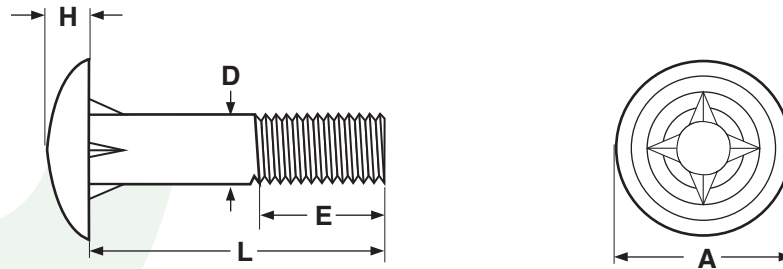


## CAP SCREWS &amp; BOLTS

## 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"

<b>Description</b>	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.
<b>Applications / Advantages</b>	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.
<b>Material</b>	Bolts shall be made from a carbon steel which conforms to the following chemical composition requirements-- <b>Carbon:</b> 0.29% maximum; <b>Manganese:</b> 1.20% maximum; <b>Phosphorus:</b> 0.04% maximum; <b>Sulfur:</b> 0.15% maximum
<b>Tensile Strength</b>	60,000 psi. minimum
<b>Elongation</b>	18% minimum
<b>Plating</b>	Timber bolts are typically supplied with a galvanized finish.