

Unified Hexagon Nuts & Hexagon Lock Nuts

Threads UNC, UNF, Class 2B
Dimensions to ANSI/ASME B18.2.2
AS 2465

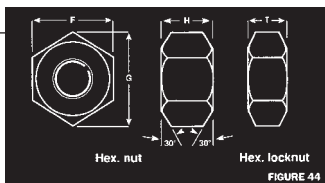


Table 54

| Dia. | Threads per Inch | | Across Flats | | Across Corners | | Thickness | | | | Approx Wt. | |
|------|------------------|-----|--------------|-------|----------------|-------|------------|------|-------|------|-------------|------|
| | | | F | | G | | Standard H | | Nut T | | lbs per 100 | |
| | | | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Std. | Jam |
| 1/4 | 20 | UNC | .438 | .428 | .505 | .488 | .226 | .212 | .163 | .150 | .753 | .515 |
| | 28 | UNF | | | | | | | | | | |
| 5/16 | 18 | UNC | .500 | .489 | .577 | .557 | .273 | .258 | .195 | .180 | 1.10 | .767 |
| | 24 | UNF | | | | | | | | | | |
| 3/8 | 16 | UNC | .562 | .551 | .650 | .628 | .337 | .320 | .227 | .210 | 1.60 | 1.05 |
| | 24 | UNF | | | | | | | | | | |
| 7/16 | 14 | UNC | .688 | .675 | .794 | .768 | .385 | .365 | .260 | .240 | 2.84 | 1.86 |
| | 20 | UNF | | | | | | | | | | |
| 1/2 | 13 | UNC | .750 | .736 | .866 | .840 | .448 | .427 | .323 | .302 | 3.75 | 2.62 |
| | 20 | UNF | | | | | | | | | | |
| 9/16 | 12 | UNC | .875 | .861 | 1.010 | .982 | .496 | .473 | .324 | .301 | 5.83 | 3.68 |
| | 18 | UNF | | | | | | | | | | |
| 5/8 | 11 | UNC | .938 | .922 | 1.083 | 1.051 | .559 | .535 | .387 | .363 | 7.33 | 4.93 |
| | 18 | UNF | | | | | | | | | | |
| 3/4 | 10 | UNC | 1.125 | 1.088 | 1.299 | 1.240 | .665 | .617 | .446 | .398 | 11.9 | 7.70 |
| | 16 | UNF | | | | | | | | | | |
| 7/8 | 9 | UNC | 1.312 | 1.269 | 1.516 | 1.447 | .776 | .724 | .510 | .458 | 19.0 | 12.0 |
| | 14 | UNF | | | | | | | | | | |
| 1 | 8 | UNC | 1.500 | 1.450 | 1.732 | 1.653 | .887 | .831 | .575 | .519 | 28.3 | 17.6 |
| | 12 | UNF | | | | | | | | | | |

Table 55 Mechanical Properties (Hexagon Nuts)

| Size Range | Strength Specifications | Thread | "Proof Load" Stress lbf/in ² |
|--------------------------|-------------------------|--------|---|
| Up to and including 5/8" | SAE Grade 5 | UNC | 120,000 |
| | ASTM: A563 Grade B | UNF | 109,000 |
| 3/4" to 1" inclusive | SAE Grade 2 | UNC | 90,000 |
| | ASTM: A563 Grade A | UNF | 90,000 |

Nuts to other specifications (eg SAE Grade 8) or SAE Grade 5 in. 3/4 – 1 1/2" can be quoted against enquiries.