# Compact Clamps

## EH 23690.

### Product Description

The compact clamps are all purpose clamping elements. Due to the self-locking tension lever application can either take place in horizontal or vertical position in both, machined and raw workpieces.
Features:

- Exact and position precise clamping
- Easy, universal handling
- High clamping force at low tightening torques, abrasion-resistant due to tension lever with bearings
- Continuous, large clamping area
- Tension lever entirely retractable for hindrance-free exchange of workpieces
- Tension lever with locating thread for various clamping elements, e.g. ball-ended thrust screws (EH 22700. - EH 22720.), self-aligning pads (EH 22730. / EH 22740.) etc.
- Large adjusting range at constant clamping force
- Continuous increase of the clamping range by height adapters 23690.0112 / .0116
- Easy and flexible mounting options
- Corrosion-resistant
- Resistant to dirt and chips

### Material

**Body**

- Heat-treated steel, black coated

**Tension lever**

- Heat-treated steel, tempered, silver coated

### Assembly

Assembly and Set-Up:

1. Take out stop pin ISO 4762-M 6 x 10.
2. Move back and take out tension lever.
3. Tightening by 2 screws with internal hexagon (included in supply volume).
4. Place tension lever in sliding rail and then insert.
5. Tighten stop pin ISO 4762 - M 6 x 10.

### Operation

Clamping Process:

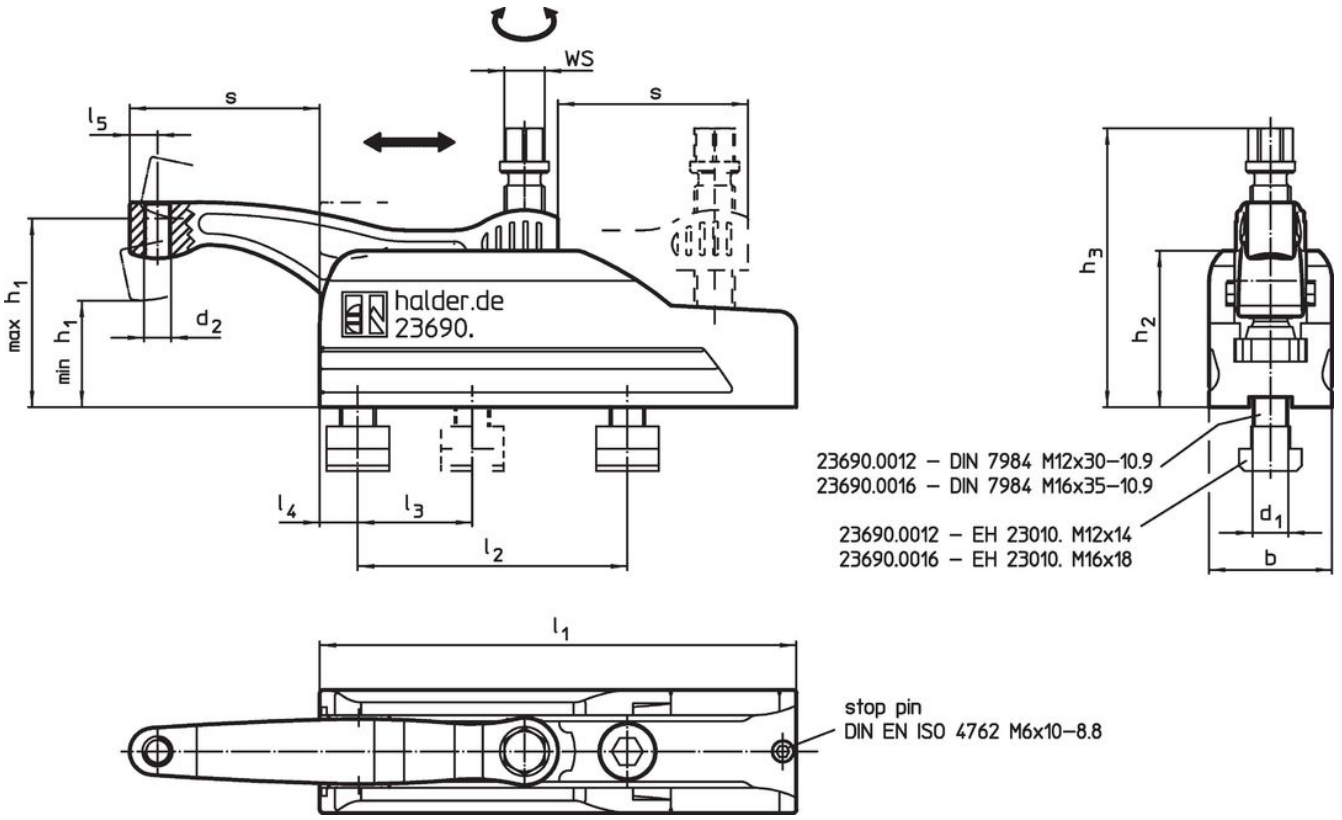
1. Slide tension lever to clamping position.
2. Clamping is made via a hexagon collar screw.
3. Releasing is done in reverse order.

