

COOKING

Not All Hinges Are Created Equal

The kitchen is a place where many very demanding work areas come together, and they all require the greatest possible efficiency with superior comfort in mind.

To-date, kitchen furniture features numerous special hinges and fittings – to make cabinet doors swing up or a microwave oven disappear behind a panel, just to name a few. If these hinges and fittings use gas springs, the opening – and especially the closing speed – can be precisely defined. Loud noises or slamming doors are a thing of the past. Of course, the use of gas springs can be highly individualized, similar to the tailgate or trunk lid in the automobile.

Dampers from STABILUS can slow down heavy drawers or pullout shelves just in time before they close. Yet, they reach their end position safely and reliably. Who says that high-end functionality can't be comfortable?

Swing-up Cabinet Doors with Gas Springs (top mount)



- Plenty of comfort
- Easy opening
- Stay safely open
- Damped closing
- Easy mounting
- Inexpensive

Swing-up Cabinet Doors with Hinge/Gas Spring combination (top mount)



- Different movement paths
- Controllable speeds
- Different kinematics
- Individually adjustable
- Targeted damping



Damping of Heavy Drawers and Pullout Shelves



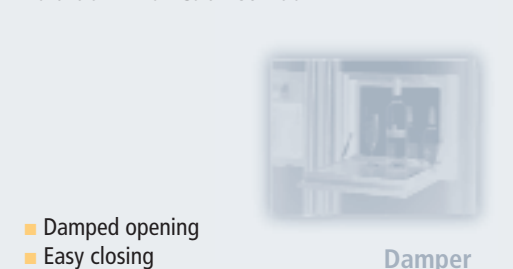
- Defined damping
- Speed-controlled damping
- Small installation space
- Soft closing

LIVING

A Lingering Effect

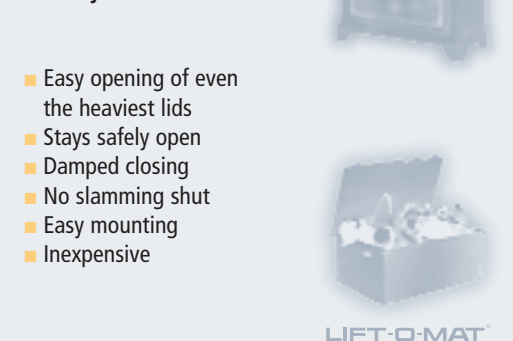
Design and function – where else are these criteria as close as in the furniture we live in? And, here is where gas springs and dampers can show what they are all about: dampened opening and closing of shelves and flaps, easy opening and safe holding of lids. Or in the height adjustment of tables – with one flick of the wrist. In all these cases, these small construction elements – the gas spring and the damper – have a large, lingering effect.

Fold-down Bar Cabinet Door

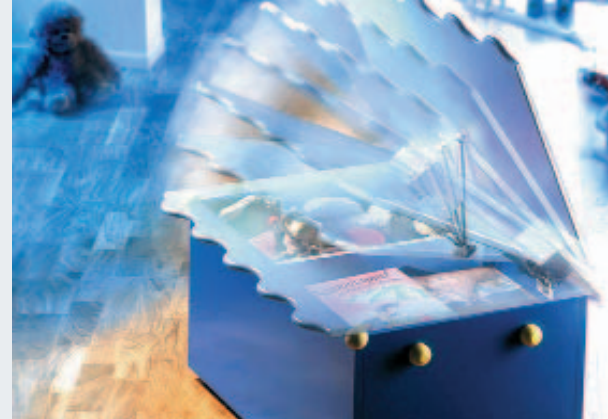


- Damped opening
- Easy closing
- Smooth running
- Easy mounting
- Automatic locking function, if needed

Lids of Blanket Chests and Toy Chests



- Easy opening of even the heaviest lids
- Stays safely open
- Damped closing
- No slamming shut
- Easy mounting
- Inexpensive



Removable Bench Cushions, etc.



- Easy opening, even of heavy weights
- Stays safely open
- Damped closing
- No slamming shut
- Easy mounting
- Inexpensive

Height-adjustable Tables



- Variable adjustment
- Defined force support
- Damping as needed
- No bouncing
- Actuation elements can be positioned anywhere
- Easy mounting

RELAXATION

More True Value

In our fast-paced world, the time for relaxation becomes increasingly valuable. Therefore, it is very important that all adjustment options are easy and safe to operate – not to mention ergonomic! And when the STABILUS gas springs offer additional comfort and their damping provides a smooth, more elegant motion – that's when their true, practical value shines.

Fold-up Beds



- Easy opening of heavy components
- Stays safely open
- Damped closing
- No slamming shut
- Inexpensive

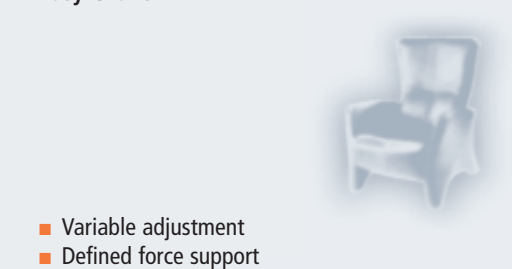
Seat Height Adjustment



- Variable height adjustment
- High spring comfort
- Various additional functions, such as non-twisting telescope column
- ...



