

SS Stainless Steel

2 Type

- A** Without safety catch
- S** With safety catch
- SV** For safety with padlock

4 Identification no.

- 1** Long type
- 2** Short type

Metric table



Dimensions in: millimeters - inches

| Size | F _H Holding capacity | b ₁ | b ₂ | b ₃ | b ₄ | d | h ₁ | h ₂ | h ₃ | h ₄ | l ₁ min. Identification no. 1 | | l ₂ min. Identification no. 1 | |
|------|------------------------------------|----------------|----------------|----------------|----------------|-------------|----------------|----------------|----------------|----------------|---|------------|---|------------|
| | | | | | | | | | | | Type A Type SV | Type S | Type A Type SV | Type S |
| 100 | 1000 N 225 lbf | 25.5 1.00 | 22 0.87 | 26 1.02 | 14 0.55 | 4.2 0.17 | 18.5 0.73 | 8.5 0.33 | 21.5 0.85 | 25.5 1.00 | 67 2.64 | 74 2.91 | 56 2.20 | 63 2.48 |

| Size | l ₃ | l ₄ min. Identification no. 2 | | l ₅ min. Identification no. 2 | | m ₁ | m ₂ | m ₃ | m ₄ | r | w ₁ ≈ Stroke | w ₂ ≈ Adjustable range | |
|------|----------------|---|------------|---|------------|----------------|----------------|----------------|----------------|------------|----------------------------|--------------------------------------|-----------|
| | | Type A Type SV | Type S | Type A Type SV | Type S | | | | | | | Type A Type SV | Type S |
| 100 | 19.5 0.77 | 31 1.22 | 38 1.50 | 54 2.13 | 61 2.40 | 14.3 0.56 | 7 0.28 | 4 0.16 | 8 0.31 | 51 2.01 | 5.5 0.22 | 12 0.47 | 8 0.31 |

Specification



- Toggle latch
Steel, zinc plated, blue passivated finish **ST**
- Stainless steel **NI**
 - Parts in sheet metal
AISI 304
 - Clamping hook / pivot pin
AISI 303
- *Stainless Steel Characteristics* → page 2143
- **RoHS compliant**

Information

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.

The stroke w₁ of the clamping hook can pull the parts to be clamped together by up to 5 mm. The range w₂ can be adjusted on the M5 threaded spindle of the clamping hook.

The types S and SV prevent unwanted release of the toggle latch.

Screws with low head height such as DIN 6912 are used to fix the toggle latches.

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

GN831-100-SV-ST-2

| | |
|----------|--------------------|
| 1 | Size |
| 2 | Type |
| 3 | Material |
| 4 | Identification no. |

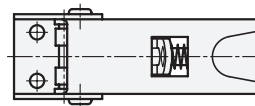
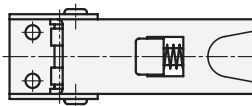
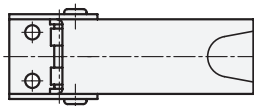
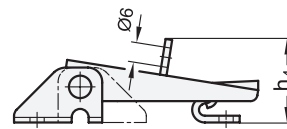
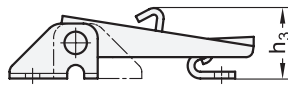
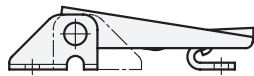


The respective long versions (Identification no. 1) are pictured

Type A
without safety catch

Type S
with safety catch

Type SV
for safety with padlock



1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

