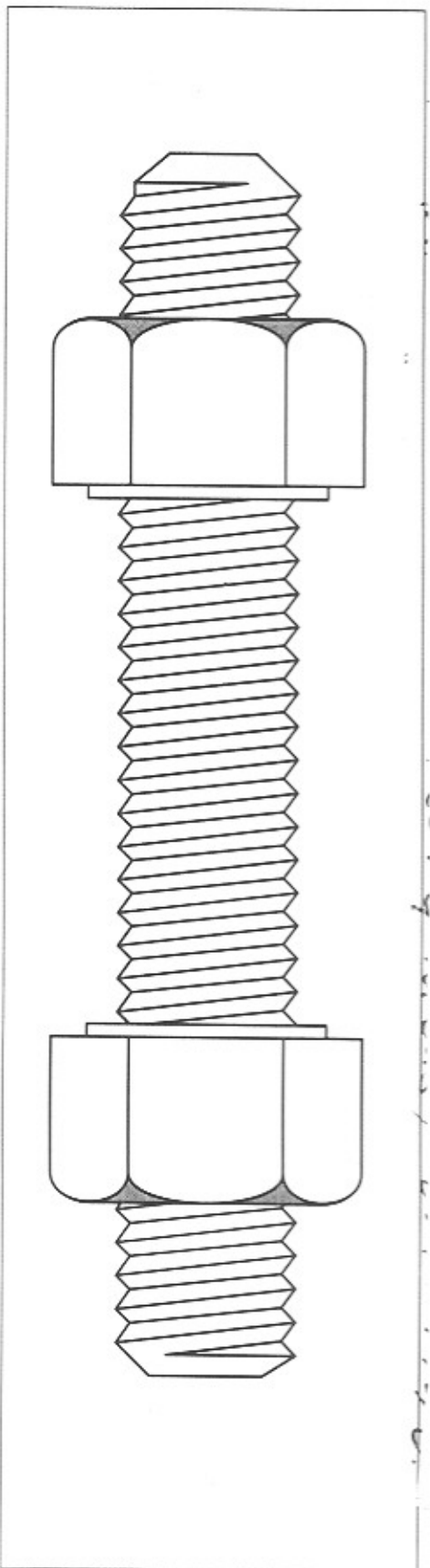
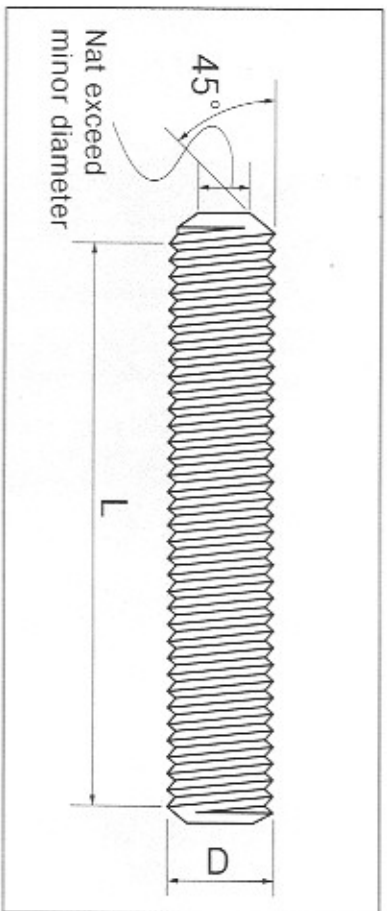


STUD BOLTS



STUD BOLT FOR PRESSURE - TEMPERATURE PIPING / ANSI B16.5



D = 1/2" (M12) up to 6" (M150) Incl.
STUD BOLT Length

Tolerance

L Equal to 12" (300mm) and under $\pm 1/16"$ (2mm)

L Over 12" (300mm) to 18" (458mm) Incl. $\pm 1/8"$ (3mm)

L Over 18" (458mm) $\pm 1/4"$ (6mm)

- Notes.**
1. L is the length of first thread to first thread, not including point length to both ends.
 2. Points shall be flat and chamfered.

Nominal Size or
Diameter of Stud Bolt D

1/2" (M12) up to 1" (M27). Include

Over 1" (M27)

Thread

Inch Series

Unified Coarse Thread Series,
Class 2A and 2B ANSI B1.1 1960.

Unified 8-thread (3-pitch) Series,
Class 2A and 2B ANSI B1.1 1960.

