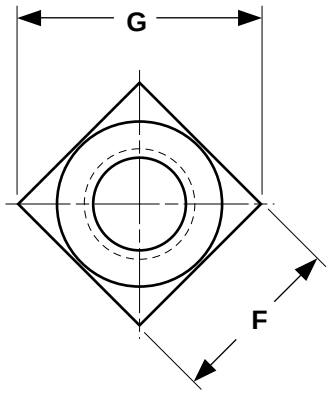
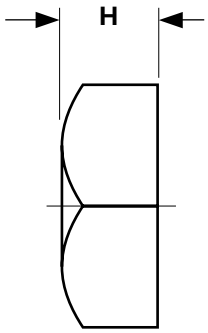
# Regular Style *Square* Nuts




## Regular Square Nuts

ANSI/ASME B18.2.2

| Nominal or Basic Major Diameter of Thread | | F | | | G | | H | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Width Across Flats | | | Width Across Corners | | Thickness | | |
| | | Basic | Max | Min | Max | Min | Basic | Max | Min |
| 1/4 | 0.2500 | 7/16 | 0.438 | 0.425 | 0.619 | 0.554 | 7/32 | 0.235 | 0.203 |
| 5/16 | 0.3125 | 9/16 | 0.562 | 0.547 | 0.795 | 0.721 | 17/64 | 0.283 | 0.249 |
| 3/8 | 0.3750 | 5/8 | 0.625 | 0.606 | 0.884 | 0.802 | 21/64 | 0.346 | 0.310 |
| 7/16 | 0.4375 | 3/4 | 0.750 | 0.728 | 1.061 | 0.970 | 3/8 | 0.394 | 0.356 |
| 1/2 | 0.5000 | 13/16 | 0.812 | 0.788 | 1.149 | 1.052 | 7/16 | 0.458 | 0.418 |
| 5/8 | 0.6250 | 1 | 1.000 | 0.969 | 1.414 | 1.300 | 35/64 | 0.569 | 0.525 |
| 3/4 | 0.7500 | 1-1/8 | 1.125 | 1.088 | 1.591 | 1.464 | 21/32 | 0.680 | 0.632 |
| 7/8 | 0.8750 | 1-5/16 | 1.312 | 1.269 | 1.856 | 1.712 | 49/64 | 0.792 | 0.740 |
| 1 | 1.0000 | 1-1/2 | 1.500 | 1.450 | 2.121 | 1.961 | 7/8 | 0.903 | 0.847 |
| 1-1/8 | 1.1250 | 1-11/16 | 1.688 | 1.631 | 2.386 | 2.209 | 1 | 1.030 | 0.970 |
| 1-1/4 | 1.2500 | 1-7/8 | 1.875 | 1.812 | 2.652 | 2.458 | 1-3/32 | 1.126 | 1.062 |
| 1-1/2 | 1.5000 | 2-1/4 | 2.250 | 2.175 | 3.182 | 2.956 | 1-5/16 | 1.348 | 1.276 |

| | |
|---|---|
| **Description** | A four-sided, internally threaded fastener with a flat bottom side and a chamfered, washer-crowned top. |
| **Applications/ Advantages** | Designed for use with square bolts. |
| **Material** | Nuts shall be made from a low carbon steel which conforms to the following chemical composition requirements--Carbon: 0.55% maximum; Phosphorus: 0.12% maximum; Sulfur: 0.23% maximum. |
| **Hardness** | Rockwell B68 - C32 |
| **Proof Load** | 90,000 psi. |
| **Plating** | See Appendix-A for plating information. |