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GAS SPRINGS SECURITY PROTOCOL

Gas springs are devices containing nitrogen and oil under pressure. This pressure can reach 160 bars outgoing stroke, and 250 bars incoming stroke.



Comply with the following precautions:

- Do not submit to shocks, vibrations, electric or magnetic fields.
- Do not expose to temperatures exceeding 80°C.
- The stroke must remain clean from any impurity, projection, paint, adhesive, solvent, or corrosive substances.
- Do not force on a blocked gas spring. (cf. Neutralizations paragraph)
- Do not deteriorate the gas springs body (cuts, shots, abrasions). It could weaken the resistance of the body or of an intern component.
- Do not remove the gas spring from its application as long as the stroke is in the body without neutralizing it first. (Except when the stroke is completely out).
- Make sure that the gas spring is not subject of lateral forces.
- Leave a 0.5 to 1mm margin between the eye and the application fixing axis, to allow the rotation of the eye on the axis while operating.
- Install the gas springs rod downward when at most common position (mini angle 15°/horizontal).

Gas springs neutralization

To neutralize a gas spring, the pressure contained in its body must be evacuated. This operation is necessary before discarding or extracting while the stroke is inside the body. To carry this out, proceed as follows: (Equip yourself with safety glasses.)

- If the gas spring is still on position: Block the application.
- If the gas spring has been removed from the application: Slightly block the gas spring in a vice.
- Use a hand-held hacksaw to slowly saw the gas springs body in an area between 20mm and 30mm from the end of the body (at the opposite side of the stroke).
- Recover the blade with a cloth to avoid iron filings and oil projections.
- As soon as you can hear the gas coming out (whistle) stop the operation and wait until the end of the gas evacuation.
- The outgassing will be ended when the stroke can be moved by hands. If not, saw another cut at the start of the body this time (40mm from the stroke).
- Discard the gas spring in an adapted container (mainly metallic component).
The nitrogen used in our gas spring is inert and safe for the environment.