### More information

### Further products

- Height Adapters, for compact clamp

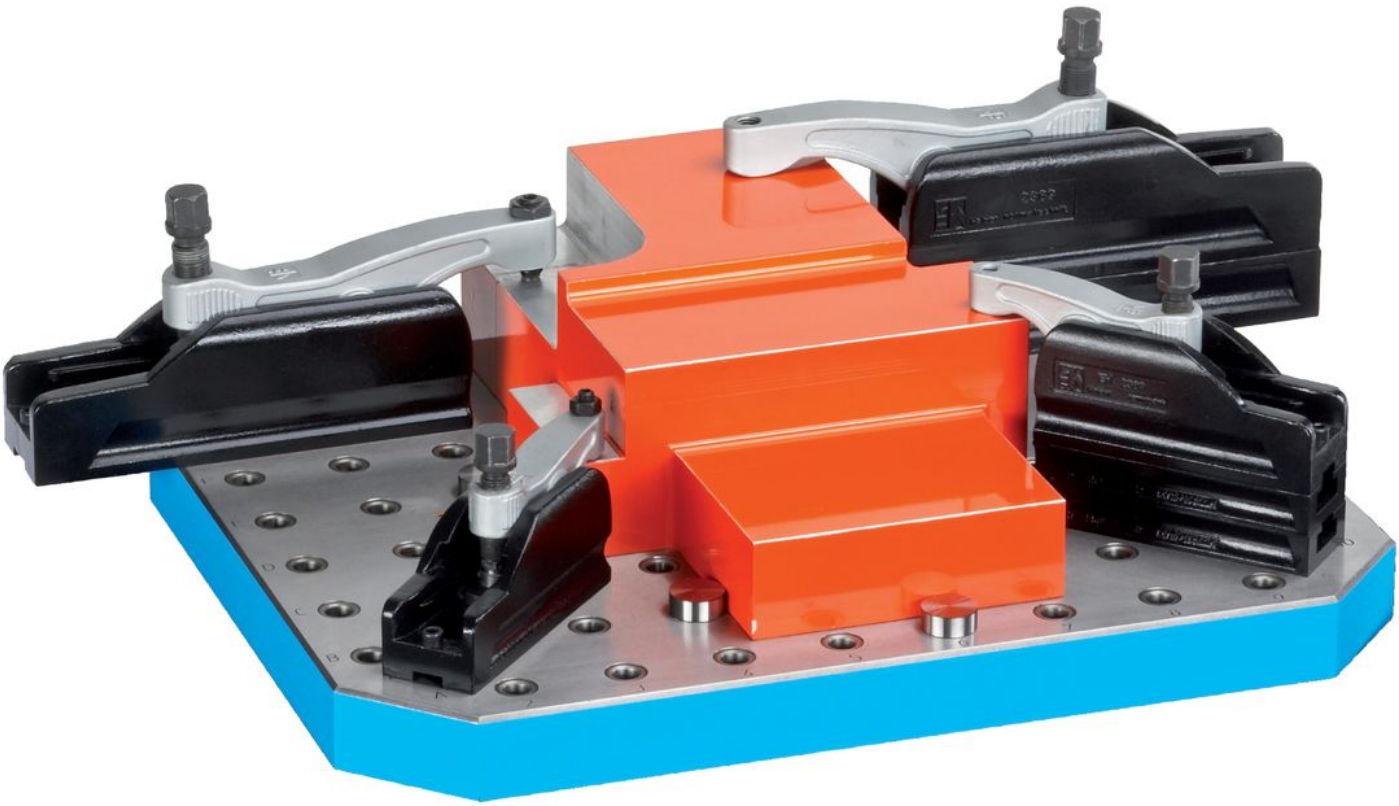
## Drawing

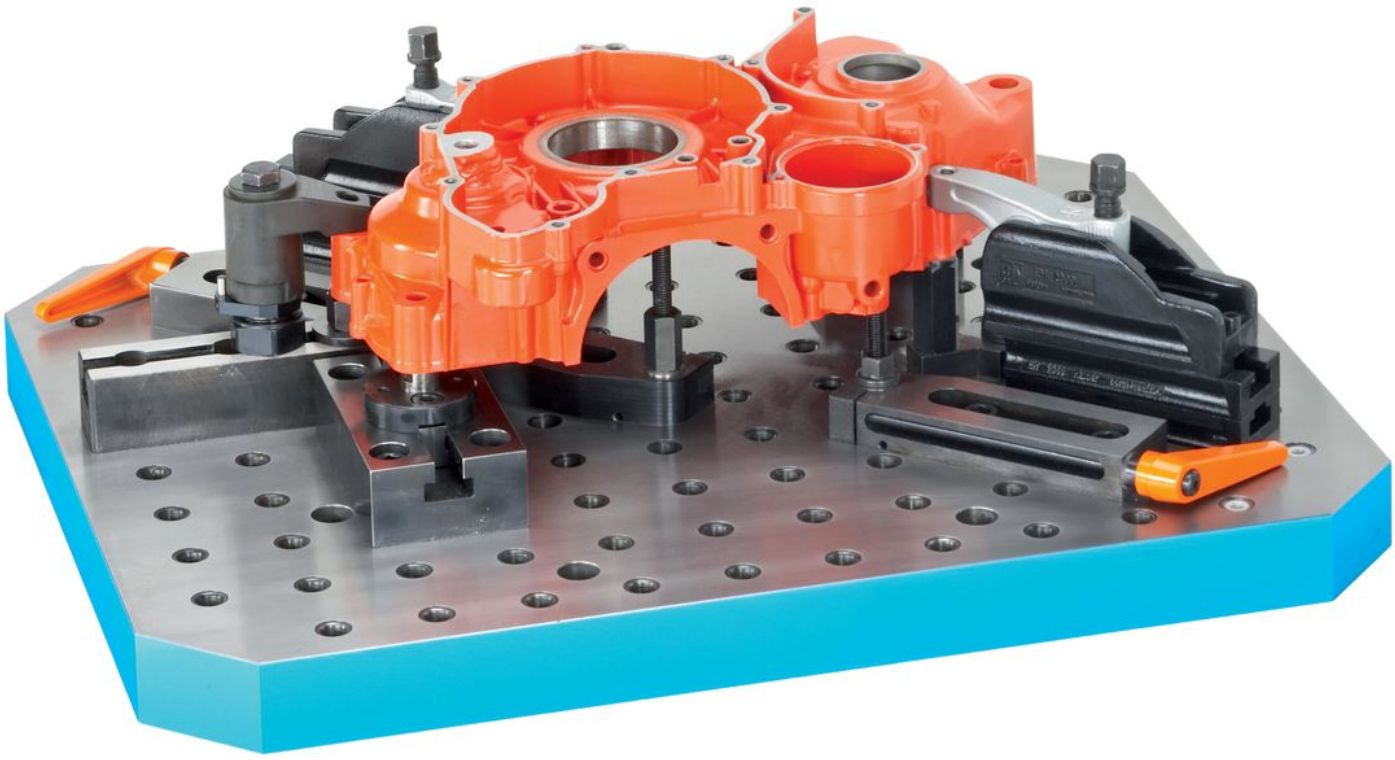


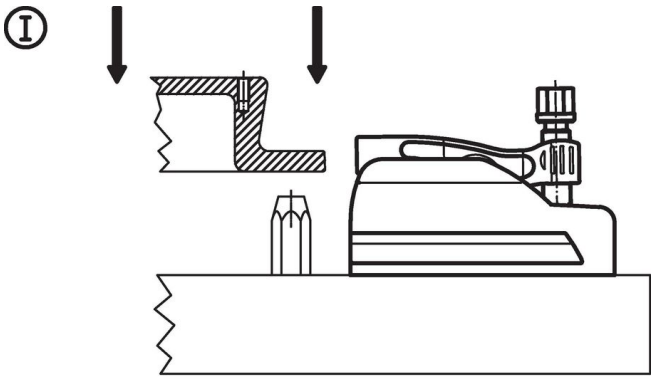

## Order information

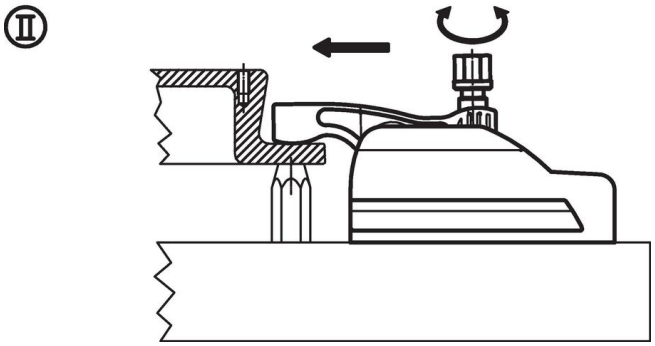
| Dimensions | | | | | | | | | | | | | WS | Clamping force max. | Tightening torque max. | | Art. