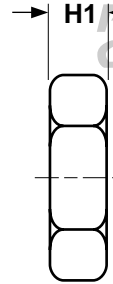
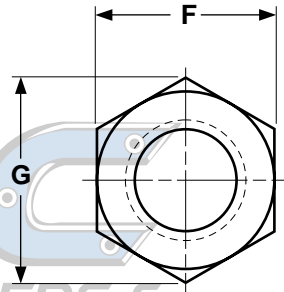


# Nuts

# METRIC

# Hex Jam



## METRIC - HEX JAM NUTS

ISO 4035

| Nominal Size | Thread Pitch | F                  |       | G                    | H         |      |
|--------------|--------------|--------------------|-------|----------------------|-----------|------|
|              |              | Width Across Flats |       | Width Across Corners | Thickness |      |
|              |              | Max                | Min   | Min                  | Max       | Min  |
| M1.6         | 0.35         | 3.2                | 3.02  | 3.41                 | 1         | 0.75 |
| M2           | 0.4          | 4                  | 3.82  | 4.32                 | 1.20      | 0.95 |
| M2.5         | 0.45         | 5                  | 4.82  | 5.45                 | 1.60      | 1.35 |
| M3           | 0.5          | 5.5                | 5.32  | 6.01                 | 1.80      | 1.55 |
| M4           | 0.7          | 7                  | 6.78  | 7.66                 | 2.20      | 1.95 |
| M5           | 0.8          | 8                  | 7.78  | 8.79                 | 2.70      | 2.45 |
| M6           | 1            | 10                 | 9.78  | 11.05                | 3.20      | 2.9  |
| M8           | 1.25         | 13                 | 12.73 | 14.38                | 4         | 3.7  |
| M10          | 1.5          | 16                 | 15.73 | 17.77                | 5         | 4.7  |
| M12          | 1.75         | 18                 | 17.73 | 20.03                | 6         | 5.7  |
| M14          | 2            | 21                 | 20.67 | 23.35                | 7         | 6.42 |
| M16          | 2            | 24                 | 23.67 | 26.75                | 8         | 7.42 |
| M20          | 2.5          | 30                 | 29.16 | 32.95                | 10        | 9.10 |
| M24          | 3            | 36                 | 35    | 39.55                | 12        | 10.9 |
| M30          | 3.5          | 46                 | 45    | 50.85                | 15        | 13.9 |
| M36          | 4            | 55                 | 53.8  | 60.79                | 18        | 16.9 |
| M42          | 4.5          | 65                 | 63.1  | 71.3                 | 21        | 19.7 |
| M48          | 5            | 75                 | 73.1  | 82.6                 | 24        | 22.7 |

|                                 |  |
|---------------------------------|--|
| <b>Description</b>              | A six-sided internally threaded, non-heat treated fastener with a metric thread pitch that is approximately 1/2 the thickness of a Style 2 nut. Nuts M16 and smaller are chamfered on the top and the bearing surface. Nuts M18 and larger may be either double chamfered, or have a washer face on one side and a chamfered surface on the opposite side. |
| <b>Applications/ Advantages</b> | Class 04 metric hex jam nuts are tightened against the work surface and a Style 1 or Style 2 hex nut is tightened against the jam nut to keep it from loosening.   |
| <b>Material</b>                 | Class 04 hex jam nuts shall be made of a steel which conforms to the following chemical composition-- <i>Carbon</i> : 0.58% maximum; <i>Manganese</i> : 0.25% minimum; <i>Phosphorus</i> : 0.060% maximum; <i>Sulfur</i> : 0.150% maximum.   |
| <b>Hardness</b>                 | HV 188 - 302 (Rockwell B 88 - C 30)  |
| <b>Proof Load</b>               | 380 N/mm <sup>2</sup>  |
| <b>Plating</b>                  | See Appendix-A for plating information   |