Down-Thrust Clamps • swivelling, size 40

23310.0055



Product Description

Universal mechanical clamping element for fast and comfortable changing and clamping of workpieces by means of manually swivelling clamping claw.
The clamps have the following advantages:

- Rapid manual clamping by means of clamping screw, adjustable clamping lever, or double eccentric lever.
- Easy and rapid changing of workpieces by swinging away the clamping claw to the left or right. The positioning ring 23310.0350 allows infinitely variable adjustment.
- Continuously variable setting by means of positioning ring 23310.0350.
- The use of positioning ring 23310.0350 allows a repeatable precise clamping. Here h_1 min. increases by at least 7 mm (stroke minus 7 mm).
- Compact design, thus only a small amount of space is required for clamping.
- Easy adjustment even to large clamping heights due to the height adjusting cylinders.

As the force applied by the operator is not known for the versions with levers, the clamping force is given in the tables as a guide value. The average value was determined by tests.

Material

Clamp

- Case-hardened steel, case-hardened, blackened and ground

Tension lever

- Alloyed case-hardened steel, case-hardened, blackened

Assembly

Down-thrust clamps can be attached in two ways:

1. in a T-slot, using a nut for T-slots DIN 508 (EH 23010.)
2. with the set screw directly in the mounting plate of, for example, a fixture

The cylinder must make contact over the whole surface.
Exceeding of the clamping height is inhibited by the height limitation.

More information

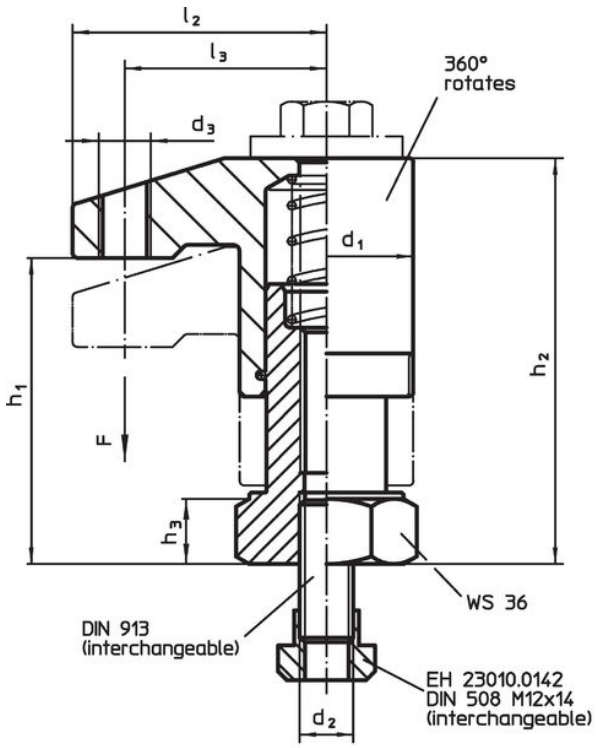
References

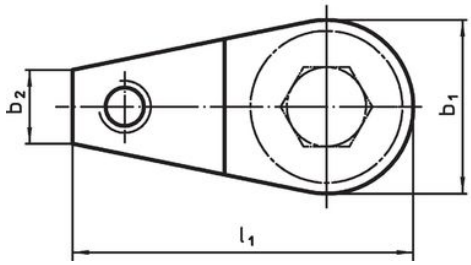
The clamping height can be increased by using height adjusting cylinders EH 23310. and disks EH 1107. and EH 1108. It can be reduced by employing clamping inserts, e.g. EH 22730.

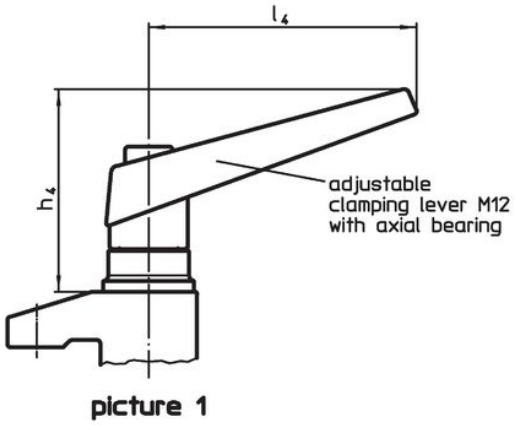
Further products

- Positioning Rings, for down-thrust clamp
- Height Adjusting Cylinders
- Spacers
- Wrenches

