

COMPACT CLAMPS

PRECISE IN ANY POSITION

Our compact clamps are suitable for use as all-purpose clamping elements on machined and non-machined parts. Their self-locking clamping lever makes it possible to use the clamps in both vertical and horizontal position.

FEATURES

- Exact clamping with pin-point accuracy.
- Simple and universal handling.
- High clamping force at low tightening torque levels and abrasion-resistant thanks to clamping lever with bearings.
- Large and continuous clamping area.
- Clamping lever entirely retractable for hindrance-free exchange of workpieces.
- Threaded clamping lever can be used with many 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 height adjustment by height adapters 23690.0112/.0116.
- Simple and versatile attachment options.
- Corrosion-resistant.
- Resistant to dirt and chips.



Compact Clamps

EH 23690.

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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:

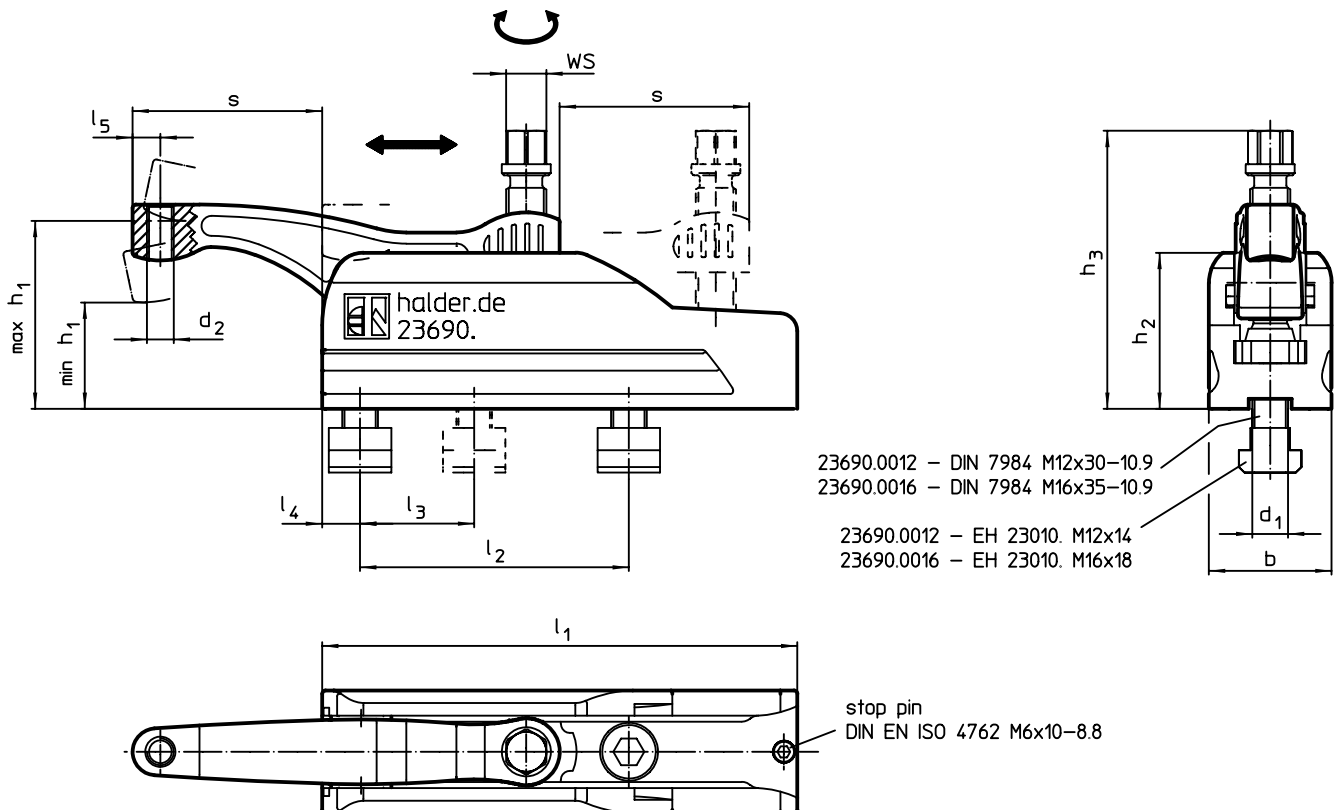
1. Slide tension lever to clamping position.
2. Clamping is made via a hexagon collar screw.
3. Releasing is done in reverse order.

