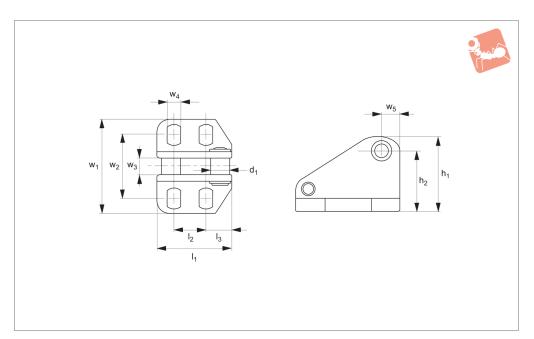


Fixed Catch for nos. 41600 and 41700

Steel Toggle Clamps





41740.1

Material

Body: steel, zinc plated. Rivets: stainless steel running in case hardened bushes.

Technical Notes

For use with no. 41600 and 41700.W0001 - .W0005.

Tips

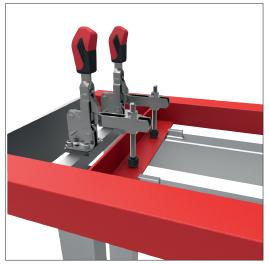
For stainless steel version see part no. 41740.W0311 - .W0315.

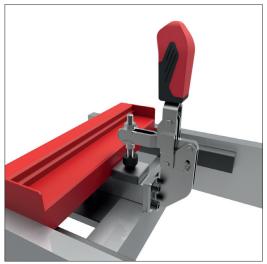
Order No.	Size	h_1	d_1	h ₂	I_1	l ₂	l ₃	w_1	W_2	w_3	W_4	w_5	Weight g
41740.W0011	1	29	8	22.7	31	19	6	40	26,0-30,0	6.9	4.5	6	40
41740.W0013	3	29	10	22.7	40	19	13	45	31,3-35,8	10.9	5.5	6	70
41740.W0015	5	61	15	49.1	55	29	13	86	56,5-64,0	13.8	11.2	12	320





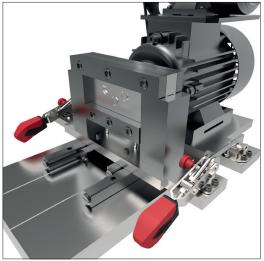
Welding Fixtures



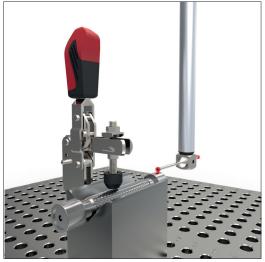


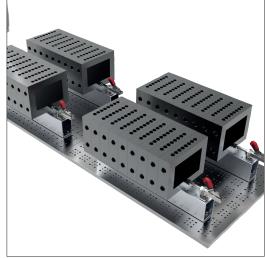
Machining and Jig Assemblies





Cmm's





Wixroyd Toggle Clamps

overview





Mounting Base Variations

Horizontal base

Vertical base

Angled base







Clamping Variations

Vertical acting

Horizontal acting

Push-pull



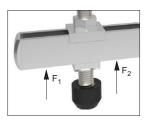


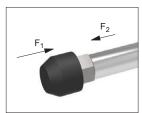
Hook type

Latch type

Explanation of forces

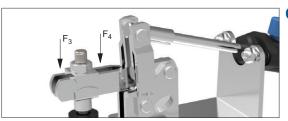
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





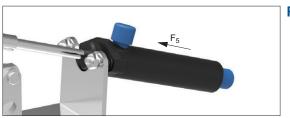
Holding Forces F₁ or F₂

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 F₃ or F₄

For pneumatically controlled toggle clamps only, F5 is the piston force required (at 6 bar to) achieve the stated clamping force.



Piston Forces F₅



ov-W40000,1-A-T-W42070-A-T-b-rnh- Updated -27-10-2022



Quality Features



Ergonomic soft grip 2-component handle



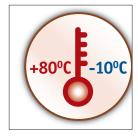
Stainless rivets and hardened bushings



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.