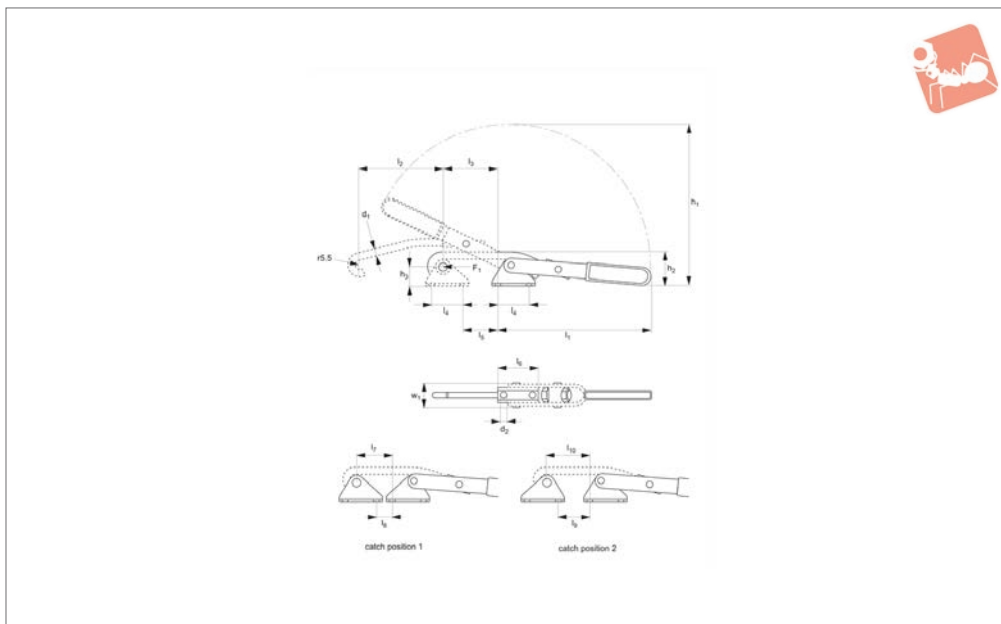




Hook Type Toggle Clamp

narrow base



41781.1

STEEL TOGGLE CLAMPS

Material

Body: steel, zinc plated.
 Rivets: stainless steel running in hardened bushes. Pre-lubricated bearings (grease suitable for food industry use).
 Handle: oil-resistant plastic with large grip area.

Technical Notes

Suitable for use as a toggle type fastener

for the lids or covers of fixed or rotating drums and containers.

Their narrow base makes them ideal for applications where space is limited but holding forces must not be compromised.

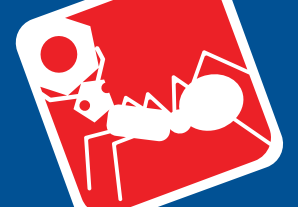
The length of the hook is adjustable, up to 22mm. Adjustment is made by rotating the threaded hook to extend or contract its reach.

Temperature range -10°C to +80°C.

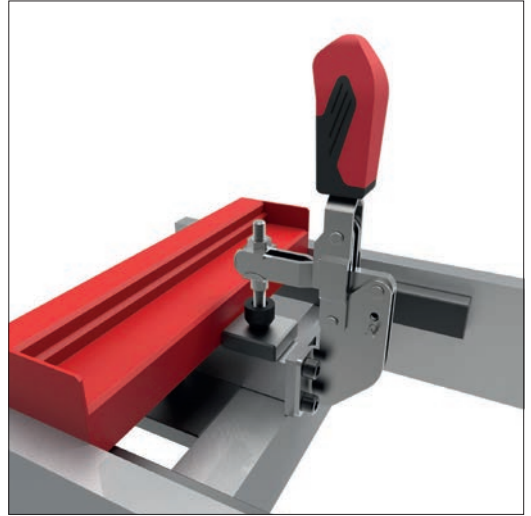
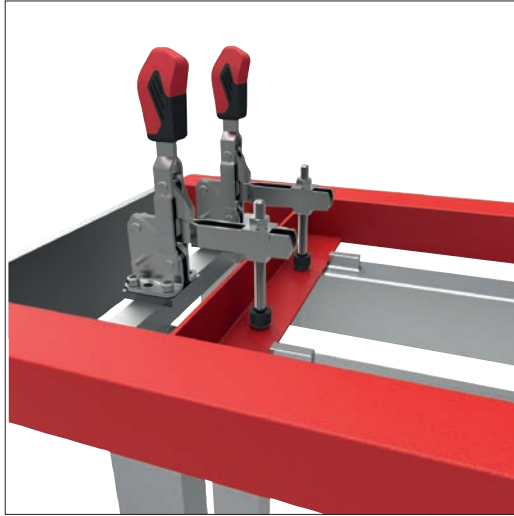
Tips

See part no. 41791.W0013 for strike catch.
 For stainless steel version see part no. 41781.W0303.

