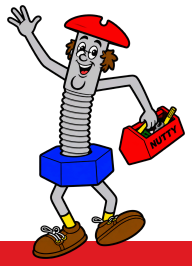
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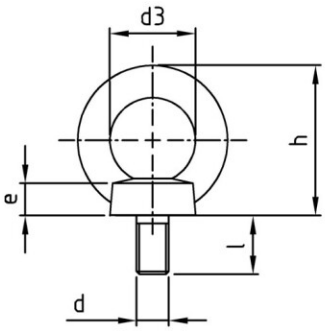


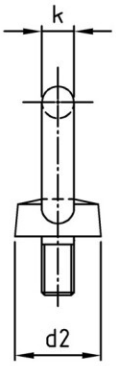
PRODUCT DATA SHEET

Stainless Steel Metric Lifting Eye Bolts – DIN 580

1.0 Dimensions & Working Load Limits (millimeters)







- **A2 (18-8 / 304) stainless steel**, cast form.
- Corrosion resistant – for outdoor, wet and marine use.
- Shouldered (collar) design, dimensions similar to **DIN 580** (cast form; the DIN 580 standard covers the drop-forged type).
- Screws into a metric tapped hole to add a lifting or tie-down eye.
- Working load limits from **70 kg (M6) to 3,500 kg (M36)**, in-line pull.
- Metric coarse threads M6 x 1.0 through M36 x 4.0.

Item No.	Thread d	d2	d3	h	e	l	k	WLL (kg)* In-line	WLL (lbs.)* In-line	Min. Break (kN)	Weight (g)
XMLES6	M6 x 1.0	16	16	28	6	11	6	**70**	**154**	2.1	23
XMLES8	M8 x 1.25	20	20	35.5	6	13	8	**140**	**309**	4.2	44
XMLES10	M10 x 1.5	25	25	45	8	17	10	**230**	**507**	6.9	88.5
XMLES12	M12 x 1.75	30	30	54	10	20	12	**340**	**750**	11	156
XMLES16	M16 x 2.0	35	35	63	12	27	14	**700**	**1,543**	21	244
XMLES20	M20 x 2.5	40	40	72	14	30	16	**1,200**	**2,646**	36	404
XMLES24	M24 x 3.0	50	50	90	18	36	20	**1,800**	**3,968**	54	890
XMLES27	M27 x 3.0	65	60	109	22	45	24	**3,100**	**6,834**	93	—
XMLES30	M30 x 3.5	65	60	109	22	45	24	**3,200**	**7,055**	96	—
XMLES36	M36 x 4.0	75	70	128	26	54	28	**3,500**	**7,716**	105	—

Dimensions are nominal, in millimeters; l = thread length. Weight is approximate, in grams each (— = not listed). *Working Load Limit is for in-line (straight) pulls. 1 kg = 2.205 lbs. For M16 and larger, please contact us for availability.

2.0 Material & Finish

Property	Stainless Steel Metric Lifting Eye Bolts – DIN 580
Type	Shouldered lifting eye bolt, cast form
Material	A2 stainless steel (18-8 / AISI 304)
Finish	Plain / natural stainless
Thread	ISO metric coarse male thread
Dimensions	Similar to DIN 580
Rating	Working Load Limit (WLL) for in-line (straight) pulls; minimum breaking load about 3 x WLL – see table
Also available	A4 (316) stainless – please contact us

3.0 Common Uses

- Lifting points on motors, pumps, gearboxes and machinery
- Marine rigging, boat and dock hardware
- Machinery, equipment and enclosures
- Food, chemical and outdoor installations where rust is a problem
- Guiding and securing cables and wires

4.0 Application & Installation

- Match the eye bolt to the **tapped hole** (ISO metric coarse thread). The hole must be deep enough for the full thread length (l).
- Screw the eye bolt in **all the way** so the collar (d2) sits flat and firm on the load surface. Do not use washers or spacers under the collar.
- Load in line with the thread for the full WLL. Angled loads lower the capacity; line up the eye with the direction of pull and never load sideways across the eye.
- The tapped material must be strong enough for the load – the WLL is the rating of the eye bolt only.
- An anti-seize compound helps prevent galling of stainless threads.

5.0 Inspection & Safety

- Never exceed the Working Load Limit. Do not shock load.
- Inspect before each use: do not use an eye bolt that is bent, cracked, worn or has damaged threads.
- Never load across (sideways to) the eye.
- Do not weld, heat or modify the eye bolt.
- Do not use for lifting people.

Disclaimer: The above is a compilation of data from various industry standards. The Nutty Company, Inc. has made every effort to present the data accurately. However, The Nutty Company, Inc. cannot be held liable for any claim traceable to any errors, typographical or otherwise, contained herein.



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