Wescon Industries Inc.
601 Century Plaza Dr, Houston, TX 77073
www.wesconusa.com

# DATASHEET

PART NUMBER

# W415004U

## Carbide Tipped #40 Countersink Cutter, 100° 1/2" Body

WEBSITE

https://www.wesconusa.com/products/W415004U




* The image represents the general look of the series. Actual product may vary based on options selected.

Wescon Carbide Tipped Aircraft Countersink Cutter with 100 angle. Designed for precision aerospace applications, this cutter features an integrated pilot for accurate alignment, superior durability, and a clean finish on varied materials.

## SPECIFICATIONS

| | |
|---|---|
| **Angle** | 100° Angle |
| **Flute** | 2 Flutes |
| **Material** | Carbide Tipped |
| **Pilot Size** | #40 (0.098") |
| **Thread Size** | 1/4-28 |
| **Body Diameter** | 1/2" (0.5") |
| **Country of Origin** | USA |


Subject to change without notice
© Copyright Wescon Industries Inc

## ADDITIONAL IMAGES AND DRAWINGS




Image 1


Subject to change without notice
© Copyright Wescon Industries Inc




Image 2


Subject to change without notice
© Copyright Wescon Industries Inc




Image 3


Subject to change without notice
© Copyright Wescon Industries Inc




Image 4


Subject to change without notice
© Copyright Wescon Industries Inc




Image 5

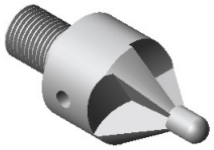

Subject to change without notice
© Copyright Wescon Industries Inc

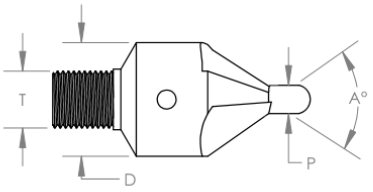



Image 6


Subject to change without notice
© Copyright Wescon Industries Inc

## W415 Series Cutter






| Imperial Standards | | |
|---|---|---|
| **D-Diameter** | **P-Pilot Size (Min - Max)** | **T-Thread** |
| 3/8" | #40 - 3/16" | 1/4-28 |
| 3/4" | #10 - 1/2" | 1/4-28 |
| 7/16" | #40 - 1/4" | 1/4-28 |
| 1/2" | #40 - 1/4" | 1/4-28 |
| 5/8" | #30 - 3/8" | 1/4-28 |
| 3/4" | #10 - 1/2" | 3/8-24 |
| 7/8" | #10 - 1/2" | 3/8-24 |
| 1" | #10 - 1/2" | 3/8-24 |
| 1-1/8" | #10 - 1/2" | 3/8-24 |
| 1-1/4" | #10 - 1/2" | 3/8-24 |
| 3/4" | #10 - 1/2" | 7/16-20 |
| 7/8" | #10 - 1/2" | 7/16-20 |
| 1" | #10 - 1/2" | 7/16-20 |
| 1-1/8" | #10 - 1/2" | 7/16-20 |
| 1-1/4" | #10 - 1/2" | 7/16-20 |
| Custom diameter and pilot size available see wesconusa.com | | |

| **A-Angle** |
|---|
| 78° |
| 82° |
| 90° |
| 100° |
| 110° |
| 120° |

| **No. Of Flutes** |
|---|
| 2 |
| 3 |
| 4 |

| Metric Standards | | |
|---|---|---|
| **D-Diameter** | **P-Pilot Size (Min - Max)** | **T-Thread** |
| 10 mm | 2.38 mm - 4.83 mm | M6x1 |
| 14 mm | 2.38 mm - 6.35 mm | M8x1 |
| 17 mm | 3.96 mm - 8.00 mm | M8x1 |
| 21 mm | 6.35 mm - 10.00 mm | M8x1 |
| Custom diameter and pilot size available see wesconusa.com | | |

| **Material** |
|---|
| HSS |
| Cobalt |
| PCD |
| Carbide |
| Carbide Tipped |

**Notes:**
- For ordering: Specify part number (or) if unavailable, generate part number by visiting: wesconusa.com
- Information needed to generate part number: Material, Cutting Angle, Body Diameter, Pilot Diameter, and Number of Flutes

| | | | |
|---|---|---|---|
| | | WESCON | Part Number **W415** |
| | Do not modify, copy, distribute, or reproduce this drawing without prior written authorization. | © 2025 Wescon Industries Inc.<br>601 Century Plaza Dr. Houston, TX 77073, US<br>www.wesconusa.com | Countersink Cutter with integrated Pilot |
| Revision 05 | All dimensions are in Inches | Information in this drawing is provided for reference only | |

Image 7


Subject to change without notice
© Copyright Wescon Industries Inc