

Down-Hold Clamps • with cranked tension lever

EH 23210.



PRODUCT DESCRIPTION

The quick-acting clamping element simultaneously presses the workpieces towards both, the stops and fixture plate. The low profile construction enables the entire surface to be machined. In conjunction with cylindrical stops EH 23280., a special fixture can be replaced.

Material

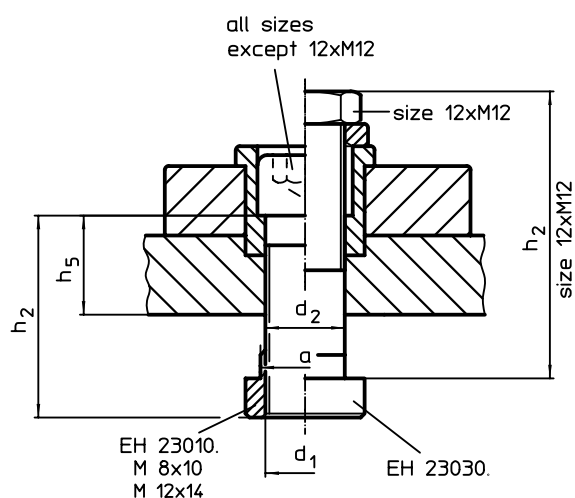
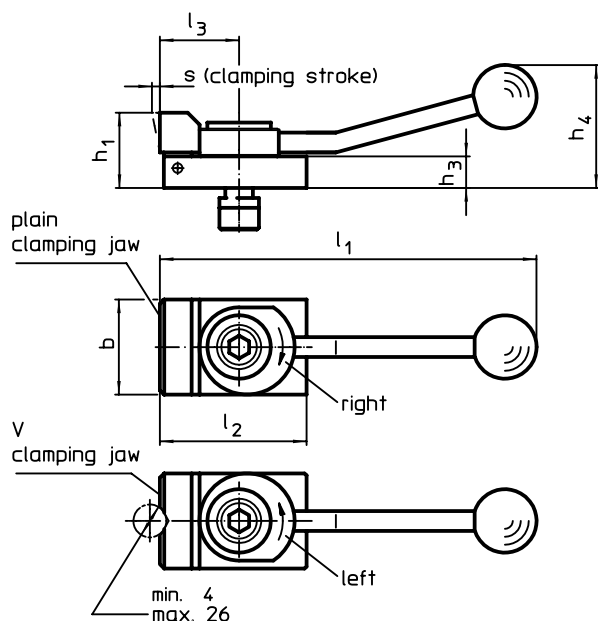
- Steel, case-hardened, blackened

MORE INFORMATION

Further products

Stops, cylindrical → p. 473

DRAWING



ORDER INFORMATION

T-slot size	d ₁	a	b	d ₂	h ₁	h ₂	h ₃	h ₄	h ₅	l ₁	l ₂	l ₃	s	Clamping force horizontal max.	Art. No.
[mm]														[kN]	
with flat clamping jaw, clamping to the right															
10	M 8	9.6	32	8.4	20	30	8	40	12.6	132	50	32	3	3.5	23210.0101
12	M12	11.6	48	12.5	38	63	16	62	–	190	72	40	4	7.0	23210.0321
14	M12	13.6	48	12.5	38	40	16	62	19.1	190	72	40	4	7.0	23210.0341
with flat clamping jaw, clamping to the left															
10	M 8	9.6	32	8.4	20	30	8	40	12.6	132	50	32	3	3.5	23210.0105
12	M12	11.6	48	12.5	38	63	16	62	–	190	72	40	4	7.0	23210.0325
14	M12	13.6	48	12.5	38	40	16	62	19.1	190	72	40	4	7.0	23210.0345
with V-clamping jaw, clamping to the right															
10	M 8	9.6	32	8.4	20	30	8	40	12.6	132	50	32	3	3.5	23210.0102
12	M12	11.6	48	12.5	38	63	16	62	–	190	72	40	4	7.0	23210.0322
14	M12	13.6	48	12.5	38	40	16	62	19.1	190	72	40	4	7.0	23210.0342
with V-clamping jaw, clamping to the left															
10	M 8	9.6	32	8.4	20	30	8	40	12.6	132	50	32	3	3.5	23210.0106
12	M12	11.6	48	12.5	38	63	16	62	–	190	72	40	4	7.0	23210.0326
14	M12	13.6	48	12.5	38	40	16	62	19.1	190	72	40	4	7.0	23210.0346

Down-Hold Clamps • without clamping lever

EH 23210.



