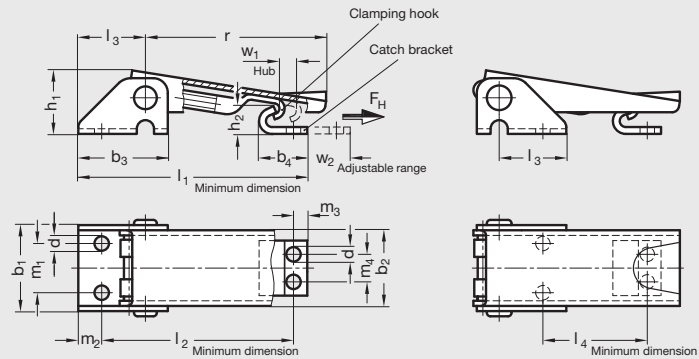


# GN 831 | Steel Toggle Latches

Metric Size • With Adjustable Grip



NEW



ISO 9001 Supplier

RoHS Compliant

## Toggle latch assembly

Zinc-plated steel, blue passivated

All mobile sections lubricated with a special grease

The catch bracket is part of the latch assembly

## Available in

### Type A

without safety catch

### Type S

with safety catch

### Type SV

with padlock

Each type above available in both Type 1, long version and Type 2, short version

GN 831 toggle latches are used for the secure holding of flaps, container lids, etc. They lock securely over the center and are thus vibration proof. A versatile, low profile design.

The stroke  $w_1$  of the latch hook can pull the parts to be clamped together by up to 5 mm. The range  $w_2$  can be adjusted on the M 5 threaded spindle of the latch hook.

The load specified in the table is simply a guideline value for the nominal static pulling force the latch can withstand. The holding capacity can be adversely affected by the conditions under which the latch is used, such as vibration or shock loads.

Long version: Toggle latch mounting plate holes exposed when latch is in closed position.

Short version: Toggle latch mounting plate is flipped 180° and mounting holes are hidden under latch in closed position.

For stainless steel version see GN 831-NI, page 881.

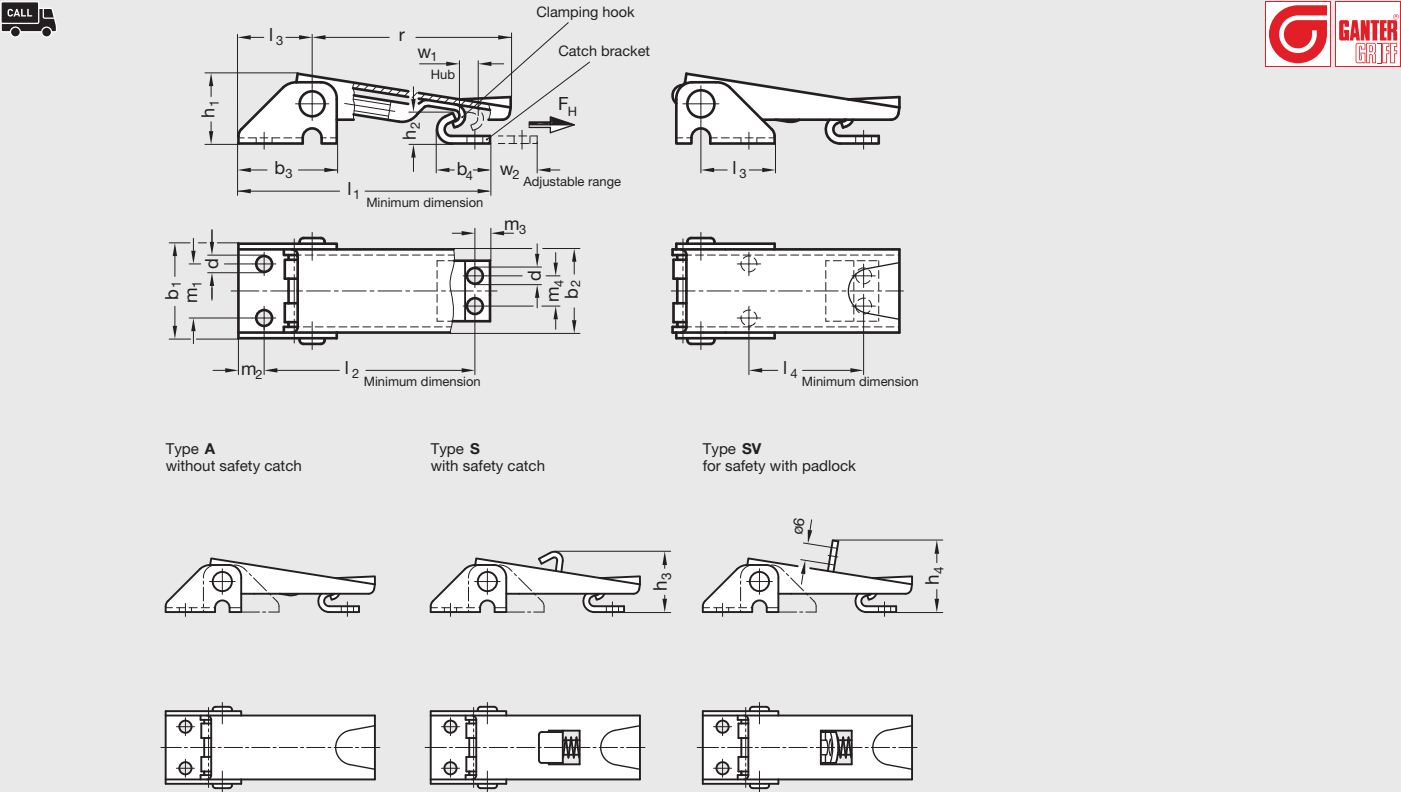
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## Type A – Without Safety Catch

