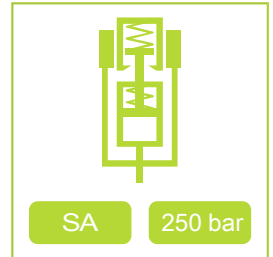




Advantages:

- ✓ High support forces
- ✓ Operating pressure from 35 bar on
- ✓ Lock against rotation included
- ✓ Low settlement
- ✓ Non-sensitive for lateral forces
- ✓ No ventilation for housing required
- ✓ Compact design



Function

Recommendations for use:

Work support elements are used as variable support points to prevent the vibration and deflection during the machining of workpieces.

The threaded-body design allows space saving and direct installation into the fixture body. Oil supply is made through drilled channels.

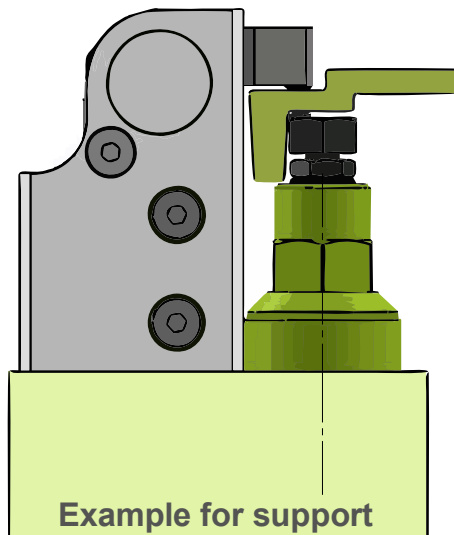
The support elements must always be selected so that occurring load and clamping forces are recorded with sufficient reserve.

The support elements are protected against the ingress of fluids and moisture.

An additional ventilation or air purge connection is not necessary.

By observing the indicated contact spring-force, own thrust bolts can be used.

We recommend as a medium hydraulic oils acc. to DIN 51524 (HL, HLP).



Example for support

Description:

Function: Single acting

Connection: 1x supply hydraulic oil

Operation: Hydraulic against spring force

These elements don't work with conventional generated supporting force by a clamping bush. For this reason, possibly penetrating moisture decreases the support force only slightly.

The support plunger is secured against rotation.

This means: When replacing the standard thrust bolt the support plunger must not be held against.

Because these elements are secured against rotation and also very transverse-load insensitive, asymmetrical thrust bolts / screws can be used.

These features, in conjunction with the slim upper part of the elements also allows the use for machining of very filigree components.

Compared to the size, these elements generate very high support forces.

