


## 2 Type

T6 With mounting holes, with U-bolt latch, with catch
T With mounting holes, without U-bolt latch, with catch
T6S For welding, with U-bolt latch, with catch
TS For welding, without U-bolt latch, with catch

## Metric table

1
Dimensions in: millimeters - inches

| Size | $F_{H}$ Holding capacity | $\mathrm{a}_{1}$ | $\mathrm{a}_{2}$ | $\mathrm{b}_{1}$ | $\mathrm{b}_{2}$ | $\mathrm{b}_{3}$ | $\mathrm{b}_{4}$ | $\mathrm{b}_{5}$ | $\mathrm{b}_{6}$ | $\mathrm{b}_{7}$ | $\mathrm{b}_{8}$ | $d_{1}$ Thread | $\mathrm{d}_{2}$ | $\mathrm{d}_{3}$ | $h_{1} \approx$ | $\mathrm{h}_{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1700 | $\begin{gathered} 17000 \text { N } \\ 3822 \text { lbf } \end{gathered}$ | $\begin{array}{r} 22 \\ .87 \end{array}$ | $\begin{array}{r} 21 \\ .83 \end{array}$ | $\begin{aligned} & 68 \\ & 2.68 \end{aligned}$ | $\begin{aligned} & 64 \\ & 2.52 \end{aligned}$ | $\begin{aligned} & 46 \\ & 1.81 \end{aligned}$ | $\begin{aligned} & 48 \\ & 1.89 \end{aligned}$ | $\begin{aligned} & 28 \\ & 1.10 \end{aligned}$ | $\begin{gathered} 26.5 \\ 1.04 \end{gathered}$ | $\begin{aligned} & 38 \\ & 1.50 \end{aligned}$ | $\begin{aligned} & 17 \\ & .67 \end{aligned}$ | M 10 | $\begin{gathered} 8.5 \\ .33 \end{gathered}$ | 14 $\text { . } 55$ | $\begin{aligned} & 55 \\ & 2.17 \end{aligned}$ | $\begin{gathered} 34.5 \\ 1.36 \end{gathered}$ |
| 4000 | $\begin{aligned} & 40000 \mathrm{~N} \\ & 8992 \mathrm{lbf} \end{aligned}$ | $\begin{aligned} & 28 \\ & 1.10 \end{aligned}$ | $\begin{gathered} 27 \\ 1.06 \end{gathered}$ | $\begin{aligned} & 85 \\ & 3.35 \end{aligned}$ | $\begin{aligned} & 80 \\ & 3.15 \end{aligned}$ | $\begin{aligned} & 55 \\ & 2.17 \end{aligned}$ | $\begin{aligned} & 60 \\ & 2.36 \end{aligned}$ | $\begin{gathered} 34 \\ 1.34 \end{gathered}$ | $\begin{aligned} & 32 \\ & 1.26 \end{aligned}$ | $\begin{aligned} & 50 \\ & 1.97 \end{aligned}$ | $\begin{array}{r} 20 \\ .79 \end{array}$ | M 12 | $\begin{array}{r} 10.5 \\ .41 \end{array}$ | $\begin{array}{r} 16 \\ .63 \end{array}$ | $\begin{aligned} & 68 \\ & 2.68 \end{aligned}$ | $\begin{gathered} 42.5 \\ 1.67 \end{gathered}$ |


| Size | $\mathrm{I}_{1} \approx$ |  | $I_{2}$ <br> min. | $\mathrm{I}_{3} \approx$ | $\mathrm{m}_{1}$ | $\mathrm{m}_{2}$ | $\mathrm{m}_{3}$ | $\mathrm{m}_{4}$ | $\mathrm{m}_{5}$ |  | s | t | $\mathbf{w}_{1}$ <br> Stroke | $\mathbf{w}_{2} \approx$ <br> Adjustable range |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Type } \\ & \text { T6S / TS } \end{aligned}$ | $\begin{aligned} & \text { Type } \\ & \text { T6 / T } \end{aligned}$ |  |  |  |  |  |  |  | at $\mathrm{w}_{2}=0$ |  |  |  |  |
| 1700 | $\begin{aligned} & 218 \\ & 8.58 \end{aligned}$ | $\begin{aligned} & 223 \\ & 8.78 \end{aligned}$ | $\begin{aligned} & 33 \\ & 1.30 \end{aligned}$ | $\begin{array}{r} 129 \\ 5.08 \end{array}$ | $\begin{aligned} & 45 \\ & 1.77 \end{aligned}$ | $\begin{aligned} & 11.5 \\ & .45 \end{aligned}$ | $\begin{aligned} & 45 \\ & 1.77 \end{aligned}$ | $\begin{aligned} & 10 \\ & .39 \end{aligned}$ | $\begin{aligned} & 28 \\ & 1.10 \end{aligned}$ | $\begin{aligned} & 96 \\ & 3.78 \end{aligned}$ | $\begin{aligned} & 7 \\ & .28 \end{aligned}$ | $\begin{aligned} & 2 \\ & .08 \end{aligned}$ | $\begin{aligned} & 54 \\ & 2.13 \end{aligned}$ | $15$ $.59$ |
| 4000 | $\begin{aligned} & 266 \\ & 10.47 \end{aligned}$ | $\begin{aligned} & 271 \\ & 10.67 \end{aligned}$ | $\begin{aligned} & 30 \\ & 1.18 \end{aligned}$ | $151$ <br> 5.94 | $\begin{aligned} & 57 \\ & 2.24 \end{aligned}$ | $14$ $.55$ | $\begin{aligned} & 57 \\ & 2.24 \end{aligned}$ | $\begin{aligned} & 12.5 \\ & .49 \end{aligned}$ | $\begin{aligned} & 35 \\ & 1.38 \end{aligned}$ | $\begin{aligned} & 107 \\ & 4.21 \end{aligned}$ | $9$ $.35$ | $2$ | $\begin{aligned} & 62 \\ & 2.44 \end{aligned}$ | $\begin{array}{r} 25 \\ .98 \end{array}$ |

## Specification

- Base, fixed catch and clamping arm Steel C22
- Forged
- Black lacquered (Type T6 / T)
- Blackened finish (Type T6S / TS)
- U-bolt latch and bearing bolt Steel St 37
Zinc plated, blue passivated finish
- All moving parts lubricated with special grease
- RoHS compliant


## Information

GN 852.3 latch type toggle clamps are compact in design and can be used to ensure high holding capacities.

The circular movement of the handle is transformed into linear action of the latch.
In the clamped position the U-bolt latch with clamping arm is parallel to the plane of the operating handle.

When the toggle clamp is clamped, a safety hook positively locks onto the body. This prevents inadvertent or vibration-induced release from the clamping position. Unlocking of the safety hook is achieved by one-hand operation.
The stroke of the U-bolt latch of these toggle clamps can be adjusted within its range
In addition to the standard lengths of the $U$-bolt latch shown in the table, a variety of other lengths are also available under the GN 951.1 Square U-Bolts series.
see also...

- General Information for Toggle Clamps
- Square U-Bolts GN 951.2 (Special Latch)

| How to order | 1 | 1 |
| :--- | :--- | :--- |
| GN 852.3-1700-T6 | 2 | Type |



