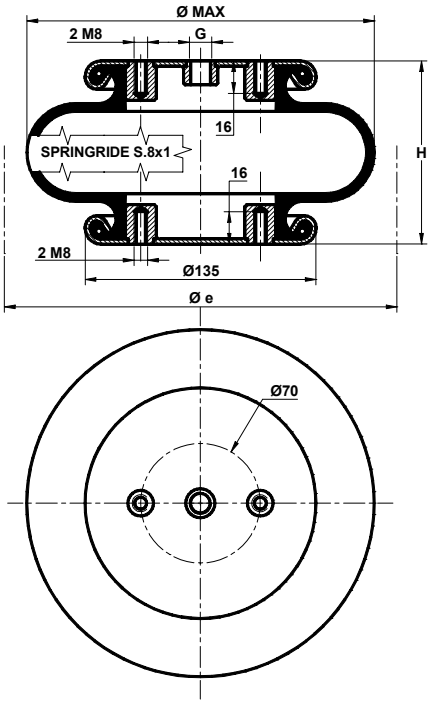
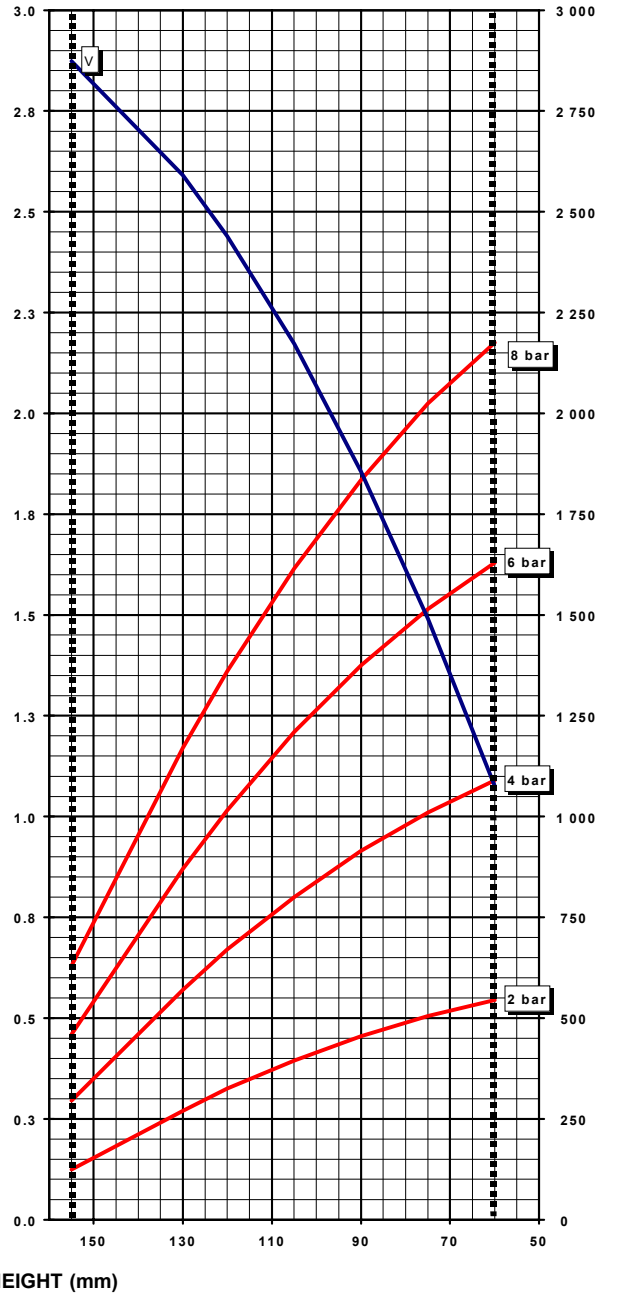
CRIMPED BELLOWS 8"x 1



FASTENING TORQUE 25 Nm

Heights (mm) (H)			Stroke (mm)
Maximum	Minimum	Static	
155	60	105	95
Diameters (mm)			Weight (kg)
Ø MAX	Overall		
225	240		1.8

Rubber Bellows	G	X (mm)	Part Numbers
Standard -40 to 70°C	Rp3/4		S08101
	Rp1/4		S08100
Butyl -25 to 90°C	Rp3/4		S08160
Epichlore -20 to 115°C	Rp3/4		S08170
Stainless Steel -40 to 70°C	Rp1/4		S08104



- Indicative value of force required to reach minimum height at atmospheric pressure : 6 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).

CRIMPED BELLOWS 8"x 1

FOR USE AS A PNEUMATIC ACTUATOR

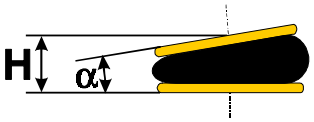
CHARACTERISTICS IN STATIC CONDITION				
HEIGHTS (mm)	LOAD (daN)			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
60	545	1090	1630	2175
75	505	1010	1515	2025
90	455	915	1375	1835
105	395	800	1210	1615
120	325	670	1015	1360
130	270	570	870	1170
155	125	295	460	630

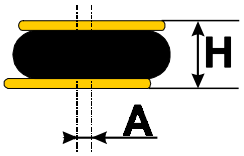
ANGULAR CAPABILITY

Maximum (α)	For H between	
	H mini (mm)	H maxi (mm)
5°	85	130
10°	100	125

OUT OF ALIGNMENT

Maximum (A) (mm)	For H between	
	H mini (mm)	H maxi (mm)
10	95	140
20	110	135





- 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).

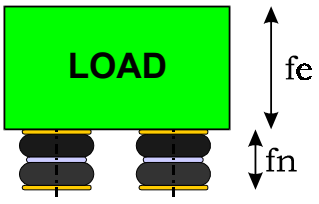
FOR USE AS AN ISOLATOR

DYNAMIC CHARACTERISTICS AT	H= 115 mm *			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	
LOAD (daN)	350	715	1080	
VOLUME (dm^3)	2.24	2.30	2.36	
STIFFNESS (daN/cm)	103.5	185.7	265.3	
NATURAL FREQUENCY (Hz)	2.72	2.54	2.47	
ISOLATION RATE AT 10 Hz	92.0%	93.1%	93.5%	

* 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 = Airsprings natural frequency (Hz)