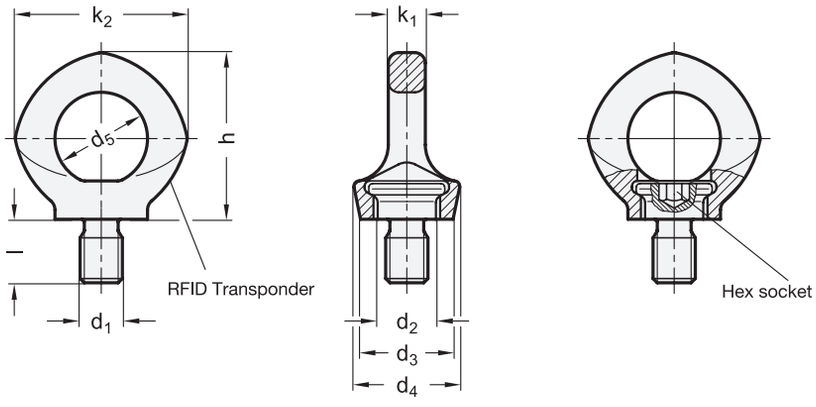
GN 581.5 | Safety Swivel Lifting Eye Bolts

Stainless Steel



Metric

RUD

SS Stainless Steel

Metric table

Dimensions in: millimeters - *inches*

d_1	d_2	d_3	d_4	d_5	h	k_1	k_2	Length l	Nominal load (WLL) in metric tons
M 12	18 *0.71*	30 *1.18*	32 *1.26*	30 *1.18*	57 *2.24*	12 *0.47*	56 *2.20*	18 *0.71*	0.5 t [5 kN]
M 16	22 *0.87*	36 *1.42*	38 *1.50*	35 *1.38*	66 *2.60*	14 *0.55*	65 *2.56*	24 *0.94*	1.0 t [10 kN]
M 20	27.5 *1.08*	43 *1.69*	47 *1.85*	40 *1.57*	77 *3.03*	16 *0.63*	74 *2.91*	30 *1.18*	2.0 t [20 kN]
M 24	33 *1.30*	51 *2.01*	56 *2.20*	48 *1.89*	94 *3.70*	19 *0.75*	92 *3.62*	35 *1.38*	2.5 t [25 kN]

Specification

- Ring
  Stainless steel AISI 316LN
  - Forged
  - 100% electromagnetic tensile tested according to EN 1677
  - Plain finish
- Threaded socket head bolt
  Stainless steel AISI 316LN
- *Stainless Steel characteristics → page 2143*
- RoHS compliant

Information

The bolt of GN 581.5 safety swivel lifting eye bolts 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 580 lifting eye bolts).

These lifting eye bolts 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 581.5 lifting eye bolts comply with Machinery Directive 2006/42/EG and are BG tested.

The integrated RFID transponder clearly marks and identifies the lifting point, e.g. during the prescribed regular inspection.

The hex socket bolt cannot be removed from the ring.

see also...

- *Safety Swivel Lifting Eye Bolts GN 581 (Steel) → page 1586*

How to order		
GN 581.5-M24	1	Thread d_1

Dimensions in: metric tons

Mounting method	G_1	G_2	$2xG_1$	$2xG_2$	G_2	G_2	G_2	G_2	G_2
Quantity Angle of inclination Factor	1 0° to 70° 1	1 90° 1	2 0° to 7° 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	3 and 4 asymmetric 1
M 12	1.20 t [0.34]	0.50 t	2.40 t [0.68]	1.00 t	0.71 [0.24]	0.50 t	0.50 t	1.06 t	0.75 t	0.50 t
M 16	2.40 t [0.70]	1.00 t	4.80 t [1.40]	2.00 t	1.40 [0.50]	1.00 t	1.00 t	2.10 t	1.50 t	1.00 t
M 20	3.60 t [1.20]	2.00 t	7.20 t [2.40]	4.00 t	2.80 [0.86]	2.00 t	2.00 t	4.25 t	3.00 t	2.00 t
M 24	5.20 t [1.80]	2.50 t	10.40 t [3.60]	5.00 t	3.50 [1.29]	2.50 t	2.50 t	5.25 t	3.75 t	2.50 t

Safety notes

The loads in brackets refer to the load capacity of the corresponding DIN 580 lifting eye bolt. If this value is not indicated, the use of DIN 580 lifting eye bolts is not permitted!

The screw-on surface of the GN 581.5 lifting eye bolts must be plane and at a right angle to the threaded hole; the countersunk must be ≤ the nominal diameter of the thread.

When screwed in, the collar of the bolt must fit firmly (do not use washers) and the ring housing must rotate freely by 360°.

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

The specified load values apply to a minimum screw-in length of 1.5 × nominal thread diameter in stainless steel with a minimum tensile strength of 37 kp/mm², at an operating temperature of -40 °F to +536 °F (-40 °C to +280 °C). Load bearing capacity under different conditions on request.

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