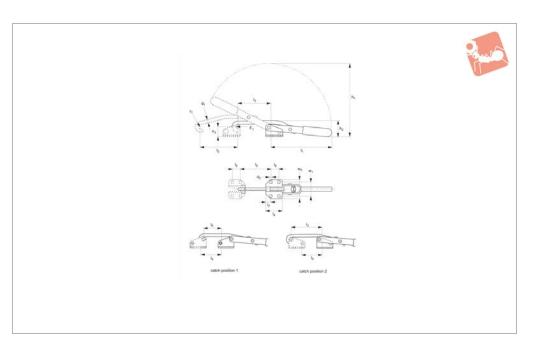


Hook Type Toggle Clamps

Steel Toggle Clamps





41700.1

Material

Body: steel, zinc plated. Rivets: stainless steel running in case hardened bushes. Pre-lubricated bearings (grease suitable for food industry use). Ergonomic, soft feel, oil-resistant handle with large grip area.

Technical Notes

Ideally suited for use as a toggle type

fastener for the lids or covers of fixed or rotating drums and containers.

The length of the hook is adjustable by rotating the threaded hook to extend or contract it's reach.

Temperature range -10°C to +80°C.

Tips

For counter strike see part no. 41700. W0011-.W0015.

For stainless steel version see part no. 41740.W0001-.W0005.

Order No.	Size	F ₁ kN	h_1	d	1	d_2	h ₂	h ₃	I_1	l ₂	Weight g
41700.W0001	1	2	111	5.	3	4.5	34.5	22.7	88	45	100
41700.W0003	3	3	179	7.	1	5.6	36.0	22.7	148	98	270
41700.W0005	5	5	280	10	8.0	11.2	69.0	49.1	228	146	850
Order No.	l ₃	I ₄	I ₅	I ₆	I ₇	I ₈	l ₉	w_1	w_2	r_1	Adj. distance
41700.W0001	35,0-42,0	31	35,0-42,5	19	6	16,0-23,0	16,5-23	,5 40	25,5-30,5	4.5	8
41700.W0003	65,5-77,0	40	72,5-84,0	19	13	32,5-44,0	39,5-50),5 45	31,0-36,0	5.5	12
41700.W0005	57,0-71,0	55	58,0-72,0	29	13	26,5-40,0	27,5-42	2,0 85	56,0-63,5	8.0	14



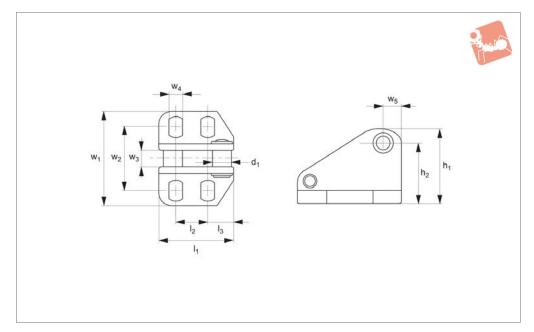
Steel Toggle Clamps

Fixed Catch for nos. 41600 and 41700





41740.1



Material

Body: steel, zinc plated. Rivets: stainless steel running in case hardened bushes.

Technical Notes

For use with no. 41600 and 41700.W0001 - .W0005.

Tips

For stainless steel version see part no. 41740.W0311 - .W0315.

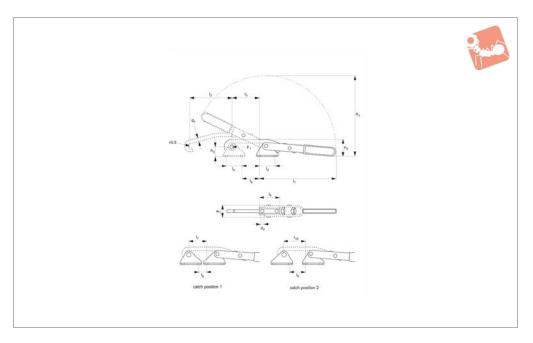
Order No.	Size	h_1	d_1	h ₂	I_1	l ₂	I ₃	\mathbf{w}_1	w_2	w_3	w_4	w_5	Weight
41740.W0011	1	29	8	22.7	31	19	6	40	26,0-30,0	6.9	4.5	6	40
41740.W0013	3	29	10	22.7	40	19	13	45	31,3-35,8	10.9	5.5	6	70
41740.W0015	5	61	15	49.1	55	29	13	86	56.5-64.0	13.8	11.2	12	320





