



SS Stainless Steel

CE

**Specification**

- Steel **ST**
  - Pin / shackle
  - Heat-treated
  - Manganese phosphated
- Stainless steel **NI**
  - Pin
  - AISI 630
  - Age-hardened
  - Shackle
  - AISI 316Ti
- Push button
  - Aluminum, red anodized finish
- Spring
  - Stainless steel
- *Stainless Steel Characteristics* → page 2143
- *RoHS compliant*



**Information**

GN 1130 lifting pins are designed for fast and easy use. Pressing the red aluminum button will release the locking balls, allowing the pin to be moved in or out of the location hole. The shackle can be rotated by at least 180°, with a safety flange fitted as a safeguard against inadvertent operation. Depending on the tension direction, the lifting pin can be freely rotated by 360° in the location hole.

Lifting gear that remains permanently on the workpiece, e.g. lifting eye bolts, is no longer required. With appropriate material strength, location holes with  $d_1$  H11 are sufficient for use. GN 1132 holding bushings are also available for use with these lifting pins.

The operating instruction contains further guidelines and is included with every lifting pin (see also at [www.jwwinco.com/service](http://www.jwwinco.com/service)).

**On request**

- Holding bushings GN 1132 → page 1604

|                        |                      |
|------------------------|----------------------|
| How to order           | 1 Pin diameter $d_1$ |
| <b>GN 1130-8-10-ST</b> | 2 Length $l_1$       |
|                        | 3 Material           |

