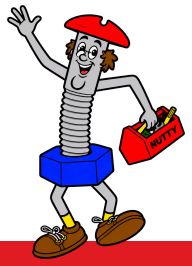
THE NUTTY COMPANY INC
FASTENER SPECIALISTS SINCE 1977

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



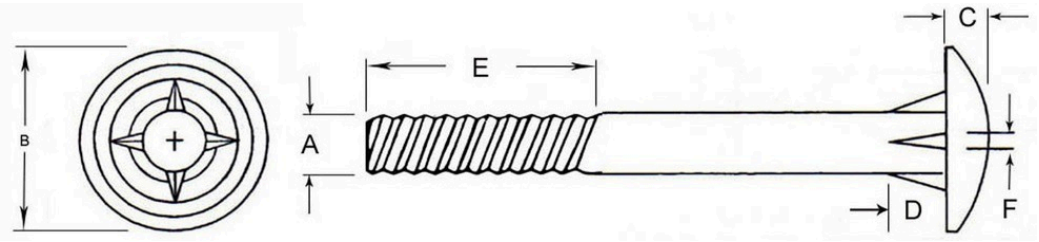
PRODUCT DATA SHEET

Galvanized Timber Bolts

1.0 Dimensions (inches)



- **Large low-profile dome head** – replaces a flat washer and leaves a snag-free surface.
- **Fins under the head** grip the wood so the bolt does not turn while the nut is tightened.
- **Rings under the head**, spaced 1/4" apart, seat into the wood and help keep water out of the bolt hole.
- **Hot-dip galvanized** – for outdoor, wet and marine use.
- 1/2"-13, 5/8"-11 and 3/4"-10 UNC, 6" to 26" long.



Stock No.	Size A x Length	E Thread Length	B Head Dia.	C Head Height	D Fin Length	F Ring Spacing
GTB12136 ★	1/2-13 x 6"	3"	1-3/4"	.275"	1/4"	.200"
GTB12138 ★	1/2-13 x 8"	6"	1-3/4"	.275"	1/4"	.200"
GTB121310 ★	1/2-13 x 10"	6"	1-3/4"	.275"	1/4"	.200"
GTB121312 ★	1/2-13 x 12"	6"	1-3/4"	.275"	1/4"	.200"
GTB58116	5/8-11 x 6"	4"	2-1/4"	5/16"	5/8"	1/4"
GTB58118 ★	5/8-11 x 8"	4"	2-1/4"	5/16"	5/8"	1/4"
GTB581110 ★	5/8-11 x 10"	6"	2-1/4"	5/16"	5/8"	1/4"
GTB581112 ★	5/8-11 x 12"	6"	2-1/4"	5/16"	5/8"	1/4"
GTB581116	5/8-11 x 16"	6"	2-1/4"	5/16"	5/8"	1/4"
GTB581118	5/8-11 x 18"	6"	2-1/4"	5/16"	5/8"	1/4"
GTB581120	5/8-11 x 20"	6"	2-1/4"	5/16"	5/8"	1/4"
GTB581122	5/8-11 x 22"	6"	2-1/4"	5/16"	5/8"	1/4"
GTB581124	5/8-11 x 24"	6"	2-1/4"	5/16"	5/8"	1/4"
GTB581126	5/8-11 x 26"	6"	2-1/4"	5/16"	5/8"	1/4"
GTB341012	3/4-10 x 12"	6"	2-5/8"	7/16"	3/4"	1/4"
GTB341016	3/4-10 x 16"	6"	2-5/8"	7/16"	3/4"	1/4"
GTB341018	3/4-10 x 18"	6"	2-5/8"	7/16"	3/4"	1/4"
GTB341020	3/4-10 x 20"	6"	2-5/8"	7/16"	3/4"	1/4"
GTB341022	3/4-10 x 22"	6"	2-5/8"	7/16"	3/4"	1/4"
GTB341024	3/4-10 x 24"	6"	2-5/8"	7/16"	3/4"	1/4"

Dimensions are nominal, in inches. Size = diameter (A) x length under the head. Head dimensions are the same for every length of a diameter. ★ = most popular.

2.0 Material & Finish

Property	Galvanized Timber Bolts
Type	Timber bolt, dome head with fins and rings
Material	Steel, ASTM A307 Grade A
Finish	Hot-dip galvanized per ASTM A153 / F2329
Thread	UNC (coarse)
Corrosion	Good for outdoor, wet and marine locations
Mating parts	Galvanized hex nut + galvanized dock, ogee or USS washer

3.0 Common Uses

- Docks, piers and floating dock frames
- Boardwalks and walkways
- Playgrounds and park structures
- Landscape timbers and retaining walls
- Timber guide rails and bridges

4.0 Application & Installation

- **Drill straight through** both timbers with a bit the same size as the bolt, or 1/16" larger in wet or hard timber, so the bolt can be driven without splitting the wood.
- **Drive the bolt through** with a hammer until the fins and rings seat and the head sits flush. Do not counterbore for the head – the rings must press into the wood to help seal the hole.
- On the far side add a **galvanized washer** (dock, ogee or USS) and a **galvanized hex nut** of the same thread.
- **Length:** add the thickness of the timbers, the washer and the nut, plus about 1/2" so threads show past the nut. Choose the next length up.
- Tighten the nut with a wrench – the fins keep the head from turning. Re-check nuts after the timbers dry and shrink.
- Follow the plans or the engineer of record for bolt diameter, spacing and edge distance.

5.0 Inspection & Safety

- Do not use bolts that are bent or have damaged threads or coating.
- Do not over-tighten; crushing the wood fibers under the washer reduces holding power.
- Inspect exposed structures regularly and re-tighten loose nuts.
- Do not weld, heat or modify galvanized bolts; heating releases zinc fumes.

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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