



41600

Material

Body: steel, zinc plated.

Rivets: stainless steel running in hardened bushes. Pre-lubricated bearings (grease suitable for food industry use).

Handle: oil-resistant plastic handle with large grip area.

Technical Notes

The safety knob locks the clamp in the

closed position. This prevents opening under vibration or inadvertent movement of the clamping arm when loading or unloading a fixture.

Pull out the safety knob to release the clamp.

The h₂ engagement height (23mm) must be adhered to, ensure safety knob functionality.

The length of the hook is adjustable up to 12mm. Adjustment is made by rotating the threaded hook to extend or contract its reach.

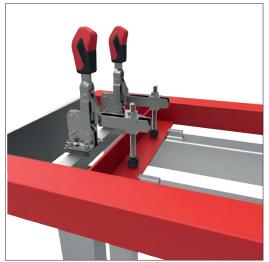
Use counter strike 41740.W0013, order separately.

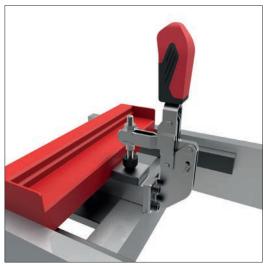
Temperature range -10 $^{\circ}$ C to +80 $^{\circ}$ C.

Order No.	Size	F ₁ kN	h_1	h ₂	h ₃	I_1		l ₂	l ₃	Weight g
41600.W0003	3	3	38	23	181	240)	41-50	98	295
Order No.	I ₄	I ₅	I ₆	I ₇	l ₈	w_1	W_2	w_3	d_1	d_2
41600.W0003	67-76	151	74-83	19	40	38.5	45	32-36	7.1	5.6



Welding Fixtures



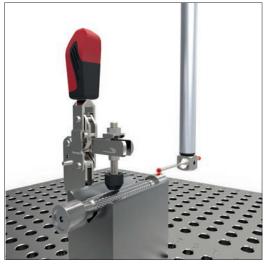


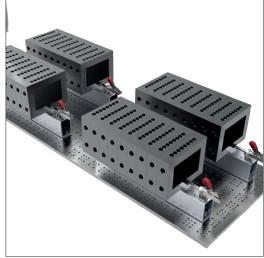
Machining and Jig Assemblies





Cmm's





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

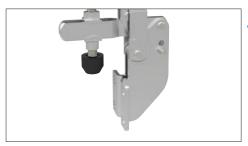


Wixroyd Toggle Clamps

overview







Mounting Base Variations

Horizontal base

Vertical base

Angled base

Push-pull





Horizontal acting



Clamping Variations

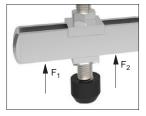
Vertical acting

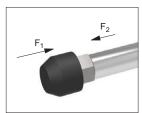
Hook type

Latch type

Explanation of forces

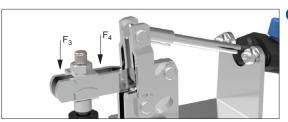
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





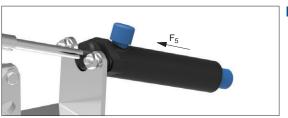
Holding Forces F1 or F2

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



Wixroyd Toggle Clamps

overview



Quality Features

SAFETY LEVER TOGGLE CLAMPS



Ergonomic soft grip 2-component handle



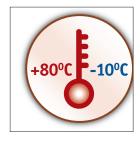
Stainless rivets and hardened bushings



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.