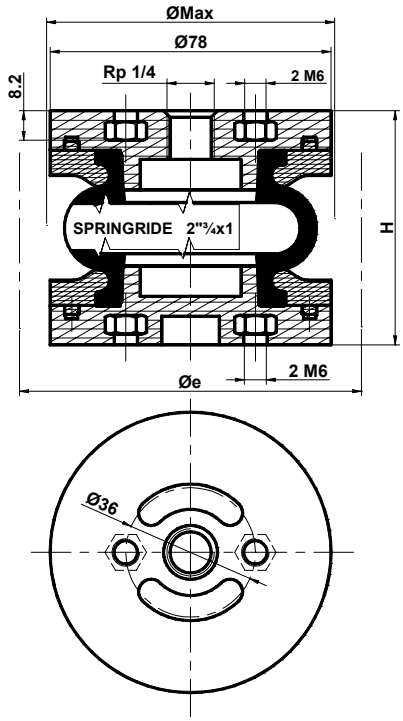
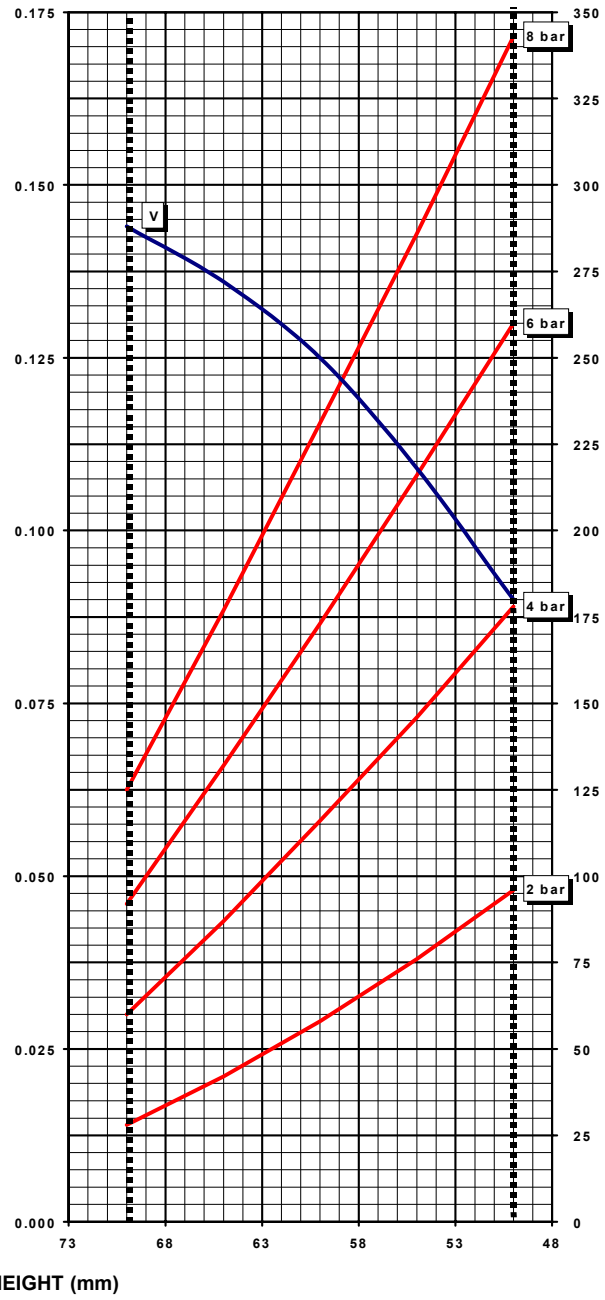
BELLOWS 2¾" x 1 COMPOSITE



CANNOT BE DISMOUNTED, CLAMPING RINGS AND PLATES ARE ASSEMBLED BY SOLDERING. FASTENING TORQUE 5 Nm

Heights (mm) (H)			Stroke (mm)
Maximum	Minimum	Design	
70	50	60	20
Diameters (mm)			Weight (kg)
Ø MAX	Overall		
80	95		0.22

Rubber Bellow	Features	Part Numbers
Standard -40 to 70°C	-Assembled Bellows	SP2745



- Indicative value of force required to reach minimum height at atmospheric pressure : 20 daN

- Maximum pressure : 8 bar

- The datas presented on this document are liable to evolution and don't constitute a commitment from DUNLOP AIRSPRINGS (see page 5-7).

BELLOWS 2¾" x 1 COMPOSITE

FOR USE AS A PNEUMATIC ACTUATOR

CHARACTERISTICS IN STATIC CONDITION				
HEIGHT (mm)	LOAD (daN)			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
50	96	178	260	343
55	76	146	216	286
60	58	116	173	231
65	42	87	132	177
70	28	60	92	125

ANGULAR CAPABILITY **OUT OF ALIGNMENT**

FOR USE WITH AN ANGULAR OR WITH AN OUT OF ALIGNMENT, PLEASE CONTACT OUR TECHNICAL SALES DEPARTMENT.

- Airsprings must not be pressurised unless they are restricted by an outside frame or by a suitable load.
- Strokes must be limited by the direct use of bump stops or external stops.
- When stacking airsprings, special cares must be taken to ensure the airsprings are guided and fixed.
- An Airspring is a single acting air actuator and must not be used below atmospheric pressure.
- Please check the over-pressure in case of quick compression.

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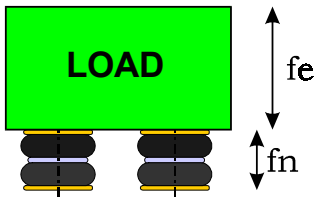
FOR USE AS AN ISOLATOR

DYNAMIC CHARACTERISTICS AT H= 62 mm *				
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
LOAD (daN)	50	105	155	
VOLUME (dm^3)	0.115	0.122	0.130	
STIFFNESS (daN/cm)	56.9	96.1	133.7	
NATURAL FREQUENCY (Hz)	5.22	4.79	4.60	
ISOLATION RATE at 10 Hz	62.5%	70.3%	73.1%	

* Recommanded height for better isolation.

- Isolation rate is given by the formula :

$$I = 1 - \frac{1}{\left(\frac{fe}{fn}\right)^2 - 1}$$



fe = Exciting frequency (Hz)
fn = Airspring natural frequency (Hz)