# Horizontal Toggle Clamps • with vertical base and safety lock EH 23330.



#### **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

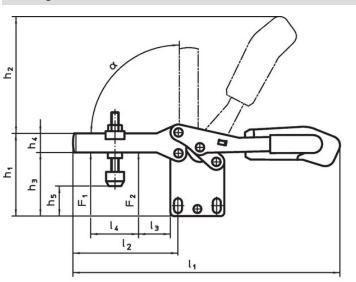
#### **Clamping screw**

• Steel, tempered, zinc-plated by galvanization

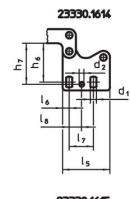
#### **Clamping cap**

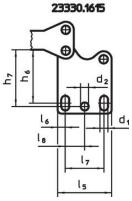
- · Rubber, black
- Plastic cap
- PVC, black

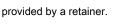
#### Drawing











References

More information

Replacement clamping screws are available

as accessories in the online shop.

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# Order information

	ninal Clamping Dimensions												Holding force		α			Ũ	Art. No.								
size	screw	$d_1 \mid d_2 \mid b_1 \mid b_2 \mid b_3 \mid h_1 \mid h_2 \mid h_3 \mid h_4 \mid h_5 \mid h_5 \mid h_6 \mid h_7 \mid l_1 \mid l_2 \mid l_3 \mid l_4 \mid l_5 \mid l_6 \mid l_7 \mid l_8 $										for F₁	F2		min.	max											
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Steel	[mm]										[1	mm]		1		1					[k	N]		[°(	<b>c</b> ]	[g]	
Steel 4	<b>[mm]</b> M8 x 45	6.5 5.1	6	8	48	65	86	49.0	15	14.5		<b>mm]</b> 37.5 – 42.5	42	206	73	14	38 5	50 7	25.7	13.0			90°				23330.1614

# Accessories

			Aut No
	d <sub>2</sub>	۲ <u>ـ</u>	Art. No.
	[mm]	[9]	
Clamping screw (spare p	part of toggle clamp)		
	M8 x 45	38	23330.9005
	M8 x 65	57	23330.9006

# Compliance

For detailed compliance information please select the desired article number.