

Swing Clamp with Internal Hydraulic Interlock



In many automatized machine sequences the work pieces have to be securely fastened to achieve optimal results and to be able to process the work pieces in the first place.

A fixation frequently has to fulfill following requirements:

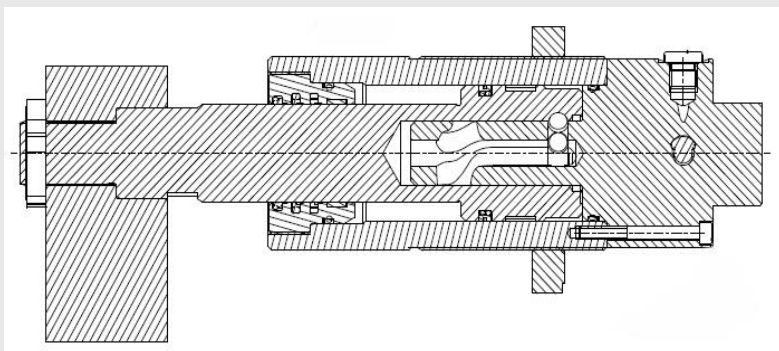
- High holding force
- Fast clamping
- Fast loosening
- Safe positioning
- Holding of position and force
- High number of cycles

Swing Clamps that meet all these requirements have proven to be effective for this kind of applications.

HYDROPNEU provides swing clamps that will be always optimized for your individual needs.



Swing Clamp with Internal Hydraulic Interlock



- ▶ High holding forces
- ▶ Secure clamping
- ▶ Motion divided into pivoting and clamping
- ▶ Internal hydraulic interlock of the clamping position and force

Example:

This hydraulic swing clamp is installed in a steel mill for holding slabs. The piston rod is made of stainless steel to withstand the highly corrosive influences in this particular environment. The external thread on the cylinder tube makes a precise adjustment of the clamping position possible. A lock nut helps to fixate the swing clamp in the right position. The clamping position and the clamping force are maintained automatically through an internal valve control, even if no operating pressure is applied.

Technical Data:

| Swing Clamp SSZ.00S.0S.2.0-063-045-0053-0329 | |
|---|--|
| Piston-Ø: | 63 mm |
| Rod-Ø: | 45 mm |
| Swing Stroke: | 20 mm |
| Spannhub: | 33 mm |
| Clamping Stroke: | 90° |
| Operating Pressure: | 200 bar |
| Operating Mode: | double-acting |
| Operating Fluid: | HLP 46 |
| Clamping Force: | max. 30KN |
| Special Features: | <ul style="list-style-type: none">• Piston rod, stainless steel• External thread on the cylinder tube• Internal hydraulic lock• Adapted motion sequence for pivoting and tensioning |