Hydraulic Threaded-Body Clamping Module
pull-type, single and double acting, with anti-torsion device
max. operating pressure 500 bar

Application

The hydraulic threaded-body clamping module pull-type was developed for screwing into:

- standardized housings
  (see page 2)
- fixture bodies or manifold blocks
  (see figure 2)
- fixture base plates
  or intermediate plates for pallets
  or machine tool tables
  (see page 2)

Application examples

Figure 1 shows axial clamping of a workpiece in connection with a C-washer as per DIN 6371/6372. The hydraulic threaded-body clamping module is integrated in a standardized housing (dimensions see page 2). The C-washer (loose part) has to be attached for each clamping process.

When clamping with elastomer spring elements (see figure 2) the workpiece has to be centered by a shoulder at the location flange, since only axial and radial clamping forces can be introduced by the elastomer spring element.

When using disks (see figure 3) centering is provided by the disks as the axial and radial forces are applied.

The decision, which clamping element has to be used, depends on the tolerance of the workpiece and the required axial retention forces.

Important notes

Operating conditions and other data see data sheet A 0.100.

In single-acting applications, please pay attention to the instructions for bleeding of the spring area on data sheet G 0.110.

Technical data

<table>
<thead>
<tr>
<th>Pulling force at 500 bar [kN]</th>
<th>24.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clamping stroke, pulling [mm]</td>
<td>6.0</td>
</tr>
<tr>
<td>Spring force [N]</td>
<td>80-200</td>
</tr>
</tbody>
</table>

Part no.

Hydraulic threaded-body clamping module 1574811
Hydraulic threaded-body clamping module with housing 1574812

(see page 2)
Hydraulic threaded-body clamping module with housing

Installation of hydraulic clamping modules in the base plate of a multiple clamping fixture.
Transmission of the clamping force is made by an elastomer spring element Ø 50 x Ø 17 x 32 mm high. The workpieces are centred by the shoulder at the flange.
In such an arrangement for clamping neither a wrench is required nor a C-washer has to be handled.

Application example