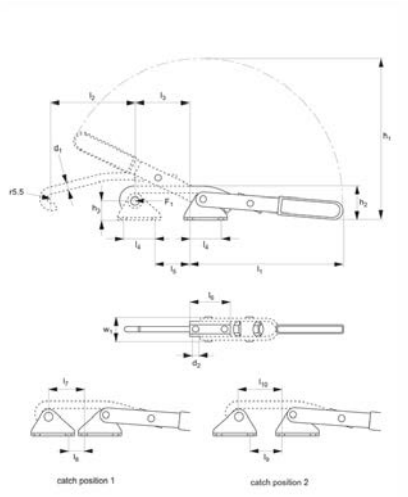
Hook Type Toggle Clamp
narrow base



41781.1

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.

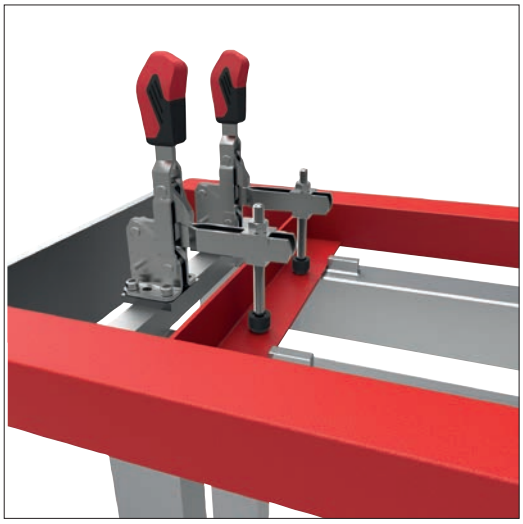
Technical Notes
Suitable for use as a toggle type fastener for the lids or covers of fixed or rotating drums and containers.
Their narrow base makes them ideal for applications where space is limited but holding forces must not be compromised.
The length of the hook is adjustable, up to 22mm. Adjustment is made by rotating the threaded hook to extend or contract its reach.
Temperature range -10°C to +80°C.

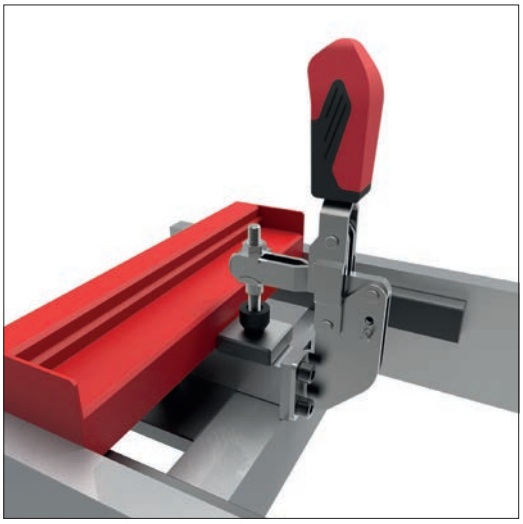
Tips
See part no. 41791.W0013 for strike catch.
For stainless steel version see part no. 41781.W0303.

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

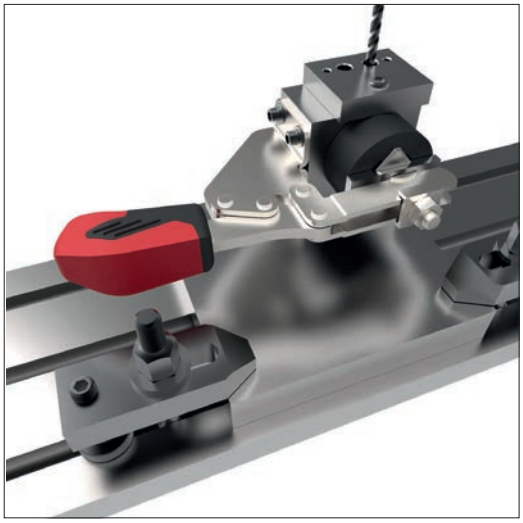
Order No.	l_3	l_4	l_5	l_6	l_7	l_8	l_9	l_{10}	w_1	Adj. distance
41781.W0003	44-56	38	20-32	52	38-46	14-22	30-42	44-56	27	22

