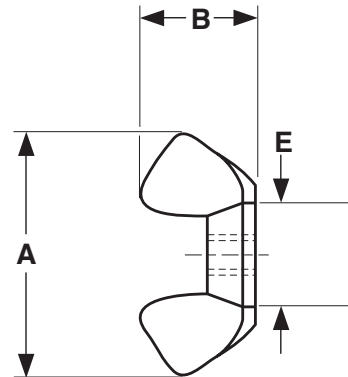
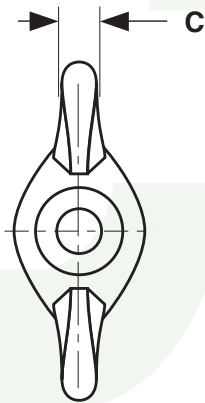


## METRIC FASTENERS

## 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 |

|                                 |   |
|---------------------------------|---|
| <b>Description</b>              | A nut with a metric thread pitch and wings set 180° apart from each other which allows the part to be manually turned.  |
| <b>Applications/ Advantages</b> | 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. |
| <b>Material</b>                 | Nuts shall be made of a steel which conforms to the following chemical composition--<br><b>Carbon:</b> 0.50% maximum; <b>Phosphorus:</b> 0.060% maximum; <b>Sulfur:</b> 0.150% maximum.   |
| <b>Hardness</b>                 | Rockwell B89 - C30 (Vickers HV 130 - 302)   |
| <b>Plating</b>                  | See Appendix-A for plating information  |