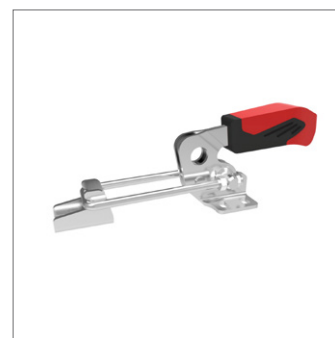
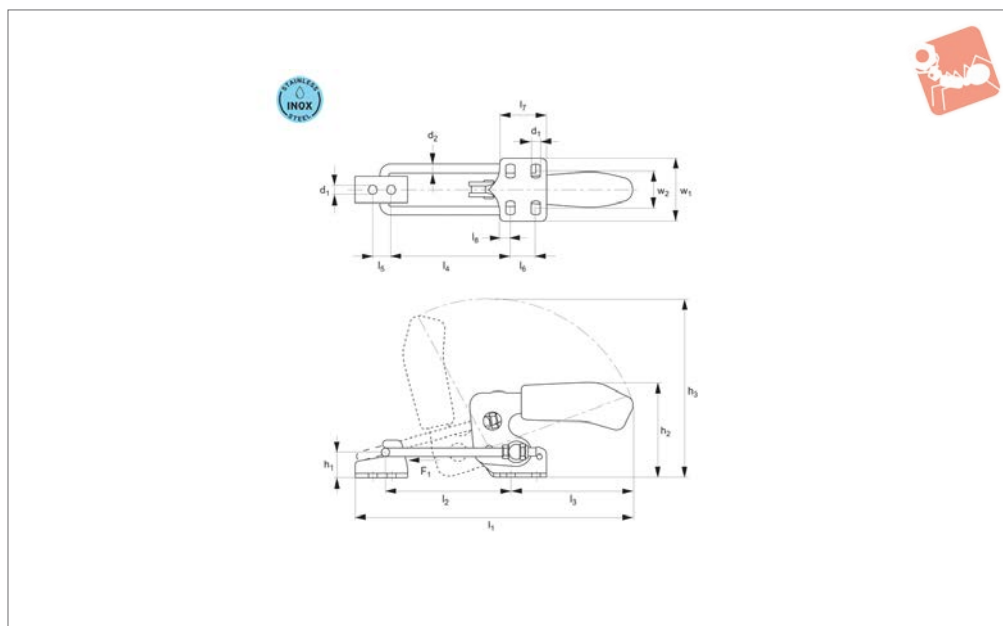




Latch Type Toggle Clamps

stainless steel - horizontal acting

Stainless Steel Toggle Clamps



41801.4

STAINLESS STEEL TOGGLE CLAMPS

Material

Body: stainless steel (AISI 304, 1.4301).
Rivets: stainless steel running in hardened bushes. Pre-lubricated bearings.

Ergonomic soft feel oil-resistant handle with large grip area.

Technical Notes

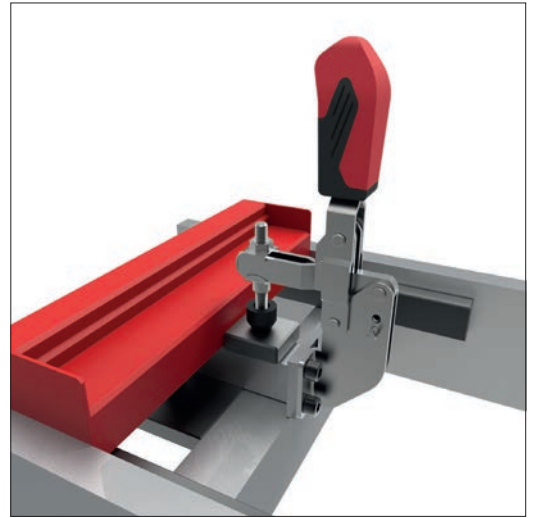
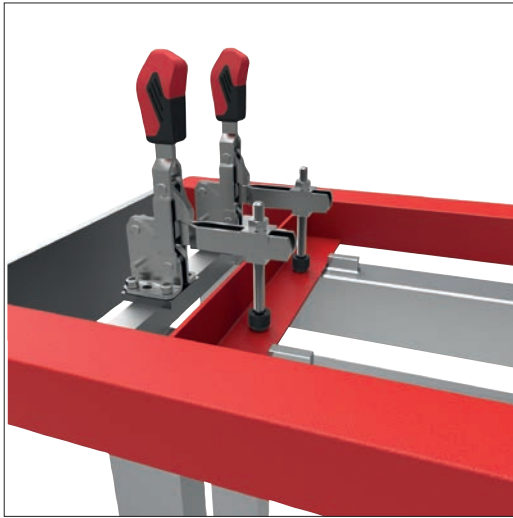
Complete with counter strike, see part no. 41811.W0312 - .W0314.
Temperature range -10°C to +80°C.