MORE INFORMATION

Further products

Height Adapters, for compact clamp . . → p. 560

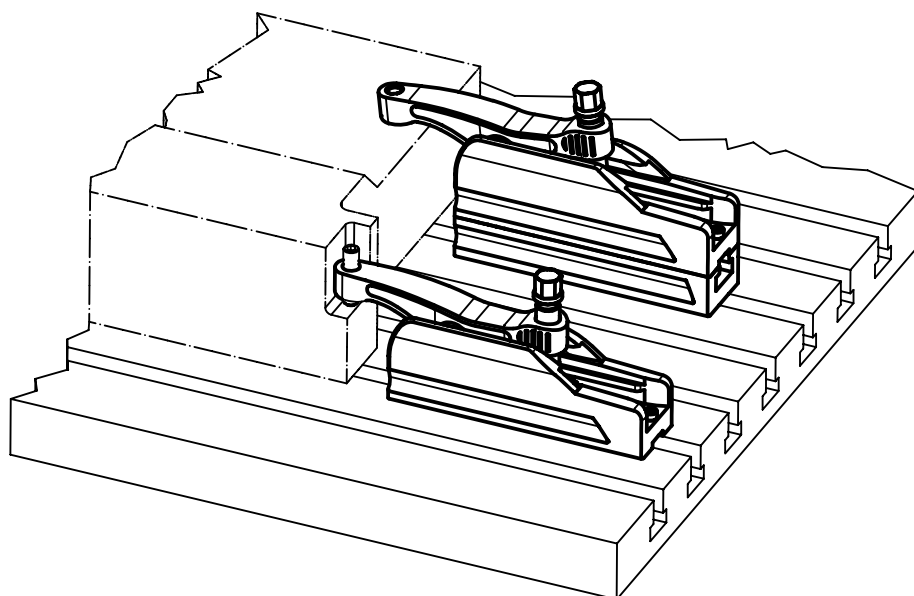
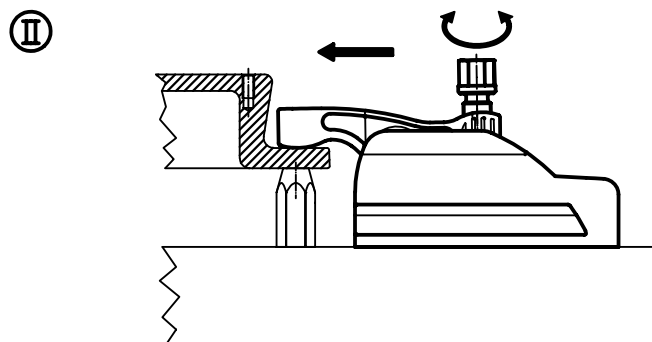
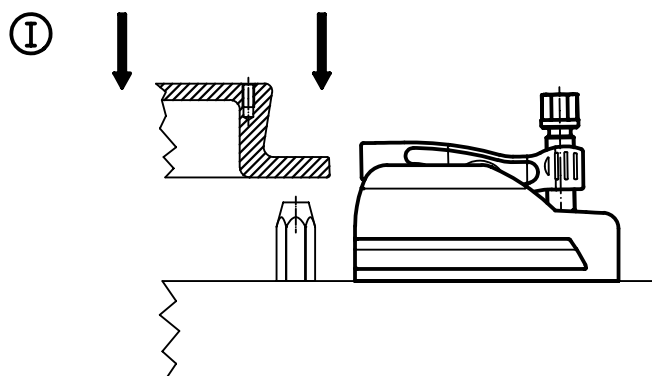
DRAWING



ORDER INFORMATION

Dimensions													WS	Clamp- ing 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]																	
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



Height Adapters • for compact clamp

EH 23690.



PRODUCT DESCRIPTION

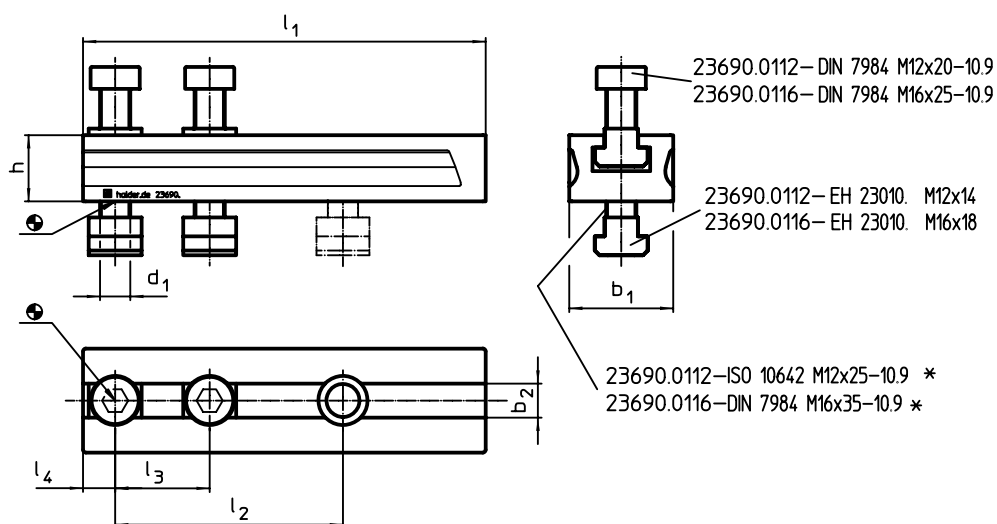
The height adapter for compact clamps allows a clamping height increase and has the following characteristics:

- Continuous covering of clamping height
- T-slot in the height adapter allows exact positioning by moving the compact clamp at specified grid spacings
- Height can be expanded user-defined

Material

- Heat-treated steel, black coated

DRAWING



* When using more height adapters the screws ISO 10642 or DIN 7984 have to be replaced by screws extended by the dimension h.

ORDER INFORMATION

Dimensions									Art. No.
d ₁	l ₁	l ₂ +1	l ₃	l ₄	h	b ₁	b ₂ H12		
[mm]									
M12	134	70	50	13	20	45	14		
M16	213	120	50	17	35	55	18	874	23690.0112
								3000	23690.0116

APPLICATION EXAMPLE

