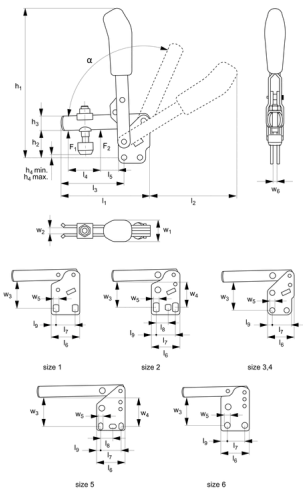


40050.1

Material

Body: steel, zinc plated. Stainless steel rivets running in hardened bushes (sizes 2-6). Pre-lubricated bearings (grease suitable for food industry use).
Ergonomic, soft feel, oil-resistant handle with large grip area.
Supplied complete with clamping screw (with rubber pad).

Technical Notes

For fastening to mounting plates, etc.

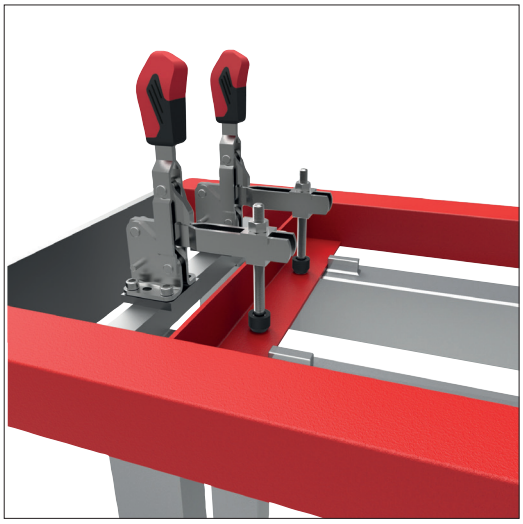
Opening angle (symbola/symbol/symbola/symbol*) can be changed by pressing in a stop pin on the clamp body.
Temperature range -10°C to +80°C.

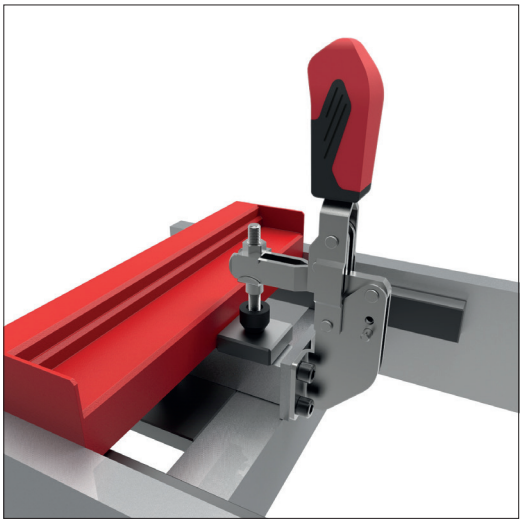
Order No.	Size	F_1 kN	F_2 kN	Clamping screw	h_1	h_2	h_3	h_4 min.	h_4 max.	l_1	l_2	l_3	Weight g
40050.W0001	1	0.6	1.1	M 5x30	109.0	29	10	6.0	12.5	61	59	39	105
40050.W0002	2	0.8	1.2	M 6x35	144.5	38	12	11.5	19.5	78	80	52	175
40050.W0003	3	1.2	2.5	M 8x45	200.0	48	18	16.5	25.0	112	114	79	410
40050.W0004	4	1.7	3.0	M 8x65	244.0	65	20	16.5	45.5	141	130	101	630
40050.W0005	5	3.0	5.0	M12x80	301.0	77	25	18.0	49.0	195	183	140	1480
40050.W0006	6	3.4	5.5	M12x110	369.0	117	30	33.0	90.5	231	206	165	2200

Order No.	l_4	l_5	l_6	l_7	l_8	l_9	w_1	w_2	w_3	w_4	w_5	w_6	α	α*
40050.W0001	18	6	27	16.0	-	5.5	19	5	23,5-25,0	4.5	-	5	95°	-
40050.W0002	25	11	32	20.0	12.5	6.0	21	6	28,5-32,0	5.5	30	5	105°	60°
40050.W0003	36	19	40	20.0	-	7.5	27	8	41.0	7.5	-	6	105°	60°
40050.W0004	54	16	53	32.0	-	13.0	35	10	55.5	8.6	-	8	105°	60°
40050.W0005	72	35	65	45.0	26,5-31,5	9.5	45	14	66.0	8.5	64	10	115°	60°
40050.W0006	89	28	90	50.5	-	24.5	45	14	102.0	13.0	-	10	140°	60°

