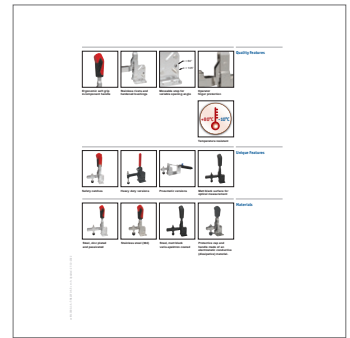
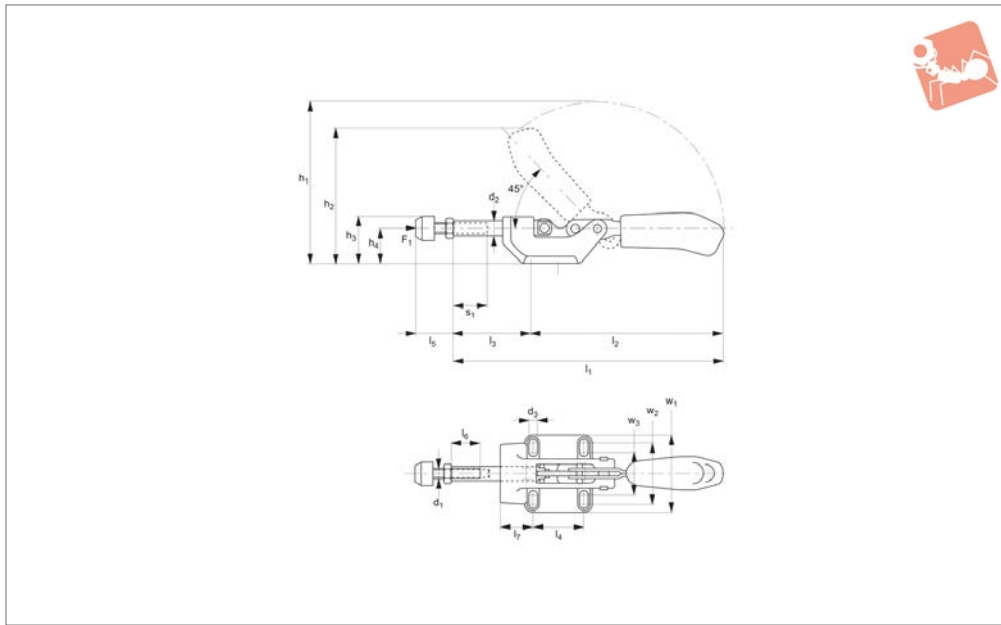




Reverse Action Push-Pull Toggle angle base - heavy duty



42070

STEEL TOGGLE CLAMPS

Material

Base: cast iron, malleable, varnished.
Lever and push rod: steel, zinc plated 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

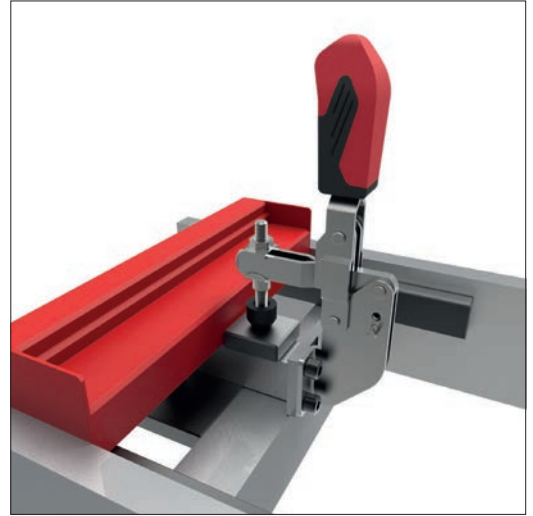
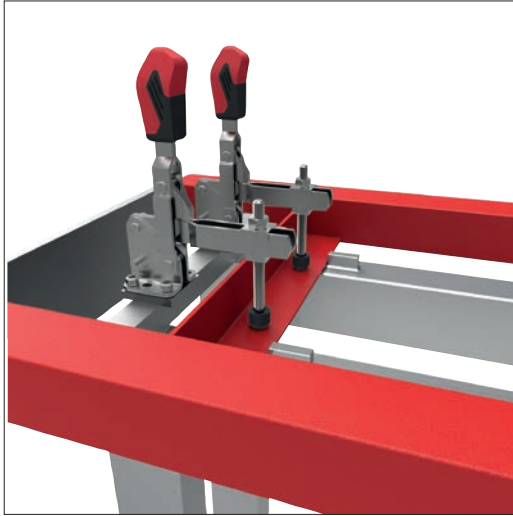
Reverse clamping position, clamp is locked when handle is extended at the back of the clamp (the reverse action of clamp no.

