Description

Material:
Base body and jaws steel.
Housing aluminium.

Version:
Body nitrided, black oxidised and ground.
Jaws nitrided and black oxidised.
Housing red anodised.

Note:
The floating clamp is used to clamp and support overhanging clamping points on components. It prevents vibrations and deflection during machining.

Type of operation:
1. Push the floating clamp down.
2. Pivot the jaws to the stop. The floating clamp contacts the bottom of the workpiece with a light spring force.
3. Tighten the floating clamp with the SW 18 hexagon nut (note the min. and max. torque). During clamping the workpiece is clamped and simultaneously supported.
4. Reverse the process to release.

Assembly:
Form A:
Fasten the floating clamp to the fixture with the M12 screw.
Adjust the height stop and swivel range using the red sleeve and lock with the 3x2.5 mm grub screws. When setting the height leave generous clearance above.
For safe operation the M12 tapped hole must always be closed.
For specific clamping applications the standard jaws can be altered or replaced.
Form B:
Fasten floating clamp with M6 fastening hole to a fixture.
Adjust the height stop and pivot range with the red adjusting sleeve and clamp with grub screws (4x AF 2.5). When setting the height limit, allow ample play at the top.
For specific clamping situations, the standard jaw plates can be modified or replaced.
04420 Floating clamp

Drawings

18 AF
M12 tightening torque
min. 15 Nm = load 2 kN
max. 30 Nm = load 8 kN

3x2.5 mm
for adjusting height and swivel range

scREW M8,
ISO 4762

grub screw M12x30
DIN 913 (exchangeable)

T-slot nut
M12x14 DIN 508

exchangeable clamping jaw

SW 46
Overview of items

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Form</th>
<th>Travel path</th>
<th>max. clamping travel</th>
<th>Load capacity N</th>
<th>Clamping force N</th>
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<td>8</td>
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</tbody>
</table>

18 AF
M12 tightening torque
min. 15 Nm = load 2 kN
max. 30 Nm = load 8 kN

4x2.5 mm for adjusting height and swivel range

exchangeable clamping jaw

Cap screw M6, ISO 4762
Cap screw M8, ISO 4762