

Vertical Toggle Clamps• with horizontal base

23330.0504



Product Description

Due to their favourable power to movement ratio and their easy action the toggle clamps are versatile applicable for a wide range 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 work pieces are completely cleared for unimpeded removal. The large power transmission results maximum clamping force by low hand force. The clamps are self-arresting when 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

- Stainless steel

Rivet

- Stainless steel

Handle

- Plastic

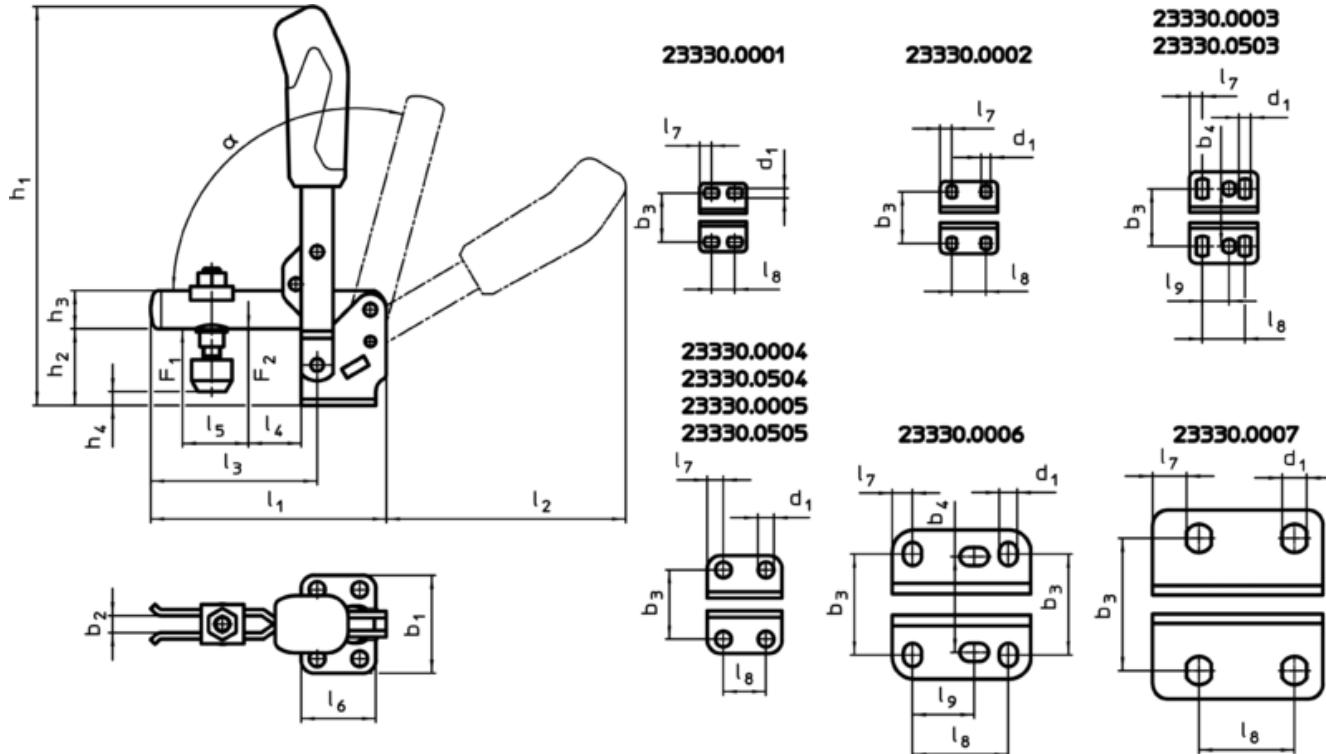
Clamping screw

- Steel, tempered, zinc-plated by galvanization

Clamping cap

- Rubber, black

Drawing



Order information

Nominal size	Dimensions														Holding force F_1 F_2 [kN]	$\alpha^1)$ min. max. [°C]			Art. No.		
	Clamping screw	d_1	b_1	b_2	b_3	h_1	h_2	h_3	h_4 min,max.	h_4	l_1	l_2	l_3	l_4	l_5	l_6	l_7	l_8			
Stainless steel																					
4	M8 x 45	7,5	46	8	32,5	186	33	18	2	11	112	112	79	19	37	35	7,5	20	1,2 2,5 105°	-10 80	410 23330.0504

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

Accessories

Dimensions d_2 [mm]	Art. No.	
Clamping screw, Stainless steel	M 8 x 45	
M 8 x 45	23330.9504	

Application example

