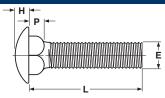
CARRIAGE BOLTSRound Head, Square Neck

Low Carbon & Hot-Dip Galvanized



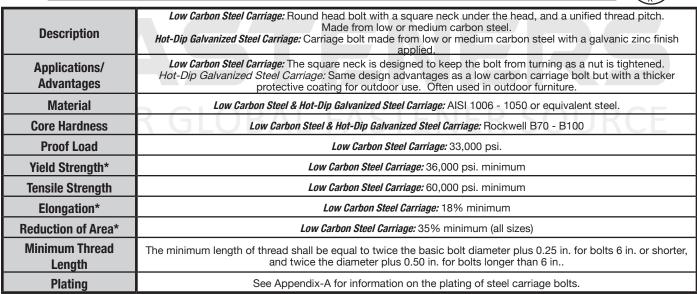


CARRIAGE BOLTS - ROUND HEAD, SQUARE NECK ASME B18.5-2012											
Basic Bolt Diameter		E Body Diameter		A Head Diameter		H Head Height		O Square Width		P Square Depth	
		•6	0.1380	0.122	0.108	0.313	0.278	0.086	0.071	0.160	0.135
•8	0.1640	0.173	0.157	0.328	0.298	0.102	0.083	0.169	0.155	0.108	0.078
10	0.1900	0.199	0.159	0.469	0.436	0.114	0.094	0.199	0.185	0.125	0.094
•12	0.2160	0.225	0.206	0.500	0.468	0.149	0.125	0.215	0.197	0.135	0.105
1/4	0.2500	0.260	0.213	0.594	0.563	0.145	0.125	0.260	0.245	0.156	0.125
5/16	0.3125	0.324	0.272	0.719	0.688	0.176	0.156	0.324	0.307	0.187	0.156
3/8	0.3750	0.388	0.329	0.844	0.782	0.208	0.188	0.388	0.368	0.219	0.188
7/16	0.4375	0.452	0.385	0.969	0.907	0.239	0.219	0.452	0.431	0.250	0.219
1/2	0.5000	0.515	0.444	1.094	1.032	0.270	0.250	0.515	0.492	0.281	0.250
5/8	0.6250	0.642	0.559	1.344	1.219	0.344	0.313	0.642	0.616	0.344	0.313
3/4	0.7500	0.768	0.678	1.594	1.469	0.406	0.375	0.768	0.741	0.406	0.375
7/8	0.8750	0.895	0.795	1.844	1.719	0.459	0.438	0.895	0.865	0.469	0.438
Tolerance on Length				Nominal Bolt Size			Nominal Bolt Length				
							Up to 1 in., incl.	Over 1 in. to 2-1/2 in., incl.	Over 2-1/2 in. to 4 in., incl.	Over 4 in. to 6 in., incl.	Over 6 in.
				No. 6 thru 3/8			+0.02 -0.03	+0.02 -0.04	+0.04 -0.06	+0.06 -0.10	+0.10 -0.18
				7/16 and 1/2			+0.02 -0.03	+0.04 -0.05	+0.06 -0.08	+0.08 -0.10	+0.12 -0.18
				9/16 thru 3/4			+0.02 -0.03	+0.06 -0.08	+0.08 -0.10	+0.10 -0.10	+0.14 -0.18
				7/8 and 1"			-	+0.08 -0.10	+0.10 -0.14	+0.12 -0.16	+0.16 -0.29

‡Length of a cap screw is measured from the underhead bearing surface to the extreme end of the screw.

ASME B18.5-2008 does not specify dimensions for the #6, #8 or #12 diameters. Data listed for these sizes is independent of the ASME specification,

LOW CARBON & HOT-DIP GALVANIZED CARRIAGE BOLT



^{*} These properties are tested only on machined specimens when the testing machine cannot provide for full testing of the parts.

^{**}Product standards require the manufacturer's head marking to appear on the top of all bolts 1/4" diameter and larger. "X" represents one location such a marking may appear.