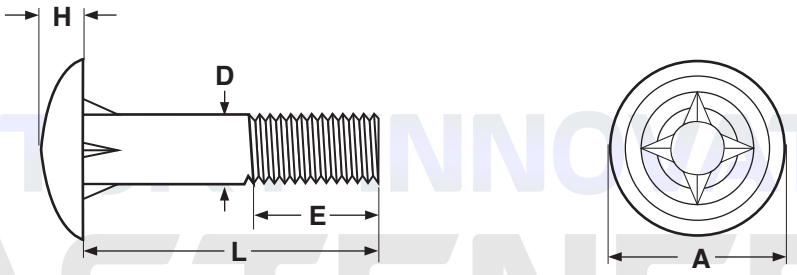
TIMBER BOLTS

Steel



Timber Bolts

Nominal Diameter	Threads per Inch	D		A		H		E	
		Body Diameter		Head Diameter		Head Height		Min. Threaded Length	
		Max	Min	Max	Min	Max	Min	Nominal Lengths < 12”	Nominal Lengths ≥ 12”
1/2	13	0.515	0.482	1.844	1.469	0.316	0.239	4”	6”
5/8	11	0.642	0.605	2.425	1.875	0.340	0.280	4”	6”
3/4	10	0.768	0.729	2.750	2.219	0.450	0.344	4”	6”

Description	A round head bolt with a bearing surface that intersects with the shank at a 90° angle. Where the bearing surface and shank meet are four fins, 90° apart from each other (it is an acceptable variation to have two fins 180° opposite each other). The underside of the head has a series of concentric circles. The shank is partially threaded with a unified thread pattern, and a blunt point.
Applications / Advantages	Used in wood and marine applications. The fins prevent the bolt from turning when set in place. The concentric rings under the head keep water from entering the bolt hole. The extra wide head diameter makes it unnecessary to require a washer.
Material	Bolts shall be made from a carbon steel which conforms to the following chemical composition requirements-- ***Carbon***: 0.29% maximum; ***Manganese***: 1.20% maximum; ***Phosphorus***: 0.04% maximum; ***Sulfur***: 0.15% maximum
Tensile Strength	60,000 psi. minimum
Elongation	18% minimum
Plating	Timber bolts are typically supplied with a galvanized finish.