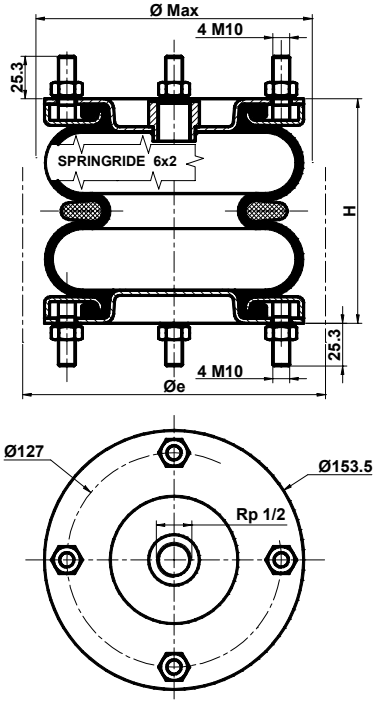
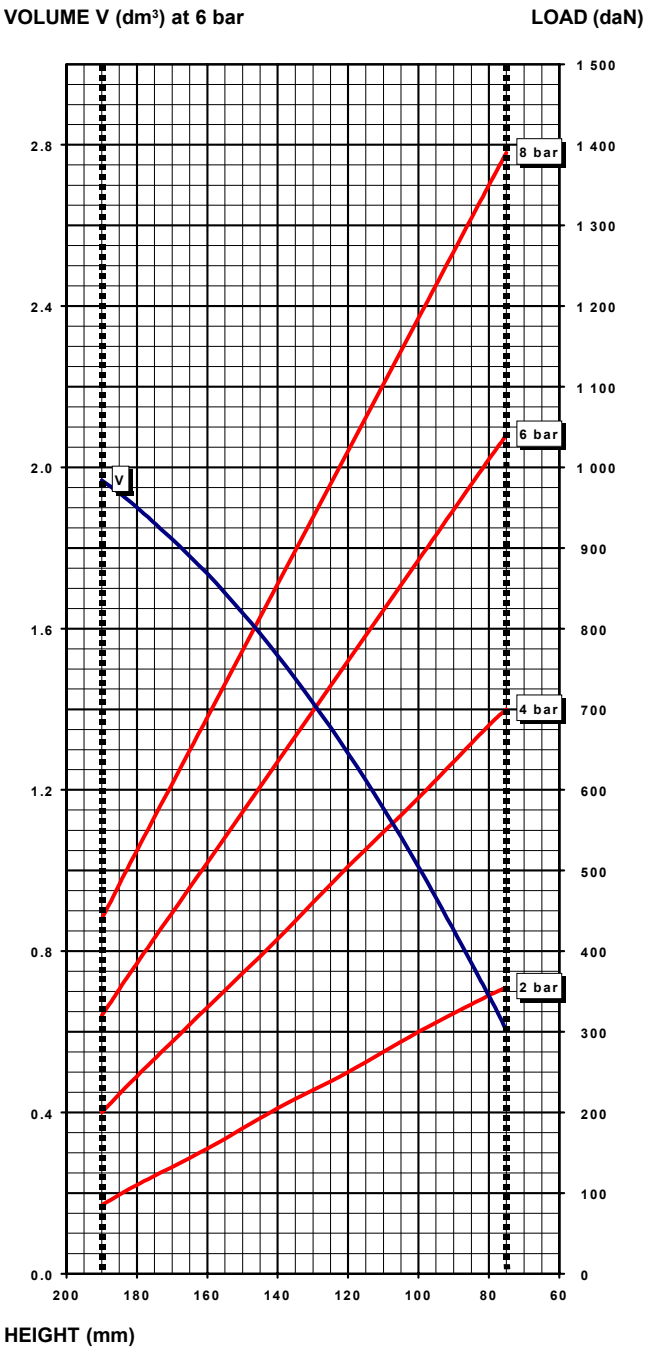
BELLOWS 6" x 2 STEEL



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

Heights (mm) (H)			Stroke (mm)
Maximum	Minimum	Design	
190	75	140	115
Diameters (mm)			Weight (kg)
Ø MAX	Overall		
175	190		2.6

Rubber Bellow	Features	Part Numbers
Standard	-Rubber Only	SP 543
-40 to 70°C	-Assembled Bellows	**SP1482**
Butyl	-Rubber Only	SP1348
-25 to 90°C	-Assembled Bellows	**SP2122**
Epichlore	-Rubber Only	SP2582
-20 to 115°C	-Assembled Bellows	**SP2731**



- Indicative value of force required to reach minimum height at atmospheric pressure : 23 24 daNdaN

- 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 2 STEEL

FOR USE AS A PNEUMATIC ACTUATOR

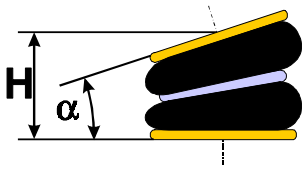
CHARACTERISTICS IN STATIC CONDITION				
HEIGHT (mm)	LOAD (daN)			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
75	355	700	1040	1390
90	320	635	950	1270
110	275	550	825	1105
140	205	415	635	855
160	155	330	510	690
180	110	245	385	525
190	85	200	320	440

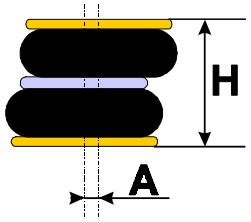
ANGULAR CAPABILITY

Maximum (α)	For H between	
	H mini (mm)	H maxi (mm)
10°	90	155
15°	95	150
20°	105	145
25°	110	135

OUT OF ALIGNMENT

Maximum (A) (mm)	For H between	
	H mini (mm)	H maxi (mm)
10	110	165
20	125	155





- 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).

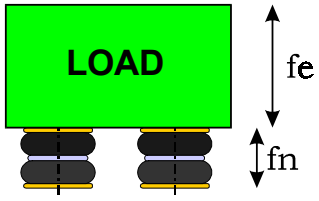
FOR USE AS AN ISOLATOR

DYNAMIC CHARACTERISTICS AT H= 150 mm *				
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
LOAD (daN)	180	375	575	
VOLUME (dm^3)	1.53	1.59	1.64	
STIFFNESS (daN/cm)	45.5	81.7	116.9	
NATURAL FREQUENCY (Hz)	2.51	2.33	2.25	
ISOLATION RATE at 10 Hz	93.3%	94.3%	94.7%	

* 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)