

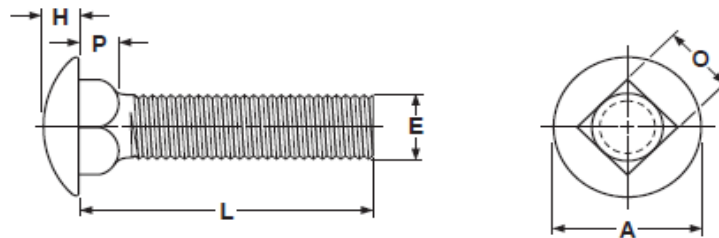


Atlanta, Georgia

Phone 800-521-7326

Fax 770-745-1333

**Carriage Bolts - Round Head, Square Neck - Low Carbon and Hot-Dip Galvanized**



E A H O P

Peco Catalog#	Basic Diameter	Body Diameter		Head Diameter		Head Height		Square Width		Square Depth		
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
See Section Three of Our Catalog	6	0.1380	0.1080	.122	.278	.313	.071	.086	.135	.160	.062	.094
	8	0.1640	0.1570	.173	.298	.328	.083	.102	.155	.169	.078	.108
	10	0.1900	0.1820	.199	.436	.469	.094	.114	.185	.199	.094	.125
	12	0.2160	0.2060	.225	.468	.500	.125	.149	.197	.215	.105	.135
	1/4	0.2500	0.2370	.260	.563	.594	.125	.145	.245	.260	.125	.156
	5/16	0.3125	0.2980	.324	.688	.719	.156	.176	.307	.324	.156	.187
	3/8	0.3750	0.3600	.388	.782	.844	.188	.208	.368	.388	.188	.219
	7/16	0.4375	0.4210	.452	.907	.969	.219	.239	.431	.452	.219	.250
	1/2	0.5000	0.4830	.515	1.032	1.094	.250	.270	.492	.515	.250	.281
	5/8	0.6250	0.6050	.642	1.219	1.344	.313	.344	.616	.642	.313	.344
3/4	0.7500	0.7290	.768	1.469	1.594	.375	.406	.741	.768	.375	.406	
Tolerance on Length	Nominal Bolt Size	Nominal Bolt Length										
		Up to 1"		Over 1" to 2-1/2"		Over 2-1/2" to 4"		Over 4" to 6"		Longer than 6"		
	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 to 1/2	+0.02 - 0.03		+0.04 - 0.05		+0.06 - 0.08		+0.08 - 0.10		+0.12 - 0.18		
	9/16 to 3/4	+0.02 - 0.03		+0.06 - 0.08		+0.08 - 0.10		+0.10 - 0.10		+0.14 - 0.18		
ASME B18.5.-1990	Length of the cap screw is measured from the under head bearing surface to the tip of the screw. Dimensions are not specified for #6, #8, or #12 diameters, and is independent of the ASME specification.											
Minimum Thread Length	2x basic bolt diameter + 0.25" for bolts shorter than 6", and 2x the diameter + 0.50" for bolts longer than 6".											
Core Hardness	Rockwell	B70				B100 Max		low carbon / hot dip				
Elongation		18% min.						low carbon carriage				
Tensile Strength	psi	60,000 psi min.						low carbon carriage				
Material	Low Carbon Steel and Hot Dip Galvanized Steel Carriage - AISI 1006 - 1050 or equivalent											

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