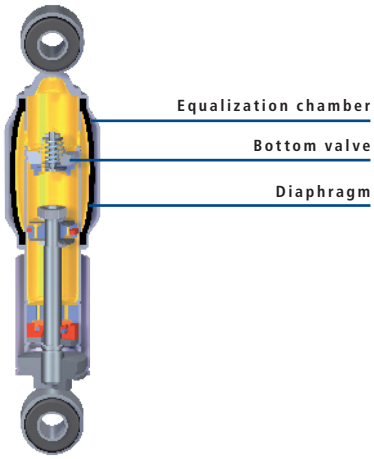
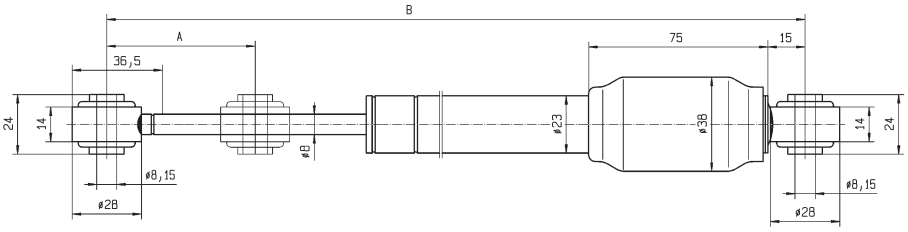
Product Overview
STAB-O-SHOC TA Damper

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





STAB-O-SHOC TA20

Geometric data		Damping forces		Order-
A [mm]	B [mm]	1)$F_{tension}$ [N]	1)$F_{comp.}$ [N]	No.
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

Applications:

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

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