FASTENERS DIRECT

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ROUND HEAD CARRIAGE BOLT, FIN NECK

Nominal Size or Basic Bolt Diameter		D Body Diameter		W Head Diameter		H Head Height		T Fin. Thickness		A Distance Across Fins		F Fin Depth		R Fillet Radius	
		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
10	0.1900	0.199	0.182	0.469	0.438	0.114	0.094	0.098	0.078	0.395	0.375	0.088	0.076	0.031	0.015
1/4	0.2500	0.260	0.237	0.594	0.563	0.145	0.125	0.114	0.094	0.458	0.438	0.104	0.094	0.031	0.015
5/16	0.3125	0.324	0.298	0.719	0.688	0.176	0.156	0.145	0.125	0.551	0.531	0.135	0.125	0.031	0.015
3/8	0.3750	0.388	0.360	0.844	0.782	0.208	0.188	0.161	0.141	0.645	0.625	0.151	0.141	0.031	0.015
7/16	0.4375	0.452	0.421	0.969	0.907	0.239	0.219	0.192	0.172	0.739	0.719	0.182	0.172	0.031	0.015
1/2	0.500	0.515	0.783	1.094	1.032	0.270	0.250	0.208	0.188	0.833	0.813	0.198	0.188	0.031	0.018

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Tolerance on Length	Nominal Bolt Size	Nominal Screw Lngth									
		Up to 1 in., incl.		Over 1 in. to 2-1/2 in.		Over 2-1/2 in. to 4 in.		Over 4 in. to 6 in.		Over 6 in.	
	#10 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

DESCRIPTION: A round head bolt with a flat bearing surface which intersects with the shank at a 90* angle. Where the bearing surface and shank meet are two fins, 180* opposite the other. The bolt is made from low carbon steel.

APPLICATIONS / ADVANTAGES: Primarily used in thin plywood to keep the bolt from turning when a nut is being tightened.

MATERIAL: Bolts shall be made from a carbon steel which conforms to the following chemical composition requirements: *Carbon: 0.55% maximum; Phosphorus: 0.060% maximum; Sulfur: 0.150% maximum.*

HARDNESS: Rockwell B69-100

TENSILE STRENGTH: 60,000 psi. minimum

YIELD STRENGTH: 36,000 psi. minimum

ELONGATION: 18% minimum

REDUCTION OF AREA: 35% minimum