

Cold Forged Wing Nuts

NUTS



METRIC - COLD FORGED WING NUTS

| Nominal Size | Thread Pitch | A | | B | | C | | E | |
|--------------|--------------|-------------|------|-------------|------|----------------|-----|---------------|------|
| | | Wing Spread | | Wing Height | | Wing Thickness | | Boss Diameter | |
| | | Max | Min | Max | Min | Max | Min | Max | Min |
| M3 | 0.50 | 23.1 | 19.8 | 11.9 | 8.6 | 3.5 | 2.5 | 10.9 | 9.9 |
| M4 | 0.70 | 23.1 | 19.8 | 11.9 | 8.6 | 3.5 | 2.5 | 10.9 | 9.9 |
| M5 | 0.80 | 23.1 | 19.8 | 11.9 | 8.6 | 3.5 | 2.5 | 10.9 | 9.9 |
| M6 | 1 | 27.9 | 24.6 | 14.4 | 10.9 | 4.5 | 3.5 | 12.7 | 11.4 |
| M8 | 1.25 | 31.7 | 26.4 | 16.7 | 13.4 | 5.3 | 4.3 | 14.7 | 12.9 |
| M10 | 1.50 | 36.5 | 33.2 | 20.0 | 16.5 | 6.0 | 5.0 | 17.7 | 16.2 |
| M12 | 1.75 | 49.2 | 45.9 | 25.4 | 22.1 | 8.3 | 6.6 | 23.6 | 21.8 |

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| Description | A nut with a metric thread pitch and wings set 180° apart from each other which allows the part to be manually turned. |
| Applications/ Advantages | Class 5 metric cold-forged wing nuts are used when a part is frequently assembled and disassembled at a place where torque greater than that achieved with finger pressure is not needed. The cold-forged style nut has been more popular in the United States, especially in the automotive aftermarket. It can also be safer to use than a malleable wing nut which can have sharp burrs that must be filed down prior to installation. |
| Material | Nuts shall be made of a steel which conforms to the following chemical composition-- Carbon: 0.50% maximum; Phosphorus: 0.060% maximum; Sulfur: 0.150% maximum. |
| Hardness | Rockwell B89 - C30 (Vickers HV 130 - 302) |
| Plating | See Appendix-A for plating information |