



SS Stainless Steel

**Metric table**



Dimensions in: millimeters - inches

Size	F <sub>H</sub> Holding capacity	b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	b <sub>6</sub>	b <sub>7</sub>	d <sub>1</sub>	d <sub>2</sub>	h <sub>1</sub> ≈	h <sub>2</sub> ≈
110	1100 N 247 lbf	30 1.18	24 0.94	52 2.05	35 1.38	37 1.46	19 0.75	36 1.42	5.2 0.20	4.2 0.17	20 0.79	13 0.51

Size	h <sub>3</sub>	l <sub>1</sub> min.	l <sub>2</sub>	l <sub>3</sub> min.	m <sub>1</sub>	m <sub>2</sub>	m <sub>3</sub>	m <sub>4</sub>	m <sub>5</sub>	r ≈	w <sub>1</sub> ≈ Stroke	w <sub>2</sub> ≈ Adjustable range
110	22 0.87	140 5.51	51 2.01	78 3.07	36 1.42	8 0.31	10 0.39	15 0.59	5.5 0.22	63 2.48	16 0.63	12 0.47

**Specification**



- Toggle latch  
Steel
- **GN 831.1**  
Zinc plated, blue passivated finish
- **GN 831.2**  
Nickel plated
- Stainless steel AISI 304
- *Stainless Steel Characteristics* → page 2143
- RoHS compliant

ST

NI

**Information**

GN 831.1 / GN 831.2 toggle latches are used for the secure holding of flaps, container lids, etc. They lock securely over the center and are thus vibration proof.

The safety mechanism for GN 831.2 gives additional protection against inadvertent opening of the catch.

The stroke w<sub>1</sub> of the clamping hook can pull the parts to be clamped together by up to 15 mm. The range w<sub>2</sub> can be adjusted on the M6 threaded spindle of the clamping 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.

The catch bracket is included.

How to order (Without safety catch) 1 2 <b>GN831.1-110-NI</b>	1	Size
	2	Material
How to order (With safety catch) 1 2 <b>GN831.2-110-ST</b>	1	Size
	2	Material