# HYQUIP

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Issue 4-17 E



Application

the fixture body.

clamping.

deformation

Assembly fixtures

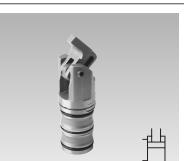
vertical machining centres

Typical applications are:



### **Mini Compact Clamp**

Cartridge type, clamping force 1.3 kN double acting, max. operating pressure 200 bar



Mini compact clamps are designed for appli-

cation in hydraulic clamping fixtures where oil

supply is effected through drilled channels in

Thanks to the small housing diameter of only 22 mm, the mini compact clamp can be installed in places where up to now there was insufficient space for a hydraulic clamping element. In multiple clamping fixtures, the minimum distance between cylinders is 28 mm. A clamping recess in the workpiece a little bit wider than the clamping lever is sufficient for

• Clamping fixtures for small workpieces and workpieces which are very sensitive against

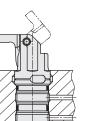
• Multiple clamping fixtures with many workpieces that are closely arranged

• Clamping fixtures for machining of several sides and complete machining Rotary indexing fixtures on horizontal and

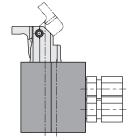
Advantages

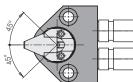
- Minimum dimensions (Ø 22 mm)
- Partially immersed body
- Space-saving integration by a patented fixing principle
- Housing can be rotated by 360°
- Mounting without pipes
- Workpiece clamping without any side loads
- Narrow clamping lever
- Metallic wiper edge
- Mounting position: any

#### Installation and connecting possibilities **Drilled channels**





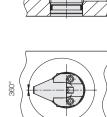


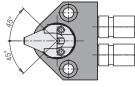


with accessory

mounting body

## mounting body



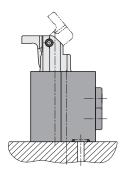


### Description

The hydraulic mini compact clamp is a doubleacting pull-type cylinder where a part of the linear stroke is used to swing the clamping lever onto the workpiece. In order to minimise the dimensions, the usual flange for screw fixing is omitted.

Instead 2 clamp pieces engage in a radial slot in the cartridge-type hole. When mounting, these clamp pieces are radially expanded by set screws accessible from above. Thus, the clamping force is compensated by form fit and without clearance.

The mini compact clamp can be turned by 360° in the cartridge-type hole.



Application example



Clamping of a cast part

Römheld GmbH

Subject to modifications

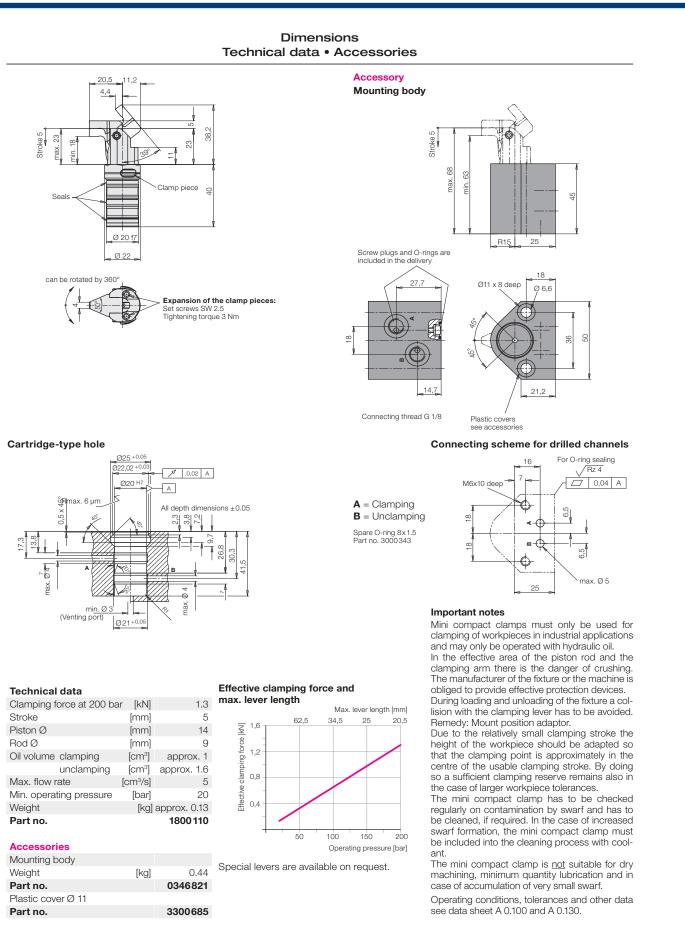
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