

Technical information for pneumatic rotary lever clamps

General safety information

Sealing materials:

NBR (acrylonitrile butadiene rubber).

PU (polyurethane).

Special materials to suit functional requirements.

Mounting position:

If no specifications are made in the data sheets, the mounting position of the pneumatic clamping elements is arbitrary.

Operating pressure:

Must be taken from the technical specifications of the product family and/or the individual articles.

Ambient temperature:

-10 °C to +80 °C by standard versions. Versions for higher ambient temperatures available on request.

Piston lateral forces:

Max. 5 % of the nominal piston force may act on the clamping element as lateral forces.

Permitted stroke speed:

Max. 0.25 m/s.

Operating principle of pneumatic clamping elements:

Double-acting pneumatic clamping elements (return time can be defined).

Service life:

For a long product life, with single-acting clamping elements with spring return care must be taken that no liquids can penetrate the spring chamber of the clamping element.

Commissioning / Maintenance:

Installation information must be observed during the commissioning of pneumatic clamping elements.

When installing the clamping elements, pay attention to the cleanliness of the individual interfaces.

Only the specified, clean pressure media may be used for operation.

Maintenance intervals must be observed.

Accident prevention regulations:

Extreme forces can be generated with pneumatic clamping elements. This increases the risk of injury during operation through pinching or crushing.

Use protective devices with locks or latches and observe the general accident prevention regulations.

Observance of DIN 31001, part 1.