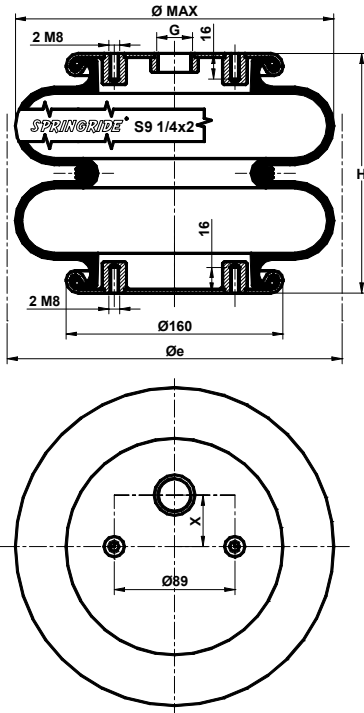


# CRIMPED BELLOWS 9¼" x 2 NB

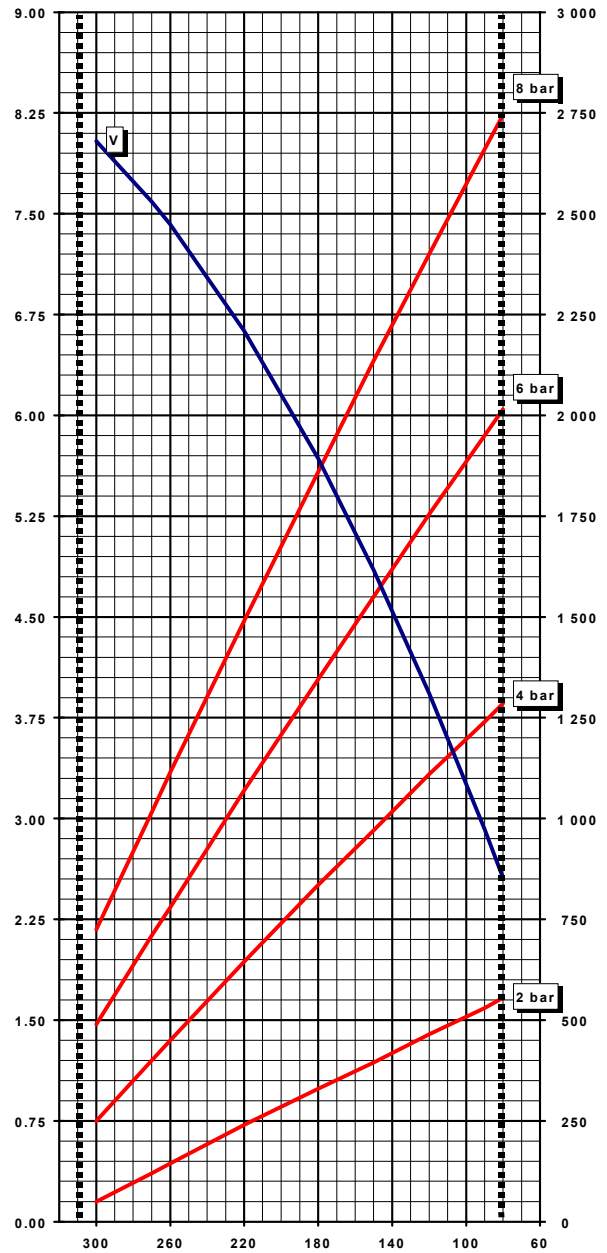


FASTENING TORQUE 25 Nm

Heights (mm) (H)			Stroke (mm)
Maximum	Minimum	Static	
300	80	175	220
Diameters (mm)			Weight (kg)
Ø MAX	Overall		
255	275		2.8

Rubber Bellows	G	X (mm)	Part Numbers
<u>Standard</u>	Rp3/4	38.1	S09202
-40 to 70°C	Rp1/4	44.5	S09200
<u>Butyl</u>	Rp3/4	38.1	S09260
-25 to 90°C			
<u>Epichlore</u>	Rp3/4	38.1	S09270
-20 to 115°C			
<u>Stainless Steel</u>	Rp1/4	44.5	S09210
-40 to 70°C			

VOLUME V (dm³) at 6 bar      LOAD (daN)



HEIGHT (mm)

- Indicative value of force required to reach minimum height at atmospheric pressure : 17 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 2 NB**

**FOR USE AS A PNEUMATIC ACTUATOR**

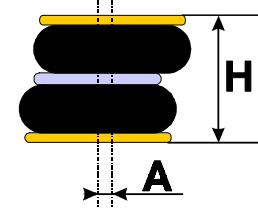
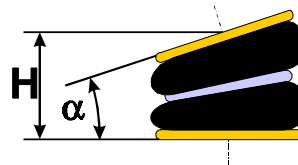
CHARACTERISTICS IN STATIC CONDITION				
HEIGHTS (mm)	LOAD (daN)			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
80	555	1285	2015	2745
120	465	1110	1755	2400
150	395	970	1550	2135
175	340	855	1380	1905
220	240	645	1070	1490
260	145	450	780	1115
300	50	250	490	725

**ANGULAR CAPABILITY**

Maximum (α)	For H between	
	H mini (mm)	H maxi (mm)
5°	145	270
10°	160	265
15°	190	255
20°	210	240

**OUT OF ALIGNMENT**

Maximum (A)	For H between	
	H mini (mm)	H maxi (mm)
10	150	270
20	165	265
30	180	260
40	190	250



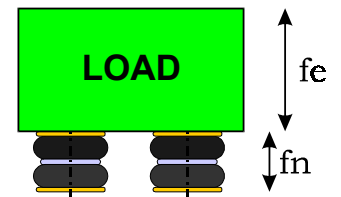
- Airsprings must not be pressurised unless they are restricted by an outside frame or by a suitable load.
- Strokes must be limited by the direct use of bump stops or external stops.
- When stacking airsprings, special cares must be taken to ensure the airsprings are guided and fixed.
- An Airspring 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= 215 mm *			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar
LOAD (daN)	250	670	1340
VOLUME (dm³)	6.08	6.30	6.52
STIFFNESS (daN/cm)	33.6	78.4	120.6
NATURAL FREQUENCY (Hz)	1.83	1.71	1.65
ISOLATION RATE AT 10 Hz	96.5%	97.0%	97.2%

- 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 = Airsprings natural frequency (Hz)

\* Recommended height for better isolation.