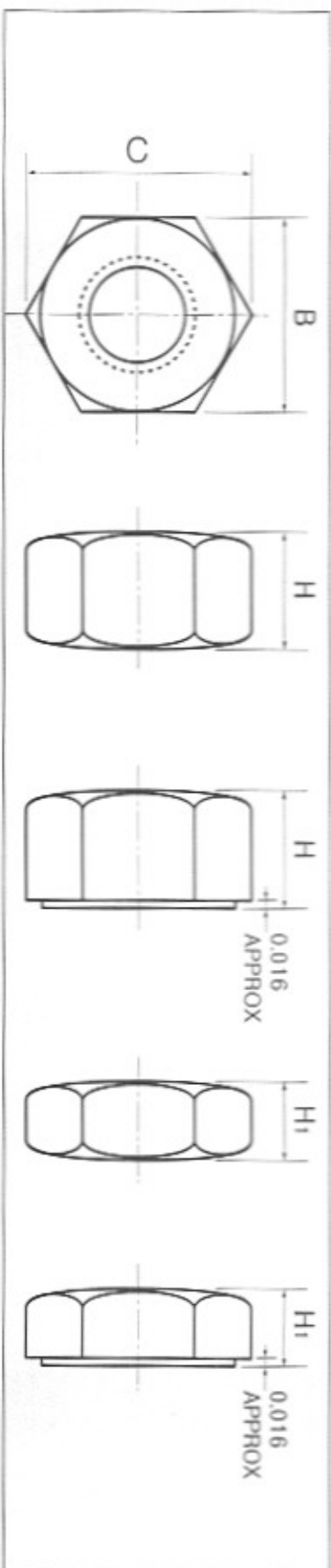
METRIC Series

Shall conform to
ISO R6B
JIS B0209

Shall conform to
ISO R6B
JIS B0209

ANSI B 18.2

unit : inch



Nominal Size or Basic Major Dia of Thread	B		C		H		H1		Heavy Hex Nuts Specified Proof Load		Heavy Hex Nuts All Strength Levels				
	Basic	Max.	Min.	Max.	Min.	Max.	Min.	Basic	Max.	Min.		Up to 150,000 psi and Greater	Runout of Bearing Face Fir Max		
1/4	0.2500	1/2	0.500	0.488	0.577	0.556	15/64	0.250	0.218	11/64	0.188	0.156	0.017	0.011	0.017
5/16	0.3125	9/16	0.562	0.546	0.650	0.622	19/64	0.314	0.280	13/64	0.220	0.186	0.020	0.012	0.020
3/8	0.3750	11/16	0.688	0.669	0.794	0.763	23/64	0.377	0.340	15/64	0.252	0.216	0.021	0.014	0.021
7/16	0.4375	3/4	0.750	0.728	0.866	0.830	27/64	0.441	0.403	17/64	0.285	0.247	0.022	0.015	0.022
1/2	0.5000	7/8	0.875	0.850	1.010	0.969	31/64	0.504	0.464	19/64	0.317	0.277	0.023	0.016	0.023
9/16	0.5625	15/16	0.938	0.909	1.083	1.037	35/64	0.568	0.526	21/64	0.349	0.307	0.024	0.017	0.024
5/8	0.6250	1 1/16	1.062	1.031	1.227	1.175	39/64	0.631	0.587	23/64	0.381	0.337	0.025	0.018	0.025
3/4	0.7500	1 1/4	1.250	1.212	1.443	1.382	47/64	0.758	0.710	27/64	0.446	0.398	0.027	0.020	0.027
7/8	0.8750	1 7/16	1.438	1.394	1.660	1.589	55/64	0.885	0.833	31/64	0.510	0.458	0.029	0.022	0.029
1	1.0000	1 5/8	1.625	1.575	1.876	1.796	63/64	1.012	0.956	35/64	0.575	0.519	0.031	0.024	0.031
1 1/8	1.1250	1 13/16	1.812	1.756	2.093	2.002	1 7/64	1.039	1.079	39/64	0.639	0.579	0.033	0.027	0.033
1 1/4	1.2500	2	2.000	1.938	2.309	2.209	1 7/32	1.251	1.187	23/32	0.751	0.687	0.035	0.030	0.035
1 3/8	1.3750	2 3/16	2.188	2.119	2.526	2.416	1 11/32	1.378	1.310	25/32	0.815	0.747	0.038	0.033	0.038
1 1/2	1.5000	2 3/8	2.375	2.300	2.742	2.622	1 15/32	1.505	1.433	27/32	0.880	0.808	0.041	0.036	0.041
1 5/8	1.6250	2 9/16	2.562	2.481	2.959	2.828	1 19/32	1.632	1.556	29/32	0.944	0.868	0.044	0.038	0.044
1 3/4	1.7500	2 3/4	2.750	2.662	3.175	3.035	1 23/32	1.759	1.679	31/32	1.009	0.929	0.048	0.041	0.048
1 7/8	1.8750	2 15/16	2.938	2.844	3.392	3.242	1 27/32	1.886	1.802	1 1/32	1.073	0.989	0.051	0.044	0.051
2	2.0000	3 1/8	3.125	3.025	3.608	3.449	1 31/32	2.013	1.925	1 3/32	1.138	1.050	0.055	0.047	0.055
2 1/4	2.2500	3 1/2	3.500	3.388	4.041	3.862	2 1/32	2.251	2.155	1 13/64	1.251	1.155	0.061	0.052	0.061
2 1/2	2.5000	3 7/8	3.875	3.750	4.474	4.275	2 29/64	2.505	2.401	1 29/64	1.505	1.401	0.068	0.058	0.068
2 3/4	2.7500	4 1/4	4.250	4.112	4.907	4.688	2 45/64	2.759	2.647	1 37/64	1.634	1.522	0.074	0.064	0.074
3	3.0000	4 5/8	4.625	4.475	5.340	5.120	2 61/64	3.013	2.893	1 45/64	1.763	1.643	0.081	0.070	0.081
3 1/4	3.2500	5	5.000	4.838	5.774	5.515	3 3/16	3.252	3.124	1 13/16	1.876	1.748	0.087	0.075	0.087
3 1/2	3.5000	5 3/8	5.375	5.200	6.207	5.928	3 7/16	3.506	3.370	1 15/16	2.006	1.870	0.094	0.081	0.094
3 3/4	4.7500	5 3/4	5.750	5.562	6.640	6.341	3 11/16	3.760	3.616	2 1/16	2.134	1.990	0.100	0.087	0.100
4	5.0000	6 1/8	6.125	5.925	7.073	6.755	3 15/16	4.014	3.862	2 3/16	2.264	2.112	0.107	0.093	0.107

*