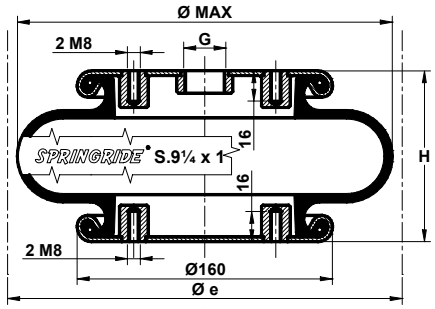
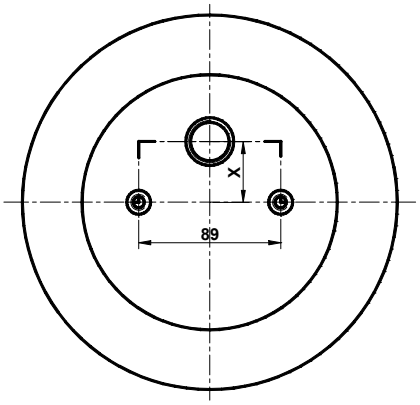
CRIMPED BELLOWS 9¼"x 1

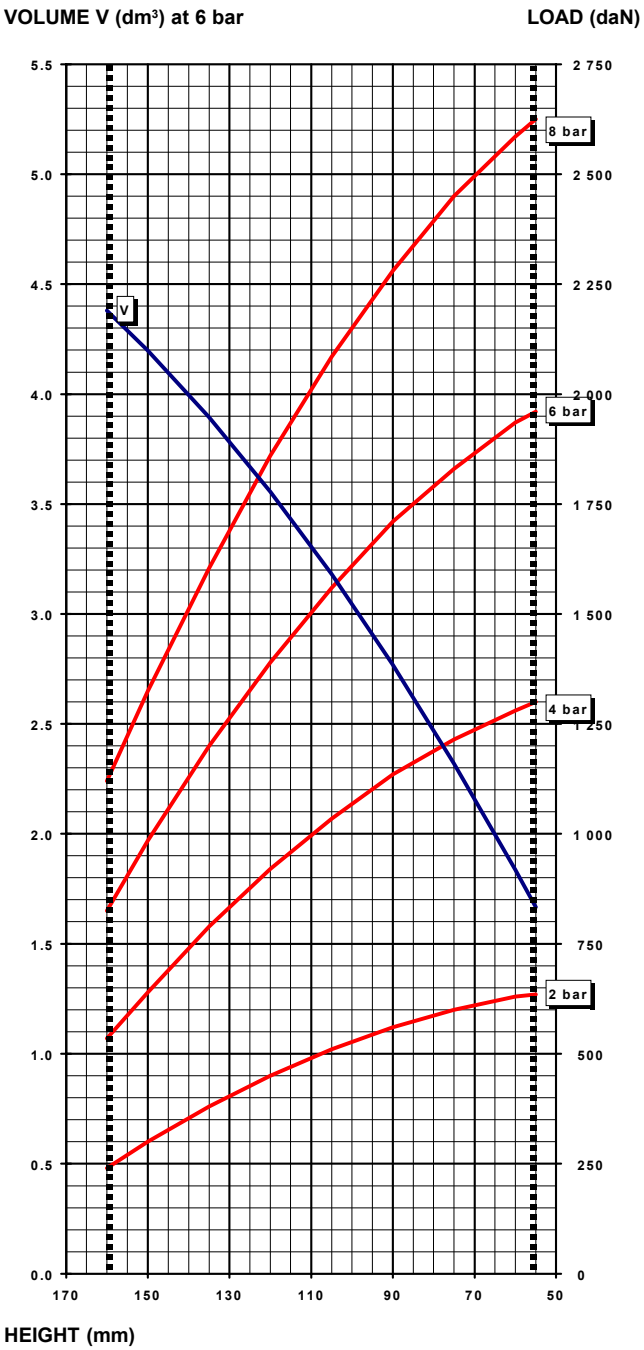




FASTENING TORQUE 25 Nm

Heights (mm) (H)			Stroke (mm)
Maximum	Minimum	Static	
160	55	105	105
Diameters (mm)			Weight (kg)
Ø MAX	Overall		
255	275		2.3

Rubber Bellows	G	X (mm)	Part Numbers
Standard -40 to 70°C	Rp3/4	38.1	S09101
	Rp1/4	44.5	S09100
Butyl -25 to 90°C	Rp3/4	38.1	S09160
Epichlore -20 to 115°C	Rp3/4	38.1	S09170
Stainless Steel -40 to 70°C	Rp1/4	44.5	S09104



- Indicative value of force required to reach minimum height at atmospheric pressure : 15 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 9¼"x 1

FOR USE AS A PNEUMATIC ACTUATOR

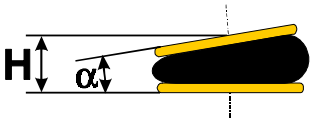
CHARACTERISTICS IN STATIC CONDITION				
HEIGHTS (mm)	LOAD (daN)			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
55	635	1300	1960	2625
75	600	1215	1830	2450
90	560	1135	1710	2280
105	510	1035	1560	2085
120	450	920	1390	1860
135	380	790	1200	1605
160	240	535	825	1120

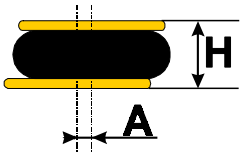
ANGULAR CAPABILITY

Maximum (α)	For H between H mini (mm)	H maxi (mm)
5°	75	140
10°	100	130

OUT OF ALIGNMENT

Maximum (A) (mm)	For H between H mini (mm)	H maxi (mm)
10	100	150
20	115	145





- 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).

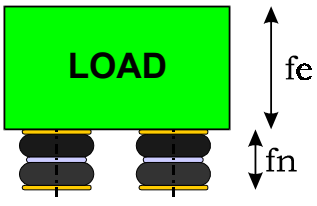
FOR USE AS AN ISOLATOR

DYNAMIC CHARACTERISTICS AT H= 115 mm *				
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	
LOAD (daN)	485	985	1480	
VOLUME (dm^3)	3.16	3.30	3.43	
STIFFNESS (daN/cm)	115.7	200.7	281.4	
NATURAL FREQUENCY (Hz)	2.44	2.25	2.17	
ISOLATION RATE AT 10 Hz	93.7%	94.7%	95.0%	

* 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)