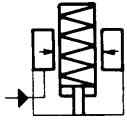


No. 6964F

Support Element, cartridge flange

Normally extended. Spring advanced, max. operating pressure 350 bar, min. operating pressure 50 bar.



CAD

Order no.	Article no.	Contact force F1 [N]	Support force at 350 bar [kN]	Stroke C [mm]	Vol. [cm ³]	Md max. [Nm]	Weight [g]
165092	6964F-04-1	4,5-9,0	4,4	6,5	0,16	40,5	160
165100	6964F-11-1	9,0-26,5	11,0	9,5	0,33	40,5	320

Design:

Cylinder body from steel, hardened. Support pin with internal thread case hardened and ground. Wiper to protect against dirt and cooling water. Internal parts from stainless steel. Oil supply via oil channel in fixture body.

Application:

The support element is used as an extra support to prevent sagging and vibration of a workpiece.

Features:

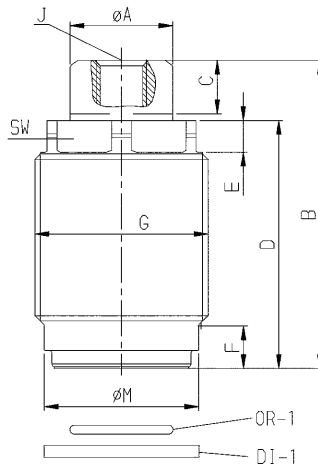
Element with high load capacity and low height. Spring extension: the plunger is normally extended. Variable spring setting permits sensitive adjustment of contact force.

Note:

Support pin must be protected against the entry of dirt and splash water by fitting a set screw or plug. When placing into operation, ensure that all air is bled from the system. Failure to do so can cause destruction of the clamping element by the escaping diesel effect.

The supporting force should be matched to the clamping force in order to absorb machining forces.

The supporting force should always be at least twice as high as the clamping force.

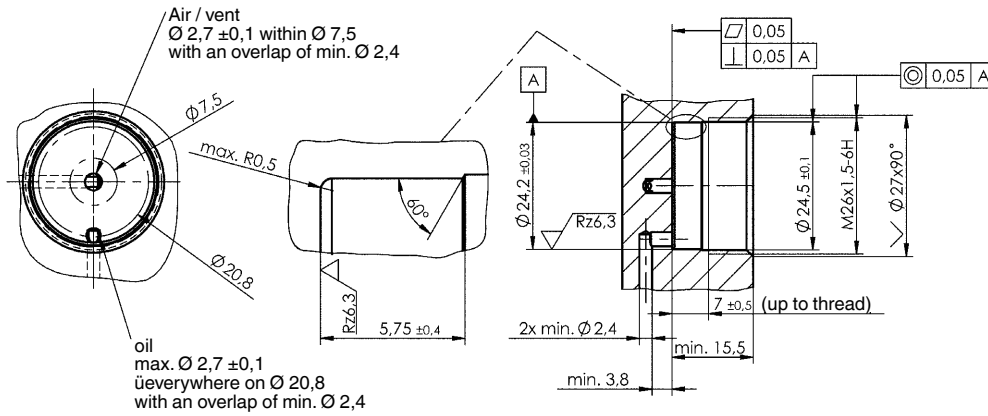


Dimensions:

Order no.	Article no.	dia. A	B	D	E	F	G	J x depth	dia. M	SW	OR-1 O-ring Order No.	DI-1 Seal Order No.
165092	6964F-04-1	16,0	47,5	40,5	5,5	7,5	M26 x 1,5	M8x7,5	24	23	479550	346270
165100	6964F-11-1	20,5	62,0	49,5	6,5	8,5	M35 x 1,5	M10x11,5	31	30	479618	550211

Installation dimensions:

6964F-04-1



6964F-11-1

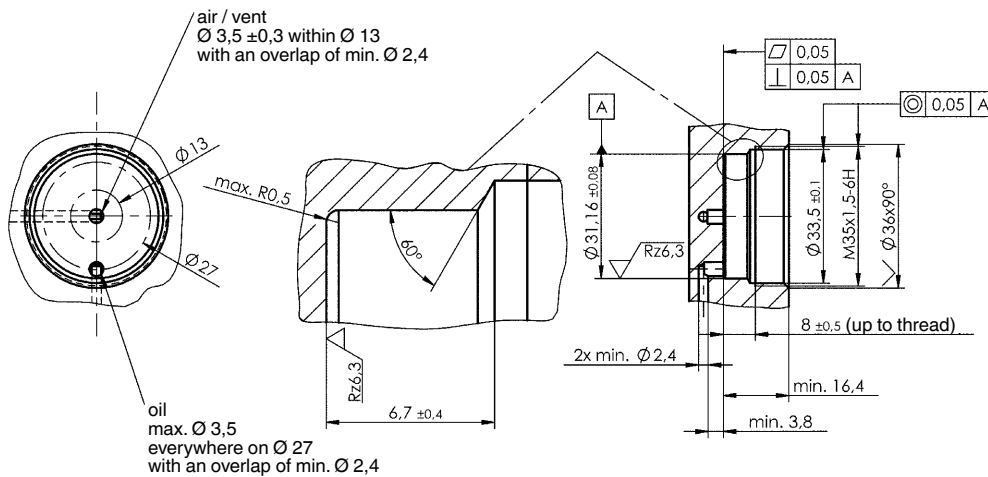
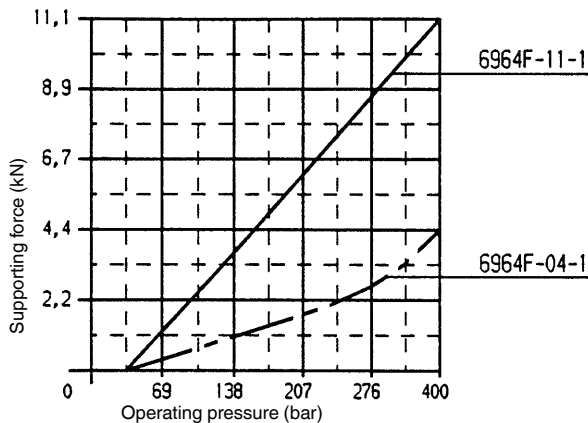


Diagram:



0.004 mm/kN elastic change in length under load