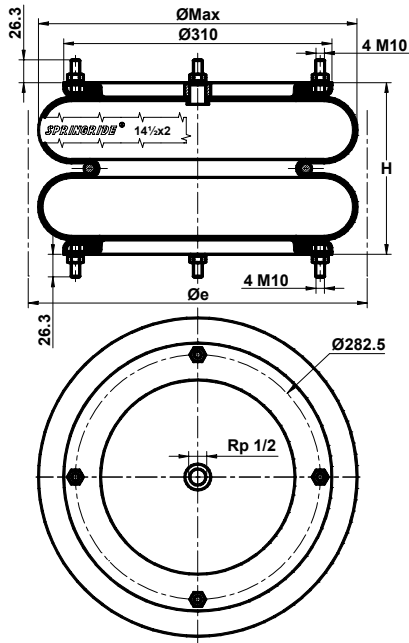


BELLOWS 14½" x 2



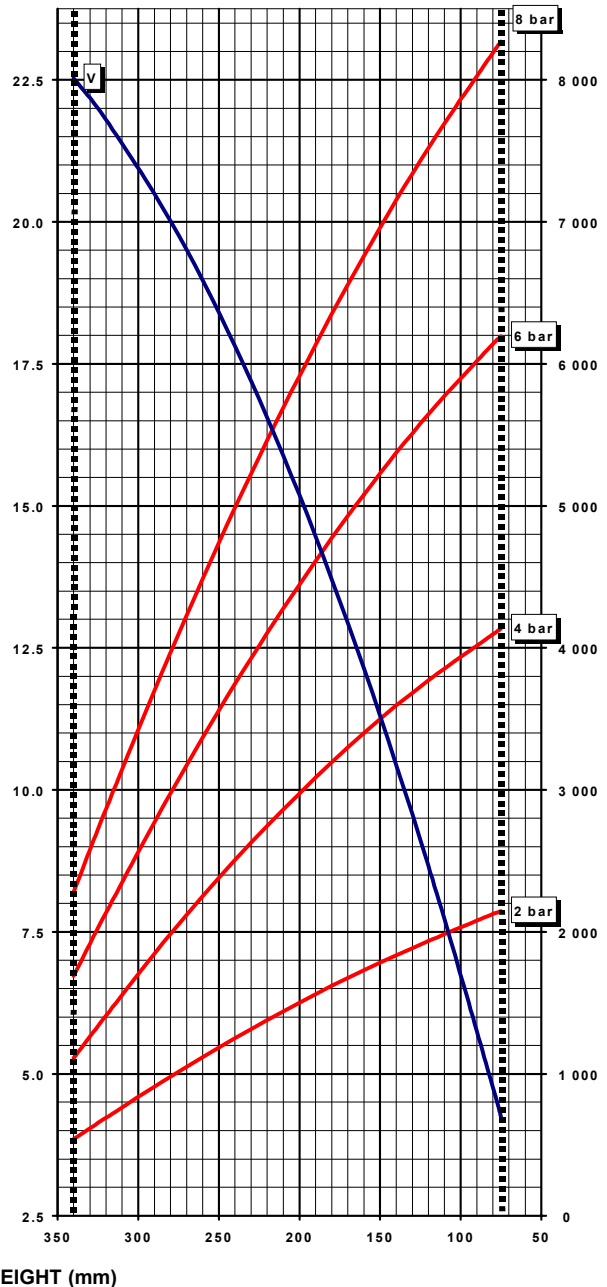
ASSEMBLED WITH 8 NUTS Hu10 AND 8 WASHERS GROWER WZ10.
FASTENING TORQUE 25 Nm

Heights (mm) (H)			Stroke (mm)
Maximum	Minimum	Design	
340	75	200	265
Diameters (mm)			Weight (kg)
Ø MAX	Overall		
400	425		8.9

Rubber Bellow	Features	Part Numbers
Standard	-Rubber Only	SP 257
-40 to 70°C	-Assembled Bellows	SP1556
Butyl	-Rubber Only	SP1161
-25 to 90°C	-Assembled Bellows	SP1723
Epichlore	-Rubber Only	SP2247
-20 to 115°C	-Assembled Bellows	SP2392

VOLUME V (dm³) at 6 bar

LOAD (daN)



- Indicative value of force required to reach minimum height at atmospheric pressure : 9 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 14 1/2" x 2

FOR USE AS A PNEUMATIC ACTUATOR

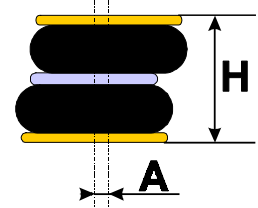
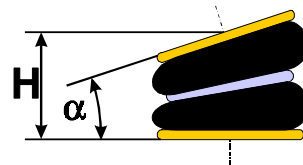
CHARACTERISTICS IN STATIC CONDITION				
HEIGHT (mm)	LOAD (daN)			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
75	2145	4135	6195	8270
100	2030	3940	5900	7865
150	1780	3495	5225	6955
200	1500	2975	4445	5915
250	1185	2380	3560	4740
300	840	1705	2565	3425
340	540	1110	1690	2280

ANGULAR CAPABILITY

Maximum (α)	For H between	
	H mini (mm)	H maxi (mm)
10°	105	300
15°	115	290
20°	135	275
25°	170	260

OUT OF ALIGNMENT

Maximum (A)	For H between	
	H mini (mm)	H maxi (mm)
10	120	330
20	140	320
30	165	315
40	185	305



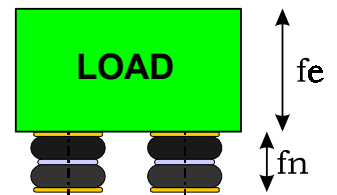
- Airsprings must not be pressurised unless they are restricted by an outside frame or by a suitable load.
- Strokes must be limited by the direct use of bump stops or external stops.
- When stacking airsprings, special cares must be taken to ensure the airsprings are guided and fixed.
- An Airspring 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= 250 mm *				
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
LOAD (daN)	1185	2380	3560	
VOLUME (dm³)	17.2	17.8	18.4	
STIFFNESS (daN/cm)	151	264	373	
NATURAL FREQUENCY (Hz)	1.78	1.66	1.61	
ISOLATION RATE at 10 Hz	96.7%	97.2%	97.3%	

- 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.