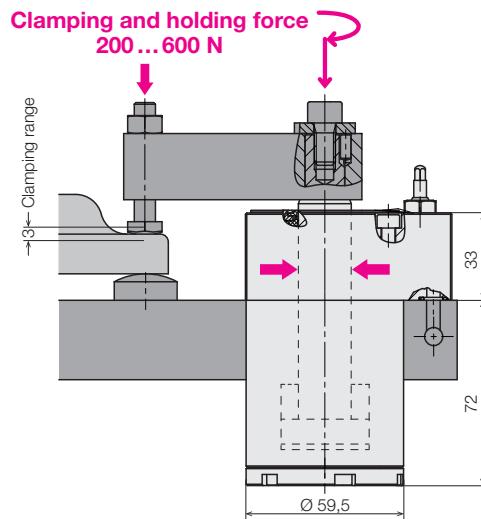
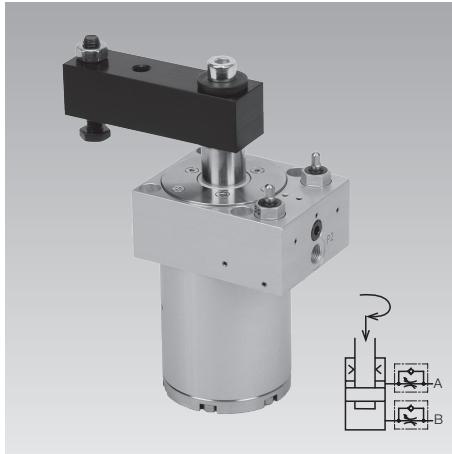




Pneumatic Swing Clamps with Locking

Top flange, pneumatic unclamping monitoring optional
double acting, range of operating pressure 2...6 bar



100 % of the clamping force even after disconnecting the energy supply

Further advantages

- Automatic locking in clamping range
- Sturdy swing mechanism
- Clamping arm indexing
- Swing speed adjustable
- Pneumatic unclamping monitoring
- Metallic wiper optional
- Manifold-mounting connection with drilled channels
- Mounting position: any

Application

Pneumatic swing clamps with locking maintain clamping force

- in the case of a pressure drop in the pneumatic line;
- if the supply line of a pneumatic clamping fixture has to be uncoupled in clamped mode, e.g. for clamping pallets.

Description

The pneumatic swing clamp is a pull-type cylinder where a part of the total stroke is used to swing the piston.

Due to the sturdy swing mechanism the angle position of the clamping arm remains the same after a slight collision with the workpiece during loading or unloading. Also a collision during the clamping process is not critical.

The piston is automatically locked when the workpiece height is within the designated clamping range. If the piston is locked, the pneumatic line can be depressurised or completely uncoupled.

The piston is unlocked by the minimum pressure during unclamping.

Adjustable flow control valves

The flange is equipped with two flow control valves which are easily adjustable from above. This allows the swing speed to be reduced

- if the flow rate is too high;
- to improve synchronization when several swing clamps are connected in parallel;
- to delay individual swing clamps depending on the sequence;
- for special clamping arms with larger mass.

Swing direction

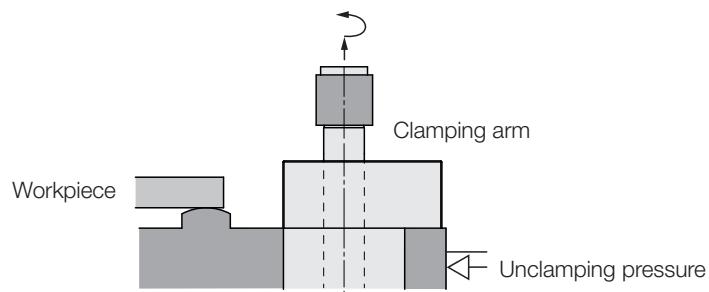
90° swing angle, alternatively with clockwise or counterclockwise swing motion. Optionally also available 60°, 45° and without swing motion (0°).

Important notes!

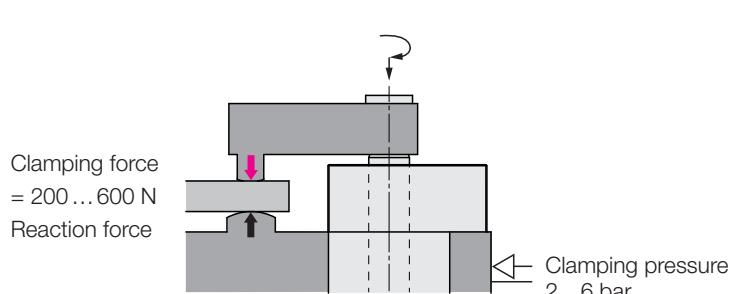
Pneumatic swing clamps are intended for industrial use only.

In the effective area of piston and clamping arm, there is the danger of crushing. The manufacturer of the fixture or the machine is obliged to provide effective protection devices.

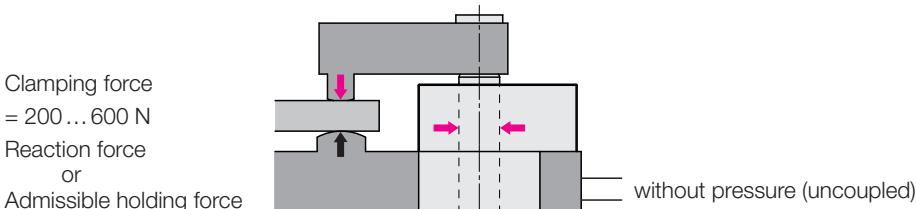
Unclamped



Clamped



Clamped, locked and without pressure



100 % of the clamping force is maintained