**BLOC-O-LIFT Gas Spring**

- **Rigid, locking, can be mounted in any orientation**

  - Under the pressure of the gas inside BLOC-O-LIFT, the entire locking range of the piston is filled with oil. Depending on the orientation of the so-called separating pistons, which separate the gas chambers from the fluid, different locking forces can be achieved in the extension or compression directions. The maximum allowable locking force depends on the extension force and the overall device strength.

  **Specific advantages:**
  - Very high locking force
  - Can be installed in any orientation

  ![BLOC-O-LIFT Gas Spring](image)

**BLOC-O-LIFT**

- **Rigid, locking, vertical installation**

  - In the version of rigid locking gas springs, the entire extension range of the piston is filled with oil. Depending on the orientation of the so-called separating pistons, which separate the gas chambers from the fluid, different locking forces can be achieved in the extension or compression directions. The maximum allowable locking force depends on the extension force and the overall device strength.

  **Specific advantages:**
  - Very high locking force
  - Can be installed in any orientation

  ![BLOC-O-LIFT](image)

**BLOC-O-LIFT**

- **Rigid, locking, without override function**

  - A special form of the BLOC-O-LIFT gas spring is the so-called override function. BLOC-O-LIFT can be equipped with a special valve system that stops the spring at an override position. This is made possible by a special valve system that stops the spring at an override position. In this version, BLOC-O-LIFT can be locked in any direction.

  - Typically, the BLOC-O-LIFT gas spring is used in vertical installations.

  ![BLOC-O-LIFT](image)

**BLOC-O-LIFT OBT**

- **Without locking in extension direction**

  - BLOC-O-LIFT OBT ensures constant-upward movement of applications such as in table tops, table supports, and low damping forces. The OBT function of gas springs is usually used in table tops, without the need to actuate a separate valve system in the piston package.

  - In the compression direction, BLOC-O-LIFT OBT can be locked in any direction.

  ![BLOC-O-LIFT OBT](image)

**BLOC-O-LIFT Gas Spring**

- **General**

  - BLOC-O-LIFT gas springs are utilized in a variety of fields such as building, medical technology, automotive design, and many others. They are known for their high quality, durability, and performance. BLOC-O-LIFT gas springs provide high resistance to any motion and can be operated by hand or foot, via lever or control unit. The gas spring’s locking behavior in the pull or push direction must be ensured.

  - Usually, the simple STAB-O-SHOC HD15 is used as a brake damper in automotive design.

  - STABILUS is known for technical innovation, quality, and competitive pricing. Of course, individual, extensive consultation is for granted with STABILUS.

  - The company has nearly unlimited. In many areas, STABILUS products make everyday life easier and deeply more comfortable.

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LIFT-O-MAT Gas Spring

**General**

- **Advantages and Properties:**
  - Optimized weight compensation during lifting, lowering, opening, and closing.
  - Broad selection of sizes and force envelopes in the standard product.
  - Flat spring characteristic curve.
  - Linear, progressive, or decreasing spring characteristic curve.
  - Laminar structure, oil groove.
  - Additional advantages of the dynamic LIFT-O-MAT:
    - Function independent of installation position.
    - Defined speed control.
    - Additional functions such as electric switches, STOP function, locking in the compression direction.

**Areas of application**
- Standard LIFT-O-MAT: doors and flaps in machine and system design, automated machinery, machine tool technology, the furniture industry, as well as other industries.

**Standard LIFT-O-MAT**
- With hydraulic compression and extension damping

**LIFT-O-MAT**
- With decreasing or progressing spring function

**KOMBI-LIFT**
- Combination of the increasing and the decreasing hydraulic gas springs

**HYDRO-LIFT**
- Gas spring featuring a special gas piston with a compression element that is compressed by applying a force.

**LIFT-O-MAT FR**
- For variable positionable holding

**LIFT-O-MAT INOX LINE**
- Stainless steel

**INTER-STOP**
- With holding range

**LIFT-O-MAT PFL**
- With stop in the compressed position

**LIFT-O-MAT**
- With end position stop in the extended position

**KOMBI-LIFT**
- Combination of the increasing and the decreasing hydraulic gas springs

**HYDRO-LIFT**
- Gas spring featuring a special gas piston with a compression element that is compressed by applying a force.

**LIFT-O-MAT FR**
- For variable positionable holding

**LIFT-O-MAT INOX LINE**
- Stainless steel

**INTER-STOP**
- With holding range

**LIFT-O-MAT PFL**
- With stop in the compressed position

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**LIFT-O-MAT INOX LINE**
- Stainless steel