

G14½ x1E

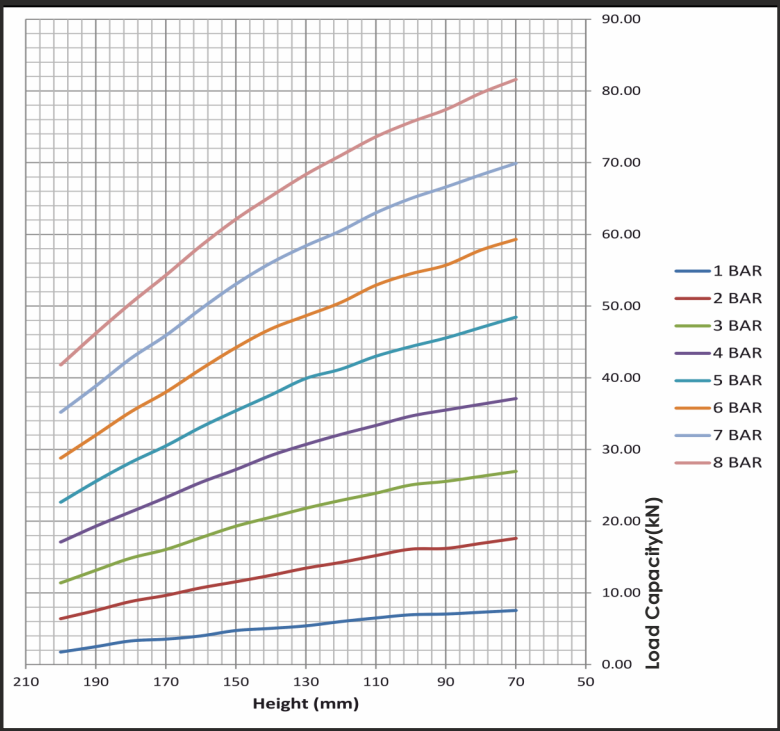
Technical Data

Part Description: D-Series 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 (±5%): 5.0kN	
Loading Capacity @ 7 BAR @ 140mm (±5%): 56.0kN	
Maximum OD @ 7 BAR : Ø395mm	
Required Space: 425mm	
Weight (±0.2kg) : 9.0kg	

Force (kN)

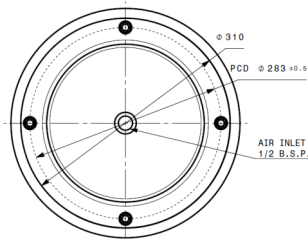
Air Pressure Height (mm)	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar
200	1.75	6.40	11.40	17.10	22.65	28.80	35.20	41.80
190	2.50	7.55	13.15	19.30	25.55	32.00	38.85	46.20
180	3.30	8.80	14.85	21.30	28.20	35.25	42.70	50.40
170	3.55	9.65	16.05	23.30	30.50	38.00	45.90	54.30
160	4.00	10.70	17.70	25.40	33.10	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

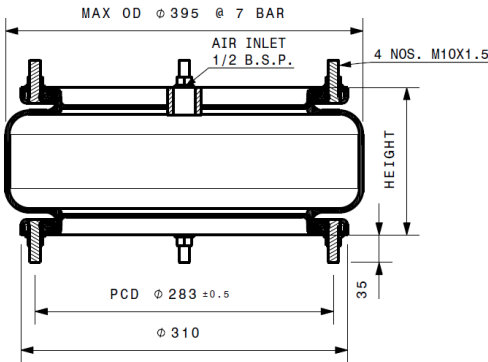


CROSS REFERENCE

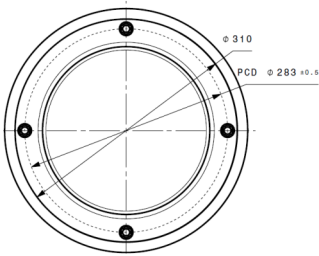
Gibraltar	Firestone	Contitech	Oria
G14½X1E	-	-	-



Top View



Section View



Bottom View