42050).
This toggle clamp boasts a low height when in the clamped position, making it ideal for use in small spaces.
Compatible with push-pull toggle clamps no. 42050.
Temperature range -10°C to +80°C.

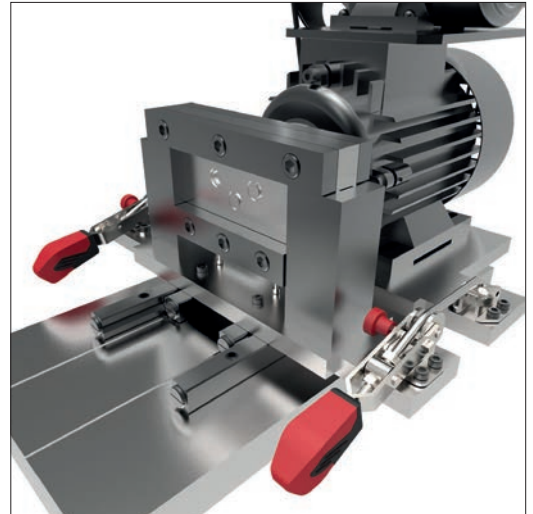
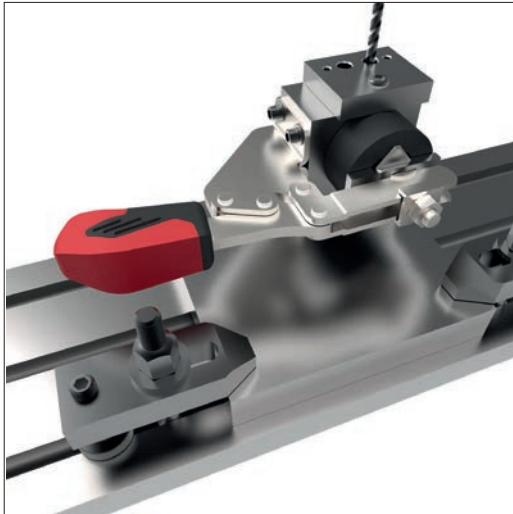
Order No.	Size	Clamping screw d_1	F_1 kN	d_2	d_3	h_1	h_2	h_3	h_4	Weight g	
42070.W0003	3	M 8x35	4	12	6.5	133.5	109	39	30	540	
Order No.	l_1	l_2	l_3	l_4	l_5	l_6	l_7	w_1	w_2	w_3	Stroke s_1
42070.W0003	235	163	72	41	22-35	30	28	60	44	36	30



