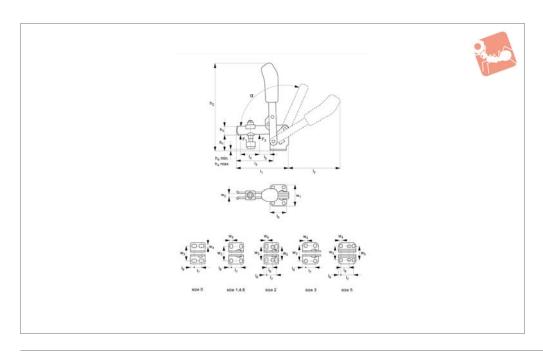


Vertical Acting Toggle Clamps open arm - horizontal base

Steel Toggle Clamps





40000.1

Material

Body: steel, zinc plated.

Rivets: stainless steel running in hardened bushes (sizes 2-6). Pre-lubricated 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

For fastening to mounting plates, etc. Opening angle (symbola/symbol/symbola/ symbol*) can be changed by pressing in a stop pin on the clamp body. Temperature range -10°C to +80°C.

Tips

This product is also available in stainless steel, matt black and ESD.

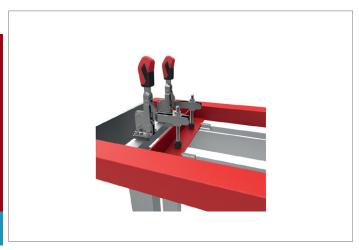
| Order No. | Size | F, | F_2 | | Clamping screv | w h ₁ | h_2 | h ₃ | ŀ | $h_4 h_4$ | Ι, | I, | 2 | Weight |
|-------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|-------|----------------|----------------|-------|------|--------|
| 0.40 | | kŇ | kŃ | | , G | 1 | 2 | 3 | | in. max. | 1 | | 2 | g |
| 40000.W0000 | 0 | 0.5 | 0.7 | | M 4x25 | 18.0 | 81 | 8 | -1 | 1.5 3.5 | 49 | 5 | 0 | 60 |
| 40000.W0001 | 1 | 0.6 | 1.1 | | M 5x30 | 19.0 | 98 | 10 | -4 | 1.0 2.0 | 61 | 5 | 8 | 105 |
| 40000.W0002 | 2 | 0.8 | 1.2 | | M 6x35 | 23.0 | 140 | 12 | -3 | 3.0 4.5 | 78 | 8 | 9 | 175 |
| 40000.W0003 | 3 | 1.2 | 2.5 | | M 8x45 | 33.0 | 186 | 18 | 2 | .0 11.0 | 112 | 11 | .2 | 410 |
| 40000.W0004 | 4 | 1.7 | 3.0 | | M 8x65 | 42.5 | 221 | 20 | -6 | 5.0 22.5 | 141 | 13 | 30 | 630 |
| 40000.W0005 | 5 | 3.0 | 5.0 | | M12x80 | 55.8 | 281 | 25 | -3 | 3.0 27.5 | 195 | 18 | 35 | 1480 |
| 40000.W0006 | 6 | 3.4 | 5.5 | | M12x110 | 81.0 | 333 | 30 | -2 | 2.5 55.0 | 231 | 20 |)6 | 2200 |
| Order No. | l ₃ | I ₄ | I ₅ | I ₆ | I ₇ | I ₈ | l ₉ | w_1 | W_2 | w ₃ | w ₄ | W_5 | α | α* |
| 40000.W0000 | 31.0 | 14 | 5.5 | 22 | 8,5-13,5 | - | 5.5 | 32 | 4 | 23.0 | 4.5 | - | 95° | - |
| 40000.W0001 | 39.0 | 18 | 6.0 | 27 | 16.0 | - | 5.5 | 34 | 5 | 22,5-26,0 | 4.5 | - | 95° | - |
| 40000.W0002 | 52.0 | 25 | 11.0 | 32 | 20.0 | 12.5 | 6.0 | 43 | 6 | 23,0-31,0 | 5.5 | 27 | 105° | 60° |
| 40000.W0003 | 79.0 | 37 | 19.0 | 35 | 20.0 | - | 7.5 | 46 | 8 | 32.5 | 7.5 | - | 105° | 60° |
| 40000.W0004 | 101.0 | 54 | 16.0 | 53 | 32.0 | - | 13.0 | 64 | 10 | 43,0-46,5 | 8.6 | - | 105° | 60° |
| 40000.W0005 | 140.0 | 73 | 34.0 | 65 | 45.0 | 26,5-31,5 | 9.5 | 70 | 14 | 45,0-50,0 | 8.5 | 45 | 115° | 60° |
| 40000.W0006 | 165.5 | 89 | 28.0 | 90 | 50.5 | - | 24.5 | 100 | 14 | 67,5-72,5 | 13.0 | - | 140° | 60° |



Steel Toggle Clamps

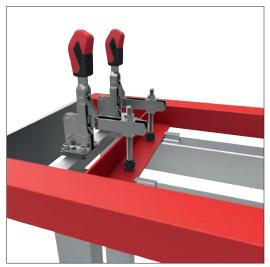
Vertical Acting Toggle Clamps open arm - horizontal base





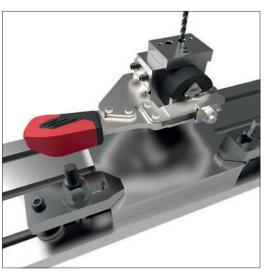






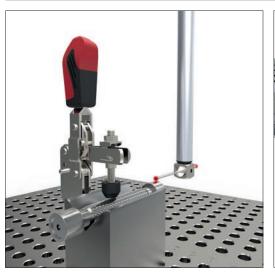


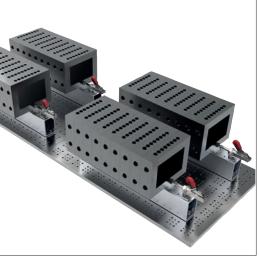
Welding Fixtures





Machining and Jig Assemblies





Cmm's



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



Mounting Base Variations



Horizontal base



Vertical base



Angled base

Clamping Variations



Vertical acting



Horizontal acting



Push-pull



Hook type

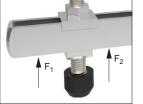


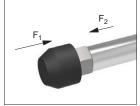
Latch type

Explanation of forces

Holding Forces F1 or F2

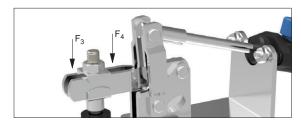
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





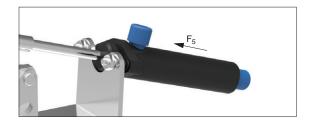
Clamping Forces F3 or F4

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.



Piston Forces F5

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







Wixroyd Toggle Clamps

overview

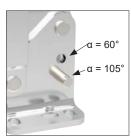
Quality Features



Ergonomic soft grip 2-component handle



Stainless rivets and hardened bushings



Moveable stop for variable opening angle



Operator finger protection



Temperature resistant



Safety catches



Heavy duty versions



Pneumatic versions



Matt black surface for optical measurement



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.

Materials

Unique Features