

SS Stainless Steel

3 Type

- A** Without spring cotter pin
- B** With spring cotter pin

Metric table

Dimensions in: millimeters - inches

b₁	F_H Holding capacity	b₂	d₁	d₂	h	l₁ ≈	l₂	l₃	l₄	m₁	m₂	m₃	m₄	m₅	m₆	w ≈
15 <i>0.59</i>	100 N <i>22.48 lbf</i>	9.5 <i>0.37</i>	3.4 <i>0.13</i>	1.4 <i>0.06</i>	8 <i>0.31</i>	53 <i>2.09</i>	25 <i>0.98</i>	17 <i>0.67</i>	31.5 <i>1.24</i>	9.5 <i>0.37</i>	13.5 +0.3 <i>0.53 +0.0118</i>	6.2 <i>0.24</i>	-	8.5 <i>0.33</i>	3 <i>0.12</i>	11 <i>0.43</i>
20 <i>0.79</i>	300 N <i>67.44 lbf</i>	13 <i>0.51</i>	3.4 <i>0.13</i>	1.8 <i>0.07</i>	10 <i>0.39</i>	76 <i>2.99</i>	34 <i>1.34</i>	25 <i>0.98</i>	44 <i>1.73</i>	8 <i>0.31</i>	29 +0.5 <i>1.14 +0.0197</i>	8 <i>0.31</i>	-	22 <i>0.87</i>	4 <i>0.16</i>	9 <i>0.35</i>
29 <i>1.14</i>	600 N <i>135 lbf</i>	20 <i>0.79</i>	4.2 <i>0.17</i>	2.5 <i>0.10</i>	15 <i>0.59</i>	111 <i>4.37</i>	56 <i>2.20</i>	35 <i>1.38</i>	67 <i>2.64</i>	20 <i>0.79</i>	38.8 +0.5 <i>1.53 +0.0197</i>	13 <i>0.51</i>	-	28 <i>1.10</i>	7 <i>0.28</i>	11 <i>0.43</i>
40 <i>1.57</i>	1200 N <i>270 lbf</i>	29 <i>1.14</i>	4.2 <i>0.17</i>	3 <i>0.12</i>	20 <i>0.79</i>	152 <i>5.98</i>	80 <i>3.15</i>	49 <i>1.93</i>	89 <i>3.50</i>	32 <i>1.26</i>	57.3 +0.5 <i>2.26 +0.0197</i>	16 <i>0.63</i>	14 <i>0.55</i>	40 <i>1.57</i>	11 <i>0.43</i>	19 <i>0.75</i>

Specification

- Toggle latch
 - Steel, zinc plated, blue passivated finish **ST**
 - Stainless steel AISI 304 **NI**
- *Stainless Steel Characteristics* → page QVX
- **RoHS compliant**

Accessory

- Spring cotter pins GN 8330.1 → page XYZ

Information

The outstanding features of GN 8330 toggle latches are, superior functionality and design. The integrated spring mechanism holds the locking lever and the clamping hook in the open position and allows effortless operation.

Once the dead center is exceeded, the elasticity of the sheet metal parts will cause the latch hook to close. In the clamped position, the required drill hole spacing is m₂.

With the stroke w of the clamping hook, the components to be joined can be drawn together during clamping.

The locking mechanism can be secured against opening inadvertently using spring cotter pins. The spring cotter pin is placed into the d₂ bore hole. Where required, a lead seal with wire may also be attached via d₂.

The retaining force given in the table is a guide value for the potentially static tensile stress load acting on the toggle latch. Depending on the conditions of use (e.g. when exposed to vibrations or shock impact), the retaining force may be impaired.

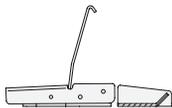
How to order (Steel)

GN 8330-20-ST-A

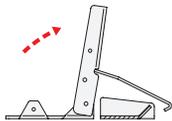
1	Width b ₁
2	Material
3	Type



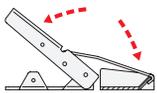
Description of function



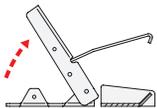
If not operated (i.e. not in the clamping position), both the locking lever and the clamping hook are held in the position shown, kept in place by two torsion springs.



Lifting the locking lever will swivel the clamping hook into the level of the catch bracket.



For the clamping action, the clamping hook is pressed into the catch bracket and the locking lever is at the same time turned into the starting (retaining) position.

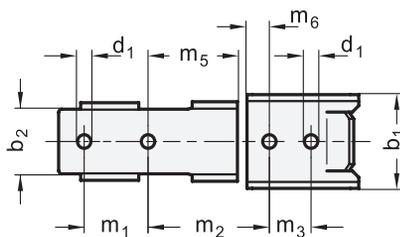


To release, simply lift the locking lever.

Information

Screws with low-lying flat head must be used to guarantee the proper function. The hole pattern also allows the assembly using blank rivets.

Hole pattern for $b_1 = 15 / 20 / 29$ mm



Hole pattern for $b_1 = 40$ mm

