

**Inch table**

Dimensions in: inches - millimeters

<sup>1</sup> <sup>2</sup> d <sub>1</sub> Thread	Length l	e	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>	k <sub>4</sub>	A/F	Tightening torque in Nm	Nominal load in metric tons
5/16 x 18	0.51 13	1.18 30	3.31 84	2.99 76	1.22 31	1.77 45	0.31 8	1.77 45	1.14 29	1.73 44	1.06 27	10	0.30
3/8 x 16	0.67 17	1.34 34	3.39 86	3.07 78	1.22 31	1.85 47	0.31 8	1.77 45	1.14 29	1.73 44	1.18 30	10	0.45
1/2 x 13	0.83 21	1.65 42	4.61 117	4.21 107	1.93 49	2.28 58	0.39 10	2.17 55	1.38 35	2.56 65	1.42 36	10	0.60
5/8 x 11	0.98 25	1.89 48	5.00 127	4.49 114	1.81 46	2.68 68	0.51 13	2.52 64	1.50 38	2.56 65	1.61 41	30	1.30
3/4 x 10	1.30 33	2.44 62	5.91 150	5.39 137	2.13 54	3.27 83	0.51 13	2.40 61	1.38 35	3.03 77	2.17 55	70	2.00
1 x 8	1.57 40	3.19 81	7.52 191	6.81 173	2.60 66	4.21 107	0.71 18	2.99 76	1.57 40	3.70 94	2.76 70	150	3.50
1 1/4 x 7	1.97 50	3.90 99	9.57 243	8.70 221	3.54 90	5.16 131	0.87 22	3.70 94	1.97 50	4.96 126	3.35 85	225	5.00

**Metric table**

Dimensions in: millimeters - inches

<sup>1</sup> <sup>2</sup> d <sub>1</sub> Thread	Length l	e	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>	k <sub>4</sub>	A/F	Tightening torque in Nm	Nominal load in metric tons
M 8	13 0.51	30 1.18	84 3.31	76 2.99	31 1.22	45 1.77	8 0.31	45 1.77	29 1.14	44 1.73	27 1.06	10	0.30
M 10	17 0.67	34 1.34	86 3.39	78 3.07	31 1.22	47 1.85	8 0.31	45 1.77	29 1.14	44 1.73	30 1.18	10	0.45
M 12	21 0.83	42 1.65	117 4.61	107 4.21	49 1.93	58 2.28	10 0.39	55 2.17	35 1.38	65 2.56	36 1.42	10	0.60
M 16	25 0.98	48 1.89	127 5.00	114 4.49	46 1.81	68 2.68	13 0.51	64 2.52	38 1.50	65 2.56	41 1.61	30	1.30
M 20	33 1.30	62 2.44	150 5.91	137 5.39	54 2.13	83 3.27	13 0.51	61 2.40	35 1.38	77 3.03	55 2.17	70	2.00
M 24	40 1.57	81 3.19	191 7.52	173 6.81	66 2.60	107 4.21	18 0.71	76 2.99	40 1.57	94 3.70	70 2.76	150	3.50
M 30	50 1.97	99 3.90	243 9.57	221 8.70	90 3.54	131 5.16	22 0.87	94 3.70	50 1.97	126 4.96	85 3.35	225	5.00

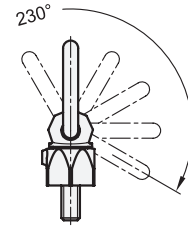
### Safety notes

The load capacity table shows the maximum loads in metric tons in relation to the mounting method at an operating temperature of -40 °F to +212 °F (-40 °C to +100 °C), whereby a safety factor of 4 is taken into account for all values.

The GN 5860 safety swivel load ring may only be used if it is screwed on in accordance with the material-dependent minimum screw-in length and the screw-on surface is plane and at a right angle to the threaded hole.

When firmly mounted, the load ring must rotate freely by 360° and must not rest on edges or other lifting gear, e.g. on crane hooks. Swivel load rings are not suitable for permanent rotary movements under load.

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



Dimensions in: metric tons

Mounting method	Quantity	Angle of inclination	Mounting diagrams																					
			G <sub>1</sub>	G <sub>2</sub>	2xG <sub>1</sub>	2xG <sub>2</sub>	G <sub>2</sub>	G <sub>2</sub>	G <sub>2</sub>	G <sub>2</sub>	G <sub>2</sub>	G <sub>2</sub>												
Factor	1	0°	1	90°	2	0°	2	90°	2	0 to 45°	2	45 to 60°	2	asymmetric	1	3 and 4	0 to 45°	3 and 4	45 to 60°	3 and 4	asymmetric			
M 8	5/16 x 18		0.60 t	0.30 t	1.20 t	0.60 t	0.42 t	0.30 t	0.30 t	0.63 t	0.45 t	0.30 t	M 10	3/8 x 16	0.90 t	0.45 t	1.80 t	0.90 t	0.63 t	0.40 t	0.40 t	0.94 t	0.67 t	0.40 t
M 12	1/2 x 13	1.20 t	0.60 t	2.40 t	1.20 t	0.84 t	0.60 t	0.60 t	1.26 t	0.90 t	0.60 t	M 16	5/8 x 11	2.60 t	1.30 t	5.20 t	2.60 t	1.82 t	1.30 t	1.30 t	2.73 t	1.95 t	1.30 t	
M 20	3/4 x 10	4.00 t	2.00 t	8.00 t	4.00 t	2.80 t	2.00 t	2.00 t	4.25 t	3.00 t	2.00 t	M 24	1 x 8	7.00 t	3.50 t	14.00 t	7.00 t	4.90 t	3.50 t	3.50 t	7.35 t	5.25 t	3.50 t	
M 30	1 1/4 x 7	10.00 t	5.00 t	20.00 t	10.00 t	7.00 t	5.00 t	5.00 t	10.50 t	7.50 t	5.00 t													

### Specification

- Chain ring
  - Steel
  - European Standard No. 1.6540
  - High-strength tempered
  - 100% electromagnetic tensile tested
  - Bright pink powder coated
- Load ring
  - Steel
  - German Material No. 1.6541
  - Forged
  - High-strength tempered
  - 100% electromagnetic tensile tested
  - Bright pink powder coated
- Bearing case
  - Steel
  - German Material No. 1.6541
  - Forged
  - High-strength tempered
  - 100% electromagnetic tensile tested
  - Zinc plated, blue passivated finish
- Threaded bolt
  - Steel
  - Property class 10.9
  - Delta-Tone® finish (inorganic zinc flake coating)
- Strength Values of Screws → page 2127
- RoHS compliant

### Information

GN 5860 safety swivel load rings can be folded and rotated in all directions, carrying the full load in any tension direction.

The nominal values for load capacity in the table are for the most extreme loading conditions listed, and are also clearly marked on the ring.

GN 5860 safety swivel load rings comply with Machinery Directive 2006/42/EG and are BG tested.

The integrated RFID transponder is used to clearly identify the lifting gear, e.g. during the prescribed regular inspection.

see also...

- Swivel Load Hooks GN 5862 → page 1596
- D-Shackles GN 584 → page 1600
- Bow Shackles GN 585 → page 1601

### On request

- Additional threaded bolt lengths

How to order (Inch)	1 Thread d <sub>1</sub>
<b>GN 5860-5/16X18-13</b>	2 Length l
How to order (Metric)	1 Thread d <sub>1</sub>
<b>GN 5860-M12-21</b>	2 Length l

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