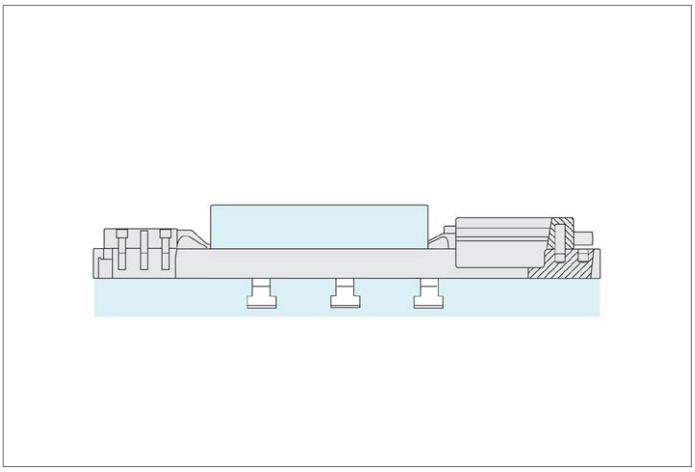
11085

Material
Support bar: steel, hardened, with ground faces.
Clamping jaws: spring steel.
Body: aluminium.

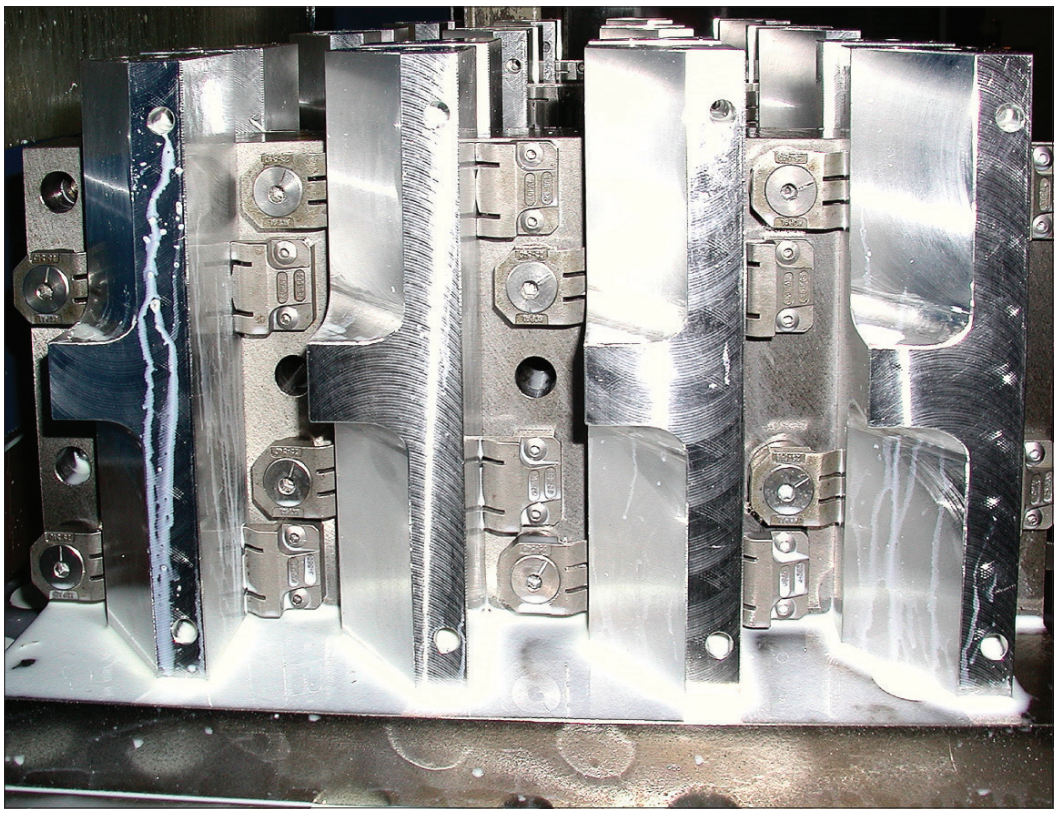
Tips
Maximum workpiece capacity 232mm when used as a single vice.
Supplied with M12 mounting screws.

Order No.	Type	Rail	Clamp body	Clamp jaw	Fixed clamp
11085.W0455	Set	1 pc 11086.W0040	1 pc 11080.W0090	1 pc 11080.W0610	1 pc 11083.W0125



Mini Finger Clamps Application

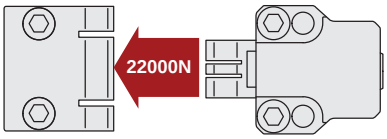
Application



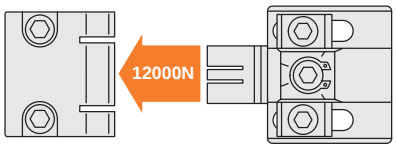
Unique Horizontal Clamping Set-Ups

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

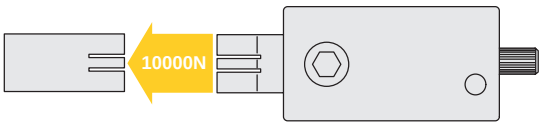
Part No. 11040, 11041, 11042, 11043
Supports and special machining set-ups