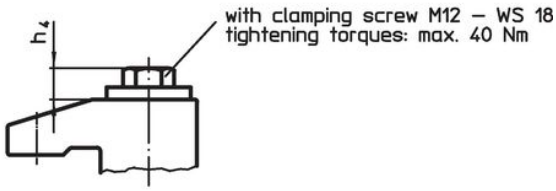
Drawing



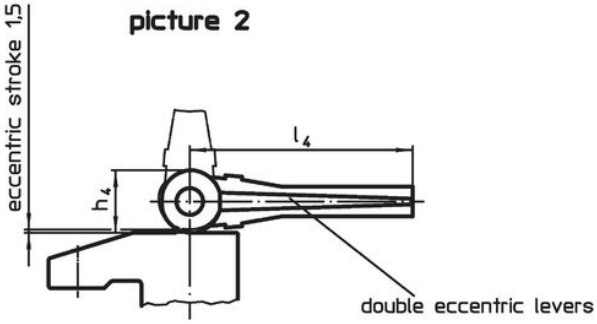




picture 1



picture 2



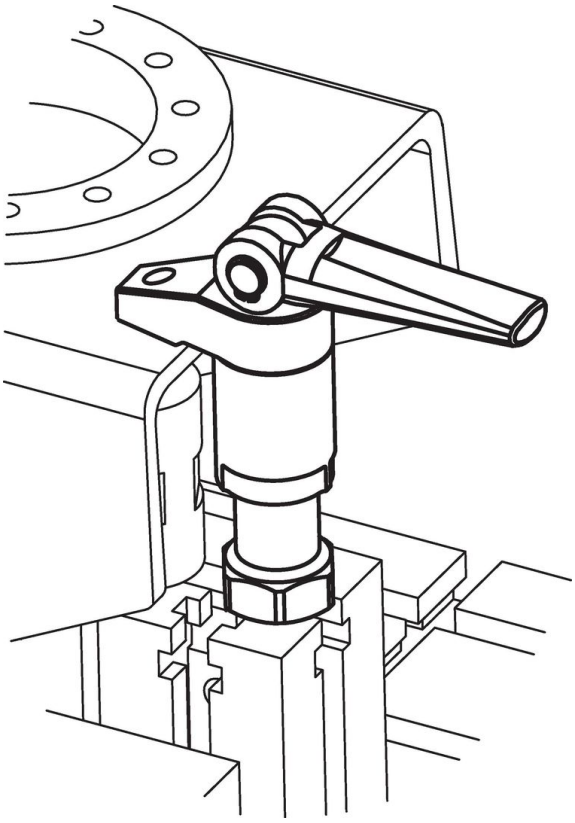
picture 3

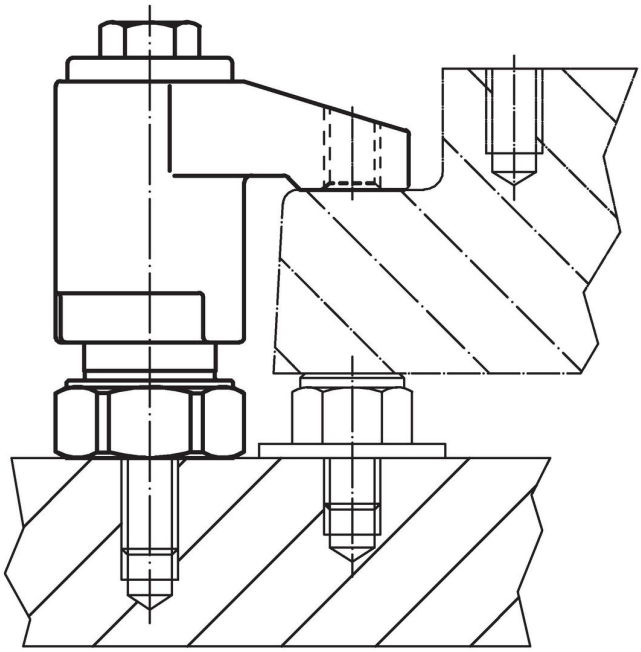
Order information

Dimensions [mm]													Stroke [mm]	Clamping force[1] [kN]	[g]	Art. No.
d_1	b_1	b_2	d_2	d_3	h_1	h_2	h_3	h_4	l_1	l_2	l_3	l_4				
with double eccentric levers – picture 3																
40	40	17	M12	M12	68 – 98	91 – 121	15	28	75	55	43	100	30	4	1370	23310.0055

[1] Average value established in trials.

Application example





Compliance

RoHS compliant

Contains lead - compliant according to exceptions 6a / 6b / 6c.

Contains SVHC substances >0,1% w/w

Contains lead - SVHC list [REACH] as of 23.01.2024.

Contains Proposition 65 substances



Lead can cause cancer and reproductive harm from exposure. Nickel can cause cancer from exposure.
https://www.P65Warnings.ca.gov/

Free from Conflict Minerals

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.