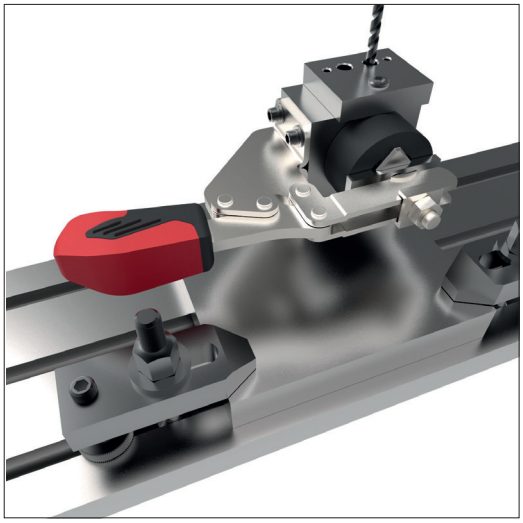
Wixroyd Toggle Clamps

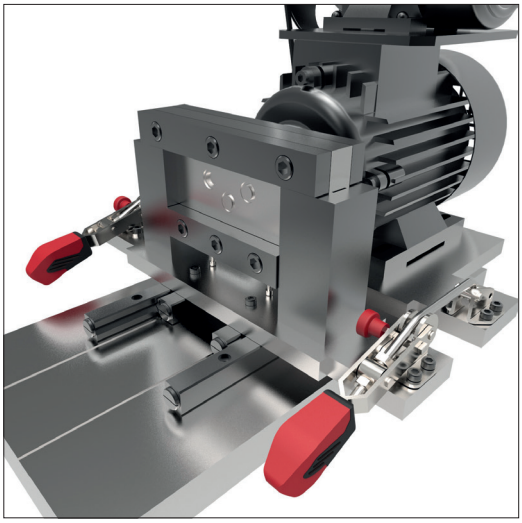
Welding Fixtures



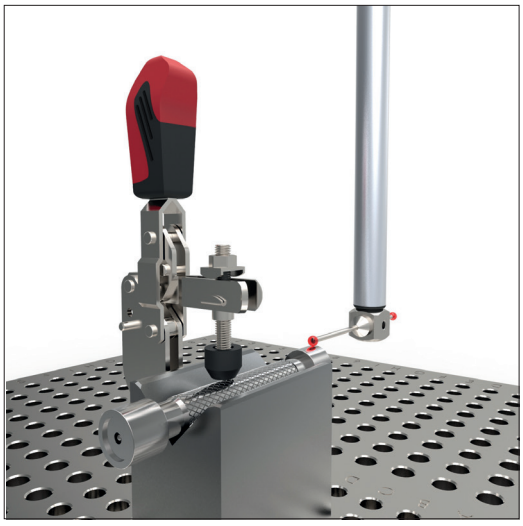


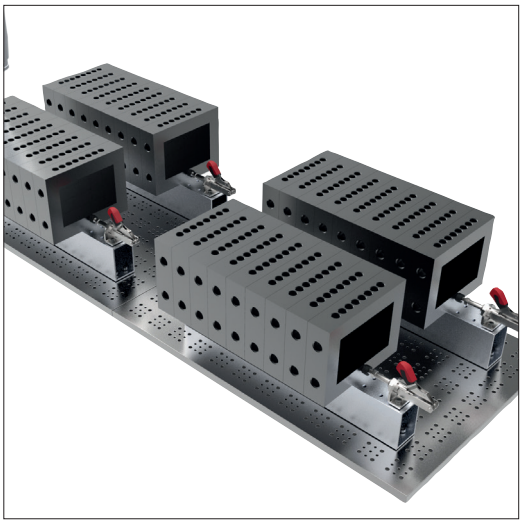
Machining and Jig Assemblies





Cmm's





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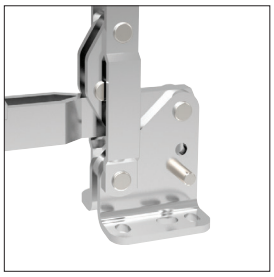
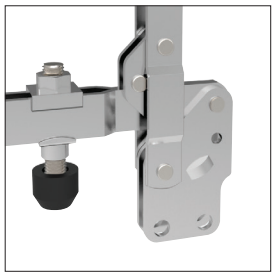
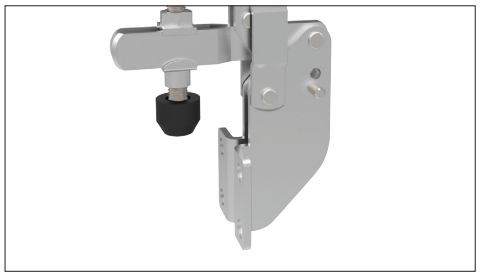
Mounting Base Variations


Horizontal base


Vertical base


Angled base

Clamping Variations


Vertical acting


Horizontal acting

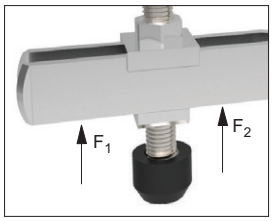

Push-pull

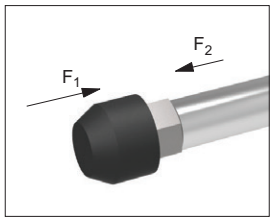

Hook type


Latch type

Explanation of forces

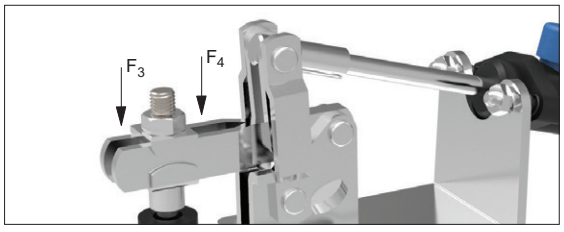
