

Angle Plates

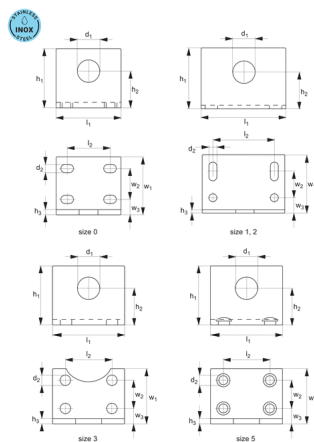
stainless steel - for no's. 41840 and 41890

Stainless Steel Toggle Clamps



41880.4

STAINLESS STEEL TOGGLE CLAMPS



Material

Stainless steel (AISI 304, 1.4301), polished.

Technical Notes

The increased height of the centre line

allows a wide range of applications. Fastening by means of four screws.

For use with toggle clamp nos. 41840.

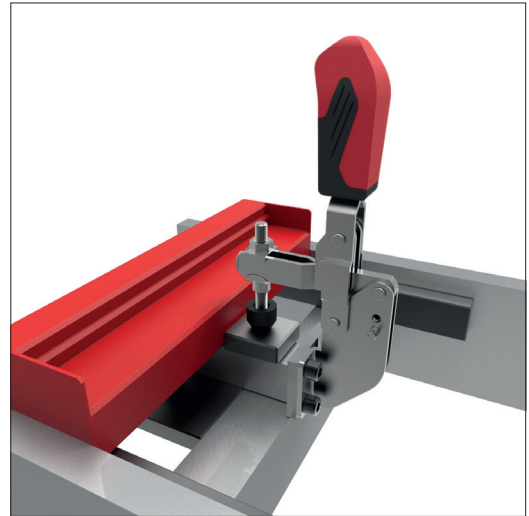
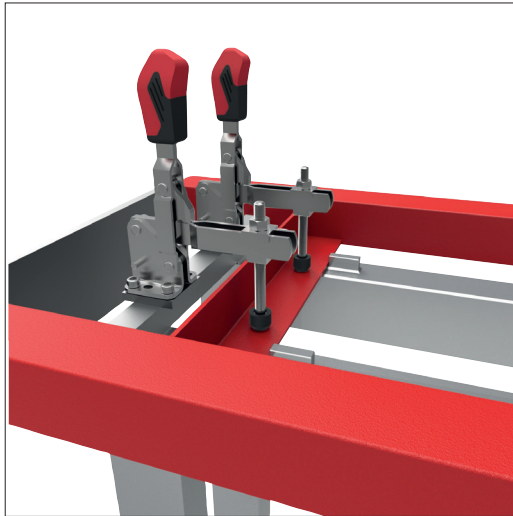
W0002- .W0005 and 41890.W0000- .

W0003.