Order No.	Size	F ₁ kN	h ₁	h ₂	h ₃	l ₁ min.	l ₁ max.	l ₂ min.	l ₂ max.	Weight g
41801.W0302	2	1.6	12	47.0	99	125	159	42.0	76	120
41801.W0303	3	3.2	19	71.0	137	170	217	53.5	101	330
41801.W0304	4	7.0	26	94.5	171	212	276	66.0	130	810

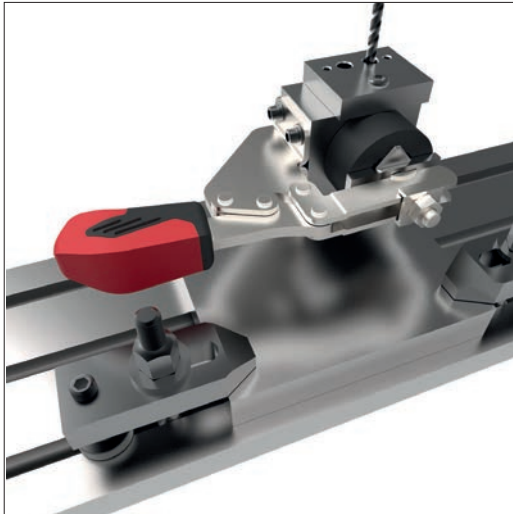
Order No.	l ₃	l ₄ min.	l ₄ max.	l ₅	l ₆	l ₇	l ₈	w ₁	w ₂	d ₁	d ₂
41801.W0302	69	38.0	72	11	13	26.0	6.4	38.0	19,5-23,5	5.2	4
41801.W0303	94	48.5	96	14	19	35.0	8.0	48.0	24,5-32,5	6.5	6
41801.W0304	114	59.0	123	19	32	53.5	9.5	64.5	35,0-46,0	8.5	8



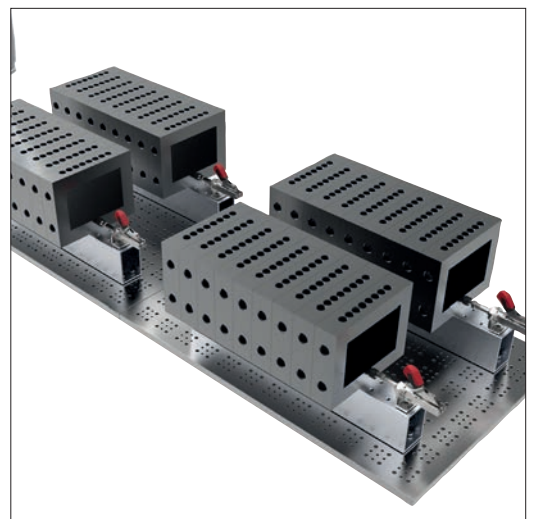
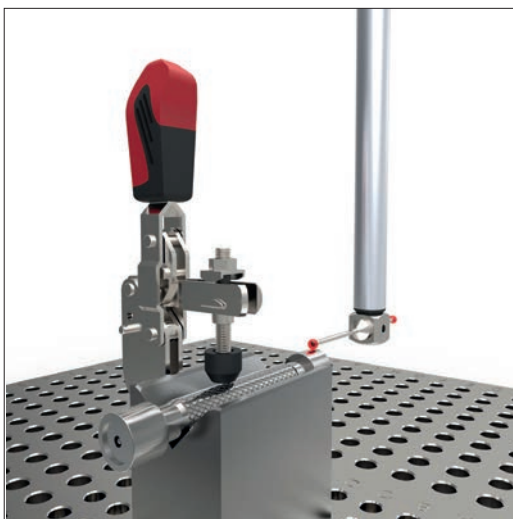
Welding Fixtures