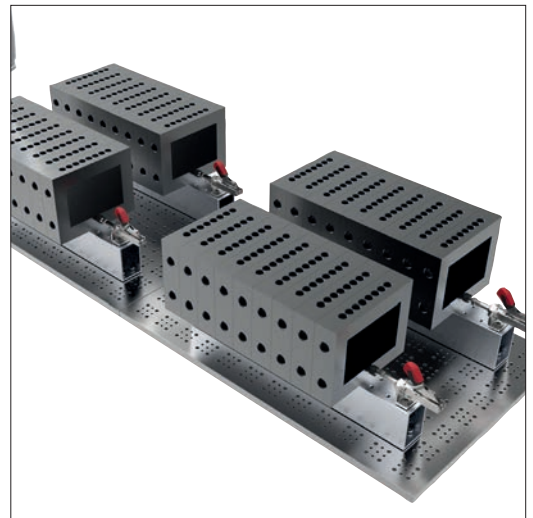
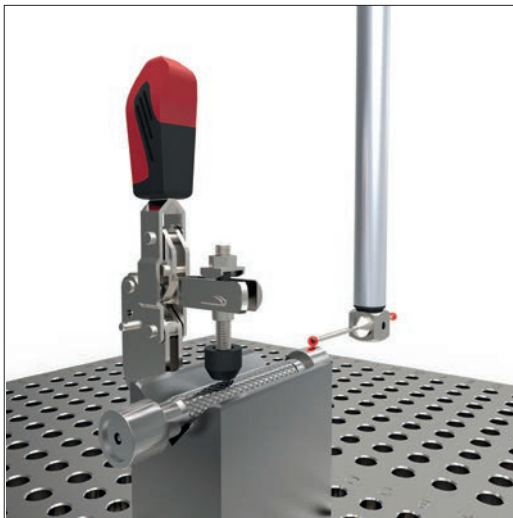
Welding Fixtures



Machining and Jig Assemblies

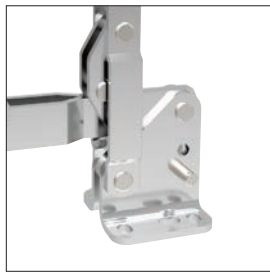


Cmm's

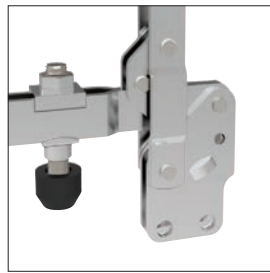




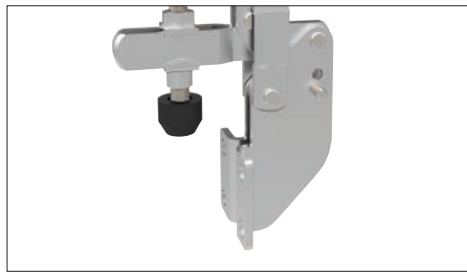
STEEL TOGGLE CLAMPS



Horizontal base



Vertical base



Angled base

Mounting Base Variations



Vertical acting



Horizontal acting



Push-pull

Clamping Variations



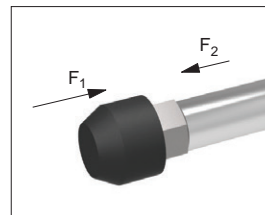
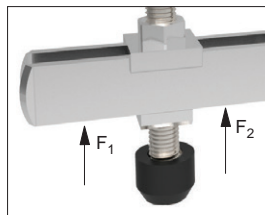
Hook type



Latch type

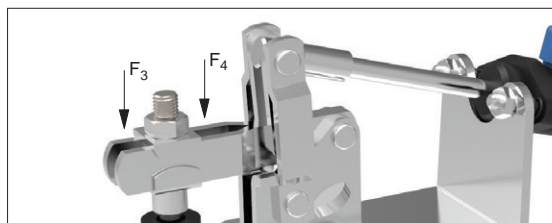
Explanation of forces

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).



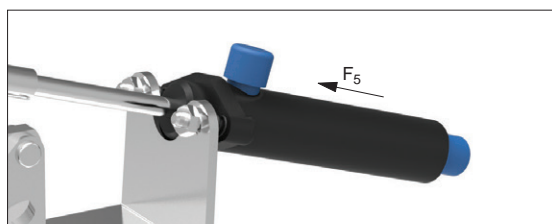
Holding Forces F_1 or F_2

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

ov-W40000.1-A-T-W42070-A-T-b-rmh- Updated -27-10-2022



Quality Features



Ergonomic soft grip
2-component handle



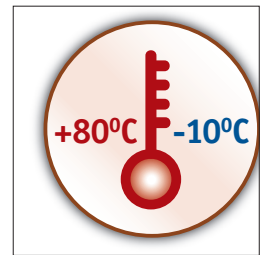
Stainless rivets and
hardened bushings



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.