# 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

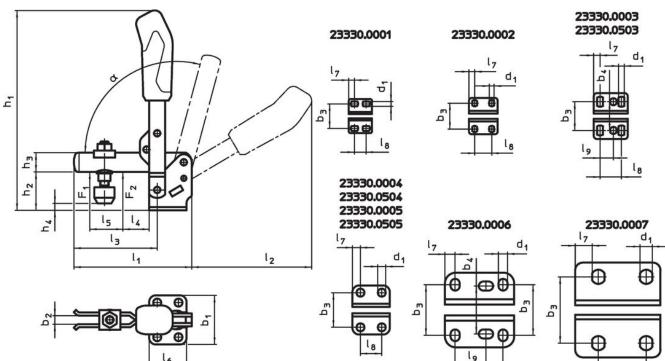
### **Clamping cap**

· Rubber, black

### More information

#### References

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



Drawing

18

### Order information

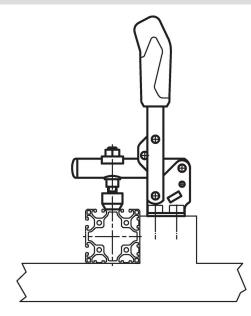
	Clamping	Dimensions	Holding	α <sup>1)</sup>		Art. No.			
size	screw	$d_1   b_1   b_2   b_3   b_4   h_1   h_2   h_3   h_4   h_4   l_1   l_2   l_3   l_4   l_5   l_6   l_7   l_8  $	force	mi	n.max				
		$\begin{array}{c c c c c c c c c c c c c c c c c c c $		'''	11.111a.				
	[mm]	[mm]	[kN]		[°C] [(	g]			
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  $60^\circ$  by pressing in a stop pin.

### Accessories

Clamping screw (spare p	Dimensions d <sub>2</sub> [mm] part 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.