

STABILUS

FAQs - Frequently Asked Questions

Frequently Asked Questions about Gas Springs

The following are frequently asked questions about gas springs. If you cannot find your answer, please contact us directly.

What is the pressure in the gas springs?

It depends on the gas spring model and the extension force; it can be 150 bar or more.

Can the gas spring speed be adjusted?

Yes, the extension speed can be adjusted.

Can the gas spring also be protected from gross contamination?

Yes, by using plastic protective caps in the crimping area, or conduits and bellows.

How much does a gas spring weigh?

Depending on its length and diameter, a commercial gas spring weighs between 100 g and 400 g.

How are gas springs identified?

As a rule, gas springs are identified with safety instructions, material numbers (Stabilus number or customer number upon request), as well as the manufacturing date.

Which colors are available?

Gas springs are normally painted a neutral black. Special colors are available upon request, e.g., white or silver.

Is temperature compensation available?

Yes, struts or TCV (Temperature Compensation Valve) gas springs can compensate for the dependency on temperature due to their technical concept, sometimes significantly.

What length tolerances are typical?

This depends on the gas spring model, but typically it is +/- 2 mm.

What kind of noises do gas springs make?

Due to their gas or oil filling and the "speed control" function, gas springs can emit design-dependent flow sounds.

What is the delivery time for brochure or catalog models?

Brochure models can usually be delivered within one week from receipt of order; the catalog only includes a small portion of all potential product variants.

Do the gas springs come only in the given length or force specifications, or are there “intermediate sizes”?

Gas springs can be varied with regard to many of their dimensions and extension forces.

What forces are available?

Depending on the model, normally between 50N and more than 2,000N.

What kind of end fittings are available?

Depending on the application, a variety of end fittings are available, such as plastic or metal fittings for ball studs or ball joint fittings.

Do gas springs require any kind of maintenance?

No, gas springs are maintenance-free.