Hook Type Toggle Clamp







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	I_1	I ₂	Weight g
41781.W0003	3	3	179	7.1	6.5	36	23	170	99	270
Order No. 41781.W0003	l ₃ 44-56	1 ₄ 38	l ₅ 20-32	l ₆ 52	I ₇ 38-46	l ₈ 14-22	l ₉ 30-42	1 ₁₀ 44-56	w ₁ 27	Adj. distance 22



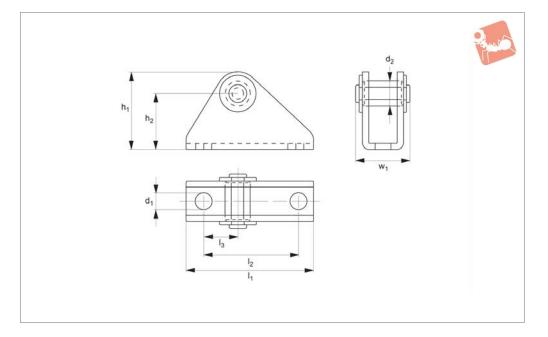
Steel Toggle Clamps

Fixed Catch - Narrow for part no. 41781.W0003





41791.1



Material

Body: steel, zinc plated.

Rivets: stainless steel running in hardened

bushes.

Technical Notes

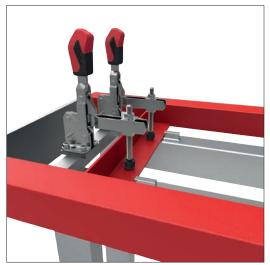
The adjustment range of the clamp can be

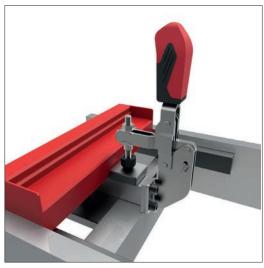
altered by rotating the fixed catch. Use socket cap screws for mounting.

Order No.	Size	h_1	d_1	d_2	h ₂	I_1	l ₂	l ₃	w_1	Weight
41791.W0013	3	32	6.5	10	23	52	38	14	22	65



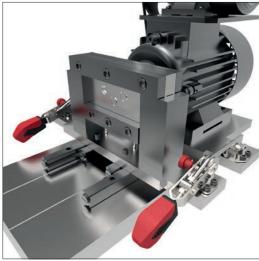




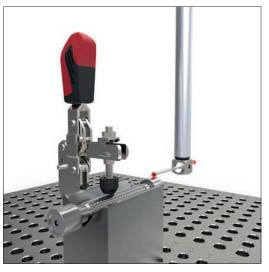


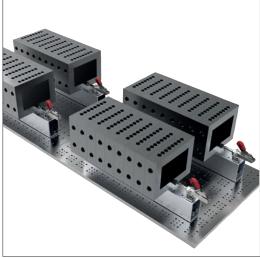
Welding Fixtures





Machining and Jig Assemblies





Cmm's

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



Mounting Base Variations



Horizontal base



Vertical base



Angled base

Clamping Variations



Vertical acting



Horizontal acting



Push-pull



Hook type

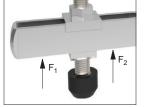


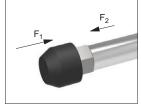
Latch type

Explanation of forces

Holding Forces F1 or F2

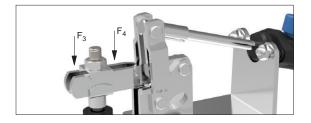
The force transmitted to the workpiece by the toggle clamp's closed arm, without itself being deformed when machine forces are applied. The holding force value is dependent upon the proximity of the measuring load point to the toggle clamp's pivot point (therefore two values, F1 and F2 are provided).





Clamping Forces F₃ or F₄

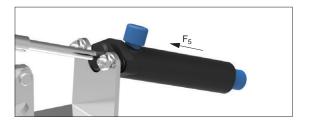
The force applied to the workpiece when the toggle clamp's arm is closed. These clamping forces can only be stated for pneumatic toggle clamps, clamping forces of manual clamps cannot be easily measured as they are dependent upon the operator.



Piston Forces F₅

6

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





Wixroyd Toggle Clamps

overview

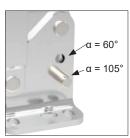
Quality Features



Ergonomic soft grip 2-component handle



Stainless rivets and hardened bushings



Moveable stop for variable opening angle



Operator finger protection



Temperature resistant



Safety catches



Heavy duty versions



Pneumatic versions



Matt black surface for optical measurement



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.

Materials