Vertical Toggle Clamps • with horizontal base 23330.0006



Product Description

Due to their favourable power to movement ratio and their easy action the toggle clamps are versatile applicable for a wide rang of uses.

These toggle clamps can be used in the metal working industry when drilling, welding, bending, grinding, testing and fitting as well as in the wood and plastic industry in glueing, drilling, cutting and milling jigs.

The "toggle" principle of the toggle clamp allows a large and quick opening of the clamp. If unclamped the workpieces are completely cleared for unimpeded removal. The large power transmission results maximum clamping force by low hand force. The clamps are self-arresting they remain locked, resisting the force produced when machining components. The toggle clamps are manufactured from high quality components and are designed for continuous use.

A oil resistant ergonomic 2-component handle, with increased grip area with soft surface for high ease of use.

The quickly adjustable clamping screws are provided by a retainer.

Material

Clamp

· Steel, zinc-plated by galvanization, passivated

Rivet

Stainless steel

Handle

plastic

Clamping screw

 Steel, tempered, zinc-plated by galvanization

Clamping cap

· Rubber, black

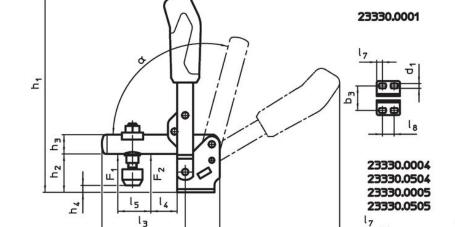
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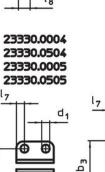
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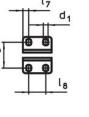
References

Replacement clamping screws are available as accessories in the online shop.



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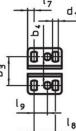


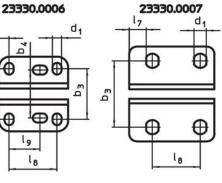


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Drawing

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Order information

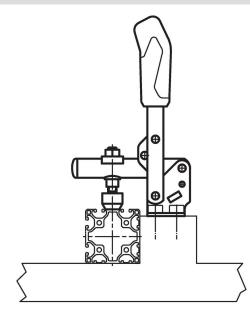
| | Clamping | Dimensions | Holding | α ¹⁾ | | Art. No. | | | |
|-------|----------|---|----------------|-----------------|----------|---------------|--|--|--|
| size | screw | $d_1 b_1 b_2 b_3 b_4 h_1 h_2 h_3 h_4 h_4 l_1 l_2 l_3 l_4 l_5 l_6 l_7 l_8 $ | force | mi | n.max | | | | |
| | | $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | ''' | 11.111a. | | | | |
| | [mm] | [mm] | [kN] | | [°C] [(| g] | | | |
| Steel | | | | | | | | | |
| 6 | M12 x 80 | 8.5 70 14 45 - 50 45 281 55.8 25 -3 27.5 195 185 140 34 73 65 9.5 45 26.4 | 6.5 – 31.5 3 5 | 115° -1 | 0 80 14 | 92 23330.0006 | | | |

 $^{1)}$ The opening angle of the handle can be changed to 60° by pressing in a stop pin.

Accessories

| Clamping screw (spare p | Dimensions d ₂ [mm] vart of toggle clamp), Steel | [9] | Art. No. |
|-------------------------|--|-------|------------|
| | M12 x 80 | 147.0 | 23330.9007 |

Application example



Compliance

RoHS compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

Does not contain SVHC substances

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 23.01.2024.

Does not contain Proposition 65 substances

No Proposition 65 substances included. https://www.P65Warnings.ca.gov/

Free from Conflict Minerals

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.