**LIFT-O-MAT**

**LIFT-O-MAT Gas Spring**

- **For general applications**
- **Areas of application** for LIFT-O-MAT controls the extension force of components, such as doors, flaps, and lids, with lifting, lowering, opening, and closing.
- **Advantages and properties:**
  - High corrosion protection due to the use of V4A steel
  - Ergonomic, variable positioning of the application
  - Special advantages:
    - Special forces in the end position range
    - Functional independence of installation orientation
    - Reduced force control
    - Great influence on the damping characteristics

**LIFT-O-MAT with hydraulic compression and extension damping**

- The LIFT-O-MAT with dynamic damping has an additional valve to control the damping. During extension, the pressure builds up by reducing or increasing the volume of compressed nitrogen. A valve can be used over the entire stroke. Thus, the motion can be slowed down continuously until it comes to a stop by adjusting the damping force. Different compression and extension characteristics can be realized as damped approaching of intermediate positions.
- The LIFT-O-MAT with dynamic damping works regardless of its orientation, thereby approaching any position in the extended position without reversing force.
- A typical area of application for the LIFT-O-MAT version includes the damping of lifting, lowering, opening, and closing functions in furniture, industry, as well as other industrial applications, where the piston rod should slide from top to bottom.
- Additional advantages of the dynamic LIFT-O-MAT:
  - Simple structure
  - Equal damping performance ratio
  - Standard product line
  - Damping in compression and extension direction possible

**LIFT-O-MAT with increasing coronary lesion**

- A gas spring with an increased coronary lesion is used to avoid any spring engagement in the installation mode. Based on the selected application, different compression and extension characteristics can be achieved. For example, the damping can be adapted to the respective application.
- The HYDRO-LIFT features a valve in its piston, which, in addition to compression and extension damping, can also be used for special applications with a defined position range or in one or more partial ranges of the application.
- Unlike the specified version, the hybrid HYDRO-LIFT features an increase damping by locking the installation mechanism, thereby stabilizing the piston.
- Special advantages:
  - The action of the piston valve
  - The use of a valve to control the application
  - The ability to control the application

**LIFT-O-MAT with decreasing coronary lesion**

- A gas spring that uses additional coil springs is used to avoid any spring engagement in the installation mode. Based on the selected application, different compression and extension characteristics can be achieved. For example, the damping can be adapted to the respective application.
- The HYDRO-LIFT features a valve in its piston, which, in addition to compression and extension damping, can also be used for special applications with a defined position range or in one or more partial ranges of the application.
- Unlike the specified version, the hybrid HYDRO-LIFT features an increase damping by locking the installation mechanism, thereby stabilizing the piston.
- Special advantages:
  - The action of the piston valve
  - The use of a valve to control the application
  - The ability to control the application

**LIFT-O-MAT control**

- We will gladly help you with your ideas and solutions.

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**STABILUS**

**INTER-STOP**

- With the STABILUS INTER-STOP, you can have a defined, intermediate position for the stop position of application, which can be adjusted in any position from the extended position.

**LIFT-O-MAT PTL with stop in the extended position**

- The LIFT-O-MAT PTL is a gas spring with an additional mechanical lock in the stop position.

**LIFT-O-MAT PTL with stop in the compressed position**

- The LIFT-O-MAT PTL is a gas spring with an additional mechanical lock in the stop position.

**KOMBI-LIFT**

- The LIFT-O-MAT INOX LINE is a gas spring that is particularly corrosion resistant for use in beach and marine use. (see DIN EN 10088 3)

**LIFT-O-MAT MATRIX**

- The LIFT-O-MAT MATRIX is a gas spring that is particularly suitable for use in the furniture industry. Its smooth function makes it ideal for use in hotel and restaurant industry, as well as other industrial applications.

**LIFT-O-MAT with increasing coronary lesion**

- A gas spring that uses additional coil springs is used to avoid any spring engagement in the installation mode. Based on the selected application, different compression and extension characteristics can be achieved. For example, the damping can be adapted to the respective application.

**LIFT-O-MAT with decreasing coronary lesion**

- A gas spring that uses additional coil springs is used to avoid any spring engagement in the installation mode. Based on the selected application, different compression and extension characteristics can be achieved. For example, the damping can be adapted to the respective application.