

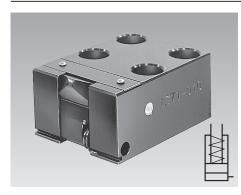


Articles and prices on request



Low-Block Clamping Cylinder

single acting with spring return, max. operating pressure 500 bar



Description

The preferred application of low-block clamping cylinders are clamping situations where workholding from above is not possible or necessary. The low-clamping effect is caused by the downward motion of the clamping point. The average horizontal force component is 94% and the vertical force component is approx. 34% of the nominal clamping force. The high vertical force guarantees that the workpieces are safely held down. The clamping lever is continuously hardened so that the shape of the clamping point can be adapted to the workpiece by regrinding.

Material

Cylinder body material: Steel, black oxide Clamping lever: 58 Cr V4, Hrc 54-58

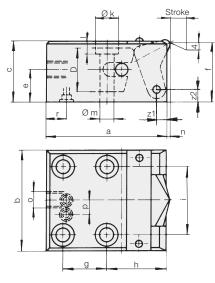
Important notes

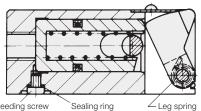
Cylinders have to be protected against direct influences of aggressive cutting lubricants and coolants.

Operating conditions, tolerances and other data see data sheet A 0.100.

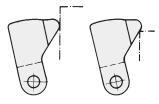
Application example





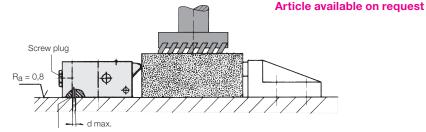


Bleeding screw with socket head Leg spring



Clamping possibilities

Stroke[mm]81010Clamping force at100 bar[kN]1.748500 bar[kN]8.52040Oil volume per 10 mm stroke[cm3]24.910.2a[mm]689096b[mm]506080c[mm]324050d max.[mm]666e[mm]192327f[mm]313949g[mm]324246i[mm]324246i[mm]324056Ø k[mm]351518I[mm]8.5911Ø m[mm]8.5911n[mm]2-2oG 1/4G 1/4G 1/4						
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The hydraulic oil can optionally by supplied through tubes or drilled channels in the fixture body; 4 fixing screws are required.