PRODUCT DESCRIPTION

By tightening the ball-ended thrust screw the workpiece is simultaneously pressed towards the stops and fixture plate. The favourable leverage enables high horizontal clamping forces. When using T-Nuts EH 23010. / EH 23020. (DIN 508) they can also be applied to other slot sizes.

Material

- Steel, case-hardened, blackened, ground

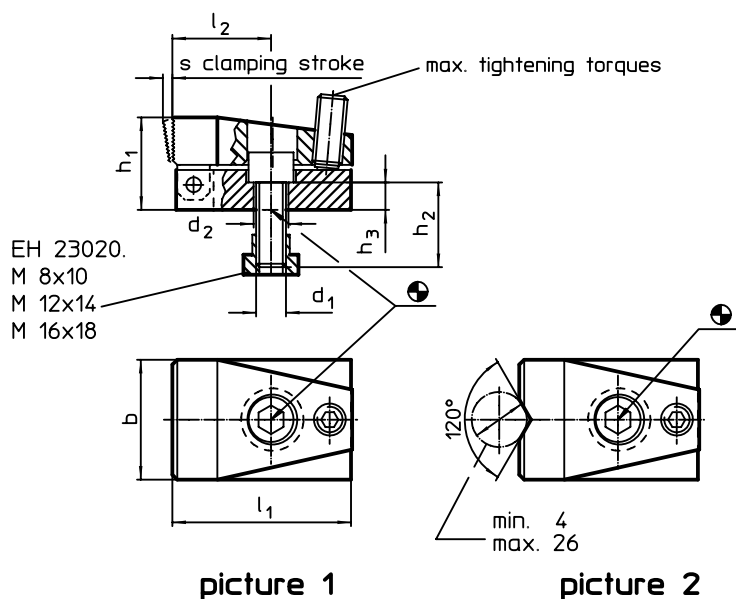
MORE INFORMATION

Further products

Nuts for T-Slots, DIN 508 → p. 384

Nuts for T-Slots, extended. → p. 388

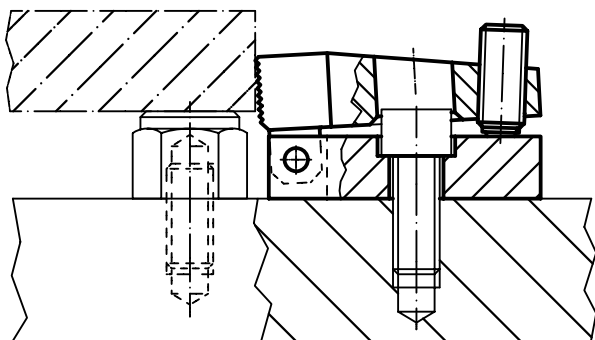
DRAWING



ORDER INFORMATION

T-slot size	d ₁	d ₂	b	Dimensions						Clamping force horizontal max.	Tightening torque max.		Art. No.
[mm]				h ₁	h ₂	h ₃	l ₁	l ₂	s	[kN]	[Nm]	[g]	
with flat clamping jaw – picture 1													
10	M 8	8.4	32	24	20	8	52	28	3	7.0	3	265	23210.0501
14	M12	12.5	48	37	30	11	72	40	4	15.0	9	838	23210.0521
18	M16	16.5	68	47	35	13	86	41	7	21.5	20	1760	23210.0541
with V-clamping jaw – picture 2													
10	M 8	8.4	32	24	20	8	52	28	3	7.0	3	266	23210.0502
14	M12	12.5	48	37	30	11	72	40	4	15.0	9	829	23210.0522
18	M16	16.5	68	47	35	13	86	41	7	21.5	20	1730	23210.0542

APPLICATION EXAMPLE



Down-Hold Clamps • without clamping lever, with support

EH 23210.



PRODUCT DESCRIPTION

By tightening the ball-ended thrust screw the workpiece is simultaneously pressed towards the stops and fixture plate. The favourable leverage enables high horizontal clamping forces. When using T-Nuts EH 23010. / EH 23020. (DIN 508) they can also be applied to other slot sizes.

Material

- Steel, case-hardened, blackened, ground

rest buttons EH 22690., self-aligning pads
EH 22730. / EH 22740.

