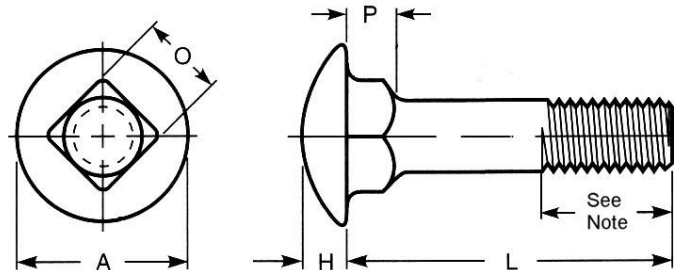


Carriage Bolts
To ANSI B18.5



Dimensional Data

Thread Size	T.P.I UNC	T.P.I UNF	Head Diameter (Max) A	Head Height (Max) H	Square Width (Max) O	Square Depth (Max) P
10	24	32	0.469	0.114	0.199	0.125
1/4	20	28	0.594	0.145	0.260	0.156
5/16	18	24	0.719	0.176	0.324	0.187
3/8	16	24	0.844	0.208	0.388	0.219
1/2	13	20	1.094	0.270	0.515	0.281
5/8	11	18	1.344	0.344	0.642	0.344
3/4	10	16	1.594	0.406	0.768	0.406
7/8	9	14	1.844	0.459	0.895	0.469
1	8	12	2.094	0.531	1.022	0.531

Note: Minimum thread length shall be equal to twice the basic diameter plus 1/4" for bolts up to 6" long, and twice the diameter plus 1/2" for longer than 6". Bolts shorter than minimum thread length shall be fully threaded.