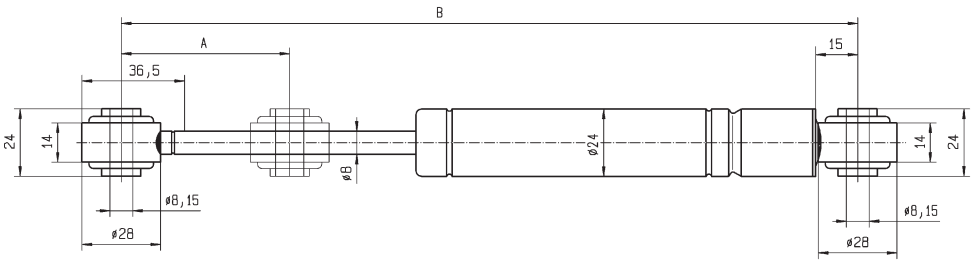
STAB-O-SHOC HD24MB with bottom valve and diaphragm

The diaphragm in the pressure tube combines the special features of the bottom valve with position-independent mounting. The damper is non-pressurised, so that the piston rod stays in the pressure tube.

- Damping forces up to 9000 N in direction of tension
- Damping forces in compression direction up to 2000 N
- 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

Bottom valve with diaphragm



STAB-O-SHOC HD24MB

Geometric data		Damping forces		Order-
A [mm]	B [mm]	1)2)$F_{tension}$ [N]	1)2)$F_{comp.}$ [N]	No
30	213,5	100	100	2529YM
		400	400	2546YP
		1000	1000	2548YF
60	273,5	100	100	2598YC
		400	400	2602YZ
		1000	1000	2611YY

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:

- Belt tensioning damper
- Engine vibration damper
- Engine pitch motion damper