MORE INFORMATION

References

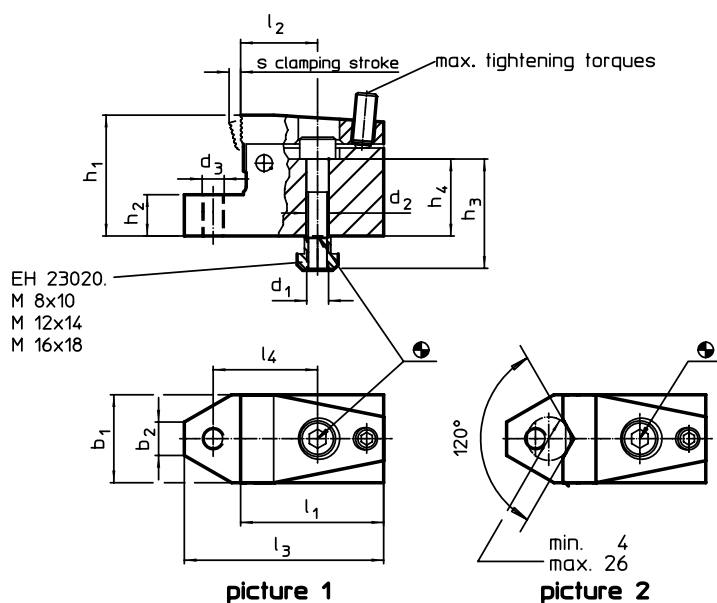
The integrated support is equipped with a locating thread to fit for example screwed

Further products

Nuts for T-Slots, DIN 508 → p. 384

Nuts for T-Slots, extended → p. 388

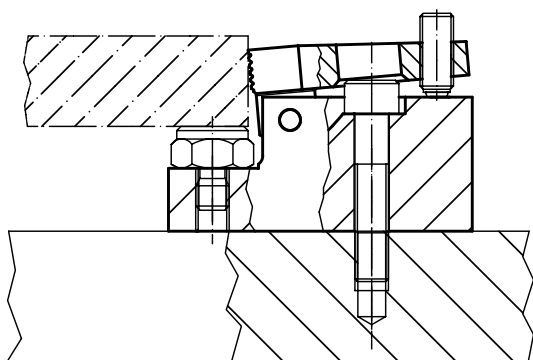
DRAWING



ORDER INFORMATION

T-slot size	d ₁	d ₂	d ₃	b ₁	b ₂	h ₁	Dimensions								Clamping force horizontal max.	Tightening torque max.		Art. No.
[mm]							h ₂ ±0.01	h ₃ ~	h ₄ ~	l ₁	l ₂	l ₃	l ₄	s	[kN]	[Nm]	[g]	
with flat clamping jaw – picture 1																		
10	M 8	8.4	M 8	32	12.1	44	15	40	28	52	28	72.5	38	3	7.0	3	566	23210.0551
14	M 12	13.0	M 12	48	16.0	53	15	45	27	72	40	100.0	55	4	15.0	9	1349	23210.0561
18	M 16	17.0	M 16	68	18.8	72	20	60	38	86	41	126.0	63	7	21.5	20	3000	23210.0571
with V-clamping jaw – picture 2																		
10	M 8	8.4	M 8	32	12.1	44	15	40	28	52	28	72.5	38	3	7.0	3	571	23210.0552
14	M 12	13.0	M 12	48	16.0	53	15	45	27	72	40	100.0	55	4	15.0	9	1340	23210.0562
18	M 16	17.0	M 16	68	18.8	72	20	60	38	86	41	126.0	63	7	21.5	20	3000	23210.0572

APPLICATION EXAMPLE



Holding Plates • for down-hold clamps
EH 23210.



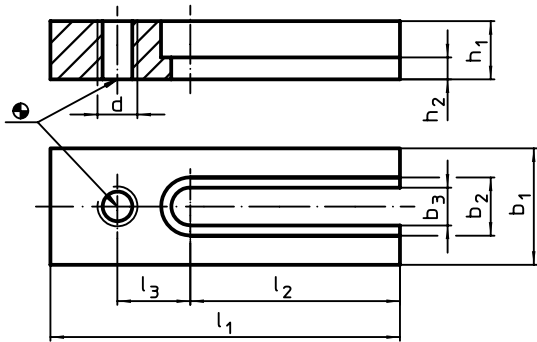
PRODUCT DESCRIPTION

By using the holding plates, the down-hold clamps can also be placed in any desired position across the T-slots.

Material

- Heat-treated steel, tempered, blackened

DRAWING



ORDER INFORMATION

Dimensions									For down-hold clamps		Art. No.
b ₁	b ₂	b ₃	d	h ₁ -0.4	h ₂	l ₁	l ₂	l ₃			
[mm]									[mm]	[g]	
30	15	9	M 8	15	6.5	100	63	20	M 8	243	23210.0730
40	20	13	M12	20	7.5	120	72	25	M12	515	23210.0740
60	26	17	M16	30	13.0	140	80	30	M16	1456	23210.0760
80	32	21	M20	40	18.0	200	110	50	–	3900	23210.0770
90	38	25	M24	50	24.0	220	130	55	–	5850	23210.0780

APPLICATION EXAMPLE

