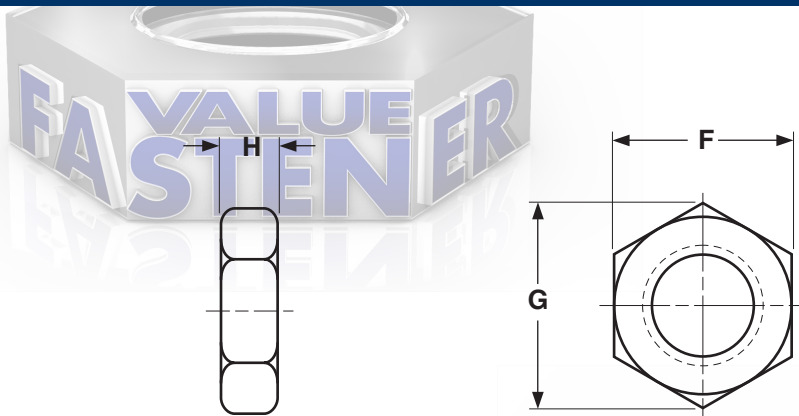


# NUTS

**DIN 439B**  
**Jam Nuts**



| DIN 439B HEX JAM NUTS |              |                    |       |                      |           | DIN 439B |
|-----------------------|--------------|--------------------|-------|----------------------|-----------|----------|
| Nominal Size          | Thread Pitch | F                  |       | G                    | H         |          |
|                       |              | Width Across Flats |       | Width Across Corners | Thickness |          |
|                       |              | Max                | Min   | Min                  | Max       | Min      |
| M3                    | 0.5          | 5.5                | 5.32  | 6.01                 | 1.8       | 1.55     |
| M3.5                  | 0.6          | 6                  | 5.82  | 6.58                 | 2         | 1.75     |
| M4                    | 0.7          | 7                  | 6.78  | 7.66                 | 2.2       | 1.95     |
| M5                    | 0.8          | 8                  | 7.78  | 8.79                 | 2.7       | 2.45     |
| M6                    | 1            | 10                 | 9.78  | 11.05                | 3.2       | 2.9      |
| M8                    | 1.25 and 1   | 13                 | 12.73 | 14.38                | 4         | 3.7      |
| M10                   | 1.5 and 1.25 | 17                 | 16.73 | 18.90                | 5         | 4.7      |
| M12                   | 1.75 and 1.5 | 19                 | 18.67 | 21.10                | 6         | 5.7      |
| M16                   | 2            | 24                 | 23.67 | 26.75                | 8         | 7.42     |

|                                  |                                                                                                                                                                                                           |                                                                                          |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Description</b>               | A six-sided internally threaded, fastener with a metric thread pitch. The jam nut is approximately 1/2 the thickness of a Style 2 nut. Nuts are chamfered on the top and on the bearing surface           |                                                                                          |
| <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.                                          | Class 50 A2 stainless hex jam nuts are used in the same manner with A2 stainless screws. |
| <b>Material</b>                  | Class 04 hex jam nuts shall be made of a steel that conforms to the following chemical composition-- Carbon: 0.58% maximum; Manganese: 0.25% minimum; Phosphorus: 0.060% maximum; Sulfur: 0.150% maximum. | Class A2 stainless steel                                                                 |
| <b>Hardness</b>                  | HV 188 - 302 (Rockwell B88 - C30)                                                                                                                                                                         | -                                                                                        |
| <b>Proof Load</b>                | 380 N/mm <sup>2</sup>                                                                                                                                                                                     | 72,500 psi. minimum                                                                      |
| <b>Plating</b>                   | Jam nuts are typically furnished with a zinc plating. See Appendix-A for details.                                                                                                                         | Stainless jam nuts are typically furnished without any additional finish.                |