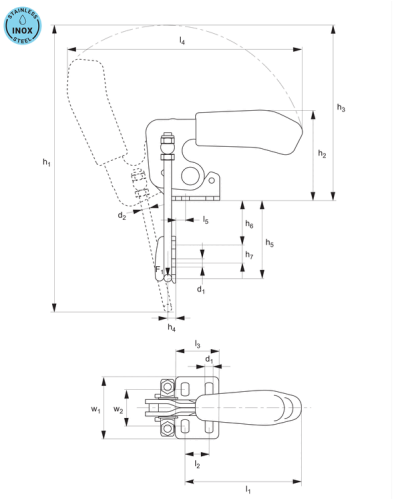


41821.4

Material
Body: stainless steel (AISI 304, 1.4301), polished.
Rivets: stainless steel running in greased bushes.
Ergonomic soft feel oil-resistant handle with large grip area.
Complete with counter strike.

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

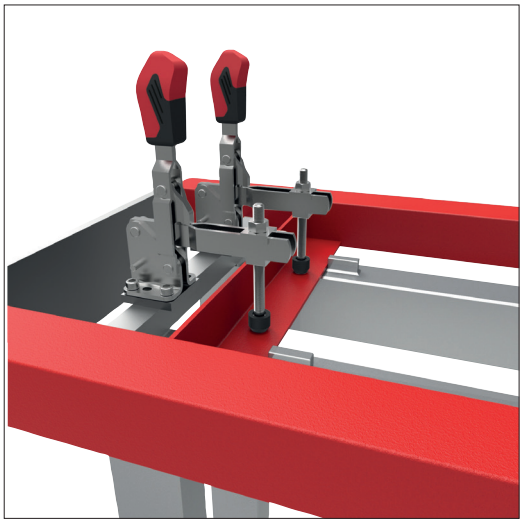
Tips
Suitable for use in the food industry.
Also available in steel zinc plated version, see part no. 41821.W0002 - .W0004.

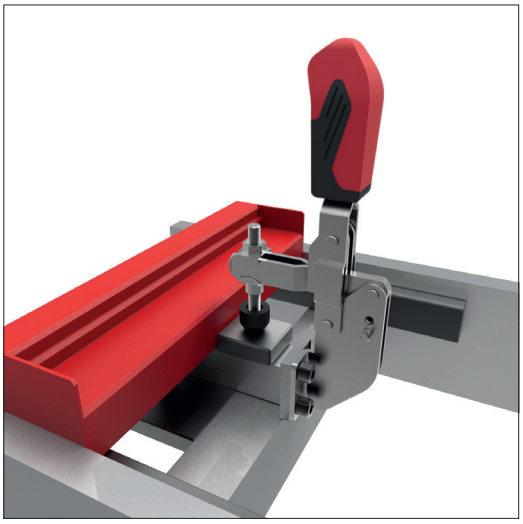
Order No.	Size	F_1 kN	h_1	h_2	h_3	h_4	h_5 min.	h_5 max.	h_6 min.	Weight g
41821.W0302	2	1.6	150	47.0	99	4.5	24	47	5.0	130
41821.W0303	3	3.2	172	70.0	137	6.0	33	63	6.5	340
41821.W0304	4	7.0	254	94.5	168	8.0	43	81	9.0	810

Order No.	h_6 max.	h_7	l_1	l_2	l_3	l_4	l_5	w_1	w_2	d_1	d_2
41821.W0302	28	11	69	13	26.0	158	6.8	38.0	19,5-23,5	5.2	4
41821.W0303	36	14	93	19	35.0	195	8.0	48.0	24,5-32,5	6.5	6
41821.W0304	47	19	111	32	53.5	239	9.5	64.5	35,0-46,0	8.5	8