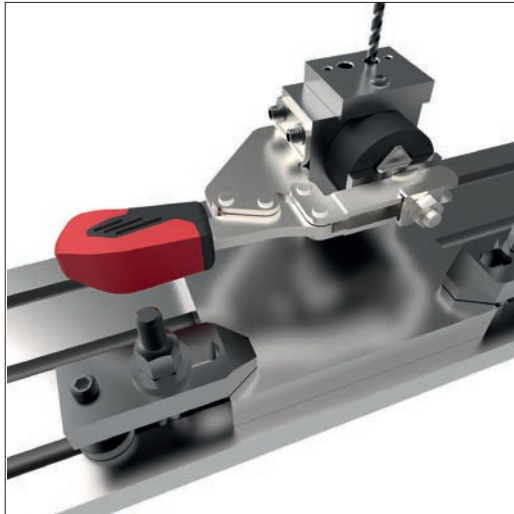
Order No.	Size	F_1 kN	h_1	d_1	d_2	h_2	h_3	l_1	l_2	Weight g
41781.W0003	3	3	179	7.1	6.5	36	23	170	99	270
Order No.	l_3	l_4	l_5	l_6	l_7	l_8	l_9	l_{10}	w_1	Adj. distance
41781.W0003	44-56	38	20-32	52	38-46	14-22	30-42	44-56	27	22



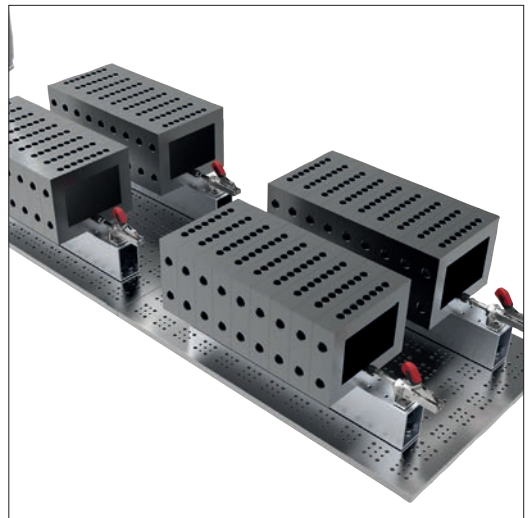
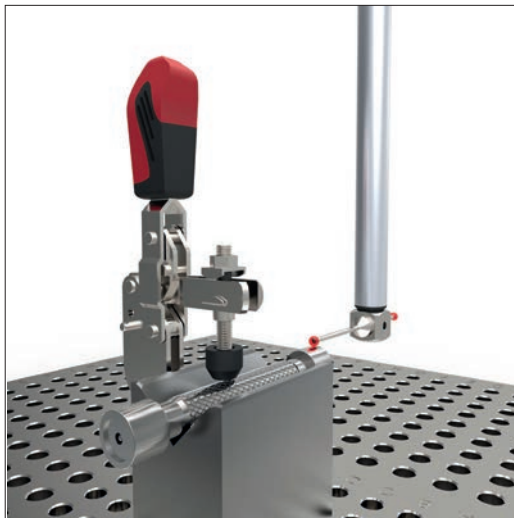
Welding Fixtures



