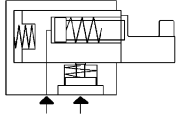


No. 6965

## Hydraulic Compensating Clamp

Single acting, with spring return, max. operating pressure 100 bar.



Order no.	Article no.	max. clamping force [kN]	max. locking force [kN]	max. piston force [kN]	Holding force [kN]	Clamping stroke [mm]	Compensating stroke [mm]	Pin dia.	OR-1 O-ring Order No.	Weight [g]
320333	6965-08-00	2	3	2	0,5	12	3	16,0*	550265	1675
320341	6965-08-01	2	3	2	0,5	12	3	5,5	550265	1675
320358	6965-08-02	2	3	2	0,5	12	3	8,5	550265	1675

\* Clamping bolt blank not hardened

### Design:

Housing from steel, burnished. Piston from case-hardened steel, hardened and ground. Complete with four fixing screws M6 x 70 and O-ring for flange seal. Oil supply via threaded connection or oil channel in the fixture body.

### Application:

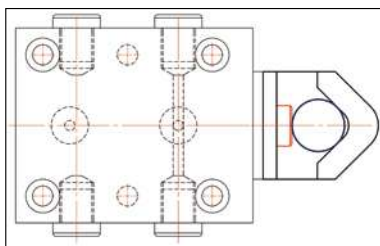
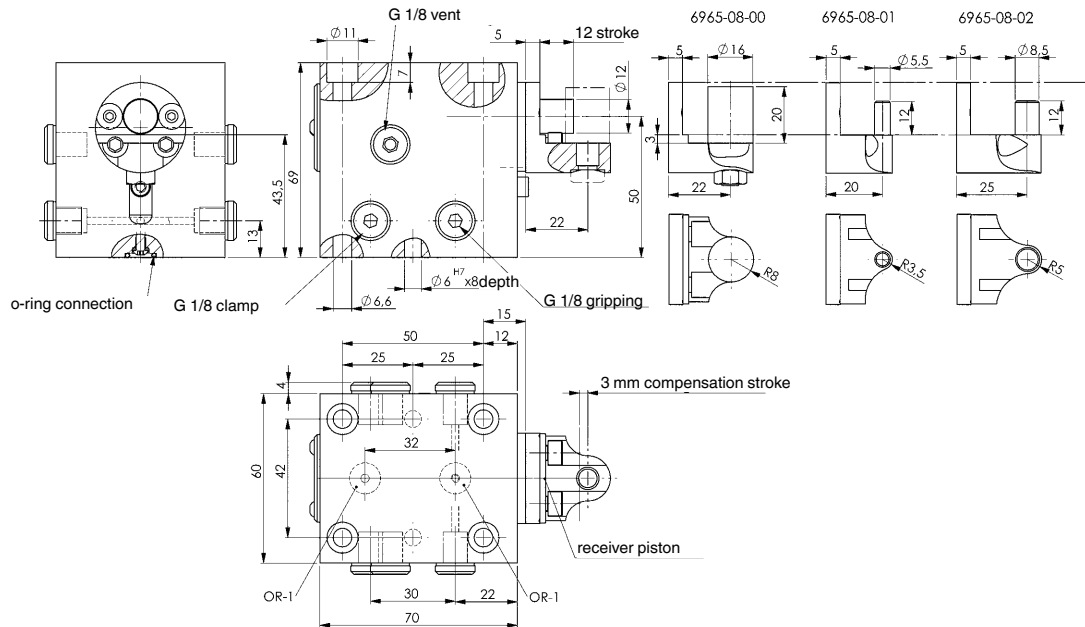
The Hydraulic Compensating Clamp is employed in fixtures for the distortion-free, floating clamping and support of workpieces. It is possible to use several Hydraulic Compensating Clamps without distorting a workpiece.

### Features:

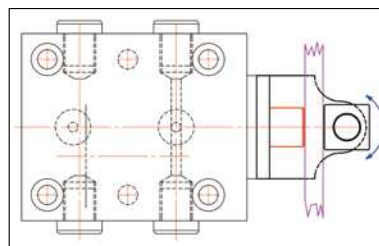
The floating piston has a compensating stroke of 3 mm, thereby also permitting the clamping of workpieces with large shape deviations or differing and inaccurate drill hole tolerances. Immediately after the clamping process, the support piston is clamped, specifically in a clamped position, via a sequence valve! The workpiece holder on the adjustable clamp is easy to change and is therefore simply and quickly adapted to the various workpiece contours.

### Note:

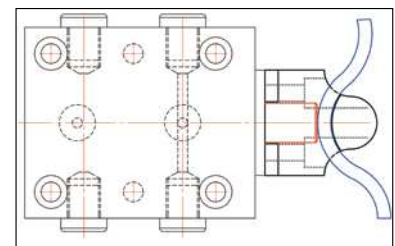
Please do not operate a Hydraulic Compensating Clamp without a workpiece in place; doing so can damage the return spring or cause it to set and lose force. For single acting cylinders there is risk of sucking in coolant through the breather port. In such cases the breather port has to be piped to a clean protected area. The system has to be completely vented during installation.



Clamping of workpiece with moulded lugs.



Clamping at heat fin.



Clamping to CAD-data geometry.

Subject to technical alterations.