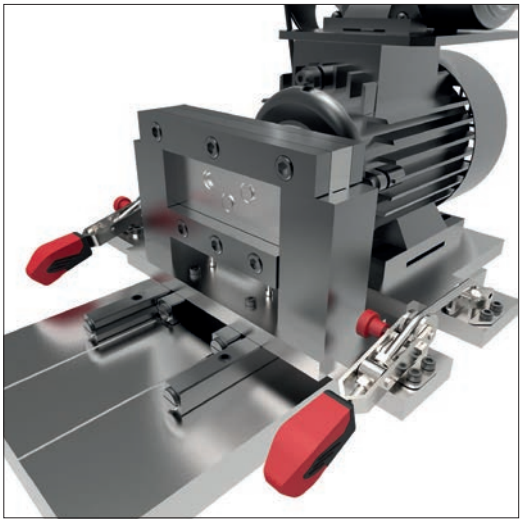
Welding Fixtures



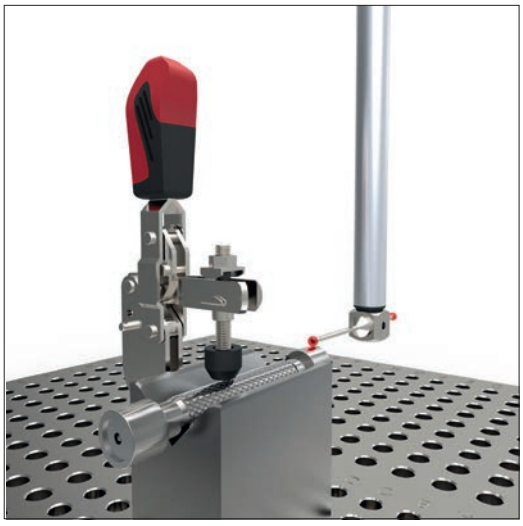


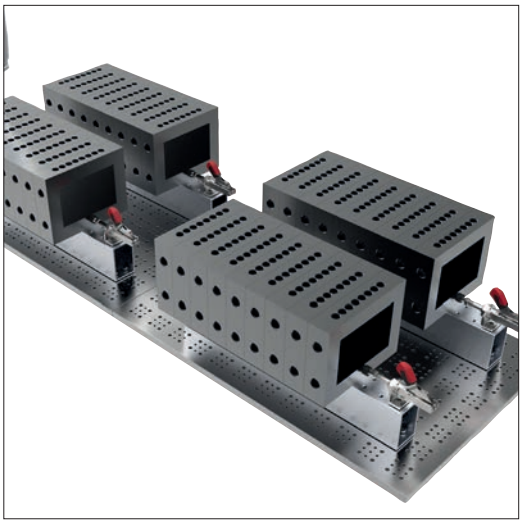
Machining and Jig Assemblies





Cmm's





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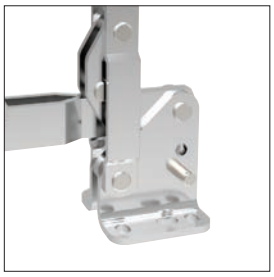
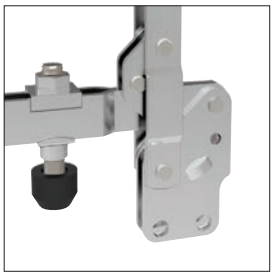
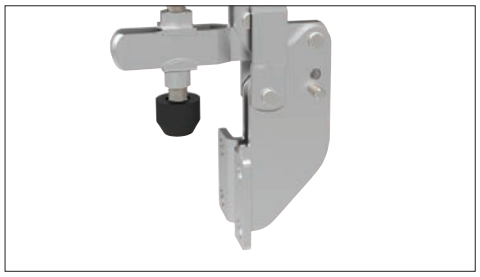
Mounting Base Variations


Horizontal base


Vertical base


Angled base

Clamping Variations


Vertical acting


Horizontal acting

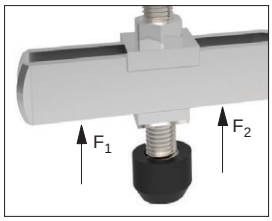

Push-pull

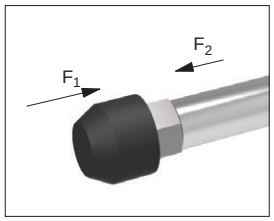

Hook type


Latch type

Explanation of forces

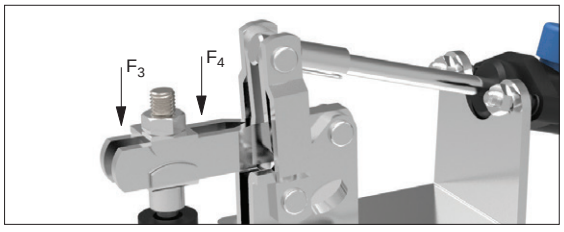
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





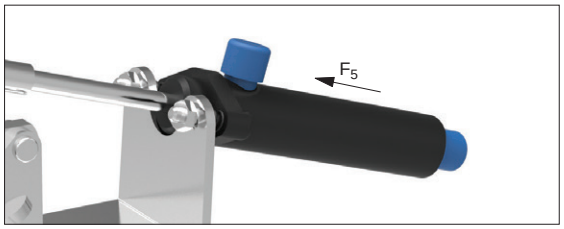
Holding Forces F1 or F2

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 F3 or F4

For pneumatically controlled toggle clamps only, F5 is the piston force required (at 6 bar to) achieve the stated clamping force.



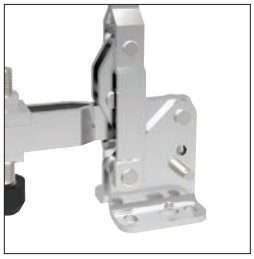
Piston Forces F5

Wixroyd Toggle Clamps

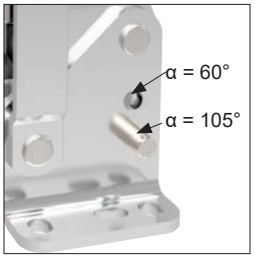
overview

Quality Features

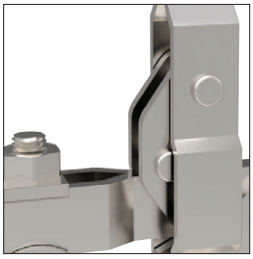
Ergonomic soft grip
2-component handle



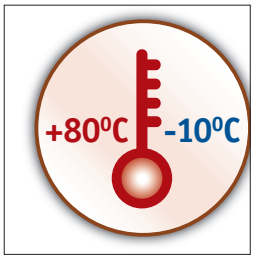
Stainless rivets and
hardened bushings



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.

Wixroyd AN ESSENTRA COMPANY

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