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d_1$ | $d_2$ | $h_1$ min. | $h_1$ max. | $h_2$ | $h_3$ | s max. | $l_1$ | $l_2$ +1 | $l_3$ | $l_4$ | $l_5$ | b | | | | | |
| [mm] | | | | | | | | | | | | | [mm] | [kN] | [Nm] | [g] | |
| **M12** | M 8 | 40 | 60 | 59 | 95 | 43 | 134 | 70 | 50 | 13 | 10.0 | 45 | 16 | 15 | 45 | 1840 | 23690.0012 |
| **M16** | M12 | 47 | 85 | 70 | 126 | 85 | 213 | 120 | 50 | 17 | 12.5 | 55 | 18 | 25 | 75 | 4000 | 23690.0016 |

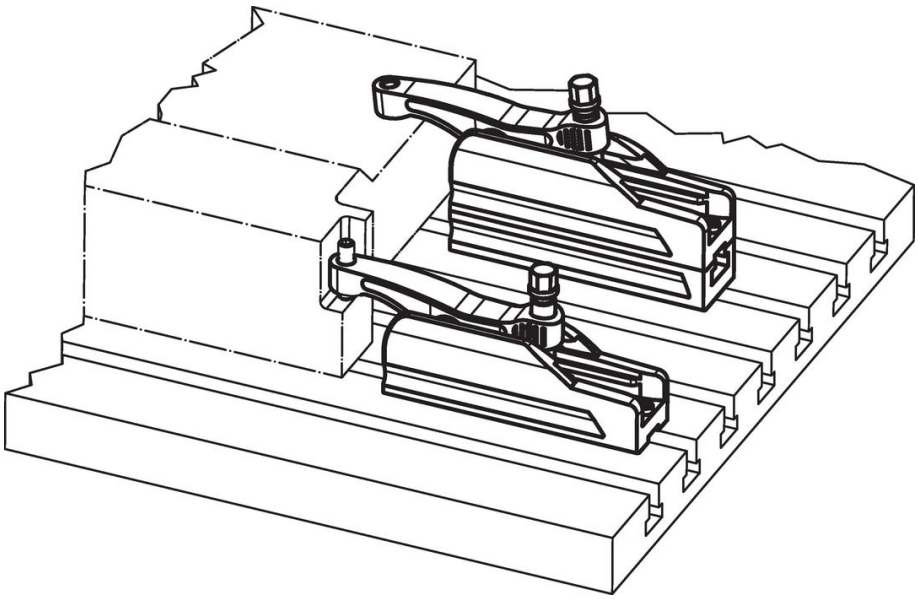
## Application example











## 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
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.