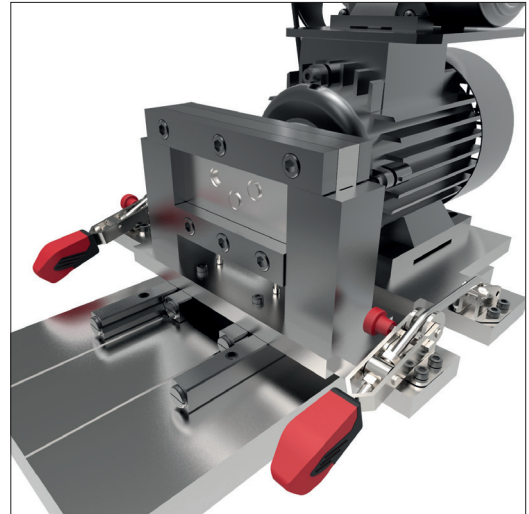
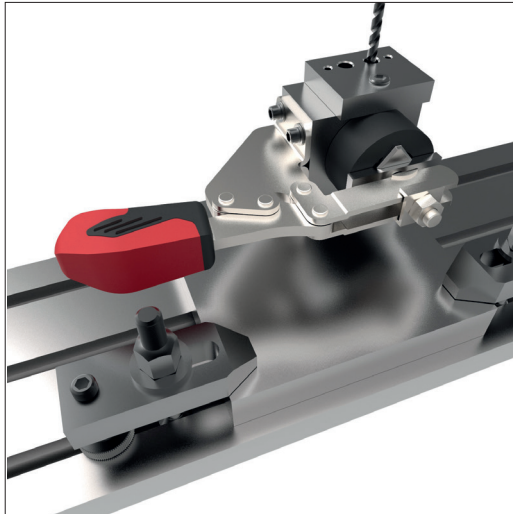
Order No.	Size	h_1	h_2	h_3	l_1	l_2	w_1	w_2	w_3	d_1	d_2	Weight g
41880.W0300	0	23	13	3	30	15,5-20,5	30	16	9.0	10.2	4.5	35
41880.W0302	2	40	24	5	60	40.0	40	18	11.0	16.2	6.7	170
41880.W0303	3	50	33	6	65	41.0	44	19	14.5	20.2	6.7	260
41880.W0305	5	60	37	8	70	45.0	60	32	17.0	24.0	9.0	480



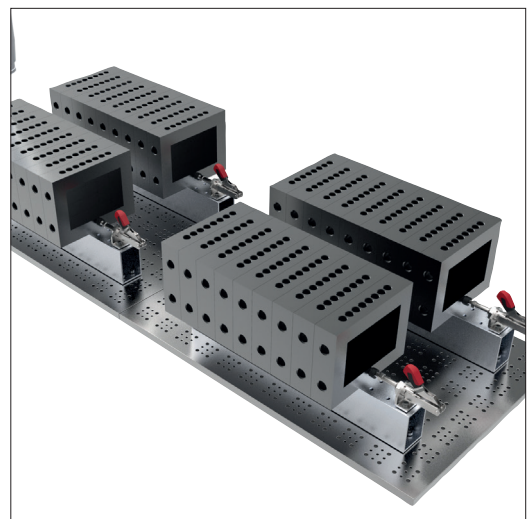
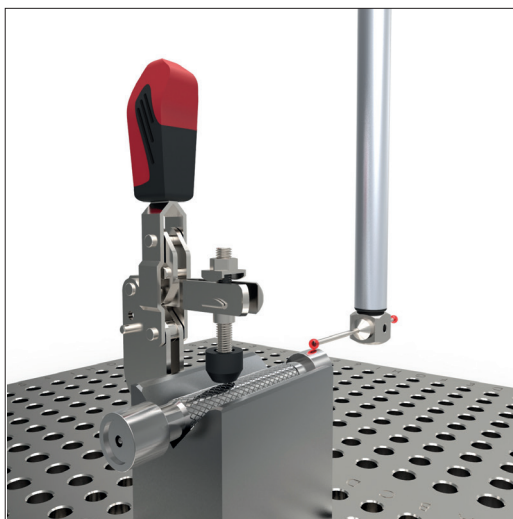
Welding Fixtures



