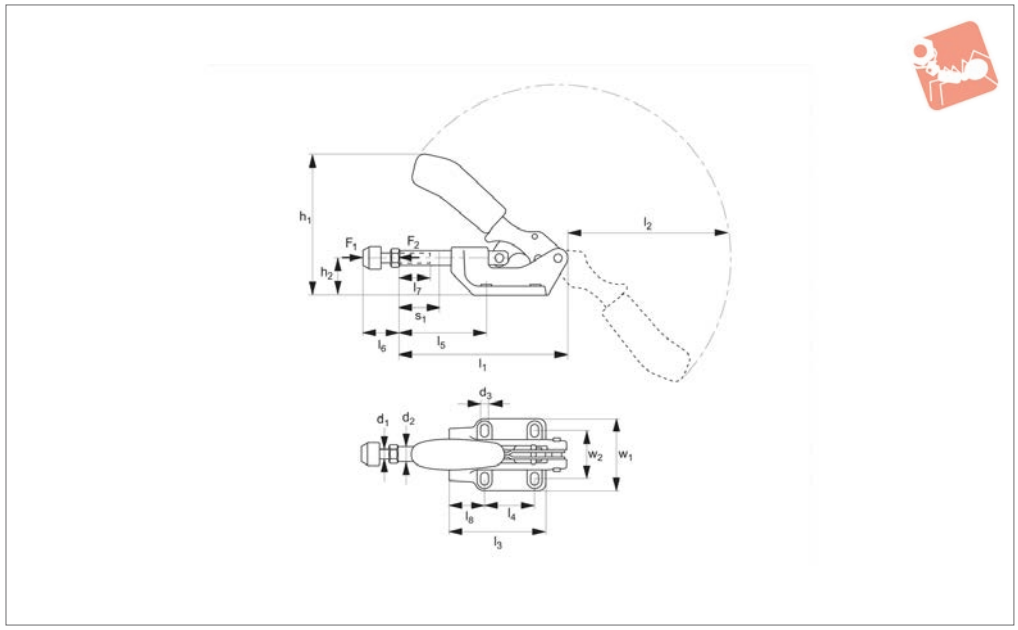


42050.1

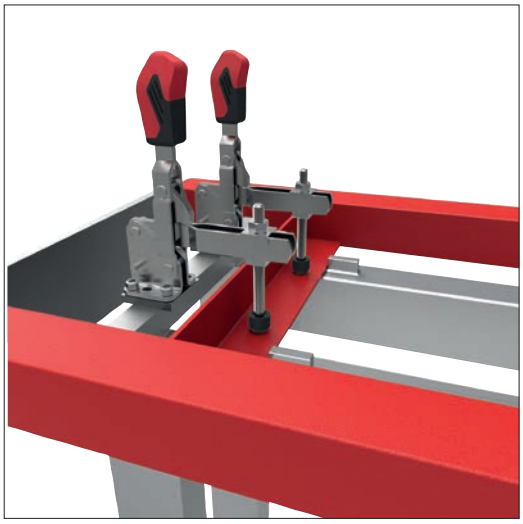
Material
Base: cast iron, malleable, varnished.
Lever and push rod: zinc plated, passivated and tempered.
Rivets: stainless steel running in hardened bushes. Pre-lubricated bearings (grease suitable for food industry use).
Ergonomic, soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw and rubber nose.

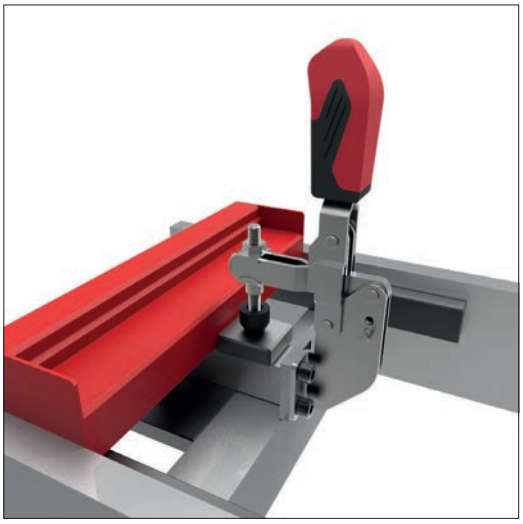
Technical Notes
Temperature range -10°C to +80°C.

