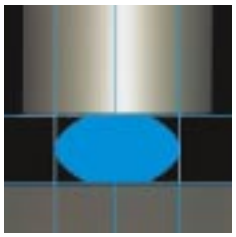
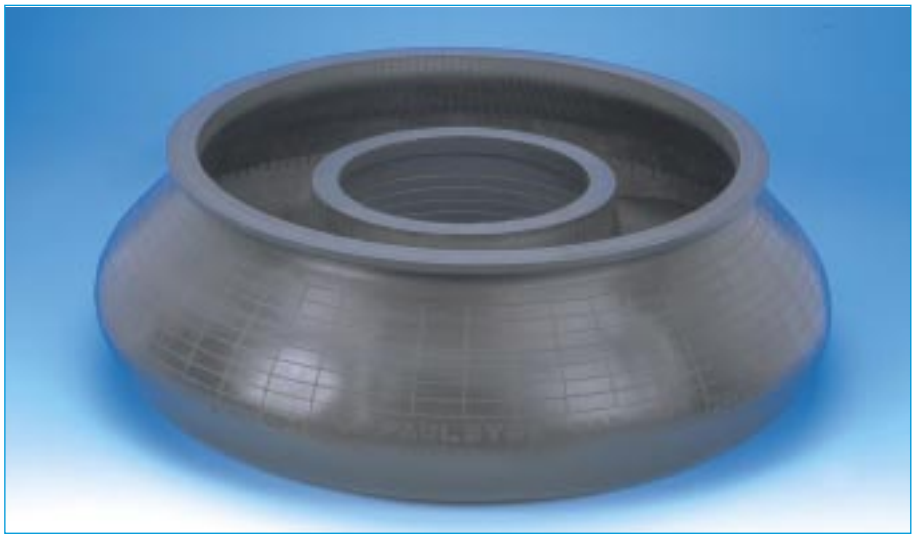


LONG TRAVEL
AIR SPRING



(1) Natural frequency : 1 Hz

DESCRIPTION

The PAULSTRA air spring is a rubber-coated flexible structure seated and sealed with internal and external steel supports.

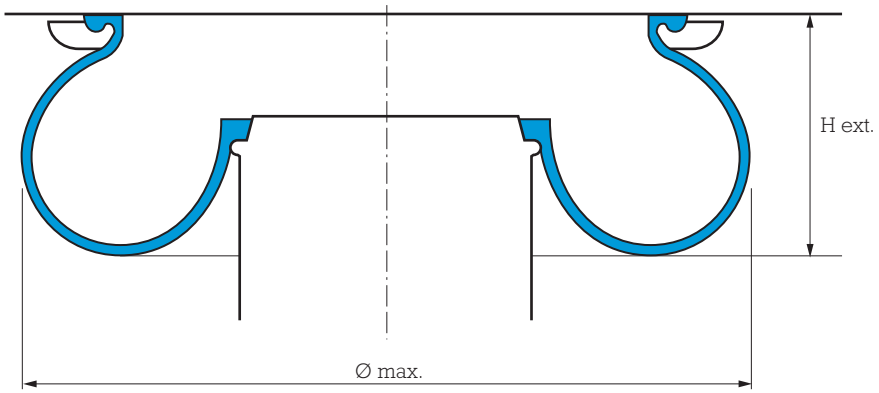
OPERATION

The air spring is designed to have the following basic properties :

- Low natural frequency.
- Lateral stiffness.
- Adjustable height.
- Withstands adverse weather conditions and temperatures from - 40°C to + 70°C.

(1) Natural frequency with max. load, see chapter : OPERATING CHARACTERISTICS.

OPERATING CHARACTERISTICS



Reference	H int. mm	H ext. mm	Ø max. at 6 bars (mm)	Maximum static load Kn	Natural frequency* Hz	Stiffness at 120 kN/m
545023	120	250	800	160	1	62

* Without additional chamber.

ASSEMBLY

The air spring must be mounted on an upper plate using a flange the same shape as the air spring to provide a good seal. The lower part of the membrane may rest on a rigid support with a restraining and sealing bead.

PAULSTRA also offers a flexible mounting for the air spring to enable the suspension to be used in non-standard applications or under torsion.

Ask us for details of the mounting dimensions.