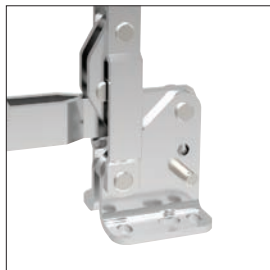
Machining and Jig Assemblies



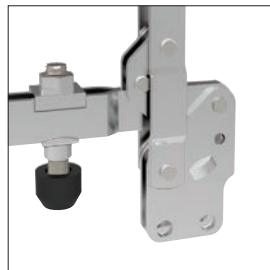
Cmm's



STAINLESS STEEL TOGGLE CLAMPS



Horizontal base



Vertical base



Angled base

Mounting Base Variations



Vertical acting



Horizontal acting



Push-pull

Clamping Variations



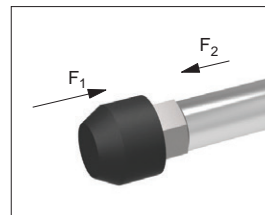
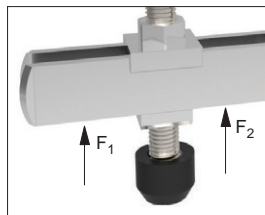
Hook type



Latch type

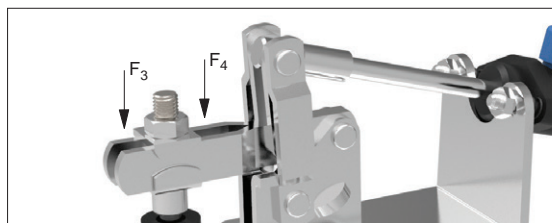
Explanation of forces

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).



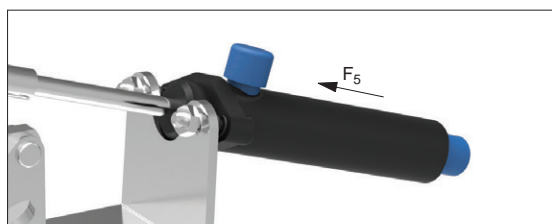
Holding Forces F_1 or F_2

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

STAINLESS STEEL TOGGLE CLAMPS

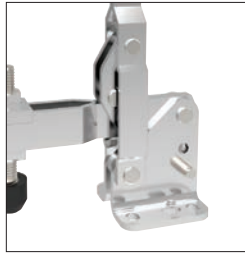
ov-W40000.1-A-T-W42070-A-T-b-rmh- Updated -27-10-2022



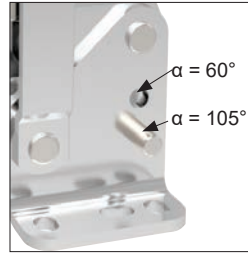
Quality Features



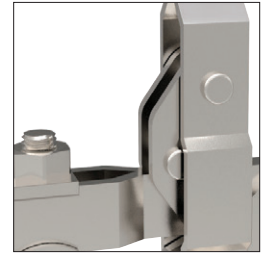
Ergonomic soft grip
2-component handle



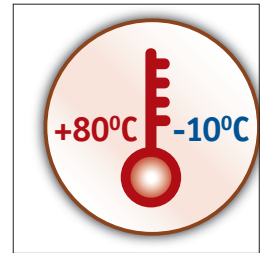
Stainless rivets and
hardened bushings



Moveable stop for
variable opening angle



Operator
finger protection



Temperature resistant

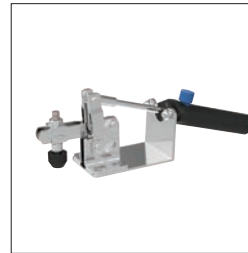
Unique Features



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.