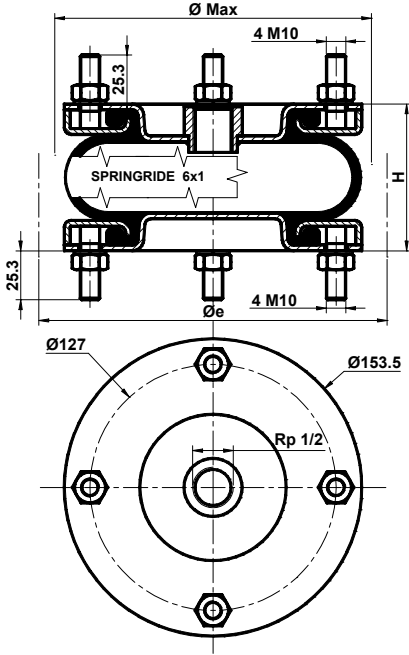


# BELLOWS 6" x 1 STEEL



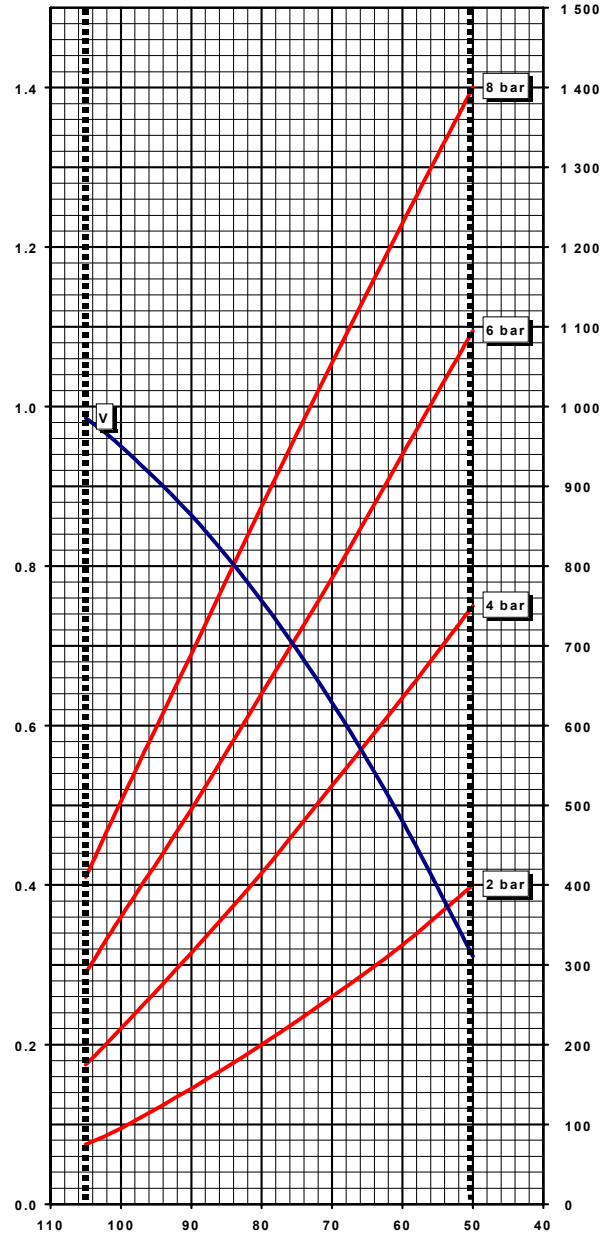
ASSEMBLED WITH 8 NUTS Hu10 AND 8 WASHERS GROWER WZ10.  
FASTENING TORQUE 25 Nm

Heights (mm) (H)			Stroke (mm)
Maximum	Minimum	Design	
105	50	75	55
Diameters (mm)			Weight (kg)
Ø MAX	Overall		
175	190		2.2

Rubber Bellow	Features	Part Numbers
<b>Standard</b>	-Rubber Only	SP1367
-40 to 70°C	-Assembled Bellows	<b>SP1536</b>
<b>Butyl</b>	-Rubber Only	SP1379
-25 to 90°C	-Assembled Bellows	<b>SP2114</b>
<b>Epichlore</b>	-Rubber Only	SP2260
-20 to 115°C	-Assembled Bellows	<b>SP2730</b>

VOLUME V (dm³) at 6 bar

LOAD (daN)



HEIGHT (mm)

- Indicative value of force required to reach minimum height at atmospheric pressure : 14 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 6" x 1 STEEL**

**FOR USE AS A PNEUMATIC ACTUATOR**

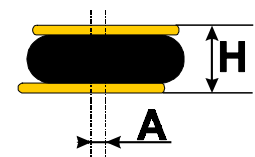
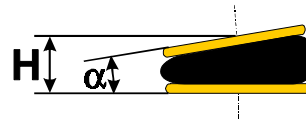
CHARACTERISTICS IN STATIC CONDITION				
HEIGHT (mm)	LOAD (daN)			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
50	400	750	1095	1400
60	325	635	940	1230
70	260	525	785	1055
75	230	470	710	965
90	145	315	495	690
100	95	220	360	505
105	75	175	290	410

ANGULAR CAPABILITY

Maximum (α)	For H between	
	H mini (mm)	H maxi (mm)
5°	60	85
10°	65	80

OUT OF ALIGNMENT

Maximum (A) (mm)	For H between	
	H mini (mm)	H maxi (mm)
10	70	80



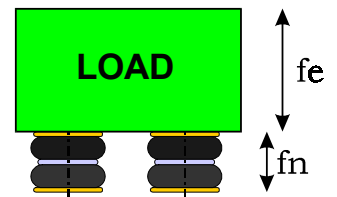
- Airsprings must not be pressurised unless they are restricted by an outside frame or by a suitable load.
- Strokes must be limited by the direct use of bump stops or external stops.
- When stacking airsprings, special cares must be taken to ensure the airsprings are guided and fixed.
- An Airspring is a single acting air actuator and must not be used below atmospheric pressure.
- Please check the over-pressure in case of quick compression.
- The datas presented on this document are liable to evolution and don't constitute a commitment from DUNLOP AIRSPRINGS (see page 5-7).

**FOR USE AS AN ISOLATOR**

DYNAMIC CHARACTERISTICS AT H= 85 mm *				
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
LOAD (daN)	170	365	570	
VOLUME (dm³)	0.76	0.78	0.81	
STIFFNESS (daN/cm)	94.3	174.0	249.0	
NATURAL FREQUENCY (Hz)	3.71	3.43	3.30	
ISOLATION RATE at 10 Hz	84.1%	86.6%	87.8%	

- Isolation rate is given by the formula :

$$I = 1 - \frac{1}{\left(\frac{f_e}{f_n}\right)^2 - 1}$$



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

\* Recommended height for better isolation.