Machining and Jig Assemblies

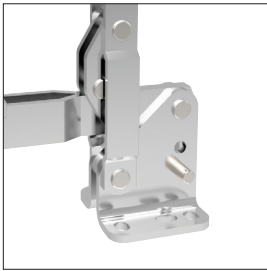


Cmm's

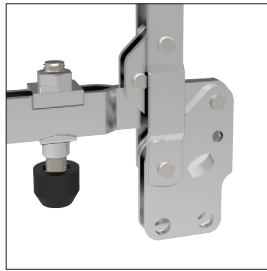




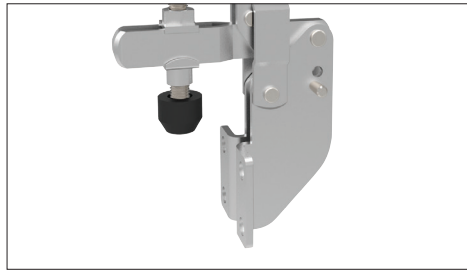
Mounting Base Variations



Horizontal base



Vertical base



Angled base

Clamping Variations



Vertical acting



Horizontal acting



Push-pull



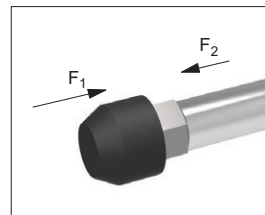
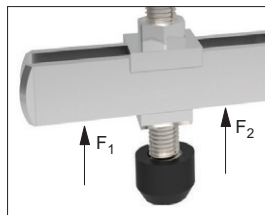
Hook type



Latch type

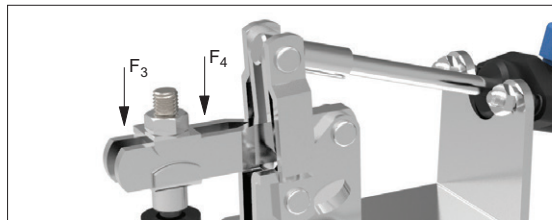
Explanation of forces

The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F_1 and F_2 are provided).



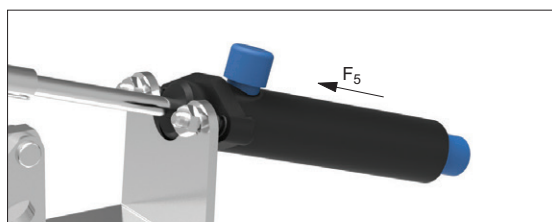
Holding Forces F_1 or F_2

The force applied to the workpiece when the toggle clamp's arm is closed. These clamping forces can only be stated for pneumatic toggle clamps, clamping forces of manual clamps cannot be easily measured as they are dependent upon the operator.



Clamping Forces F_3 or F_4

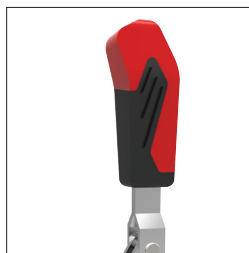
For pneumatically controlled toggle clamps only, F_5 is the piston force required (at 6 bar to) achieve the stated clamping force.



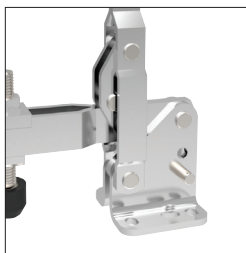
Piston Forces F_5



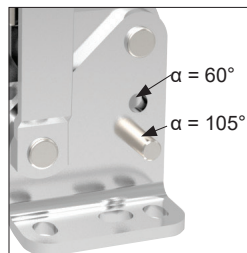
Quality Features



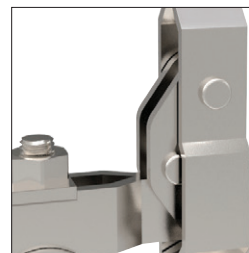
Ergonomic soft grip
2-component handle



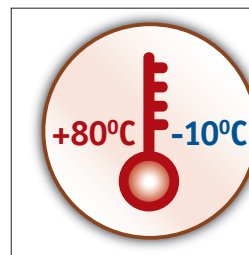
Stainless rivets and
hardened bushings



Moveable stop for
variable opening angle



Operator
finger protection



Temperature resistant

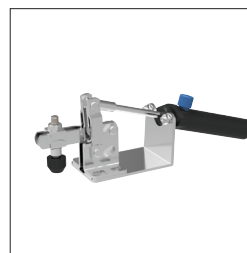
Unique Features



Safety catches



Heavy duty versions



Pneumatic versions



Matt black surface for
optical measurement

Materials



Steel, zinc plated
and passivated



Stainless steel (304)



Steel, matt black
vario-spektron coated



Protective cap and
handle made of an
electrostatic conductive
(dissipative) material.