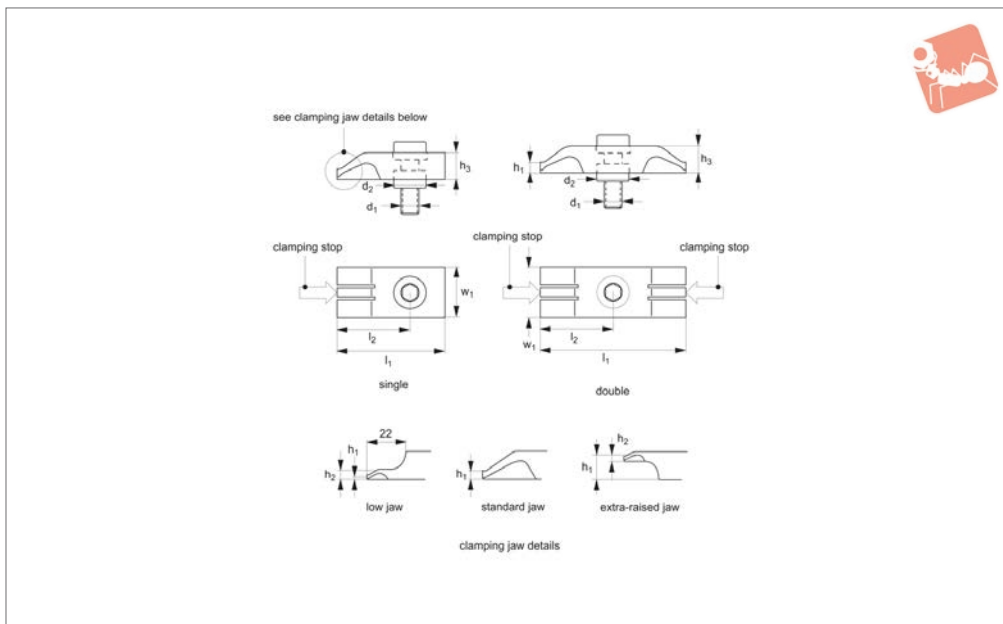




1.0 Ton Fixed Stops for 1 ton finger clamps

Heavy-Duty Side Clamping



11082

HEAVY-DUTY SIDE CLAMPING

Material

Hardened steel, with spring steel clamping element.

Technical Notes

A low height, very powerful compact clamp stop.

Tips

Supplied with clamping screw and Ø18 centering bush. When used longitudinally along a T-slot it is advisable to use anti-slip T-nuts or additional stops to resist the force exerted by the clamping element.

For use with part nos. 11080 and 11081.

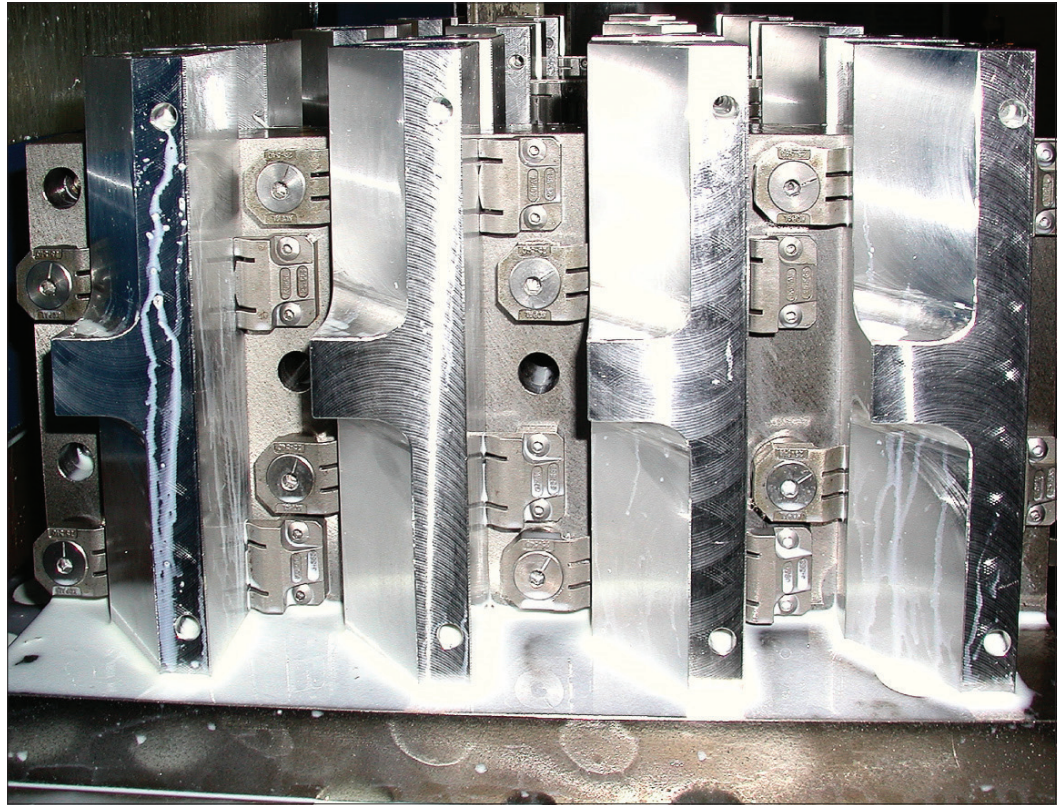
Fitting instruction:
Tap M10/M12 counterbore 18,00 (H7) with depth 5mm.