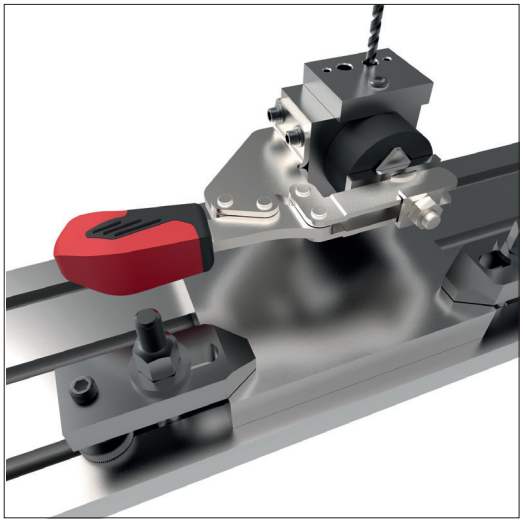
Wixroyd Toggle Clamps

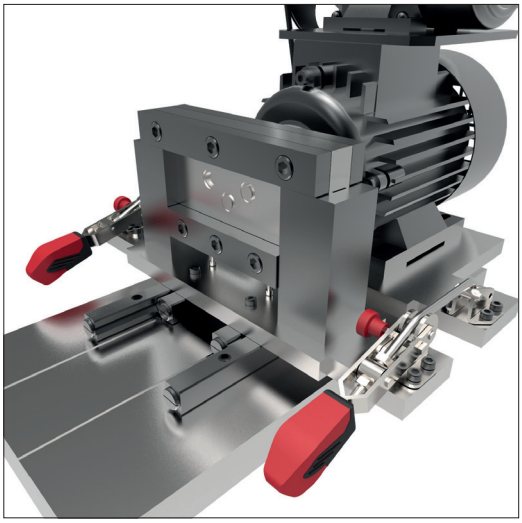
Welding Fixtures



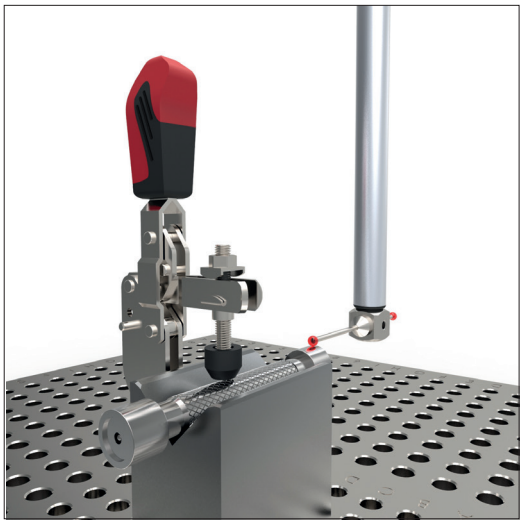


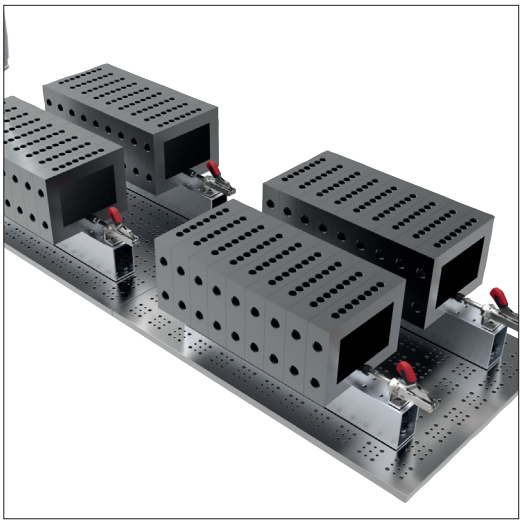
Machining and Jig Assemblies





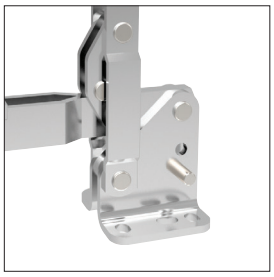
Cmm's

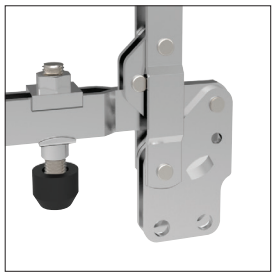


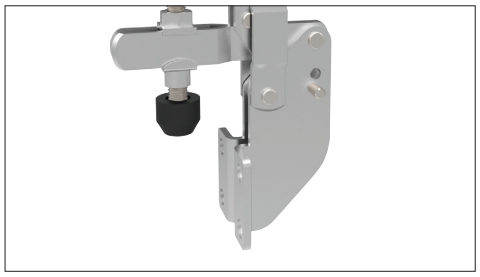


ov-W40000.1-A-T-W42070-A-T-a-Inh- Updated -27-10-2022

Mounting Base Variations


Horizontal base


Vertical base


Angled base

Clamping Variations


Vertical acting


Horizontal acting

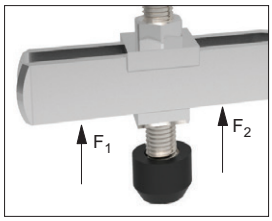

Push-pull

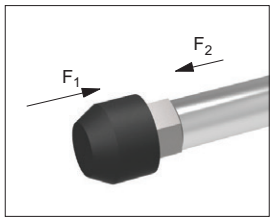

Hook type


Latch type

Explanation of forces

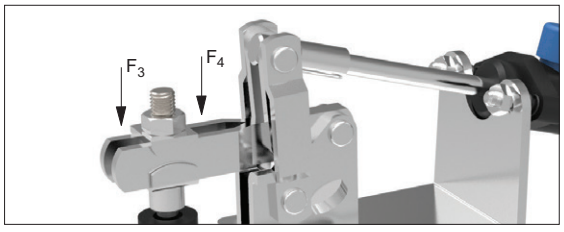