Order No.	Size	Clamping screw d_1	F_1 kN	F_2 kN	d_2	d_3	h_1	h_2	l_1	l_2	Weight g
42050.W0003	3	M 8x35	4	4	12	6.5	116.0	30	139	135	540
42050.W0005	5	M12x50	10	10	16	8.5	137.5	38	174	156	1115
42050.W0007	7	M12x50	25	25	22	11.0	179.0	55	218	192	2840

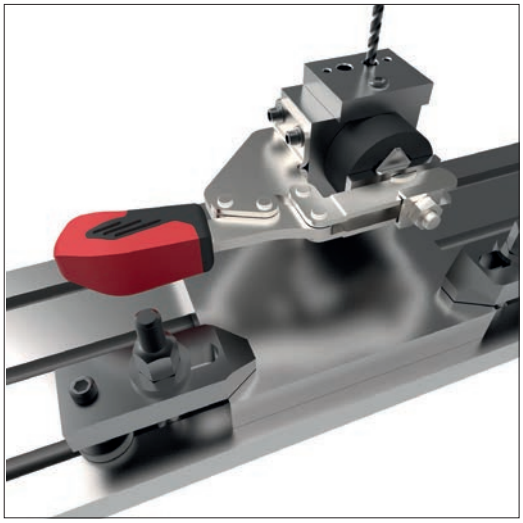
Order No.	l_3	l_4	l_5 min.	l_5 max.	l_6 min.	l_6 max.	l_7	l_8	w_1	w_2	Stroke s_1
42050.W0003	95	41	40	72	22	35	30	28	60	36-44	32
42050.W0005	121	41	58	98	30	50	50	45	71	41-50	40
42050.W0007	158	70	59	105	30	50	50	45	93	57-65	50