**Metric table**

Dimensions in: millimeters - inches

| d <sub>1</sub> <sup>-0.04<br/>-0.06</sup> | l <sub>1</sub> +1 | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub><br>min. | h <sub>1</sub> | h <sub>2</sub> | h <sub>3</sub> | h <sub>4</sub> | k <sub>1</sub> | k <sub>2</sub> | k <sub>3</sub> | l <sub>2</sub> | x<br>min.  | y           | Nominal load *     |                    |                    |
|---|-------------------|----------------|----------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|-------------|--------------------|--------------------|--------------------|
|   |                   |                |                |                        |                |                |                |                |                |                |                |                |            |             | F <sub>1</sub>     | F <sub>2</sub>     | F <sub>3</sub>     |
| 8<br>0.31                                 | 10<br>0.39        | 9.35<br>0.37   | 21.5<br>0.85   | 9.9<br>0.39            | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 8.75<br>0.34   | 5<br>0.20  | 1.5<br>0.06 | 1.5 kN<br>337 lbf  | 1.2 kN<br>270 lbf  | 0.5 kN<br>112 lbf  |
| 8<br>0.31                                 | 15<br>0.59        | 9.35<br>0.37   | 21.5<br>0.85   | 9.9<br>0.39            | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 8.75<br>0.34   | 5<br>0.20  | 1.5<br>0.06 | 1.5 kN<br>337 lbf  | 1.2 kN<br>270 lbf  | 0.5 kN<br>112 lbf  |
| 8<br>0.31                                 | 25<br>0.98        | 9.35<br>0.37   | 21.5<br>0.85   | 9.9<br>0.39            | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 8.75<br>0.34   | 10<br>0.39 | 1.5<br>0.06 | 1.5 kN<br>337 lbf  | 1.2 kN<br>270 lbf  | 0.5 kN<br>112 lbf  |
| 8<br>0.31                                 | 35<br>1.38        | 9.35<br>0.37   | 21.5<br>0.85   | 9.9<br>0.39            | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 8.75<br>0.34   | 20<br>0.79 | 1.5<br>0.06 | 1.5 kN<br>337 lbf  | 1.2 kN<br>270 lbf  | 0.5 kN<br>112 lbf  |
| 10<br>0.39                                | 15<br>0.59        | 11.7<br>0.46   | 21.5<br>0.85   | 12.2<br>0.48           | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 10.2<br>0.40   | 5<br>0.20  | 1.5<br>0.06 | 2.7 kN<br>607 lbf  | 2.4 kN<br>540 lbf  | 2.1 kN<br>472 lbf  |
| 10<br>0.39                                | 25<br>0.98        | 11.7<br>0.46   | 21.5<br>0.85   | 12.2<br>0.48           | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 10.2<br>0.40   | 15<br>0.59 | 1.5<br>0.06 | 2.7 kN<br>607 lbf  | 2.4 kN<br>540 lbf  | 2.1 kN<br>472 lbf  |
| 10<br>0.39                                | 35<br>1.38        | 11.7<br>0.46   | 21.5<br>0.85   | 12.2<br>0.48           | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 10.2<br>0.40   | 25<br>0.98 | 1.5<br>0.06 | 2.7 kN<br>607 lbf  | 2.4 kN<br>540 lbf  | 2.1 kN<br>472 lbf  |
| 10<br>0.39                                | 50<br>1.97        | 11.7<br>0.46   | 21.5<br>0.85   | 12.2<br>0.48           | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 10.2<br>0.40   | 40<br>1.57 | 1.5<br>0.06 | 2.7 kN<br>607 lbf  | 2.4 kN<br>540 lbf  | 2.1 kN<br>472 lbf  |
| 12<br>0.47                                | 15<br>0.59        | 14.2<br>0.56   | 21.5<br>0.85   | 14.7<br>0.58           | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 11<br>0.43     | 5<br>0.20  | 1.5<br>0.06 | 3.5 kN<br>787 lbf  | 3.2 kN<br>719 lbf  | 2.8 kN<br>629 lbf  |
| 12<br>0.47                                | 25<br>0.98        | 14.2<br>0.56   | 21.5<br>0.85   | 14.7<br>0.58           | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 11<br>0.43     | 10<br>0.39 | 1.5<br>0.06 | 3.5 kN<br>787 lbf  | 3.2 kN<br>719 lbf  | 2.8 kN<br>629 lbf  |
| 12<br>0.47                                | 35<br>1.38        | 14.2<br>0.56   | 21.5<br>0.85   | 14.7<br>0.58           | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 11<br>0.43     | 20<br>0.79 | 1.5<br>0.06 | 3.5 kN<br>787 lbf  | 3.2 kN<br>719 lbf  | 2.8 kN<br>629 lbf  |
| 12<br>0.47                                | 50<br>1.97        | 14.2<br>0.56   | 21.5<br>0.85   | 14.7<br>0.58           | 87.5<br>3.44   | 38.5<br>1.52   | 25.7<br>1.01   | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 11<br>0.43     | 35<br>1.38 | 1.5<br>0.06 | 3.5 kN<br>787 lbf  | 3.2 kN<br>719 lbf  | 2.8 kN<br>629 lbf  |
| 16<br>0.63                                | 25<br>0.98        | 18.6<br>0.73   | 25<br>0.98     | 19.2<br>0.76           | 92.8<br>3.65   | 47.5<br>1.87   | 31<br>1.22     | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 15.1<br>0.59   | 10<br>0.39 | 1.5<br>0.06 | 4.8 kN<br>1079 lbf | 4.5 kN<br>1012 lbf | 4.1 kN<br>922 lbf  |
| 16<br>0.63                                | 50<br>1.97        | 18.6<br>0.73   | 25<br>0.98     | 19.2<br>0.76           | 92.8<br>3.65   | 47.5<br>1.87   | 31<br>1.22     | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 15.1<br>0.59   | 15<br>0.59 | 1.5<br>0.06 | 4.8 kN<br>1079 lbf | 4.5 kN<br>1012 lbf | 4.1 kN<br>922 lbf  |
| 16<br>0.63                                | 75<br>2.95        | 18.6<br>0.73   | 25<br>0.98     | 19.2<br>0.76           | 92.8<br>3.65   | 47.5<br>1.87   | 31<br>1.22     | 27<br>1.06     | 9.5<br>0.37    | 49<br>1.93     | 30<br>1.18     | 15.1<br>0.59   | 35<br>1.38 | 1.5<br>0.06 | 4.8 kN<br>1079 lbf | 4.5 kN<br>1012 lbf | 4.1 kN<br>922 lbf  |
| 20<br>0.79                                | 50<br>1.97        | 24.5<br>0.96   | 30<br>1.18     | 25<br>0.98             | 114<br>4.49    | 55.9<br>2.20   | 36.5<br>1.44   | 32.6<br>1.28   | 11<br>0.43     | 56<br>2.20     | 36<br>1.42     | 19.7<br>0.78   | 25<br>0.98 | 1.5<br>0.06 | 10 kN<br>2248 lbf  | 8.5 kN<br>1911 lbf | 6.5 kN<br>1461 lbf |
| 20<br>0.79                                | 75<br>2.95        | 24.5<br>0.96   | 30<br>1.18     | 25<br>0.98             | 114<br>4.49    | 55.9<br>2.20   | 36.5<br>1.44   | 32.6<br>1.28   | 11<br>0.43     | 56<br>2.20     | 36<br>1.42     | 19.7<br>0.78   | 45<br>1.77 | 1.5<br>0.06 | 10 kN<br>2248 lbf  | 8.5 kN<br>1911 lbf | 6.5 kN<br>1461 lbf |

\* With five-fold safety against breakage

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10