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



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



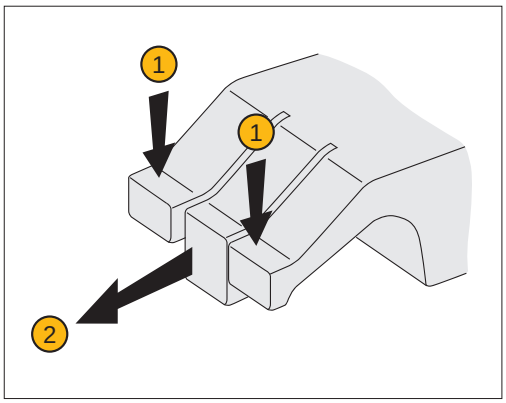
ov-W10920-A-T-W10940-b-Inh - Updated - 20-10-2022

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:

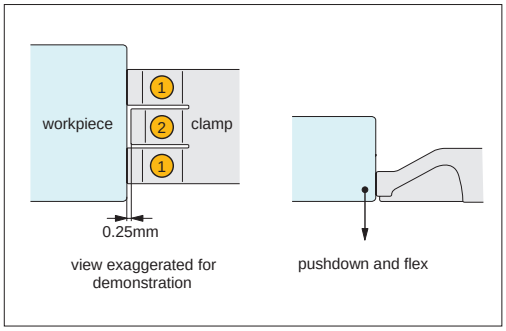
10900, 10940, 10880, 10920, 11040, 11041, 11042, 11043, 11070, 11071, 11080, 11081, 11082, 11083

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.

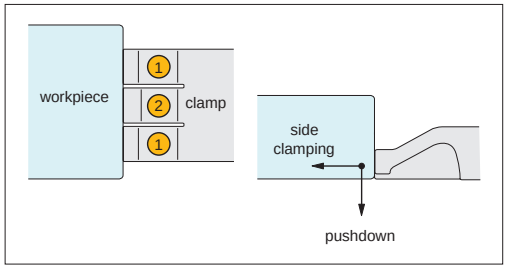
As initial contact is made with the work-piece the flexible fingers (1) apply downward pressure forcing the workpiece down against the work table, the flexible fingers are compressed until they are the same length as the solid central finger/clamping stop (2).

Contact



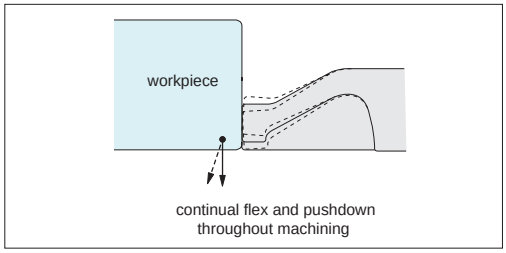
As the solid central finger/clamping stop (2) comes into contact with the work-piece it applies high side clamping pressure to achieve clamping forces up to 2,2 tons (dependent upon clamping model selected).

Clamping



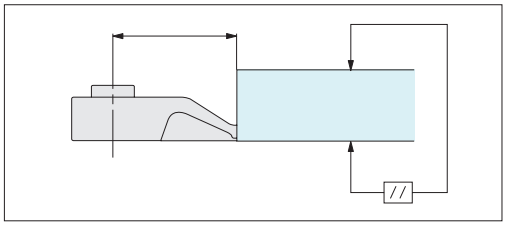
During machining the uniquely designed flexible fingers (1) continue to flex and twist applying downward pressure to keep the workpiece flat to the work table throughout.

Machining



Precision Positioning

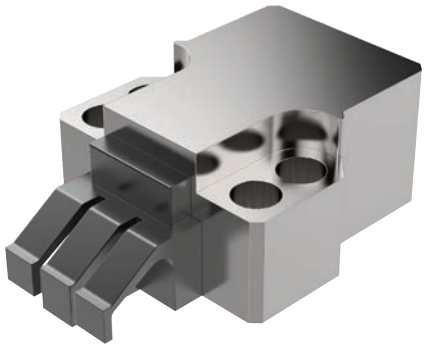
The unique clamping action achieves precision positioning of workpieces – ensuring the workpiece remains parallel to the reference surface.



Horizontal Clamping

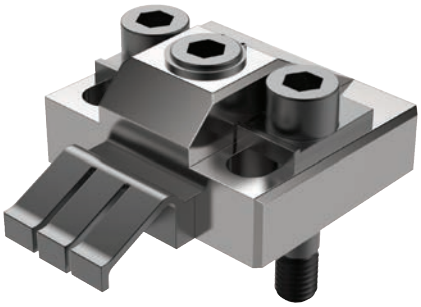
up to 2.2 tons

Clamping Torque



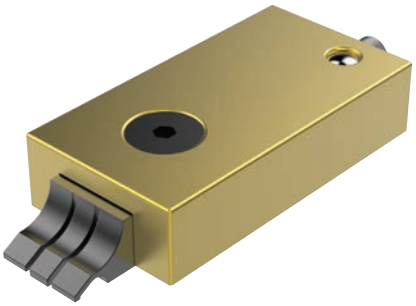
11040/CL2040

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