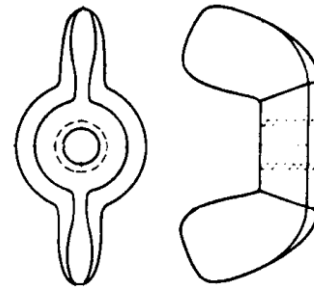


# WING NUTS COLD FORGED



| Nominal Size<br>or<br>Basic Major<br>Diameter of<br>Thread |        | Threads<br>Per<br>Inch | Wing<br>Spread |      | Wing Height |      | Wing<br>Thickness |      | Between<br>Wings |      | Boss<br>Diameter |      | Boss Height |      |
|--|--------|------------------------|----------------|------|-------------|------|-------------------|------|------------------|------|------------------|------|-------------|------|
|  |        |                        | Max            | Min  | Max         | Min  | Max               | Min  | Max              | Min  | Max              | Min  | Max         | Min  |
| 4  | 0.1120 | 40 & 48                | 0.72           | 0.59 | 0.41        | 0.28 | 0.11              | 0.07 | 0.21             | 0.17 | 0.33             | 0.29 | 0.14        | 0.10 |
| 6  | 0.1380 | 32 & 40                | 0.72           | 0.59 | 0.41        | 0.28 | 0.11              | 0.07 | 0.21             | 0.17 | 0.33             | 0.29 | 0.14        | 0.10 |
| 8  | 0.1640 | 32 & 36                | 0.91           | 0.78 | 0.47        | 0.34 | 0.14              | 0.10 | 0.27             | 0.22 | 0.43             | 0.39 | 0.18        | 0.14 |
| 10   | 0.1900 | 24 & 32                | 0.91           | 0.78 | 0.47        | 0.34 | 0.14              | 0.10 | 0.27             | 0.22 | 0.43             | 0.39 | 0.18        | 0.14 |
| 12   | 0.2160 | 24 & 28                | 1.10           | 0.97 | 0.57        | 0.43 | 0.18              | 0.14 | 0.33             | 0.26 | 0.50             | 0.45 | 0.22        | 0.17 |
| 1/4  | 0.2500 | 20 & 28                | 1.10           | 0.97 | 0.57        | 0.43 | 0.18              | 0.14 | 0.33             | 0.26 | 0.50             | 0.45 | 0.22        | 0.17 |
| 5/16   | 0.3125 | 18 & 24                | 1.25           | 1.12 | 0.66        | 0.53 | 0.21              | 0.17 | 0.39             | 0.32 | 0.58             | 0.51 | 0.25        | 0.20 |
| 3/8  | 0.3750 | 16 & 24                | 1.44           | 1.31 | 0.79        | 0.65 | 0.24              | 0.20 | 0.48             | 0.42 | 0.70             | 0.64 | 0.30        | 0.26 |
| 7/16   | 0.4375 | 14 & 20                | 1.94           | 1.81 | 1.00        | 0.87 | 0.33              | 0.26 | 0.65             | 0.54 | 0.93             | 0.86 | 0.39        | 0.35 |
| 1 2  | 0.5000 | 13 & 20                | 1.94           | 1.81 | 1.00        | 0.87 | 0.33              | 0.26 | 0.65             | 0.54 | 0.93             | 0.86 | 0.39        | 0.35 |
| 5/8  | 0.6250 | 11 & 18                | 2.76           | 2.62 | 1.44        | 1.31 | 0.40              | 0.34 | 0.90             | 0.80 | 1.19             | 1.13 | 0.55        | 0.51 |
| 3/4  | 0.7500 | 10 & 16                | 2.76           | 2.62 | 1.44        | 1.31 | 0.40              | 0.34 | 0.90             | 0.80 | 1.19             | 1.13 | 0.55        | 0.51 |

|                                     |  |
|-------------------------------------|--|
| <b>Description</b>                  | A nut with wings which allow the part to be manually turned.   |
| <b>Applications/<br/>Advantages</b> | Used when a part is frequently assembled and disassembled at a place where torque greater than that achieved with finger pressure is not needed. |
| <b>Material</b>                     | Steel: Carbon steel adaptable to the cold-forging process.<br>Stainless: 18-8 stainless steel.   |
| <b>Plating</b>                      | See Appendix-A for information about plating steel wing screws.  |