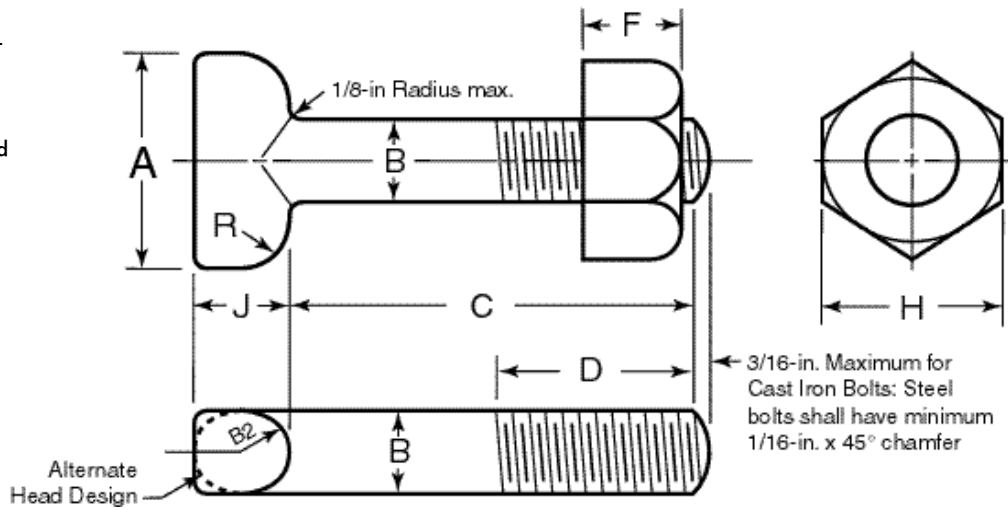


**NOTES:**

1. Dimension "B" is unthreaded shank.
2. 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.
3. Gates, if required, may protrude a maximum of 1/8 inch above the top of the bolt head.
4. Chamfer is optional if threads are rolled.



T-Head (Low alloy steel) Bolts and Nuts  
Dimensions in Inches

Size Inches	A ± 0.05	B +0.030 -0.074	C +0.25 -0.06	D†	Threads per Inch E ††	F	H	J +0.15 -0.03	R Max.
5/8 x 3	1.50	0.625	3.0	2.00	11	0.625±.04	1.062-.04	0.625	0.312
3/4 x 3 1/2	1.75	0.750	3.5	2.50	10	0.750±.06	1.250-.06	0.750	0.375
3/4 x 4	1.75	0.750	4.0	3.00	10	0.750±.06	1.250-.06	0.750	0.375
3/4 x 4 1/2	1.75	0.750	4.5	3.00	10	0.750±.06	1.250-.06	0.750	0.375
3/4 x 5	1.75	0.750	5.0	3.00	10	0.750±.06	1.250-.06	0.750	0.375
1 x 6	2.25	1.000	6.0	3.00	8	1.000±.08	1.625-.08	1.000	0.500
1 1/4 x 6 1/2	2.50	1.250	6.5	3.50	7	1.250±.08	2.000-.08	1.250	0.625

\* The tolerance for cast iron bolts is ±0.03 in. If threads are rolled, the body diameter may be reduced to the approximate pitch diameter of the thread.

† Tolerance: +3, — 0 threads.

†† 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).

### MECHANICAL JOINT GASKETS

ANSI/AWWA C111/A21.11

Mechanical Joint Gasket Dimensions in Inches

Pipe Size	Pipe OD	A ± 0.01"	B	C	D ±1%	E ± 0.01%	F ± 0.01"	G ± 0.02"
2*	2.50	.48	.62	.31	2.48	.12	.15	1.05
3	3.96	.48	.62	.31	3.86	.12	.15	1.05
4	4.80	.62	.75	.31	4.68	.16	.22	1.22
6	6.90	.62	.75	.31	6.73	.16	.22	1.22
8	9.05	.62	.75	.31	8.85	.16	.22	1.22
10	11.10	.62	.75	.31	10.87	.16	.22	1.22
12	13.20	.62	.75	.31	12.95	.16	.22	1.22
14	15.30	.62	.75	.31	14.99	.16	.22	1.22
16	17.40	.62	.75	.31	17.07	.16	.22	1.22
18	19.50	.62	.75	.31	19.13	.16	.22	1.22
20	21.60	.62	.75	.31	21.20	.16	.22	1.22
24	25.80	.62	.75	.31	25.34	.16	.22	1.22
30	32.00	.73	1.00	.38	31.47	.16	.37	1.54
36	38.30	.73	1.00	.38	37.67	.16	.37	1.54
42	44.50	.73	1.00	.38	43.78	.16	.37	1.54
48	50.80	.73	1.00	.38	49.98	.16	.37	1.54

Not included in AWWA C111. Manufacturer's Standard.