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





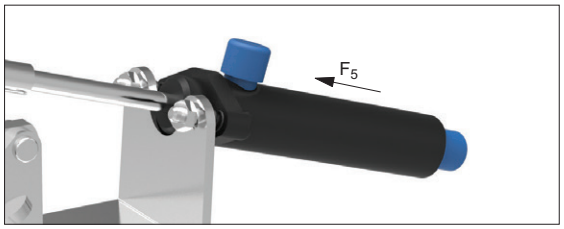
Holding Forces F1 or F2

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.



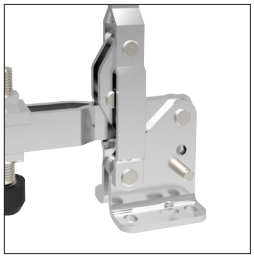
Piston Forces F5

Wixroyd Toggle Clamps

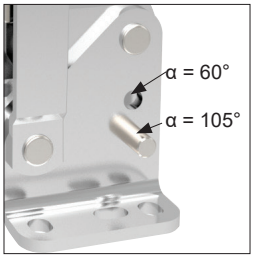
overview

Quality Features

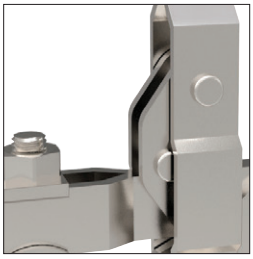
Ergonomic soft grip
2-component handle



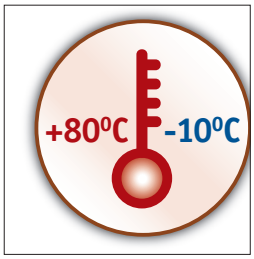
Stainless rivets and
hardened bushings



Moveable stop for
variable opening angle



Operator
finger protection

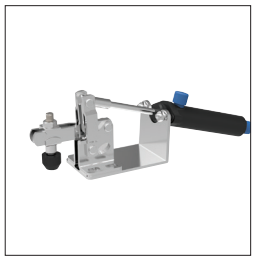


Temperature resistant

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.

ov-W40000.1-A-T-W42070-A-T-c-Inh- Updated -27-10-2022