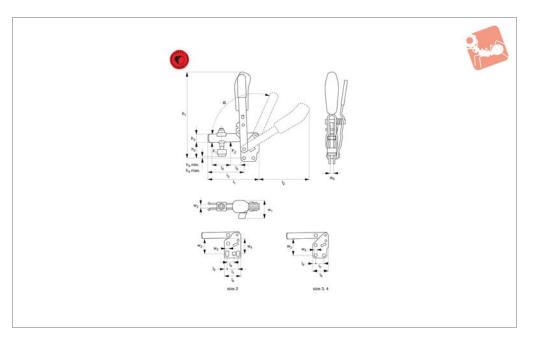


Vertical Acting Toggle Clamps safety lever - open arm - vertical base

Safety Lever Toggle Clamps





40060.1

Material

Body: steel, zinc plated. Rivets: stainless steel running in hardened bushes. Prelubricated bearings (grease suitable for food industry use).

Ergonomic soft feel oil-resistant handle with large grip area.

Supplied complete with clamping screw

(with rubber pad).

Technical Notes

Ideal for mounting to struts and on welding jigs.

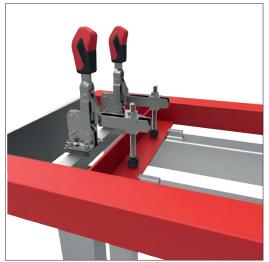
The safety lever holds the clamp in both the open and the closed position. This prevents opening under vibration or inadvertent movement of the clamping arm when loading or unloading a fixture. Opening angle (symbola/symbolsymbola/symbol*) can be changed by pressing in a stop pin on the clamp body. Temperature range -10°C to +80°C.

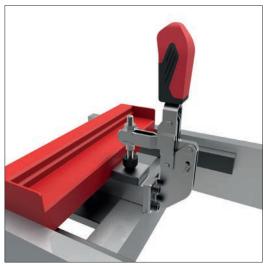
Order No.	Size	F ₁ kN	F ₂ kN	Clam	ping screw	h_1	h ₂	h ₃	h ₄ min.	h ₄ max.	I_1	l ₂	l ₃	Weight g
40060.W0002	2	1.0	1.2	M 6x35		154	38	12	11.5	19.5	78	89	52	175
40060.W0003	3	1.4	2.5	M 8x45		200) 48	18	10.0	18.5	111	114	79	470
40060.W0004	4	2.0	3.0	M 8x65		244	65	20	16.5	45.5	141	130	101	690
Order No.	l ₄	l ₅	l ₆	l ₇	l ₈	l ₉	w_1	W_2	w ₃	W_4	W_5	w_6	α	α_*
40060.W0002	25	11	32	20	12.5	6.0	37.5	6	28,5-32,0	30	5.5	5	105°	60°
40060.W0003	37	19	40	20	-	7.5	48.0	8	41.0	-	7.5	6	105°	60°
40060.W0004	54	16	53	32	-	13.0	53.0	10	55.5	-	8.6	8	105°	60°





Welding Fixtures



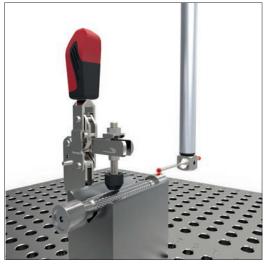


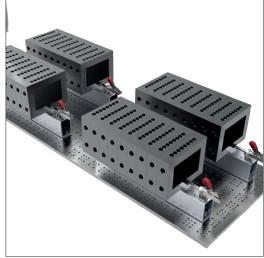
Machining and Jig Assemblies





Cmm's





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

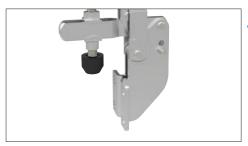


Wixroyd Toggle Clamps

overview







Mounting Base Variations

Horizontal base

Vertical base

Angled base

Push-pull





Horizontal acting



Clamping Variations

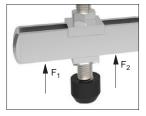
Vertical acting

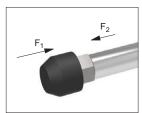
Hook type

Latch type

Explanation of forces

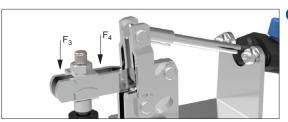
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





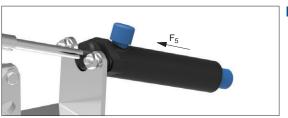
Holding Forces F1 or F2

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



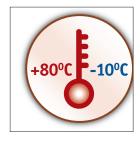
Stainless rivets and hardened bushings



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.