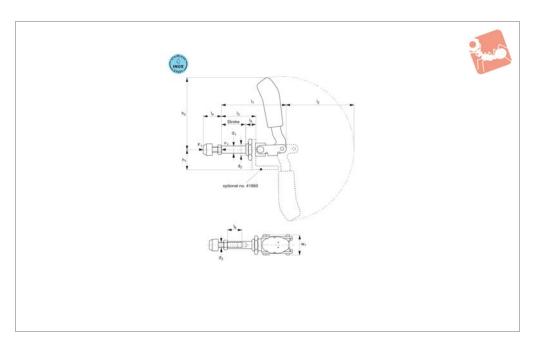


Push-Pull Toggle Clamps stainless steel - compact version

Stainless Steel Toggle Clamps





41840.4

Material

Body: stainless steel (AISI 304, 1.4301), polished.

Rivets: stainless steel running in hardened bushes. Pre-lubricated bearings.

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

Supplied complete with stainless clamping screw (with rubber pad).

Technical Notes

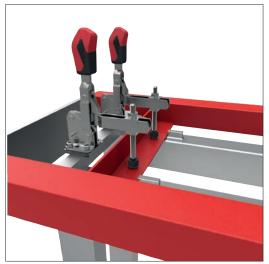
Compact vesrion with long rod guide. Temperature range -10°C to +80°C.

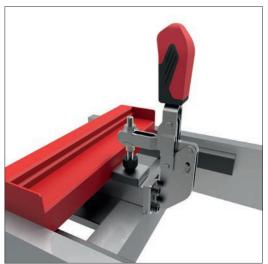
| Order No. | Size | F ₁ kN | F ₂ kN | Clamping screw | Stroke s ₁ | h_1 | h ₂ | I ₁ | I ₂ | Weight |
|-------------|----------------|------------------------|----------------------|-------------------|-----------------------|-------|----------------|----------------|----------------|--------|
| 41840.W0302 | 2 | 1.0 | 1.0 | M 6x25 | 21.5 | 24 | 73.0 | 68.5 | 69 | 130 |
| 41840.W0303 | 3 | 2.5 | 2.5 | M 8x35 | 40.0 | 33 | 120.5 | 108.0 | 115 | 320 |
| 41840.W0305 | 5 | 4.0 | 4.0 | M12x50 | 67.0 | 37 | 149.0 | 175.0 | 139 | 1200 |
| Order No. | l ₃ | l ₄ min. | l ₄ ma | x. I ₅ | I ₆ | w_1 | d_1 | d_2 | | d_3 |
| 41840.W0302 | 36 | 17 | 27. | 0 13 | 15 | 30.5 | 10 | M16x1,5 | | M 6 |
| 41840.W0303 | 57 | 22 | 37. | 5 16 | 25 | 33.0 | 12 | M20x1,5 | | M 8 |
| 41840.W0305 | 92 | 30 | 50. | 0 24 | 45 | 49.0 | 16 | M24x1,5 | | M12 |





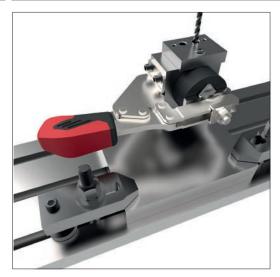
Welding Fixtures





Machining and Jig Assemblies

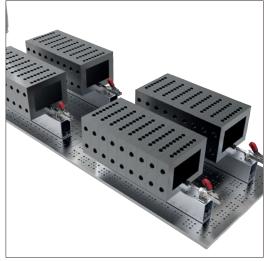
STAINLESS STEEL TOGGLE CLAMPS





Cmm's







Wixroyd Toggle Clamps

overview



Mounting Base Variations





Vertical base



Angled base



Vertical acting



Horizontal acting



Push-pull

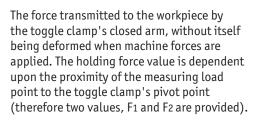


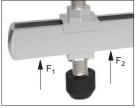
Hook type



Latch type

Explanation of forces

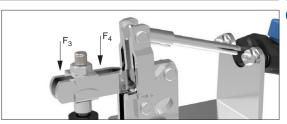




F₂

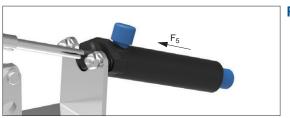
Holding Forces F₁ or F₂

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



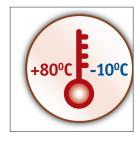
Stainless rivets and hardened bushings



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.