

# Tools – Countersink Bits

RUKO countersinks are CBN ground from fully hardened, High-Speed Steel (HSS) blanks. Since CBN (cubic crystalline boron nitride) is a much harder abrasive than either silicon carbide or corundum, CBN grinding of the fully hardened material creates a sharper and more durable cutting edge with precise tolerances.

Radially-adjusted relief grinding ensures that the cutting edge is always the highest point. Combined with the axial relief grinding, this guarantees a smooth, low-heat, chatter-free cut up to 30% faster than competing countersink bits.

This tough tool is suitable for all standard industrial materials: steel, cast iron, stainless steel, non-ferrous metal, thermoplastics, and duroplastics. Best results are achieved at low cutting speeds. Use of cutting oil or paste will provide longer tool life and superior quality work.

Available in both 82° taper for UNC and UNF fasteners and DIN 335 Type C 90° taper for metric fasteners.

| RUKO Countersink Bits - Metric with 3-Flat Shank - 90° Taper |         |   |                    |                   |                     |
|--|---------|---|--------------------|-------------------|---------------------|
| Part #   | Price   | Countersink Diameter (d1)   | Nose Diameter (d3) | Total Length (L)  | Shank Diameter (d2) |
| <a href="#">102714</a>                                       |         | 10.4 mm [0.41 in]   | 2.5 mm [0.10 in]   | 50.0 mm [1.97 in] | 6.0 mm [0.24 in]    |
| <a href="#">102716</a>                                       | Retired | 12.4 mm [0.49 in]   | 2.8 mm [0.11 in]   | 56.0 mm [2.20 in] | 8.0 mm [0.31 in]    |
| <a href="#">102723</a>                                       |         | 25.0 mm [0.98 in]   | 3.8 mm [0.15 in]   | 67.0 mm [2.64 in] | 10.0 mm [0.39 in]   |
| <a href="#">102153</a>                                       |         | 5-piece, 90° Countersink set - Includes: 102714, 102716, 102721, 102723 |                    |                   |                     |

| RUKO Countersink Bits - Inch with Round Shank - 82° Taper |       |   |                    |                  |                     |
|---|-------|---|--------------------|------------------|---------------------|
| Part #  | Price | Countersink Diameter (d1)   | Nose Diameter (d3) | Total Length (L) | Shank Diameter (d2) |
| <a href="#">102182</a>                                    |       | 1/4 in [6.4 mm]   | 3/64 in [1.2 mm]   | 1.77 in [45 mm]  | 0.2 in [5 mm]       |
| <a href="#">102183</a>                                    |       | 5/16 in [7.9 mm]  | 1/16 in [1.6 mm]   | 1.97 in [50 mm]  | 0.24 in [6 mm]      |
| <a href="#">102184</a>                                    |       | 3/8 in [9.5 mm]   | 5/64 in [2 mm]     | 1.97 in [50 mm]  | 0.24 in [6 mm]      |
| <a href="#">102186</a>                                    |       | 1/2 in [12.7 mm]  | 3/32 in [2.4 mm]   | 2.2 in [56 mm]   | 0.32 in [8 mm]      |
| <a href="#">102188</a>                                    |       | 5/8 in [15.9 mm]  | 7/64 in [2.8 mm]   | 2.36 in [60 mm]  | 0.39 in [10 mm]     |
| <a href="#">102189</a>                                    |       | 3/4 in [19.1 mm]  | 1/8 in [3.2 mm]    | 2.48 in [63 mm]  | 0.39 in [10 mm]     |
| <a href="#">102190</a>                                    |       | 7/8 in [22.2 mm]  | 9/64 in [4.3 mm]   | 2.64 in [67 mm]  | 0.39 in [10 mm]     |
| <a href="#">102191</a>                                    |       | 1 in [25.4 mm]  | 9/64 in [4.3 mm]   | 2.99 in [76 mm]  | 0.39 in [10 mm]     |
| <a href="#">102193RO</a>                                  |       | 5-piece, 82° Countersink set - Includes: 102182, 102184, 102186, 102189, 102191 |                    |                  |                     |



**102153**

