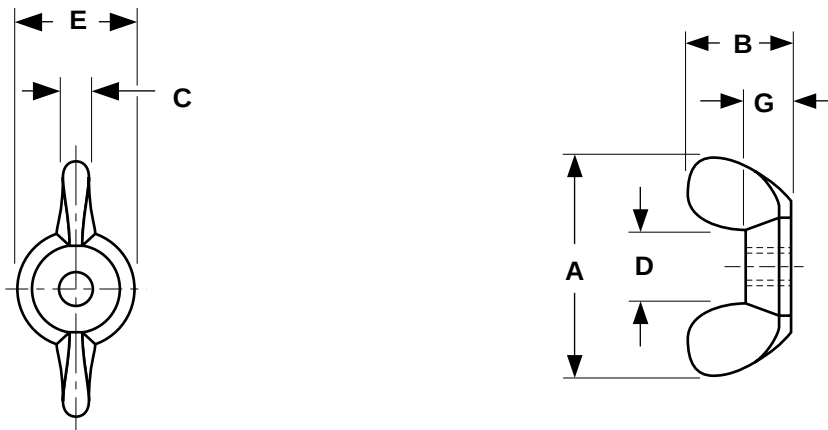




WING NUTS - COLD FORGED

ANSI/ASME  
B18.17

| Nominal Size or<br>Basic Major<br>Diameter of<br>Thread |        | Threads<br>Per<br>Inch | A           |      | B           |      | C              |      | D             |      | E             |      | G           |      |
|---------------------------------------------------------|--------|------------------------|-------------|------|-------------|------|----------------|------|---------------|------|---------------|------|-------------|------|
|                                                         |        |                        | Wing Spread |      | Wing Height |      | Wing Thickness |      | Between Wings |      | Boss 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>                     | <b>Steel:</b> Carbon steel adaptable to the cold-forging process.<br><b>Stainless:</b> 18-8 stainless steel.                                     |
| <b>Plating</b>                      | See Appendix-A for information about plating steel wing screws.                                                                                  |