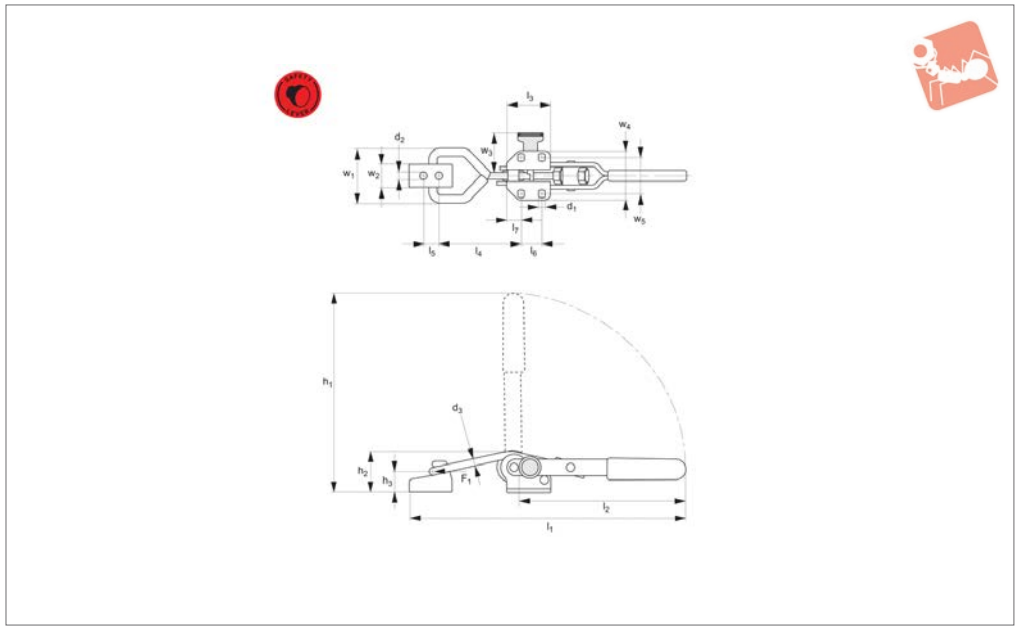


41620

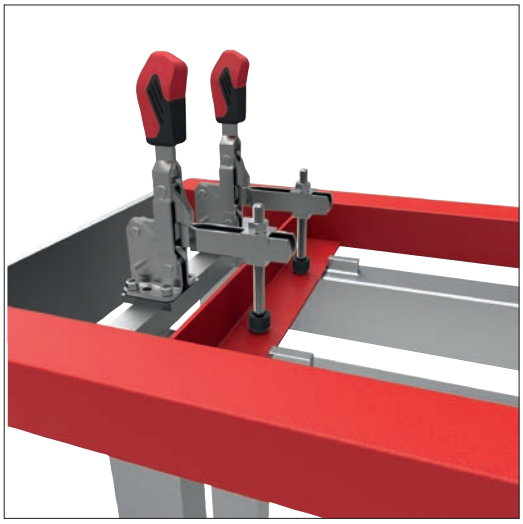
Material
Body: steel, zinc plated.
Rivets: stainless steel running in hardened bushes. Pre-lubricated bearings (grease suitable for food industry use).
Handle: oil-resistant plastic with large grip area.

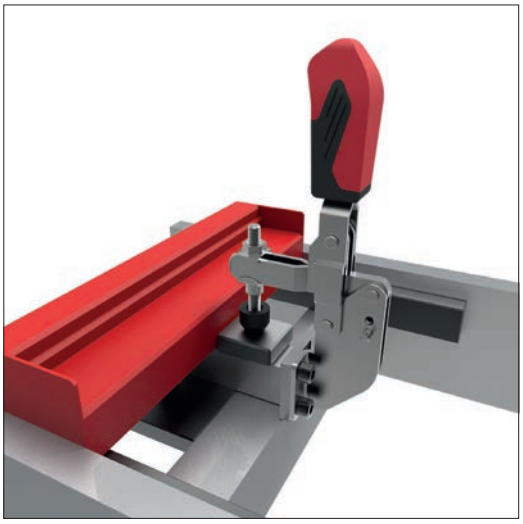
Technical Notes
The safety knob locks the clamp in the closed position. This prevents opening under vibration or inadvertent movement of the clamping arm when loading or unloading a fixture.
Pull out the safety knob to release the clamp.
Supplied complete with counter strike.
For additional counter strikes, see part 41801.W00012- .W0014.
Temperature range -10°C to +80°C.

