

Vertical Toggle Clamps with horizontal base and solid support arm

23330.0204



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 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 maintenance-free continuous use.

An oil resistant ergonomic 2-component handle, with slip-proof, soft surface and large grip area for high ease of use.

Material

Clamp

- Steel, zinc-plated by galvanization, passivated

Rivet

- stainless steel

Handle

- plastic

Clamping screw

- Steel, tempered, zinc-plated by galvanization

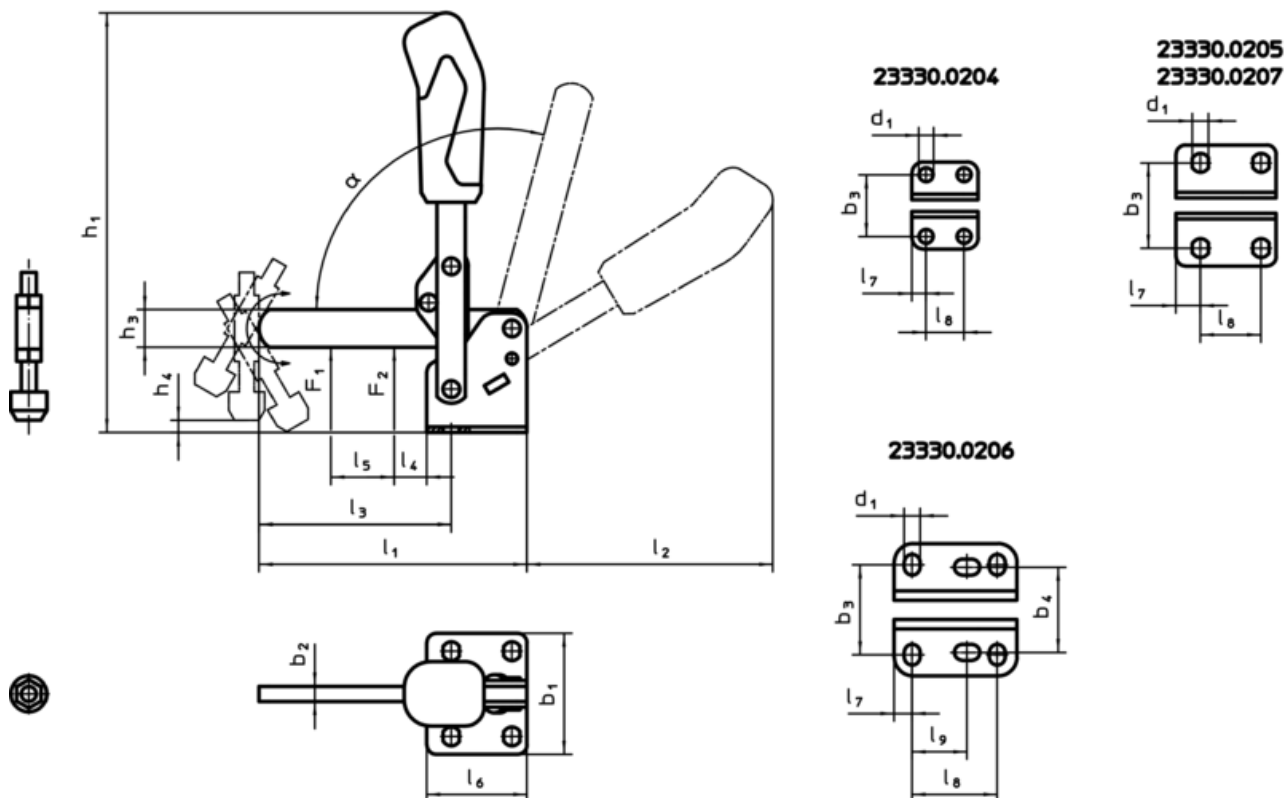
Clamping cap

- Rubber, black



Assembly

The clamping screw must be welded to the support arm in the desired position.

Drawing



Order information

Nominal size	Dimensions																		Holding force		α				Art. No.	
	d ₁	Clamping screw	b ₁	b ₂	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	F ₁	F ₂	min.		max.				
	[mm]																		[kN]			[°C]				[g]
steel																										
4	7,5	M8 x 45	46	6	186	33,5	18	0	12	108,5	116,5	81	19,5	43	35	7,5	20	1,4	2,5	105°	-10	80	426	23330.0204		