



Compact Swing Clamp with Pneumatic Clamping Monitoring cartridge-type, double acting, max. operating pressure 250 bar



Advantages

- Minimum dimensions
- Long clamping levers are possible due to completely swung-back clamping lever
- Integrated pneumatic clamping monitoring
- Low overall height
- Sturdy lever kinematics

Cartridge-type version

- Fixation of the body from below
- Flange at the top

Maximum clamping forces

- Size 1: 2.5 kN
- Size 2: 4.0 kN
- Size 3: 8.0 kN
- Size 4: 10.0 kN

Hydraulic ports

- Drilled channels
- Pipe thread with accessory mounting body

Application

The compact clamp particularly excels by its minimum dimensions.

That is the reason why it is particularly used on hydraulic clamping fixtures, on which high clamping forces have to be realised with a very space-saving arrangement and the workpiece loading and unloading has to be effected without impediments.

Typical applications are:

- Rotary indexing fixtures in vertical and horizontal machining centres
- Clamping fixtures for machining of several sides and complete machining

Description

Due to the pulling motion of the double-acting piston the clamping lever is moved by a reversing mechanism from the unclamping position to the clamping position.

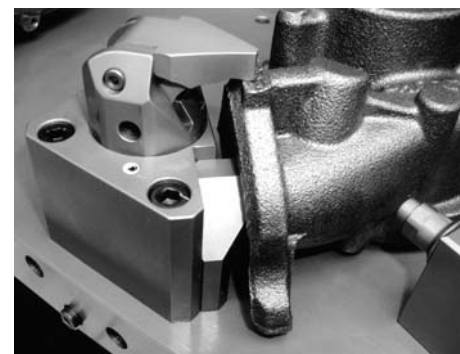
The completely swung-back position of the clamping lever in unclamped mode allows also the use of long clamping levers for clamping of remote clamping points.

Clamping without side loads of workpieces that are sensitive to deformation is possible, since application of force onto the workpiece is vertically effected.

Due to the integrated pneumatic clamping monitoring it is possible to check the availability of the workpiece and the clamping pressure.

Two different cartridge types, each in four sizes, offer a high flexibility for the design of clamping fixtures.

Application examples



Clamping of a cast part