Order No.	Size	F_1 kN	h_1	h_2	h_3	l_1	l_2	l_3	l_4	Weight g
41620.W0003	3	3	179	38	19	257	149	40	79.5	295

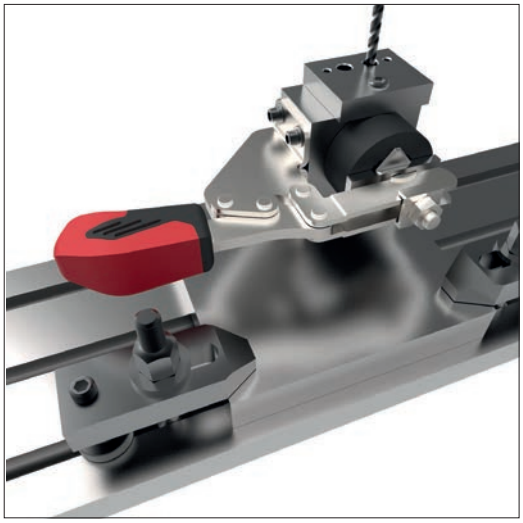
Order No.	l_5	l_6	l_7	w_1	w_2	w_3	w_4	w_5	d_1	d_2	Ø d_3
41620.W0003	14	19	13	49	21	38.5	32-35	45	5.6	6.5	7.1

