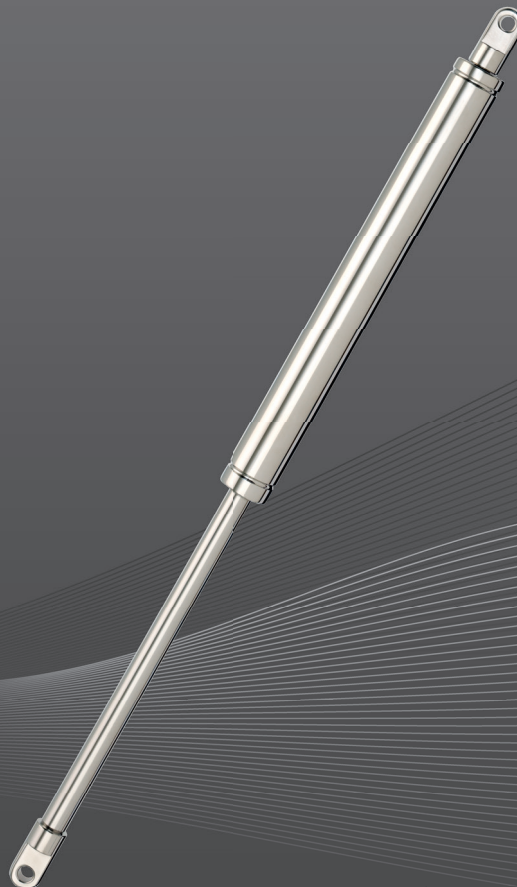


HAHN GAS SPRINGS



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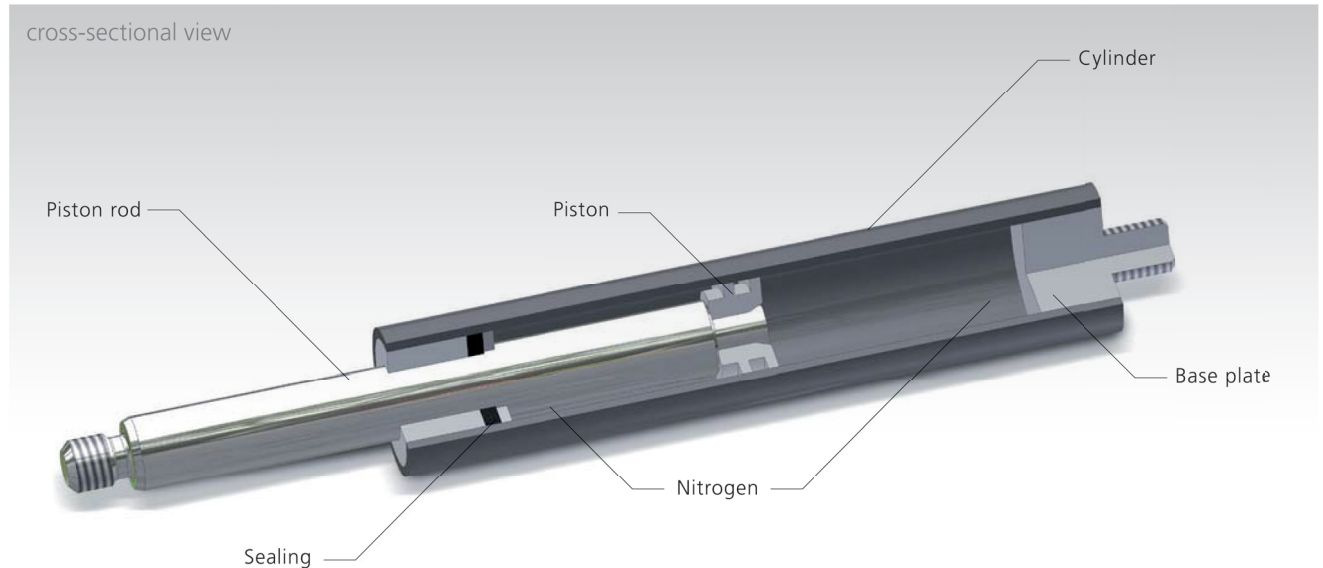
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HAHN GAS SPRINGS



HAHN gas springs are hydropneumatic, closed and maintenance-free adjustable elements. The spring force F_1 results from the internal pressure (160 bars without load at the most) in the cylinder, which is generated by the filling medium nitrogen.

On the gas spring, this pressure is applied to the cross-section of the piston rod. When no load is applied, the piston rod always is extended. By pushing in the piston rod, the volume in the cylinder is reduced, and the gas is compressed. Thus the gas spring force increases (progression) depending on the diameter of the piston rod and the volume of the cylinder. HAHN gas springs contain an oil filling for lubrication and end damping.

HAHN gas springs are available in steel, in AISI 303/304 and AISI 316L/316Ti.

Gas springs are used to balance weight. They work against the weight force of the flap and support manual force when the flap is opened. Gas springs are therefore used to help open and hold things in the furniture industry, the automobile construction, engineering, sports, leisure and household appliances, medical engineering and many other fields of industry and for private uses. A wide range of suitable mounting brackets and end fittings are available for attaching gas springs to your application.