Easy Chairs



- Variable adjustment
- Defined force support
- Damping as needed
- Actuation elements can be positioned anywhere

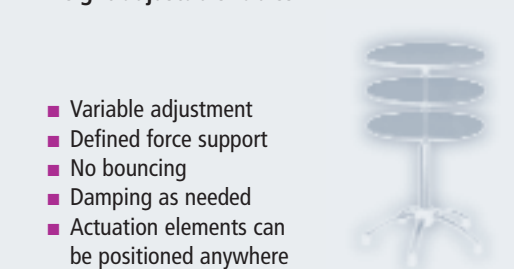
WORKING

Flexibility and Ergonomics

These days, workplaces have to be so much more efficient than even a few years ago. Take the short meeting at the stand-up table, which can be returned to regular seating height for a one-on-one meeting shortly afterwards. Desks need to be height-adjustable to make it possible to work in alternating positions. Student desks have to grow with the student, and adjustable desk surfaces ensure healthy seating.

Gas springs from STABILUS fulfill or support these market requirements, either directly or indirectly.

Height-adjustable Tables



- Variable adjustment
- Defined force support
- No bouncing
- Damping as needed
- Actuation elements can be positioned anywhere
- Easy mounting

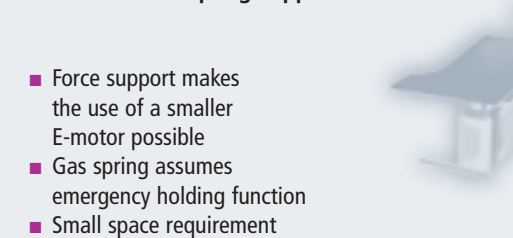
Height Adjustment of Work Surfaces



- Variable adjustment
- Defined force support
- Damping as needed
- Actuation elements can be positioned anywhere
- Easy mounting

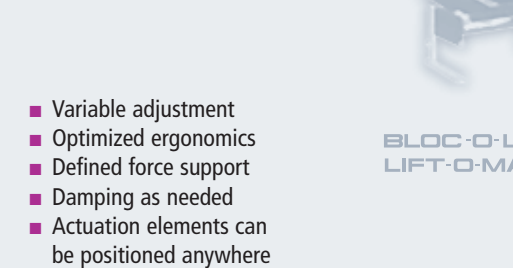


Height-adjustable Desks with Motor and Gas Spring Support



- Force support makes the use of a smaller E-motor possible
- Gas spring assumes emergency holding function
- Small space requirement
- Inexpensive

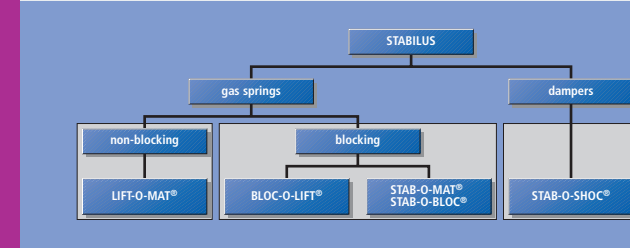
Incline Adjustment in Student Desks



- Variable adjustment
- Optimized ergonomics
- Defined force support
- Damping as needed
- Actuation elements can be positioned anywhere

PRODUCTS

Perfect technical solutions for demanding applications. Whether standard functions or special functional demands need to be fulfilled – STABILUS carries the right gas spring in its product line.



LIFT-O-MAT

The gas spring for lifting, lowering, moving, and positioning. Provides optimum weight equalization, lifts loads, dampens fast movements, and ensures user-friendly motion sequences.

BLOC-O-LIFT

The gas spring for variable positioning, rigid or spring locking.

STAB-O-MAT / STAB-O-BLOC

The gas springs for variable seat height adjustment. Simple, durable, and safe control due to actuation lever.

Dampers / STAB-O-SHOC

Hydraulic motion damping. Reliable slowing of fast movements.

Diversified Fittings and Actuation Systems

Every chair adjustment mechanism poses its own special demands on the assembly and actuation of the gas spring. STABILUS offers a great variety of different fittings and special actuation systems.

ABOUT US

Pioneer Performance

In 1962, STABILUS presented the first gas spring manufactured in series production and the first locking gas spring in 1965. To date, more than 1.5 billion gas springs have been produced.

Thus, STABILUS has the longest experience worldwide in the construction of gas springs. With an annual production of more than 100 million units, STABILUS is today the world market leader for multiple industrial applications.

Highest Quality

As the leading gas spring supplier worldwide, our quality management system fulfills the high quality requirements of international standards, such as DIN EN ISO 9001, and the new world standard ISO/TS 16949 with the regulatory requirements of QS 9000, VDA 6.1, EAQF, and AVSQ.

Reliable

Our customers appreciate STABILUS for our reliability and our well-known meeting of delivery dates. Maybe that is the reason why more than 2,000 customers worldwide place their trust in STABILUS products.

STABILUS Near You

Worldwide, STABILUS has more than ten production plants on five continents and a comprehensive sales network. For more information, contact us directly or on the Internet at www.stabilus.com.

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