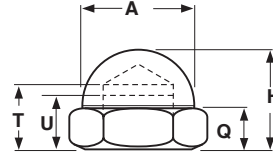
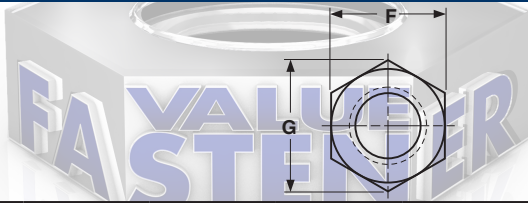


One-Piece & Two-Piece;  
Steel & Stainless

CAP (ACORN), CLOSED-END



ONE PIECE CLOSED-END HEX CAP NUTS, LOW CROWN

SAE J483

| Nominal Size or Basic Major Diameter of Thread |        | F                  |       | G                    |       | A             | H              | Q              | T           | U           |
|------------------------------------------------|--------|--------------------|-------|----------------------|-------|---------------|----------------|----------------|-------------|-------------|
|                                                |        | Width Across Flats |       | Width Across Corners |       | Body Diameter | Overall Height | Hexagon Height | Drill Depth | Full Thread |
|                                                |        | Max                | Min   | Max                  | Min   |               |                |                |             |             |
| 6                                              | 0.1380 | 0.3125             | 0.302 | 0.361                | 0.344 | 0.30          | 0.34           | 0.16           | 0.25        | 0.16        |
| 8                                              | 0.1640 | 0.3125             | 0.302 | 0.361                | 0.344 | 0.30          | 0.34           | 0.16           | 0.25        | 0.16        |
| 10                                             | 0.1900 | 0.3750             | 0.362 | 0.433                | 0.413 | 0.36          | 0.41           | 0.19           | 0.28        | 0.19        |
| 1/4                                            | 0.2500 | 0.4375             | 0.428 | 0.505                | 0.488 | 0.41          | 0.47           | 0.22           | 0.34        | 0.25        |
| 5/16                                           | 0.3125 | 0.5000             | 0.489 | 0.577                | 0.557 | 0.47          | 0.53           | 0.25           | 0.41        | 0.31        |
| 3/8                                            | 0.3750 | 0.5625             | 0.551 | 0.650                | 0.628 | 0.53          | 0.62           | 0.28           | 0.45        | 0.38        |
| 1/2                                            | 0.5000 | 0.7500             | 0.736 | 0.866                | 0.840 | 0.72          | 0.81           | 0.38           | 0.59        | 0.50        |
| 5/8                                            | 0.6250 | 0.9375             | 0.922 | 1.083                | 1.051 | 0.91          | 1.00           | 0.47           | 0.75        | 0.62        |
| 3/4                                            | 0.7500 | 1.0625             | 1.045 | 1.227                | 1.191 | 1.03          | 1.16           | 0.53           | 0.88        | 0.75        |

TWO PIECE CLOSED-END HEX CAP NUTS

| Nominal Size or Basic Major Diameter of Thread |        | F                  |       | G                    |       | H              |       |
|------------------------------------------------|--------|--------------------|-------|----------------------|-------|----------------|-------|
|                                                |        | Width Across Flats |       | Width Across Corners |       | Overall Height |       |
|                                                |        | Max                | Min   | Max                  | Min   | Max            | Min   |
| 4                                              | 0.1120 | 0.248              | 0.225 | -                    | -     | 0.200          | 0.177 |
| 5                                              | 0.1250 | 0.3125             | 0.302 | 0.361                | 0.344 | 0.260          | 0.240 |
| 6                                              | 0.1380 | 0.3125             | 0.302 | 0.361                | 0.344 | 0.260          | 0.240 |
| 8                                              | 0.1640 | 0.3125             | 0.302 | 0.361                | 0.344 | 0.260          | 0.240 |
| 10                                             | 0.1900 | 0.3750             | 0.362 | 0.433                | 0.413 | 0.291          | 0.271 |
| 1/4                                            | 0.2500 | 0.4375             | 0.423 | 0.505                | 0.482 | 0.338          | 0.318 |
| 5/16                                           | 0.3125 | 0.562              | 0.545 | 0.650                | 0.621 | 0.385          | 0.365 |
| 3/8                                            | 0.3750 | 0.625              | 0.607 | 0.722                | 0.692 | 0.432          | 0.412 |
| 7/16                                           | 0.4375 | 0.673              | 0.659 | 0.775                | 0.750 | 0.680          | 0.660 |
| 1/2                                            | 0.5000 | 0.750              | 0.736 | 0.866                | 0.840 | 0.572          | 0.552 |
| 9/16                                           | 0.5625 | 0.875              | 0.861 | 1.010                | 0.982 | 0.482          | 0.462 |
| 5/8                                            | 0.6250 | 0.938              | 0.909 | 1.083                | 1.037 | 0.807          | 0.787 |
| 3/4                                            | 0.7500 | 1.12               | 1.08  | -                    | -     | 1.12           | 1.08  |
| 7/8                                            | 0.8750 | 1.250              | 1.212 | 1.443                | 1.382 | 1.420          | 1.380 |
| 1                                              | 1.0000 | 1.497              | 1.447 | 1.728                | 1.650 | 1.572          | 1.414 |

NOTE: There is no single standard for cap nut dimensions. These values are offered as a guide; deviations from these specifications may occur.

|                         |                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | <p><b>Steel:</b> The low-crown cap nut is usually manufactured in two pieces, a hex nut and an acorn-shaped top, zinc die cast to form the finished part.</p> <p><b>Stainless:</b> Similar in design to the steel nut but made from an austenitic stainless alloy. Nuts may be one or two-piece style.</p> |
| Applications/Advantages | Cap nuts serve two main purposes: (1) as decorative pieces, and (2) as covers for projecting threads.                                                                                                                                                                                                      |
| Material                | <p><b>Steel:</b> Nuts shall be made from a low-carbon steel which conforms to the following chemical composition requirements--</p> <p>Carbon: 0.47% max.; Phosphorus: 0.12% max.; Sulfur: 0.23% max..</p> <p><b>Stainless:</b> 304L or equivalent stainless.</p>                                          |
| Plating                 | See Appendix-A for information about the plating of steel cap nuts.                                                                                                                                                                                                                                        |