

Flying Spares

HINTS & TIPS ON THE CORRECT INSTALLATION OF GAS SPRINGS

■ Application

In their technical design, gas springs can be customized for special applications – on the basis of specifications and drawings. Match your application and requirements with us. Our consultants and application engineers will be glad to help you.

■ Mounting Orientation

If possible, install gas springs so that the piston rod points down in the inactive state – unless they were designed for non-orientation specific installation. This will ensure optimum lubrication of the guide and sealing system at all times.

■ No Jamming

For a long service life, gas springs must not jam or be subjected to bending or lateral forces. We offer suitable end fittings, such as angle joints. They will ensure non-jamming alignment.

■ Functional Safety

The functional safety of a gas spring comes mainly from the smooth piston rod surface and the seals that

keep the gas pressure on the inside.

Do not subject gas springs to bending stresses. You should not install gas springs that have been damaged in after-sales mechanical processing. Welding on the gas spring, as well as contamination or paint on the piston rod can cause device failure. Avoid modifications and manipulations, impacts, tensile stress, heating, painting and removal of the print. Be on the safe side: Do not install defective or improperly altered products.

■ Temperature Range

Stabilus gas springs are designed for a default temperature range of -30°C to +80°C. Of course, there are also gas springs for more extreme applications.

■ Life and Maintenance

Gas springs are maintenance-free! They do not require greasing or lubrication. They are designed for their corresponding applications and should work flawlessly for many years.

■ Transportation and Storage

Store gas springs with the piston rod pointing down. Actuate the gas spring after 6 months of storage. Avoid damage: Do not transport gas springs as bulk material. Make sure not to contaminate gas springs with thin packaging film or adhesive tape.

■ Disposal

When gas springs are no longer needed, they should be disposed of in an environmentally correct manner. For this purpose they should be controlled degased, the compressed nitrogen gas bled, and the oil drained.