

Product Overview

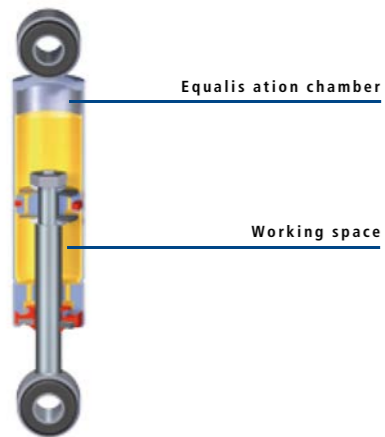
STAB-O-SHOC HD24/29 and GD24/29



STAB-O-SHOC HD24/29

The STABILUS STAB-O-SHOC HD24/HD29 is a standard single-tube damper for various applications. Due to a special piston system with valve plates and a base piston with different reduction cross sections, this model is the ideal vibration damper. Because of the "open" equalisation chamber, the damping force is delayed (slip or return stroke).

- Damping forces to 9000 N
- Damping forces in tension and compression directions can be set independent of each other by the factory
- Non-pressurised, no push-out force
- Return stroke, delayed damping
- Position-dependent mounting, with piston rod down or up



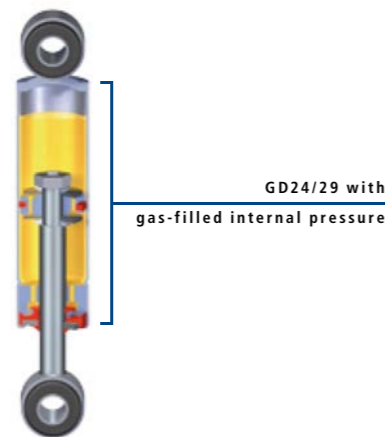
Applications:

- Washing machine damper
- Commercial vehicle seats
- Smoke exhausts
- Heavy flaps and doors that open vertically

STAB-O-SHOC GD24/29 Gas damper

Due to the increased internal pressure, the piston rod extends automatically. Structure and damping properties are very similar to those of the standard Stabilus damper STAB-O-SHOC HD24.

- Damping forces to 9000 N
- Damping forces in tension and compression directions can be set independent of each other
- With push-out force
- Return stroke, delayed damping
- Position-dependent mounting, with piston rod down or up



Applications:

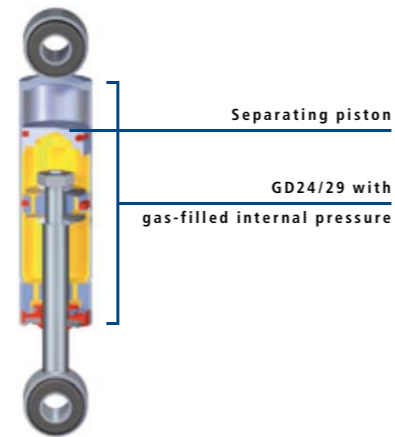
- Seat damper (vertical vibration damping)
- Car roof damper, e.g., convertible top

STAB-O-SHOC GD24/29 Gas damper with separating piston

The position-independent mounting orientation is achieved with a separating piston. When the direction of movement is reversed, the damping force is immediate and slip-free.

The special piston structure guarantees superior damping properties.

- Damping force max. 9000 N
- Damping forces in tension and compression direction can be set independent of each other by the factory
- With push-out force
- No return stroke, direct instant damping
- Mounting in any orientation



Applications:

- Overrunning brake damper
- Seat damper (vertical vibration damping)
- Car roof damper, e.g., convertible top

STAB-O-SHOC HD24					
Geometric data			Damping forces		Order-
¹ A [mm]	² A* [mm]	B [mm]	^{3/4} F _{tension} [N]	^{3/5} F _{comp.} [N]	No.
80	80	231	650	< 100	4196ZU
			1500	< 100	4197ZP
			5000	< 100	4199ZF
80	129	308	< 100	650	4201ZL
			< 100	1500	4202ZG
			< 100	3000	4203ZB
120	120	320	650	< 100	4204ZX
			1500	< 100	4205ZS
			5000	< 100	4206ZN
120	188	426	< 100	650	4207ZL
			< 100	1500	4208ZD
			< 100	3000	4211ZF
200	200	498	650	< 100	4212ZA
			1500	< 100	4213ZW
			5000	< 100	4214ZR
200	305	660	< 100	650	4216ZH
			< 100	1500	4217ZC
			< 100	3000	4218ZY

1) A: hydraulic stroke
 2) A*: mechanical stroke
 3) linear test speed 100mm/s; force tolerances: +/-20% nominal value
 4) mounting: piston rod down, piston flow only in oil = hydraulic stroke, A
 5) mounting: piston rod up, maximum possible stroke in oil and air chamber = mechanical stroke, A*

Ordering example: 123456 / K2 / D1

Installation according to STAB-Spec.10145883 / Dimensions in mm / We reserve the right to make modifications

Dimensions:

STAB-O-SHOC HD24
 with 24 mm pressure tube
 outer diameter and 1.5 mm
 wall thickness

STAB-O-SHOC HD29
 with 29 mm pressure tube
 outer diameter and 1.5 mm
 wall thickness