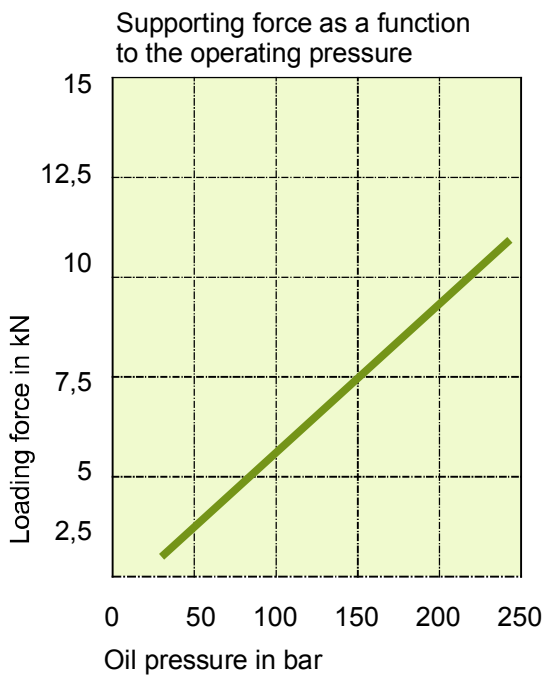
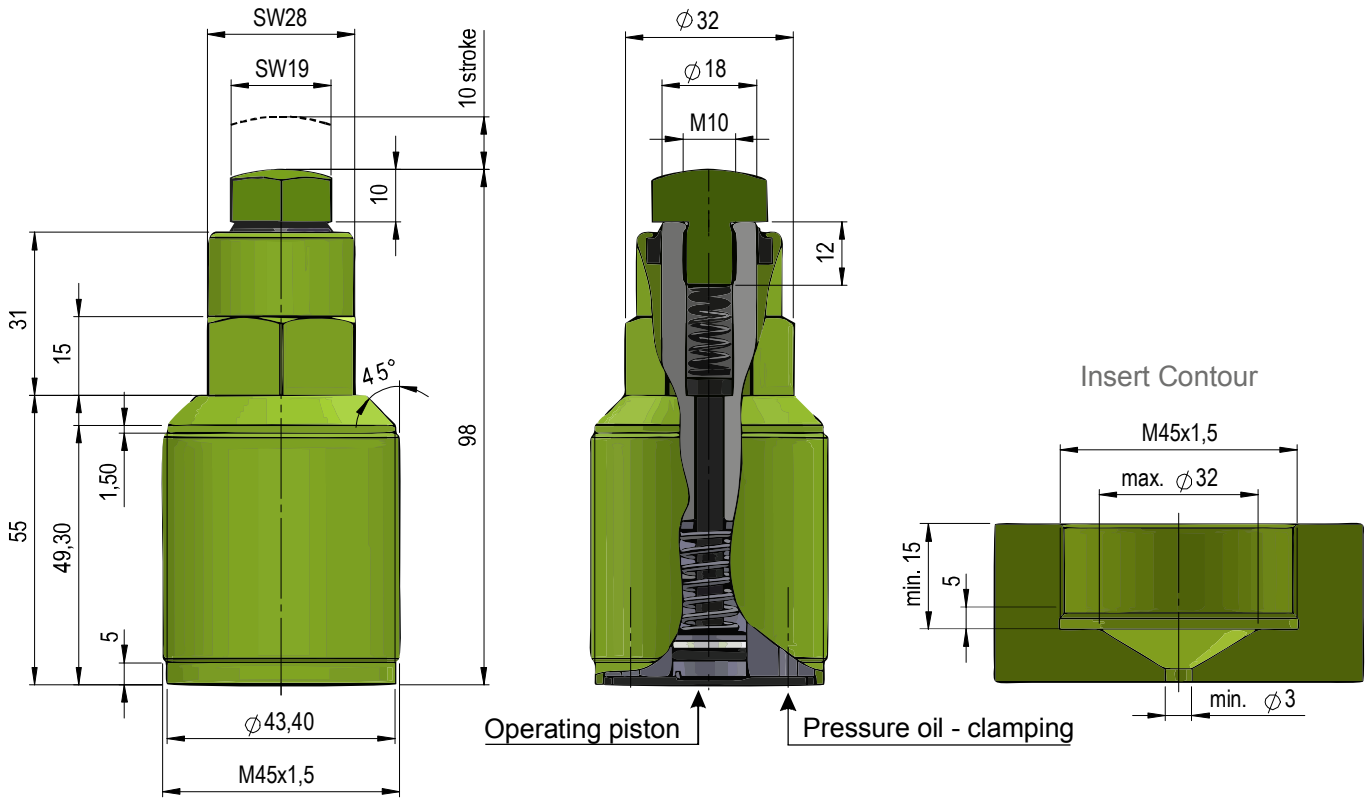
This elements have a negligible low settlement- and elongation behavior.

Specifications on the next page!

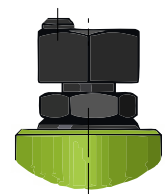
Contact

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Technical Data	Unit	Value
diameter of support piston	mm	18
Stroke	mm	10
Recommended Volume flow	l/min	1-2
Spring force	N	10-27
Min. working pressure	bar	35
Max. working pressure	bar	250
Setting behavior under load max.	mm	0,025
Elastic elongation max.	mm	0,025
Recommended torque	Nm	60
Max. working temperatur	°C	80
Part number		IWS18-001



Eccentrically support possible

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