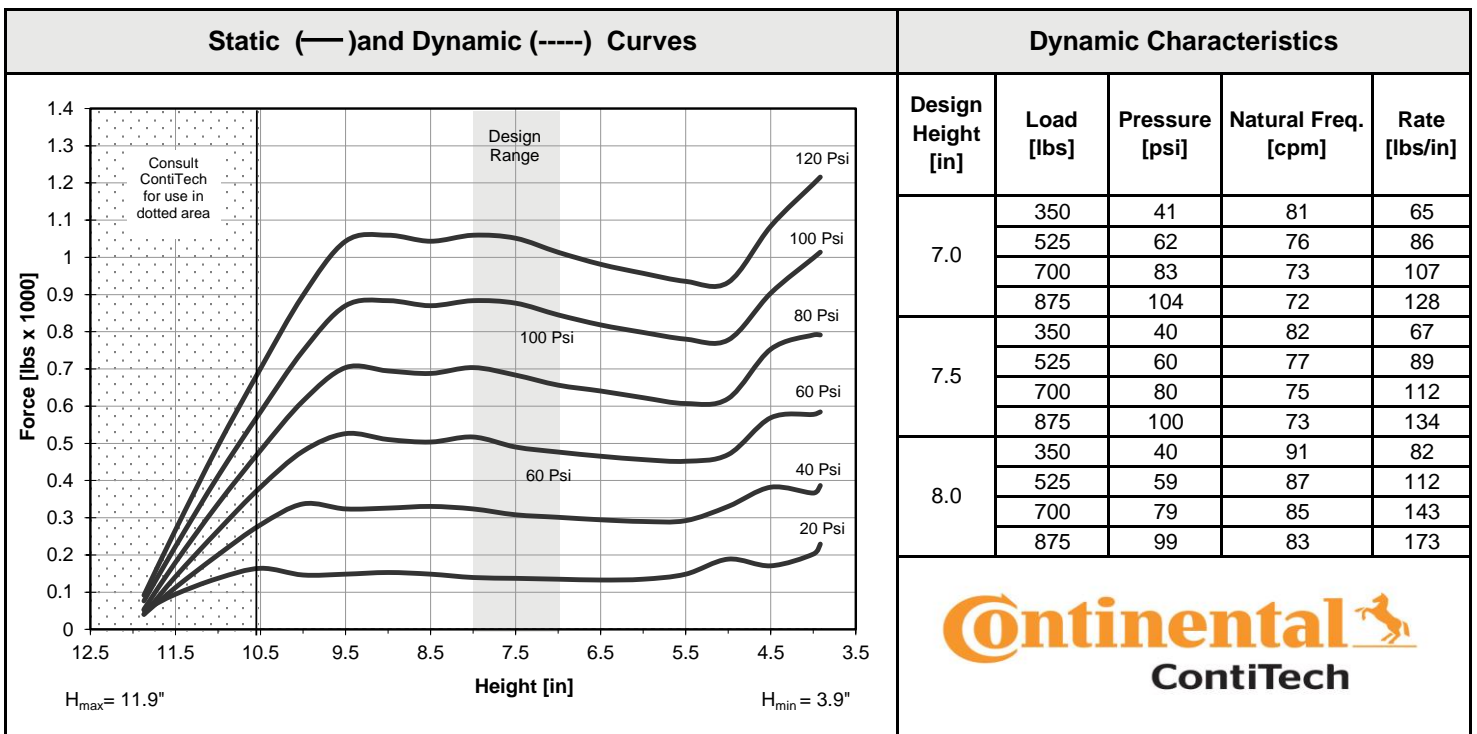
ContiTech Air Springs

Engineering Design Guide

SC29-PG17

Piston 9313363

Assembly Description	Static Characteristics					
Torque 3/4-16 UNF=40-50 ft lbf 1/2-13 UNC=25-35 ft lbf	Design Height	Load 100	Load 80	Load 60	Volume 100 Psi	B-Dim 100 Psi
	[in]	[lbs]	[lbs]	[lbs]	[cu.in x 100]	[in]
	11.9	76	54	40	1.06	3.1
	11.5	223	180	142	1.06	3.1
	11.0	411	337	265	1.03	3.1
	10.5	585	481	382	1.01	3.0
	10.0	749	614	479	0.97	3.0
	9.5	870	704	526	0.92	2.9
	9.0	884	695	510	0.88	2.6
	8.5	870	688	504	0.83	2.3
	8.0	884	704	517	0.78	2.0
	7.5	877	683	490	0.74	1.7
	7.0	845	656	477	0.69	1.3
	6.5	818	641	465	0.64	1.0
	6.0	798	623	456	0.60	0.7
5.5	780	607	452	0.55	0.4	
5.0	778	621	470	0.50	0.1	
4.5	904	753	569	0.46	-0.1	
4.0	998	791	578	0.40	-0.1	
3.9	1014	791	585	0.39	-0.1	



ec1 0, 05/19/2018

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- Combination air inlet & stud, stud outside thread 3/4" - 16, stud inside thread for air inlet 1/4" - 18 N.P.T.
- Exeptions noted in drawings for part variance
- Bolt or Stud 1/2" - 13 UNC
- Blind nut for bead plates 3/8" - 16 UNC, for pistons 1/2" - 13 UNC
- Air inlet 1/4" - 18 N.P.T.