

GAS SPRINGS



Use standard care and caution and follow these warnings:

- The thrust of a gas spring will be calculated at 20°C, a higher or lower temperature would influence the thrust for about 3,5% every 10°C.
The normal function proceeds within a temperature between -30°C and +80°C.
Very hot environments with temperatures over 80°C and aggressive atmospheres cause gas spring malfunctions and may shorten its operating life.
- The assembling must be carried out as follows: in closed position the connection of the shaft has to be turned downside, this will facilitate the lubrication of the guide and of the seals and will permit a higher braking effect.
- Ensure that the spring fittings are aligned to avoid buckling.
If mounting hole is a through hole, use non threaded pins instead of screws.
Avoid using blunt tools or abrasive materials that might damage the shaft surface. Avoid contact with corrosive agents or chemicals.
- Machine vibration may affect the seals and shorten gas spring life.
- Do not expose the gas spring to pulling forces exceeding the extension speed of the shaft.
- Doors opened through gas springs should be equipped with an additional rod (such as in a car hood) which keeps the door open in case of gas spring failure.

HOW TO CHOOSE BEST SUITABLE GAS SPRING:

S = Gas spring thrust pressure in kg

N = Number of the gas springs

$$S = \frac{X \times Y}{2N \times Z} + 5 \text{ KG}$$