Order No.	Type	Jaw height h_1	Jaw type	w_1	d_1	d_2	h_2	h_3	l_1	l_2
11082.W0140	Single	4.7	Standard	28	M10	18	-	15	60	40
11082.W0141	Single	4.7	Standard	28	M12	18	-	15	60	40
11082.W0142	Single	13.5	Extra-raised	28	M10	18	2.5	15	60	40
11082.W0143	Single	2.5	Low	28	M10	18	6	15	60	40
11082.W0144	Single	2.5	Low	28	M12	18	6	15	60	40
11082.W0145	Double	6.0	Standard	28	M10	18	-	15	80	40
11082.W0147	Double	6.0	Standard	28	M12	18	-	15	80	40





Application



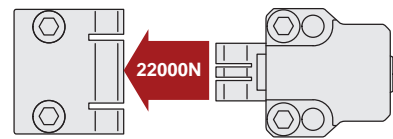
HEAVY-DUTY SIDE CLAMPING

Unique Horizontal Clamping Set-Ups

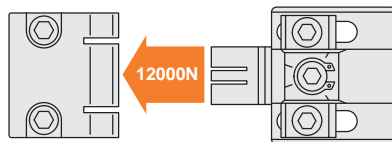
Part No. 10900, 10920, 10940
T-slot table and special machining set-ups



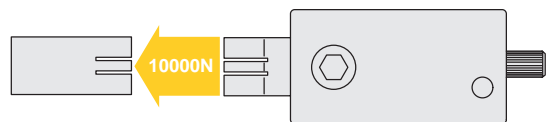
Part No. 11040, 11041, 11042, 11043
Supports and special machining set-ups



Part No. 11070, 11071
Supports and special machining set-ups



Part No. 11080, 11081, 11083
T-slot table, supports and special machining set-ups



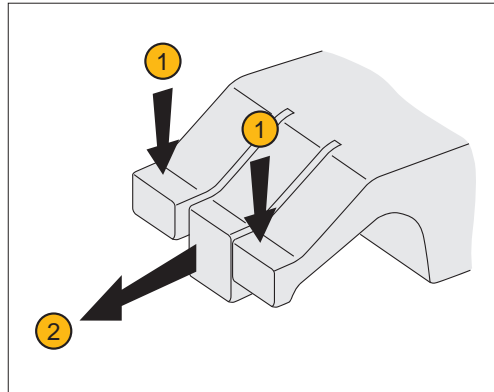


Unique Action - "three finger" Clamping

Our horizontal clamps have a unique "three finger" arrangement ensuring components are both pulled down and clamped in the same motion. The face of the clamp is made of three parts or "fingers":

- Two outer flexible fingers (1); for pulling down the component to the work table.
- One solid central finger (2), to provide direct clamping action.

Available in two styles – smooth and serrated face. They can also cater for workpieces with an adverse angle on the clamping face – for example flame cut steel blanks.



Pull down AND clamp with the highest of clamping forces – from 0,4 tons to 2,2 tons!