Machining and Jig Assemblies

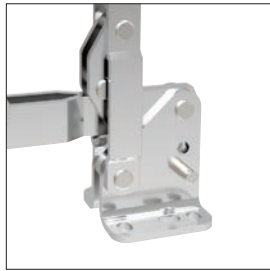


Cmm's

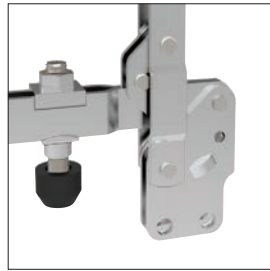




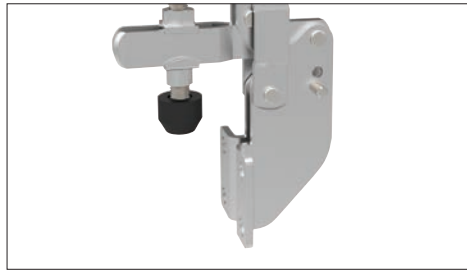
STEEL TOGGLE CLAMPS



Horizontal base



Vertical base



Angled base

Mounting Base Variations



Vertical acting



Horizontal acting



Push-pull

Clamping Variations



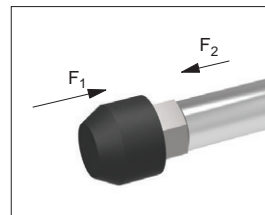
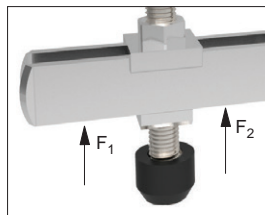
Hook type



Latch type

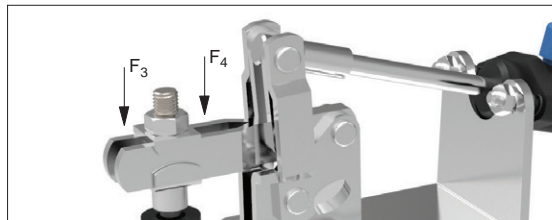
Explanation of forces

The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F_1 and F_2 are provided).



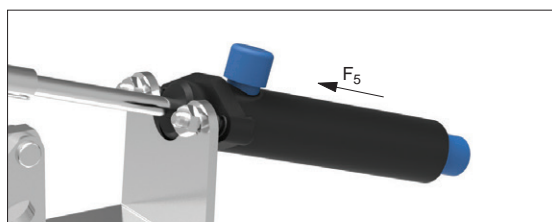
Holding Forces F_1 or F_2

The force applied to the workpiece when the toggle clamp's arm is closed. These clamping forces can only be stated for pneumatic toggle clamps, clamping forces of manual clamps cannot be easily measured as they are dependent upon the operator.



Clamping Forces F_3 or F_4

For pneumatically controlled toggle clamps only, F_5 is the piston force required (at 6 bar to) achieve the stated clamping force.



Piston Forces F_5

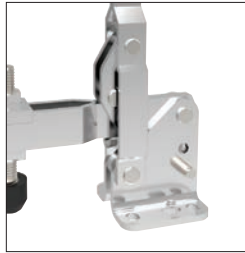
ov-W40000.1-A-T-W42070-A-T-b-rmh- Updated -27-10-2022



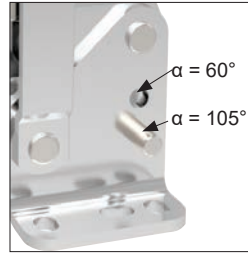
Quality Features



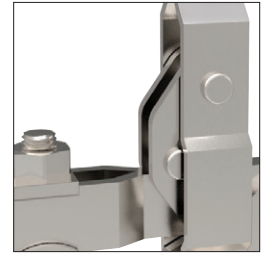
Ergonomic soft grip
2-component handle



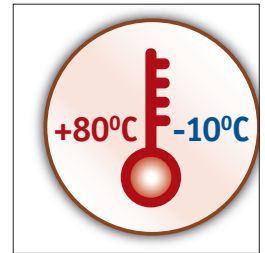
Stainless rivets and
hardened bushings



Moveable stop for
variable opening angle



Operator
finger protection



Temperature resistant

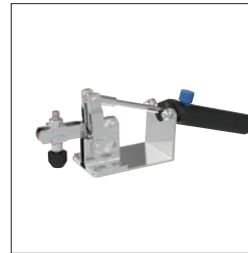
Unique Features



Safety catches



Heavy duty versions



Pneumatic versions



Matt black surface for
optical measurement

Materials



Steel, zinc plated
and passivated



Stainless steel (304)



Steel, matt black
vario-spektron coated



Protective cap and
handle made of an
electrostatic conductive
(dissipative) material.