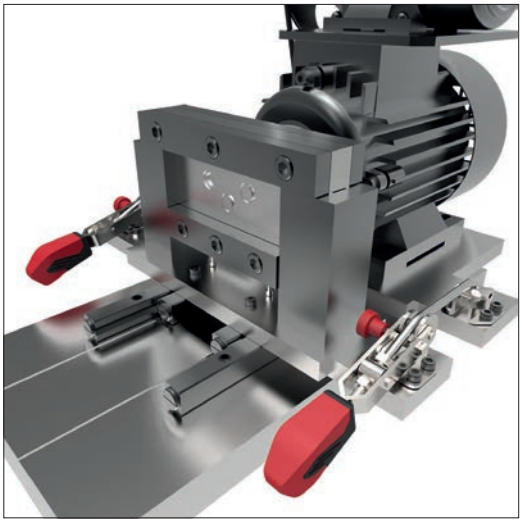
Welding Fixtures



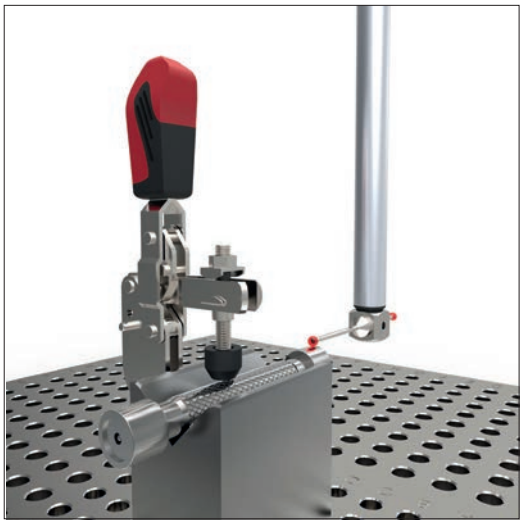


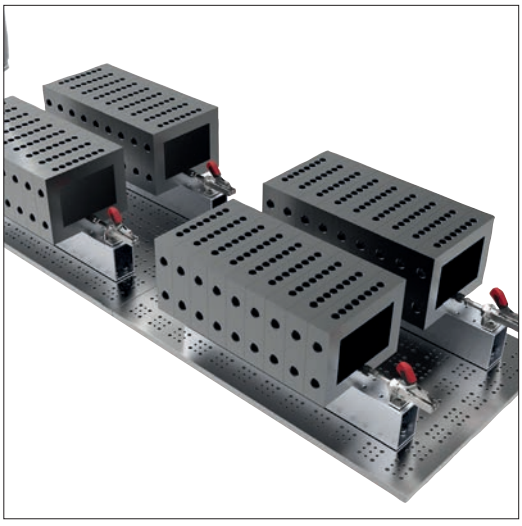
Machining and Jig Assemblies





Cmm's





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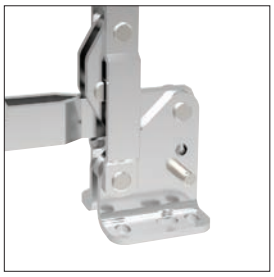
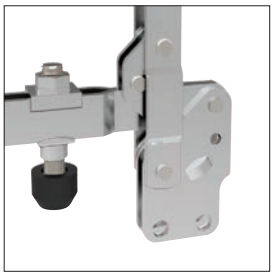
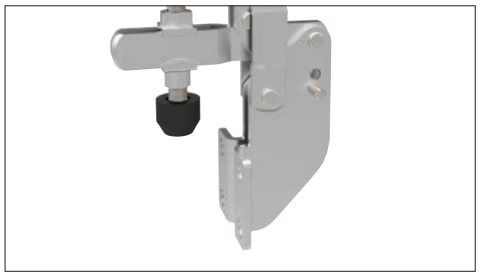
Mounting Base Variations


Horizontal base


Vertical base


Angled base

Clamping Variations


Vertical acting


Horizontal acting

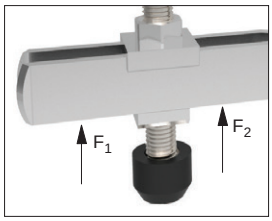

Push-pull

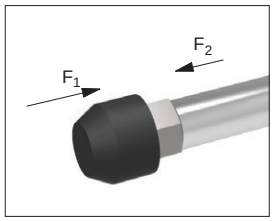

Hook type


Latch type

Explanation of forces

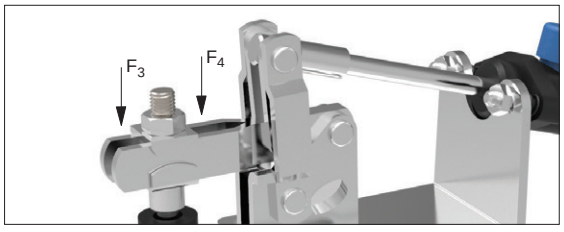
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





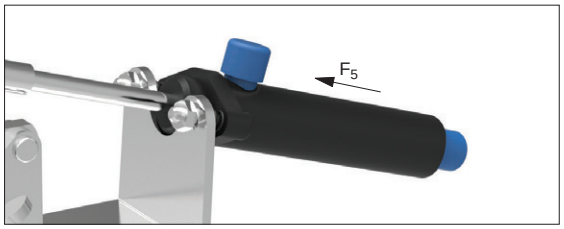
Holding Forces F1 or F2

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.



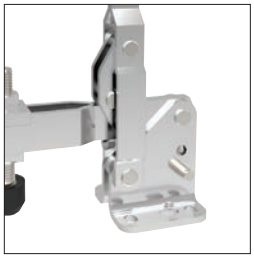
Piston Forces F5

Wixroyd Toggle Clamps

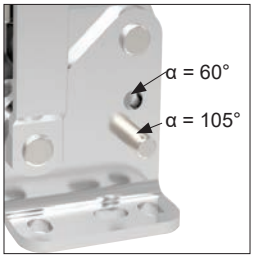
overview

Quality Features

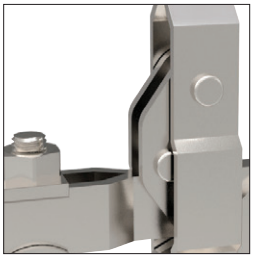
Ergonomic soft grip
2-component handle



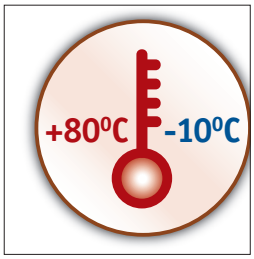
Stainless rivets and
hardened bushings



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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