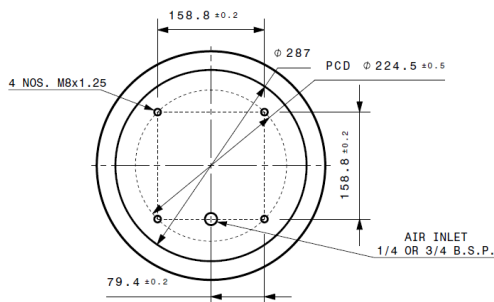
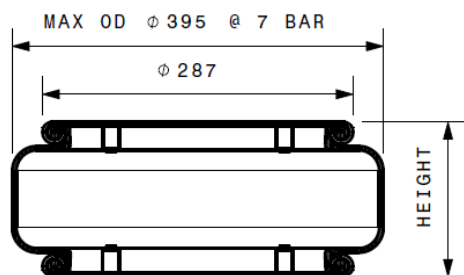
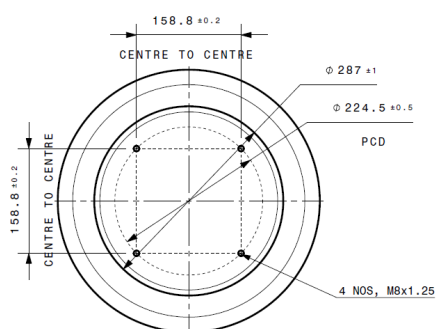




Note: This is the preferred position for Air Inlet.
For any other location, please consult with
Gibraltar Airsprings for feasibility.



Section View



Bottom View

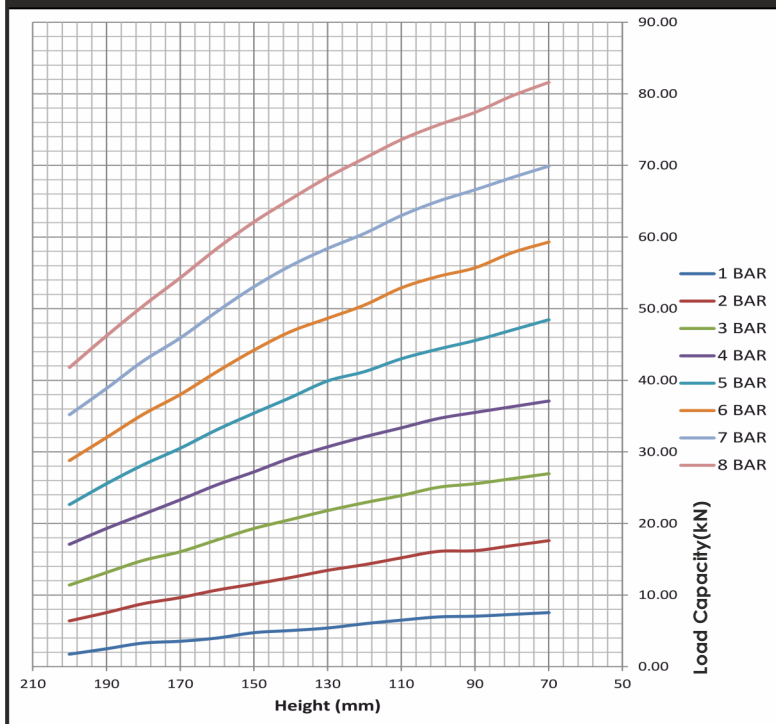
Technical Data

Part Description: Crimped convolute type complete assembly
Free Height: 235mm
Minimum Recommended Height: 70mm
Design Height: 140mm
Maximum Recommended Height: 200mm
Working Stroke: 130mm
Loading Capacity @ 1 BAR @ 140mm ($\pm 5\%$): 5.0kN
Loading Capacity @ 7 BAR @ 140mm ($\pm 5\%$): 56.0kN
Maximum OD @ 7 BAR: $\phi 395$ mm
Required Space: 425mm
Weight (± 0.2 kg) : 7.10kg

Force (kN)

Air Pressure	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar
Height (mm)								
200	1.75	6.40	11.40	17.10	22.65	28.80	35.20	41.80
190	2.50	7.55	13.15	19.30	25.55	32.00	38.85	46.20
180	3.30	8.80	14.85	21.30	28.20	35.25	42.70	50.40
170	3.55	9.65	16.05	23.30	30.50	38.00	45.90	54.30
160	4.00	10.70	17.70	25.40	33.10	41.20	49.60	58.40
150	4.75	11.55	19.30	27.20	35.40	44.20	53.05	62.10
140	5.05	12.45	20.55	29.15	37.60	46.80	56.00	65.30
130	5.40	13.45	21.80	30.70	39.90	48.65	58.40	68.35
120	6.00	14.25	22.90	32.10	41.20	50.50	60.50	71.00
110	6.50	15.20	23.90	33.35	43.00	52.90	63.00	73.60
100	6.95	16.10	25.05	34.65	44.35	54.50	65.00	75.65
90	7.05	16.20	25.55	35.50	45.55	55.70	66.60	77.40
80	7.30	16.90	26.25	36.30	47.00	57.80	68.30	79.70
70	7.55	17.60	26.95	37.10	48.45	59.30	69.90	81.60

Static Characteristics



CROSS REFERENCE

Gibraltar	Firestone	Contitech	Oria
1G-12E	113-1	FS 530-14 CI	M-45E