

Gas Springs and Dampers

for Automotive Seat Applications

LIFT-O-MAT®

BLOC-O-LIFT®

STAB-O-SHOC®



Major products and their characteristics

Without gas springs, today's ergonomically oriented world would be unthinkable. They provide safety in function and make things easy to use. Any pleasant features for the end user increase the appreciation and positive perception of the product. Gas springs assist when lifting, lowering, opening, and closing something. They can dampen, too. Gas springs make technology comfortable.

LIFT-O-MAT

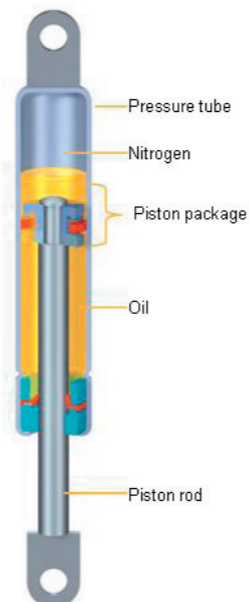
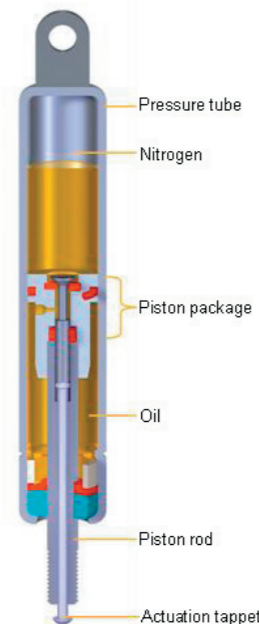
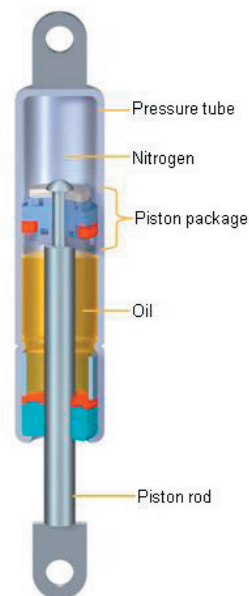
The LIFT-O-MAT is a non-locking gas spring. They are used whenever seats and benches are brought into a defined position. LIFT-O-MAT controls the speed of seat-operations and provides smooth damped action of seat-functions thus ensuring user-friendly motion sequences.

BLOC-O-LIFT

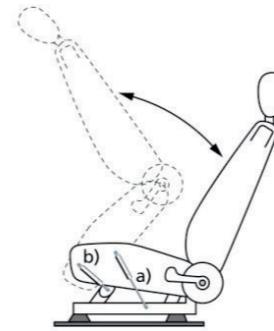
The BLOC-O-LIFT is a so-called "locking gas spring". They are used for adjustments (e. g. seat-height adjustment) with force support, damping, as well as infinitely variable locking. This is achieved by a special piston-valve system. When the valve is open, the BLOC-O-LIFT provides force support and damping. When the valve is closed, the gas spring locks and provides high resistance to any motion. The BLOC-O-LIFT can have spring or rigid lockings. The rigid locking version is available as orientation specific or non-orientation specific versions. Depending on the application, BLOC-O-LIFT can be equipped with a patented, corrosion-free actuation tappet.

STAB-O-SHOC

The standard STAB-O-SHOC is a no-pressure hydraulic damper that is used for damping the movement of seats, backrests and seat-cushions. STAB-O-SHOC achieves its optimum function when installed almost vertically. It has force transmission without a return stroke in only one direction. Special horizontal variations are possible such as models providing force support during extension or length-controlled damping.

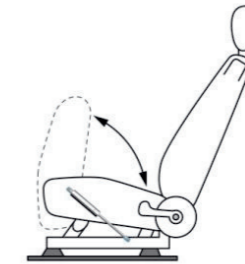


Product diversity for all your applications



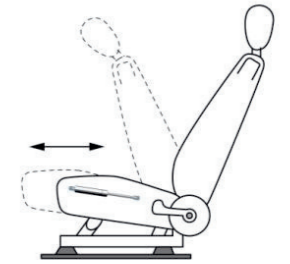
LIFT-O-MAT

a) Lifts seat to easy-entry position



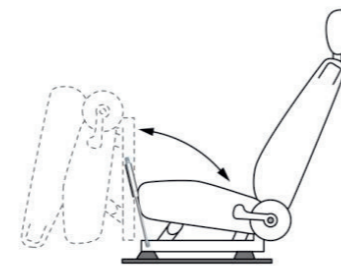
LIFT-O-MAT

Lifts seat cushion automatically after its release



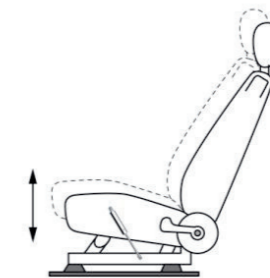
STAB-O-SHOC

Dampens backward movement of seat cushion



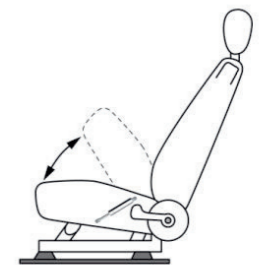
LIFT-O-MAT

Lifts folding seats and benches



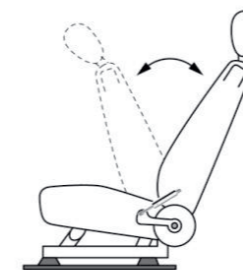
BLOC-O-LIFT

Adjusts seat height (stepless positioning)



STAB-O-SHOC

Dampens seat cushion moving downwards



STAB-O-SHOC

Dampens backrest moving downwards

Top 5 Advantages:

- Controlled speed of seat-operation
- Smooth damped action of seat function
- Easy to package
- Combines extension force and speed control in one unit
- Comfortable and user friendly



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- Stabilus S.A.

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