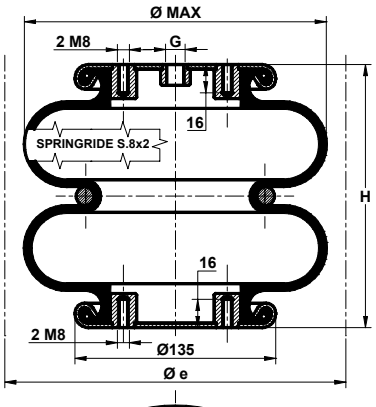
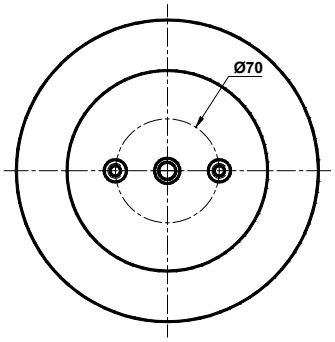
CRIMPED BELLOWS 8"x 2



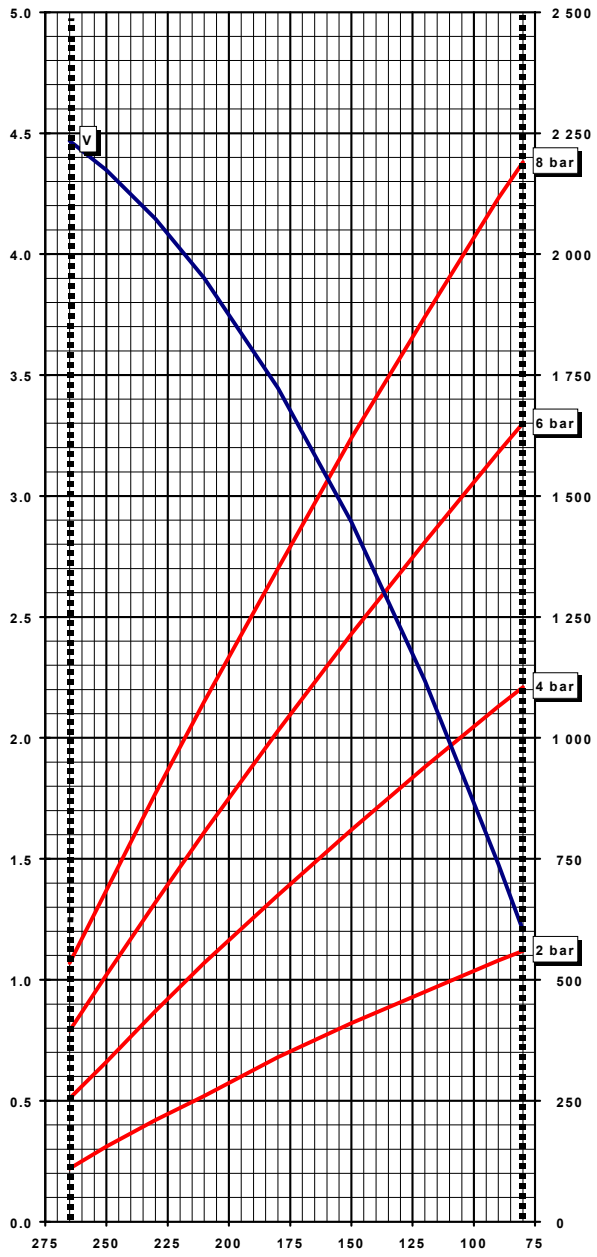


FASTENING TORQUE 25 Nm

Heights (mm) (H)			Stroke (mm)
Maximum	Minimum	Static	
265	80	175	185
Diameters (mm)			Weight (kg)
Ø MAX	Overall		
220	240		2.5

Rubber Bellows	G	X (mm)	Part Numbers
Standard -40 to 70°C	Rp3/4		S08201
	Rp1/4		S08200
Butyl -25 to 90°C	Rp3/4		S08260
Epichlore -20 to 115°C	Rp3/4		S08270
Stainless Steel -40 to 70°C	Rp1/4		S08205

VOLUME V (dm³) at 6 bar — LOAD (daN)



HEIGHT (mm)

- Indicative value of force required to reach minimum height at atmospheric pressure : 11 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 2

FOR USE AS A PNEUMATIC ACTUATOR

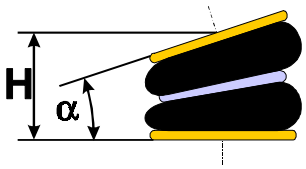
CHARACTERISTICS IN STATIC CONDITION				
HEIGHTS (mm)	LOAD (daN)			
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	Pressure 8 bar
80	560	1105	1650	2190
120	475	940	1405	1870
150	410	810	1215	1620
180	340	675	1015	1350
210	260	535	805	1075
240	180	385	585	785
265	110	255	395	535

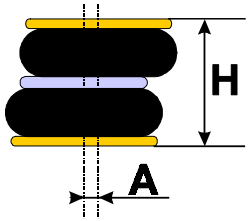
ANGULAR CAPABILITY

Maximum (α)	For H between H mini (mm)	H maxi (mm)
5°	130	250
10°	175	245
15°	180	240
20°	185	230

OUT OF ALIGNMENT

Maximum (A) (mm)	For H between H mini (mm)	H maxi (mm)
10	130	250
20	160	240
30	170	235
40	180	230





- 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).

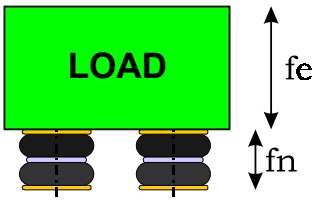
FOR USE AS AN ISOLATOR

DYNAMIC CHARACTERISTICS AT H= 200 mm *				
	Pressure 2 bar	Pressure 4 bar	Pressure 6 bar	
LOAD (daN)	290	580	875	
VOLUME (dm^3)	3.65	3.70	3.76	
STIFFNESS (daN/cm)	49.0	87.3	125.1	
NATURAL FREQUENCY (Hz)	2.06	1.93	1.89	
ISOLATION RATE AT 10 Hz	95.6%	96.1%	96.3%	

* 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)