



SS Stainless Steel

Inch table

1 d ₁ Thread	2 l ₁	d ₂ -0.003	d ₃	d ₄	d ₅	h ₁	h ₂	h ₃	h ₄	k ₁	k ₂	k ₃	l ₂	l ₃	Max. torque in Nm	Nominal load *			
																F ₁ ST	NI	F ₂	F ₃
1/2 x 13	0.669 17	0.416 10.57	0.787 20	1.496 38	1.319 33.5	4.870 123.7	2.161 54.9	1.012 25.7	1.673 42.5	0.433 11	2.677 68	1.811 46	0.945 24	0.472 12	2	1529 lbf 6.8 kN	1529 lbf 6.8 kN	764 lbf 3.4 kN	607 lbf 2.7 kN
3/4 x 10	0.866 22	0.640 16.26	1.378 35	2.323 59	1.969 50	6.594 167.5	2.902 73.7	1.437 36.5	2.189 55.6	0.610 15.5	4.016 102	2.756 70	1.181 30	0.669 17	3	3619 lbf 16.1 kN	3619 lbf 16.1 kN	1731 lbf 7.7 kN	1124 lbf 5.0 kN
1 x 8**	1.063 27	0.863 21.92	1.378 35	2.323 59	1.969 50	6.811 173	3.118 79.2	1.654 42	2.189 55.6	0.610 15.5	4.016 102	2.756 70	1.417 36	0.866 22	3	4159 lbf 18.5 kN	4047 lbf 18 kN	3147 lbf 14 kN	2226 lbf 9.9 kN

Dimensions in: inches - millimeters

* With five-fold safety against breakage

** From 302 °F (150 °C) linear decrease of load-carrying capacity by 23%

Metric table

1 d ₁ Thread	2 l ₁	d ₂ -0.07	d ₃	d ₄	d ₅	h ₁	h ₂	h ₃	h ₄	k ₁	k ₂	k ₃	l ₂	l ₃	Max. torque in Nm	Nominal load *		
																F ₁	F ₂	F ₃
M 8	12 0.472	6.62 0.261	20 0.787	38 1.496	33.5 1.319	123.7 4.870	54.9 2.161	25.7 1.012	42.5 1.673	11 0.433	68 2.677	46 1.811	17.8 0.701	8 0.315	2	2.1 kN 472 lbf	0.9 kN 202 lbf	0.8 kN 180 lbf
M 10	14 0.551	8.35 0.329	20 0.787	38 1.496	33.5 1.319	123.7 4.870	54.9 2.161	25.7 1.012	42.5 1.673	11 0.433	68 2.677	46 1.811	20 0.787	10 0.394	2	3.9 kN 877 lbf	1.5 kN 337 lbf	1.5 kN 337 lbf
M 12	17 0.669	10.07 0.396	20 0.787	38 1.496	33.5 1.319	123.7 4.870	54.9 2.161	25.7 1.012	42.5 1.673	11 0.433	68 2.677	46 1.811	24 0.945	12 0.472	2	6.2 kN 1394 lbf	2.5 kN 562 lbf	2.3 kN 517 lbf
M 16	17 0.669	13.8 0.543	20 0.787	38 1.496	33.5 1.319	123.7 4.870	54.9 2.161	25.7 1.012	42.5 1.673	11 0.433	68 2.677	46 1.811	24 0.945	12 0.472	2	8.4 kN 1888 lbf	4.5 kN 1012 lbf	4.2 kN 944 lbf
M 20	22 0.866	17.25 0.679	35 1.378	59 2.323	50 1.969	167.5 6.594	73.7 2.902	36.5 1.437	55.6 2.189	15.5 0.610	102 4.016	70 2.756	30 1.181	17 0.669	3	16.6 kN 3732 lbf	7.7 kN 1731 lbf	5.0 kN 1124 lbf

Dimensions in: millimeters - inches

* With five-fold safety against breakage

Specification

- Steel **ST**
 - Pin / shackle
 - Heat-treated
 - Manganese phosphated
- Stainless steel **NI**
 - Pin, AISI 630
 - Precipitation hardened
 - Shackle, AISI 316Ti
- Threaded segments
 - Stainless steel AISI 630
 - Precipitation hardened
- Push button
 - Aluminum, orange anodized
- Spring
 - Stainless steel
- *Stainless Steel Characteristics* → page QVX
- RoHS compliant

Information

Threaded lifting pins GN 1135 are support elements designed for quick and easy use. Pressing the operation button unlocks the threaded segments, allowing the pin to be moved in or out of the mounting thread. This eliminates the time-consuming process of screwing in or out encountered with typical lifting gear, such as lifting eye bolts.

Assuming sufficient material strength, only true-to-gauge threaded holes are required to make use of the threaded lifting pins.

The shackle pivots by 180° and fully rotates 360° around the pin and always aligns itself in the direction of load without causing the pin to turn. This prevents the threaded lifting pin from being screwed out of the thread and the workpiece can be lifted safely. A safety bar protects the button from unintentional operation.

For further application guidelines, see the operating instructions enclosed with every threaded lifting pin (→ www.jwwinco.com/service).

How to order	1 Thread d ₁
GN 1135-1/2x13-0.669-NI	2 Length l ₁
	3 Material