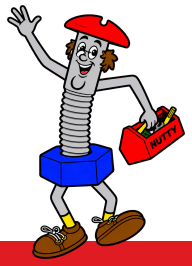
THE NUTTY COMPANY INC
FASTENER SPECIALISTS SINCE 1977

19 Seemans Lane • Milford, CT 06460 USA
203.877.1709 • 1.800.4NUTTY.1 • Fax 203.735.1097
sales@nutty.com • www.nutty.com

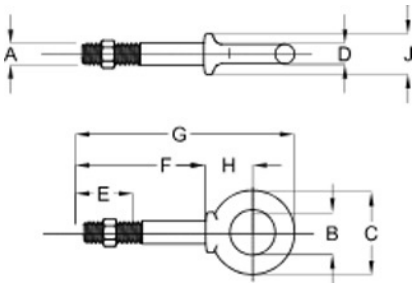


PRODUCT DATA SHEET

Galvanized Shouldered Eye Bolts – Inch Series

1.0 Dimensions & Working Load Limits (inches)





- **Drop forged** carbon steel, **hot-dip galvanized**.
- **Shoulder nut eye bolt** – rated for angled loads (reduced WLL) when the shoulder is seated.
- Meets or exceeds **ASME B30.26**.
- Supplied with a **galvanized hex nut**.
- Working Load Limit at a **5:1** design factor.

A Dia.	Thread UNC	Stock No.	F Shank Lgth	E Thread Lgth	G Overall Lgth	B Inside Eye	C Outside Eye	D Eye Thick.	H Eye to Shoulder	J Shoulder Dia.	WLL (lbs.)* In-line
1/4"	1/4-20	GSEB142	2	1.50	2.94	.50	.88	.19	.50	.47	**500**
		GSEB144	4	2.50	4.94						
5/16"	5/16-18	GSEB516214	2.25	1.50	3.50	.62	1.12	.25	.69	.56	**800**
		GSEB516414	4.25	2.50	5.50						
3/8"	3/8-16	GSEB38212	2.50	1.50	3.97	.75	1.38	.31	.78	.66	**1,200**
		GSEB38412	4.50	2.50	5.97						
1/2"	1/2-13	GSEB122	2	1.50	3.88	1.00	1.75	.38	1.00	.91	**2,200**
		GSEB12314	3.25	1.50	5.12						
		GSEB12412	4.50	2.50	6.38						
		GSEB126	6	3.00	7.88						
5/8"	5/8-11	GSEB584	4	2.00	6.44	1.25	2.25	.50	1.31	1.12	**3,500**
		GSEB586	6	3.00	8.44						

Table continues on page 2 – 3/4" through 1-1/2" diameters. Dimensions in decimal inches.

1.0 Dimensions & Working Load Limits (inches, continued)

A Dia.	Thread UNC	Stock No.	F Shank Lgth	E Thread Lgth	G Overall Lgth	B Inside Eye	C Outside Eye	D Eye Thick.	H Eye to Shoulder	J Shoulder Dia.	WLL (lbs.)* In-line
		GSEB34412	4.50	2.00	7.44						
3/4"	3/4-10	GSEB346	6	3.00	8.94	1.50	2.75	.62	1.56	1.38	**5,200**
		GSEB348	8	4.00	10.94						
7/8"	7/8-9	GSEB785	5	2.50	8.47	1.75	3.25	.75	1.84	1.56	**7,200**
		GSEB788	8	4.00	11.47						
		GSEB16	6	3.00	9.97						
1"	1-8	GSEB19	9	4.00	12.97	2.00	3.75	.88	2.09	1.81	**10,000**
		GSEB112	12	4.00	15.97						
1-1/4"	1-1/4-7	GSEB1148	8	4.00	12.72	2.50	4.50	1.00	2.47	2.28	**15,200**
		GSEB11412	12	4.00	16.72						
1-1/2"	1-1/2-6	GSEB11215	15	6.00	20.75	3.00	5.50	1.25	3.00	2.75	**21,400**

*Working Load Limit is for in-line (0°) loads, 5:1 design factor. For angled loads reduce the WLL per the table below. Dimensions are nominal, in decimal inches.

1.1 Angular Loading – Reduced Working Load Limit

Direction of Pull (from shank axis)	Adjusted WLL (% of in-line rating)
0° (in-line)	100%
45°	30%
90°	25%

- Reductions apply ONLY when the shoulder is seated flat and tight against the load surface.
- Pull in the plane of the eye. Never load across (sideways to) the plane of the eye.
- Do not use angles over 90°.

2.0 Application & Installation

- Shouldered eye bolts can take **angled loads**, at a reduced Working Load Limit, ONLY when the shoulder is seated flat and tight against the load surface.
- If the shoulder is not in full contact with the surface, treat the eye bolt as a regular nut eye bolt: vertical / in-line loads only.
- Install through a clearance hole, seat the shoulder, and tighten the supplied galvanized hex nut with full thread engagement. Use washers or shims as needed so the shoulder bears fully.
- For angled loads, line up the plane of the eye with the direction of pull. Never load an eye bolt sideways across the plane of the eye.
- Make sure hooks, shackles and other fittings fit freely in the eye without forcing.

3.0 Common Uses

- Lifting and rigging points, including angled lifts
- Through-bolted anchor points in wood or steel
- Docks, marine, farm and construction rigging
- Guy wires, cable runs and tie-downs

4.0 Material & Finish

Property	Galvanized Shouldered Eye Bolts
Type	Shoulder nut eye bolt (forged shoulder under the eye)
Manufacture	Drop forged carbon steel – one continuous piece
Finish	Hot-dip galvanized (protective zinc coating)
Standard	Meets or exceeds all requirements of ASME B30.26
Thread	UNC (coarse)
Design factor	5:1 (Working Load Limit = 1/5 of minimum breaking strength)
Supplied with	Galvanized hex nut

5.0 Working Load Limits (lbs.)

Size	In-line 0°	45°	90°
1/4"	500	150	125
5/16"	800	240	200
3/8"	1,200	360	300
1/2"	2,200	660	550
5/8"	3,500	1,050	875
3/4"	5,200	1,560	1,300
7/8"	7,200	2,160	1,800
1"	10,000	3,000	2,500
1-1/4"	15,200	4,560	3,800
1-1/2"	21,400	6,420	5,350

6.0 Inspection & Safety

- Eyebolts should be inspected and installed by a competent person who is knowledgeable about the application and installation of Eyebolts.
- Each Eyebolt must be completely inspected BEFORE each use for possible defects such as: distortion, bent shank/threads, or incomplete/incorrectly formed threads. Periodic inspection of Eyebolts is highly recommended.
- Eyebolts should not be left where they can incur mechanical damage or corrosion.
- Destroy Eyebolts when signs of bend, elongation, wear or damage are visible. Such signs indicate that the Eyebolt has been stressed (overloaded) beyond rated capacity. Never attempt to repair a stressed Eyebolt.
- DO NOT work, stand or crawl around the load of the Eyebolt. Ensure a safe distance from the load.
- DO NOT force hooks or any other fittings into the eye; they must fit freely.
- DO NOT exceed the Rated Capacity.
- DO NOT SHOCK LOAD EYEBOLTS. Gradually increase lifting of the load to minimize load-shock.
- DO NOT weld Eyebolts, or perform any weld-repair on Eyebolts.
- DO NOT machine Eyebolts on the shank or shoulder to achieve proper seating.

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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