

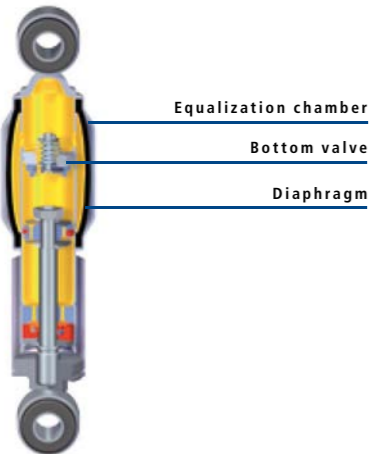
Product Overview

STAB-O-SHOC TA Damper

STAB-O-SHOC TA

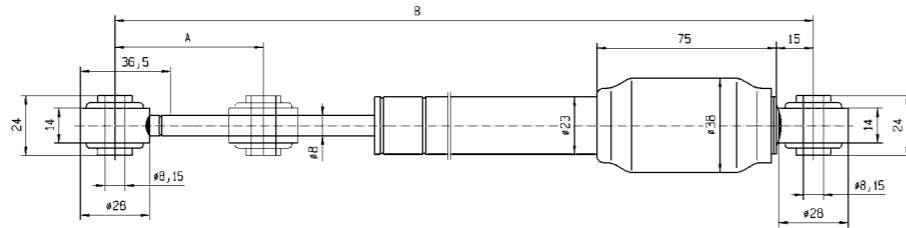
The diaphragm, adjacent to the outside of the pressure tube, absorbs the additional piston rod volume with the shortest possible overall length. This provides slip-free force transmission in any mounting orientation. Due to the special piston system with valve plates, the damping forces can be set variably and independent of each other.

- Damping forces up to 3000 N in tension and compression direction
- Damping forces in tension and compression direction can be set independent of each other by the factory
- Non-pressurised, no push-out force
- No return stroke, direct instant damping
- Mounting in any orientation



Applications:

- Steering dampers
- Trailer axles
- Lowering of head panel in hospital beds
- Vibration damping in farming equipment



STAB-O-SHOC TA20				
Geometric data		Damping forces		Order-No.
A [mm]	B [mm]	¹⁾ F _{tension} [N]	¹⁾ F _{comp.} [N]	
60	249	100	100	2366YR
		550	550	2424YR
		1000	1000	2426YH
120	369	100	100	2443YK
		550	550	2433YQ
		1000	1000	2456YQ
200	529	100	100	2466YK
		550	550	2474YO
		1000	1000	2476YE

1) test speed 104 mm/s
crank drive test: test stroke 20 mm/ test speed 100 rpm
force tolerances: +/-20% nominal value
2) **mounting in any position**
mounting instructions according to STAB-Spec. 10005593
waste disposal according to STAB-Spec. 10009375

Dimensions:

STAB-O-SHOC TA20

with 23 mm pressure tube outer diameter and 1.5 mm wall thickness

STAB-O-SHOC TA30

with 34 mm pressure tube outer diameter and 2.0 mm wall thickness

STAB-O-SHOC TA40

with 44 mm pressure tube outer diameter and 2.0 mm wall thickness



Maintenance-free for Life

Hydraulic vibration dampers from STABILUS have a maintenance-free service life! We use special sealing systems for particularly high numbers of stress cycles and extreme conditions.

Thus our dampers can easily withstand millions of stress cycles and work impeccably for many years.