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





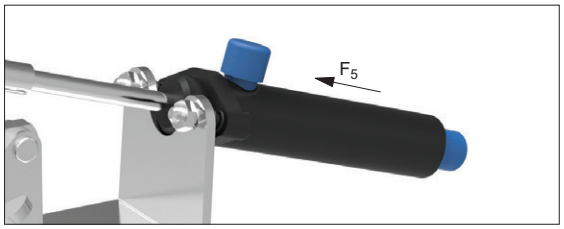
Holding Forces F1 or F2

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

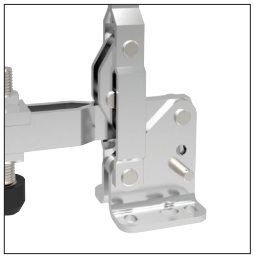
Wixroyd AN ESSENTRA COMPANY
0333 207 4497
sales@wixroyd.com

Wixroyd Toggle Clamps

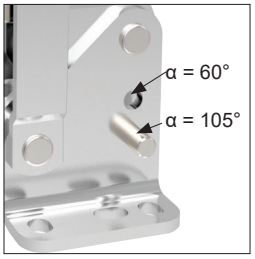
overview

Quality Features

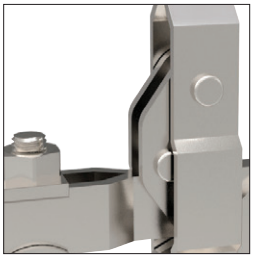
Ergonomic soft grip
2-component handle



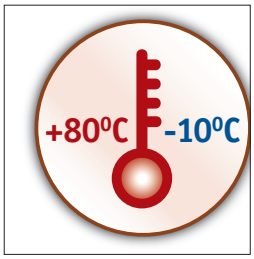
Stainless rivets and
hardened bushings



Moveable stop for
variable opening angle



Operator
finger protection

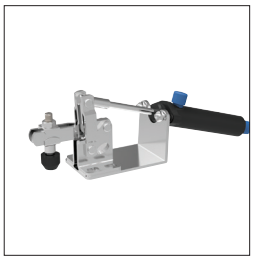


Temperature resistant

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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