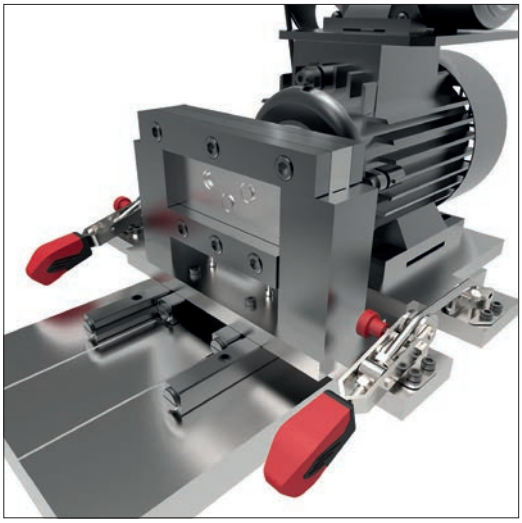
Welding Fixtures



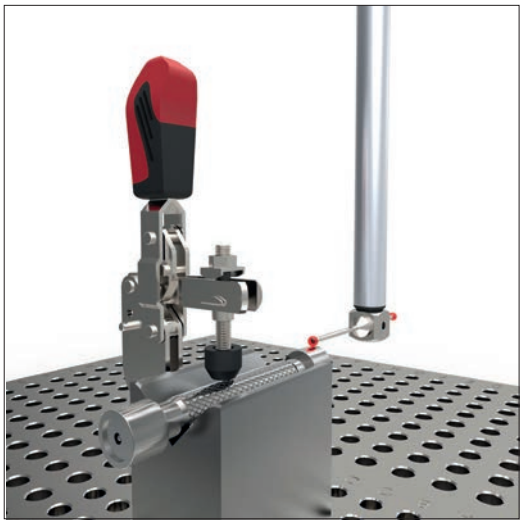


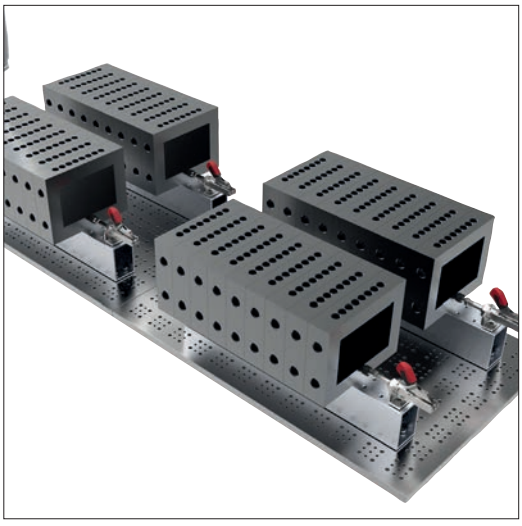
Machining and Jig Assemblies





Cmm's





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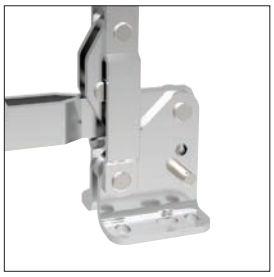
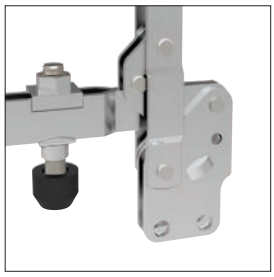
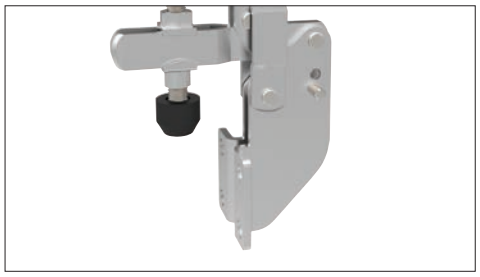
Mounting Base Variations



Horizontal base



Vertical base



Angled base

Clamping Variations

Vertical acting

Horizontal acting

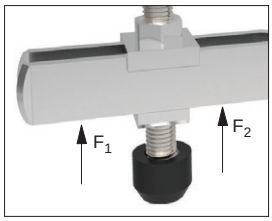
Push-pull

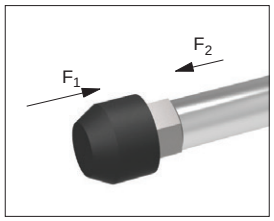
Hook type

Latch type

Explanation of forces

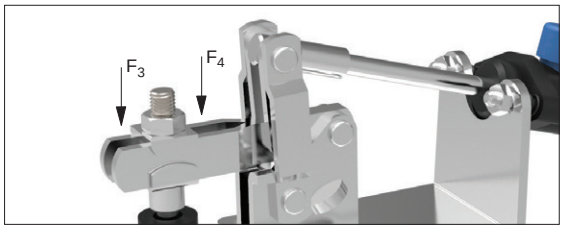
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F_1 and F_2 are provided).





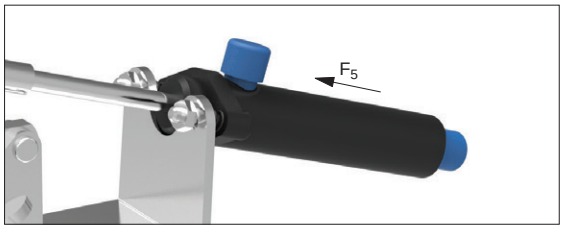
Holding Forces F_1 or F_2

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.



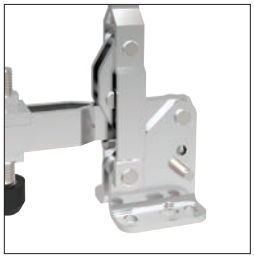
Piston Forces F_5

Wixroyd Toggle Clamps

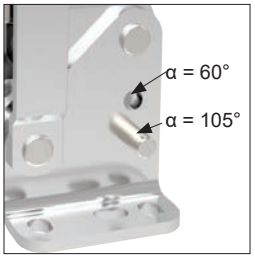
overview

Quality Features

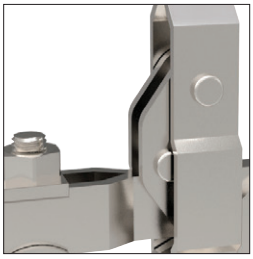
Ergonomic soft grip
2-component handle



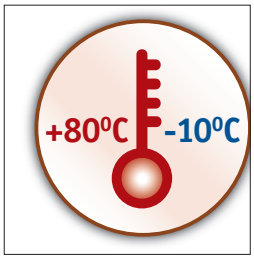
Stainless rivets and
hardened bushings



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.

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