



Metric table



Dimensions in: millimeters - inches

d ₁	d ₂	d ₃	d ₄	d ₅	h	k ₁	k ₂	Length l	A/F	Nominal load (WLL) in metric tons
M 8	16 0.63	25 0.98	28 1.10	25 0.98	45 1.77	8.5 0.33	47 1.85	14 0.55	12 0.47	0.30 t [3.0 kN]
M 10	16 0.63	25 0.98	28 1.10	25 0.98	45 1.77	8.5 0.33	47 1.85	14 0.55	12 0.47	0.40 t [4.0 kN]
M 12	20 0.79	30 1.18	34 1.34	30 1.18	55 2.17	10 0.39	56 2.20	17 0.67	14 0.55	0.75 t [7.5 kN]
M 16	22 0.87	35.5 1.40	40 1.57	35 1.38	66 2.60	14 0.55	65 2.56	21 0.83	19 0.75	1.50 t [15.0 kN]
M 20	29 1.14	40 1.57	50 1.97	40 1.57	74 2.91	16 0.63	75 2.95	23 0.91	24 0.94	2.30 t [23.0 kN]
M 24	35 1.38	50 1.97	60 2.36	48 1.89	90 3.54	19 0.75	90 3.54	29 1.14	30 1.18	3.20 t [32.0 kN]
M 30	44 1.73	60 2.36	75 2.95	60 2.36	112 4.41	24 0.94	112 4.41	34 1.34	36 1.42	4.50 t [45.0 kN]

Specification

- Ring
Steel
German Material No. 1.6541
- Forged
- High-strength tempered
- 100% electromagnetic tensile tested according to EN 1677
- Bright pink powder coated
- Nut
Steel
Property class 10
- *Strength Values of Nuts* → page QVX
- **RoHS compliant**

Information

The nut of GN 583 safety swivel lifting eye nuts is captively mounted in the ring housing, yet rotates freely. This allows the direction of the load to be adjusted and prevents unintentional loosening or overtightening (as it is possible with DIN 582 lifting eye nuts).

These lifting eye nuts offer a high load carrying capacity and are tested to meet high safety standards in all load directions (safety factor 4).

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 583 lifting eye nuts 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.

The hex socket nut cannot be removed from the ring.

see also...

- *Safety Swivel Lifting Eye Bolts GN 581* → page QVX

How to order

GN 583-M20

1 Thread d₁

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10





Dimensions in: metric tons

Mounting method										
	Quantity Angle of inclination Factor	1 0° 1	1 90° 1	2 0° 2	2 90° 2	2 0 to 45° 1.4	2 45 to 60° 1	2 asymmetric 1	3 and 4 0 to 45° 2.1	3 and 4 45 to 60° 1.5
M 8	1.00 t [0.14]	0.30 t	2.00 t [0.28]	0.60 t	0.42 [0.10]	0.30 t	0.30 t	0.63 t	0.45 t	0.30 t
M 10	1.00 t [0.23]	0.40 t	2.00 t [0.46]	0.80 t	0.56 [0.17]	0.40 t	0.40 t	0.84 t	0.60 t	0.40 t
M 12	2.00 t [0.34]	0.75 t	4.00 t [0.68]	1.50 t	1.00 [0.24]	0.75 t	0.75 t	1.60 t	1.12 t	0.75 t
M 16	4.00 t [0.70]	1.50 t	8.00 t [1.40]	3.00 t	2.10 [0.50]	1.50 t	1.50 t	3.15 t	2.25 t	1.50 t
M 20	6.00 t [1.20]	2.30 t	12.00 t [2.40]	4.60 t	3.22 [0.86]	2.30 t	2.30 t	4.83 t	3.45 t	2.30 t
M 24	8.00 t [1.80]	3.20 t	16.00 t [3.60]	6.40 t	4.48 [1.29]	3.20 t	3.20 t	6.70 t	4.80 t	3.20 t
M 30	12.00 t [3.20]	4.50 t	24.00 t [6.40]	9.00 t	6.30 [2.30]	4.50 t	4.50 t	9.40 t	6.70 t	4.50 t

Safety notes

The loads in brackets refer to the load capacity of the corresponding DIN 582 lifting eye nut. If this value is not indicated, the use of DIN 582 lifting eye nuts is not permitted!

The screw-on surface of the GN 583 lifting eye nuts must be plane and at a right angle to the threaded hole (threaded bolt). When screwed in, the collar of the nut must fit firmly (do not use washers) and the ring housing must rotate freely by 360°.

Before applying the load, turn the lifting eye nut in the direction of the load. The lifting eye nut is not suitable for rotary movements under load.

The specified load values only apply in connection with threaded bolts of steel grade > 10.9 if they are screwed in over the entire length l.

The specified load values also only apply to a minimum screw-in length of 1.5 x nominal thread diameter in steel with a minimum tensile strength of 37 kp/mm², at an operating temperature of -40 °F to +212 °F (-40 °C to +100 °C). Load bearing capacity under different conditions on request.

The operating instruction contains further guidelines and is included with every eye nut (see also at www.jwwinco.com/service).