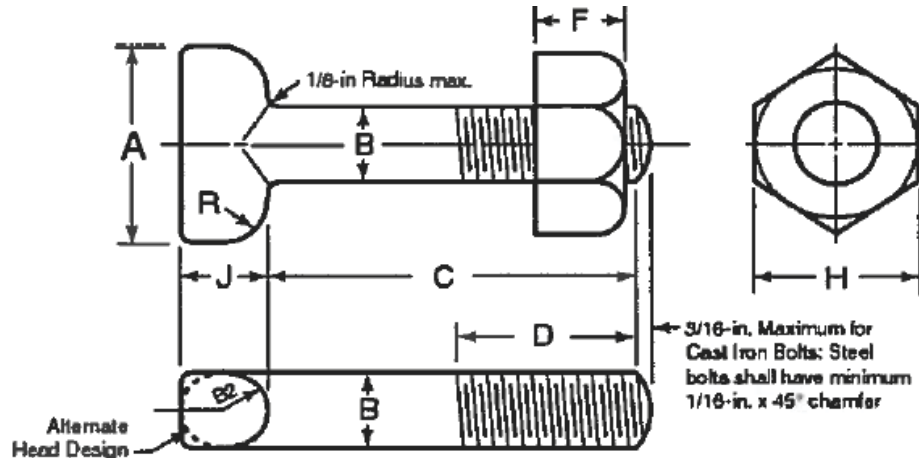


SUBMITTAL: C111 T-BOLTS AND NUTS FOR MECHANICAL JOINT

(Current revisions for all noted Standards apply)

- SIZES:** 5/8 X 3 through 1-1/4 X 8.5
- STANDARDS:** ANSI/AWWA C111/A21.11
- Material:** ASTM A242 High Strength Low Alloy Steel. Also available in ANSI 304 or 316 AISI Stainless Steel.
- COATING:** Standard bolts and nuts are not coated. Stainless Steel bolt and coated Green or Red. Flouropolymer costing is available on request. Flouropolymer is Flurokote #1 (Blue for Low Alloy Steel).
- FASTENERS:** High strength low alloy weathering steel per ANSI/AWWA C111/A21.11 and ASTM A242.



T-HEAD LOW ALLOY WEATHERING AND AISI STAINLESS STEEL FASTENER DIMENSION IN INCHES

Size Inches	A ±0.05	B +0.03/-0.074	C +0.25/-0.06	F	H	J +0.15/0.03	RM _{max}	D*	Threads Per Inch E**
5/8x3	1.5	0.625	3.00	0.625	1.062	0.625	0.312	2.00	11
3/4x3.5	1.75	0.750	3.50	0.750	1.250	0.750	0.375	2.50	10
3/4x4	1.75	0.750	4.00	0.750	1.250	0.750	0.375	3.00	10
3/4x4.5	1.75	0.750	4.50	0.750	1.250	0.750	0.375	3.00	10
3/4x5	1.75	0.750	5.00	0.750	1.250	0.750	0.375	3.00	10
1x6	1.75	1.000	6.00	1.000	1.625	1.000	0.500	3.00	8
1x7.5	2.25	1.000	7.50	1.000	1.625	1.000	0.625	4.50	8
1-1/4x6.5	2.50	1.250	6.50	1.250	2.000	1.250	0.750	3.50	7
1-1/4x8.5	2.50	1.250	8.50	1.250	2.000	1.250	0.750	4.00	7

- NOTES:**
- Dimension B is unthreaded shank.
 - Draft, when required to be 6 degree maximum, may be deducted from bolt head dimensions, and radius (B/2) may be changed to suit draft.
 - Gates, if required, may protrude a maximum of 1/8" above the top of bolt thread.
 - Chamfer is optional if threads are rolled.
 - If threads are rolled, the body diameter may be reduced to the approximate pitch diameter of the thread.
 - * Tolerance +3/-0 thread.
 - ** Number of threads per inch – course-thread series (ANSI/ASME B1.1), Class 2A, external fit UNC2A and Class 2B, UNC2B (ANSI/ASME B1.2).