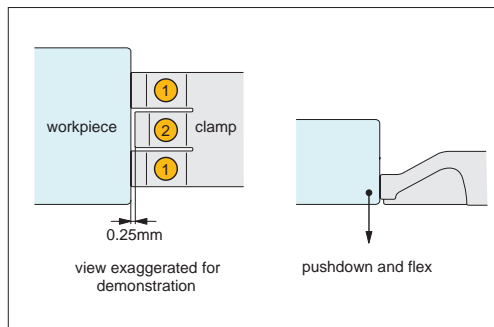
Used in our clamping series:

10900, 10940, 10880,
10920, 11040, 11041,
11042, 11043, 11070,
11071, 11080, 11081,
11082, 11083

Clamping Action

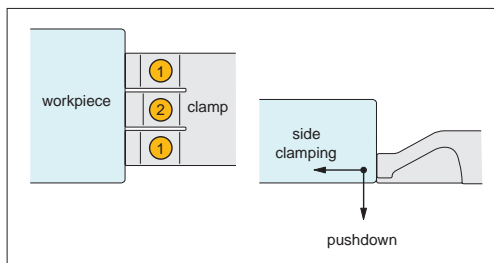
The clamps outer flexible fingers (1) are approx. 0,25mm longer than the solid central finger/clamping stop (2), this slight difference in length means it is the flexible fingers which first come into contact with the workpiece.

As initial contact is made with the work-piece the flexible fingers (1) apply downward pressure forcing the workpiece down against the work table, the flexible fingers are compressed until they are the same length as the solid central finger/clamping stop (2).



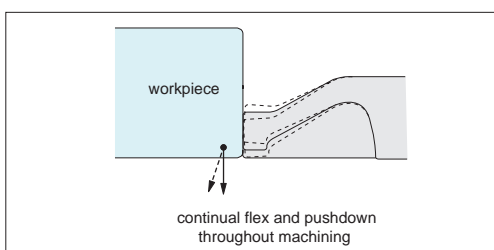
Contact

As the solid central finger/clamping stop (2) comes into contact with the work-piece it applies high side clamping pressure to achieve clamping forces up to 2,2 tons (dependent upon clamping model selected).



Clamping

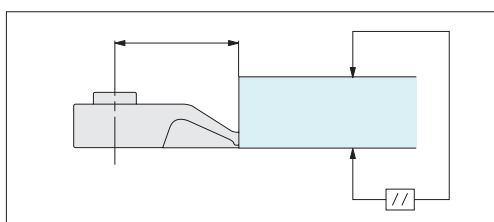
During machining the uniquely designed flexible fingers (1) continue to flex and twist applying downward pressure to keep the workpiece flat to the work table throughout.



Machining

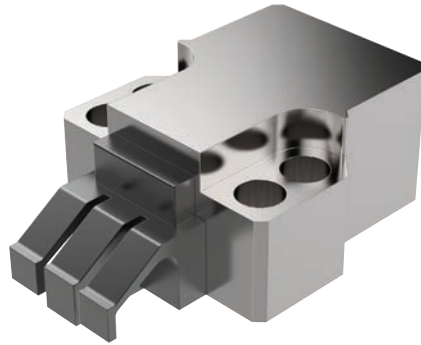
Precision Positioning

The unique clamping action achieves precision positioning of workpieces – ensuring the workpiece remains parallel to the reference surface.



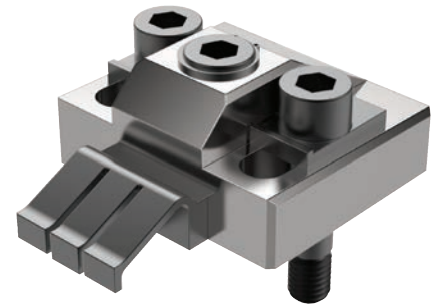


Clamping Torque



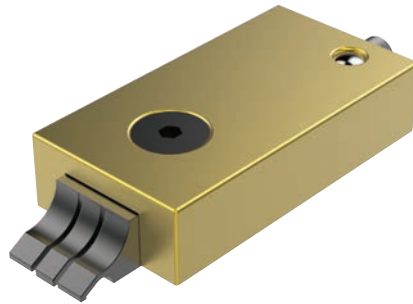
11040/CL2040

Clamping Torque N/m	Clamping Force N
50	23000
40	18000
30	12500
25	11500
20	9500



11070/CL2070

Clamping Torque N/m	Clamping Force N
60	16500
50	15000
40	12000
30	10000
25	8000
20	7000



11081/CL2081

Clamping Torque N/m	Clamping Force N
5	6600
4.5	5500
4	4900



10940/CL0030

Clamping Torque N/m	Clamping Force N
8.5	4000
8	3800
7	3400
6	3000
5	2500
4	2000