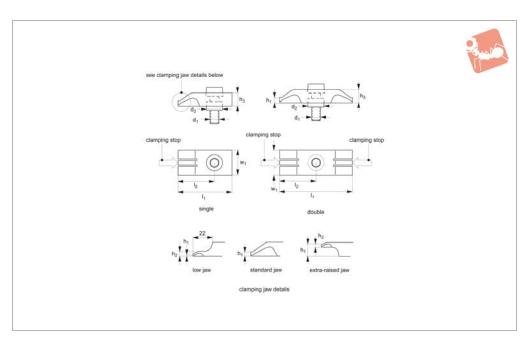


1.0 Ton Fixed Stops for 1 ton finger clamps







11082

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 antislip 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	I_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



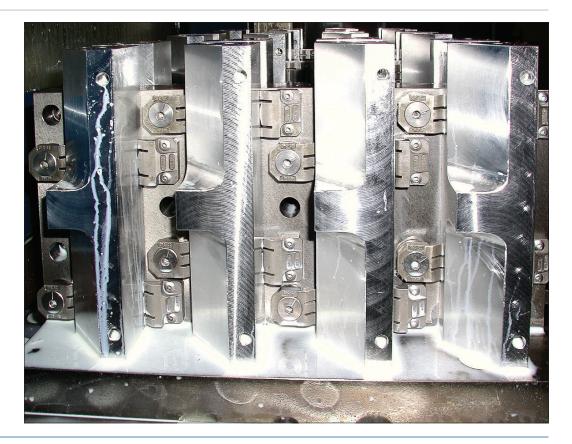


Mini Finger Clamps Application

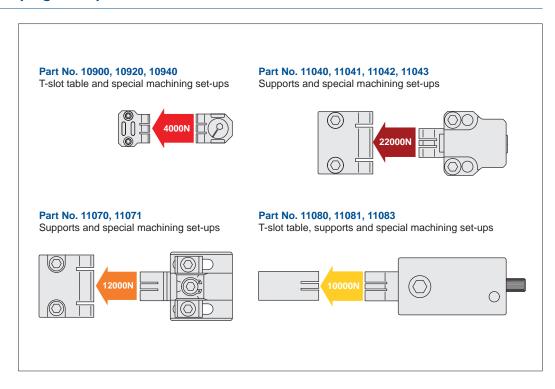


Application

HEAVY-DUTY SIDE CLAMPING



Unique Horizontal Clamping Set-Ups



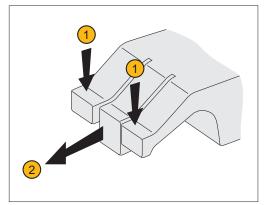


Unique Action - "three finger" Clamping

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!

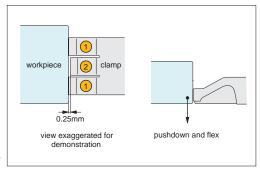
Used in our clamping series:

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

Clamping Action

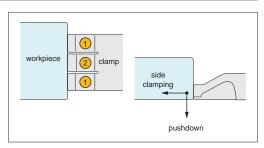
The clamps outer flexible fingers 1 are approx. 0,25mm longer than the solid central finger/clamping stop 2, this slight difference in length means it is the flexible fingers which first come into contact with the workpiece.

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.



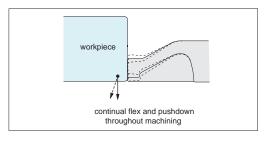
Contact

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

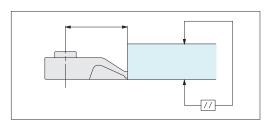
During machining the uniquely designed flexible fingers 1 continue to flex and twist applying downward pressure to keep the workpiece flat to the work table throughout.



Machining

Precision Positioning

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





HEAVY-DUTY SIDE CLAMPING



Clamping Torque



11040/CL2040				
Clamping Torque	Clamping Force			
N/m	N			
50	23000			
40	18000			
30	12500			
25	11500			
20	9500			



11070/CL2070				
Clamping Torque	Clamping Force			
N/m	N			
60	16500			
50	15000			
40	12000			
30	10000			
25	8000			
20	7000			



11081/CL2081				
Clamping Torque	Clamping Force			
N/m	N			
5	6600			
4.5	5500			
4	4900			



10940/CL0030				
Clamping Torque	Clamping Force			
N/m	N			
8.5	4000			
8	3800			
7	3400			
6	3000			
5	2500			
4	2000			