Dimensions in: millimeters (*inches*)

Part Number		Size Ref.	Holding Capacity FH[N]	$b_1$	$b_2$	$b_3$	$b_4$	$d$	$h_1$	$h_2$	$l_1$ min
Type 1 Long	Type 2 Short										
101ENH3/A	101ENH2/A	100	1000	25.5 (1.00)	22 (.87)	26 (1.02)	14 (.55)	4.2 (.16)	18.5 (.73)	8.5 (.33)	67 (2.64)

Size Ref.	$l_2$ min (long)	$l_3$	$l_4$ min. (short)	$m_1$	$m_2$	$m_3$	$m_4$	$r$	$w_1$ ~ Hub Stroke	$w_2$ Adjustment Range
100	56 (2.20)	19.5 (.77)	31 (1.22)	14.3 (.56)	7 (.28)	4 (.16)	8 (.32)	51 (2.01)	5.5 (.22)	12 (.47)



Type S – With Safety Catch

Dimensions in: millimeters (inches)

Part Number		Size Ref.	Holding Capacity FH[N]	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	d	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	l <sub>1</sub> min
Type 1 Long	Type 2 Short											
101ENH3/S	101ENH2/S	100	1000	25.5 (1.00)	22 (.87)	26 (1.02)	14 (.55)	4.2 (.16)	18.5 (.73)	8.5 (.33)	21.5 (.85)	67 (2.64)

Size Ref.	l <sub>2</sub> min (long)	l <sub>3</sub>	l <sub>4</sub> min. (short)	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	m <sub>4</sub>	r	w <sub>1</sub> ~ Hub Stroke	w <sub>2</sub> Adjustment Range
100	56 (2.20)	19.5 (.77)	31 (1.22)	14.3 (.56)	7 (.28)	4 (.16)	8 (.32)	51 (2.01)	5.5 (.22)	12 (.47)

Type SV – With Padlock

Dimensions in: millimeters (inches)

Part Number		Size Ref.	Holding Capacity FH[N]	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	d	h <sub>1</sub>	h <sub>2</sub>	h <sub>4</sub>	l <sub>1</sub> min
Type 1 Long	Type 2 Short											
101ENH3/SV	101ENH2/SV	100	1000	25.5 (1.00)	22 (.87)	26 (1.02)	14 (.55)	4.2 (.16)	18.5 (.73)	8.5 (.33)	25.5 (1.00)	67 (2.64)

Size Ref.	l <sub>2</sub> min (long)	l <sub>3</sub>	l <sub>4</sub> min. (short)	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	m <sub>4</sub>	r	w <sub>1</sub> ~ Hub Stroke	w <sub>2</sub> Adjustment Range
100	56 (2.20)	19.5 (.77)	31 (1.22)	14.3 (.56)	7 (.28)	4 (.16)	8 (.32)	51 (2.01)	5.5 (.22)	12 (.47)