

## End Mills

### Cobalt M42

#### 2 Flute - Regular Length - Ball Nose - Weldon Shank



Tolerance: +0.0010/0

- Designed for milling of radius bottom slots, fillets and special contours
- The end teeth are cut to center allowing these end mills to drill into material at the beginning of a slotting cut
- 2 flute design provides good chip removal ability in slotting

| Cutter Diameter (Inch) | Shank Diameter (Inch) | Length of Cut (Inch) | Overall Length (Inch) | Code   | Cutter Diameter (Inch) | Shank Diameter (Inch) | Length of Cut (Inch) | Overall Length (Inch) | Code   |
|------------------------|-----------------------|----------------------|-----------------------|--------|------------------------|-----------------------|----------------------|-----------------------|--------|
| 7/16                   | 1/2                   | 1                    | 3                     | 931668 | 1-1/8                  | 1                     | 2-1/4                | 4-3/4                 | 931674 |
| 9/16                   | 1/2                   | 1-1/8                | 3-1/8                 | 931670 | 1-1/4                  | 3/4                   | 1-5/8                | 3-7/8                 | 931690 |
| 5/8                    | 1/2                   | 1-1/8                | 3-1/8                 | 931684 | 1-1/4                  | 1-1/4                 | 2-1/2                | 5                     | 931676 |
| 3/4                    | 1/2                   | 1-5/16               | 3-5/16                | 931686 | 1-3/8                  | 3/4                   | 1-5/8                | 4-1/8                 | 931692 |
| 7/8                    | 3/4                   | 2                    | 4-1/4                 | 931696 | 1-3/8                  | 1-1/4                 | 2-1/2                | 5                     | 931678 |
| 7/8                    | 7/8                   | 2                    | 4-1/4                 | 931672 | 1-1/2                  | 3/4                   | 1-5/8                | 4-1/8                 | 931694 |
| 1                      | 3/4                   | 2-1/4                | 4-1/2                 | 931698 | 1-1/2                  | 1-1/4                 | 2-1/2                | 5                     | 931680 |
| 1-1/8                  | 3/4                   | 1-5/8                | 3-7/8                 | 931688 | 2                      | 1-1/4                 | 2-1/2                | 5                     | 931682 |

#### 2 Flute - Extended Length - Ball Nose - Weldon Shank



Tolerance: +0.0010/0

- Longer flute length suitable for high efficiency for mold making

| Cutter Diameter (Inch) | Shank Diameter (Inch) | Length of Cut (Inch) | Overall Length (Inch) | Code   | Cutter Diameter (Inch) | Shank Diameter (Inch) | Length of Cut (Inch) | Overall Length (Inch) | Code   |
|------------------------|-----------------------|----------------------|-----------------------|--------|------------------------|-----------------------|----------------------|-----------------------|--------|
| 1/2                    | 1/2                   | 1                    | 4                     | 931712 | 3/4                    | 3/4                   | 1-5/8                | 5-3/8                 | 931716 |
| 5/8                    | 5/8                   | 1-3/8                | 4-5/8                 | 931714 | 1                      | 1                     | 2-1/2                | 7-1/4                 | 931718 |

#### 2 Flute - Regular Length - Center Cut - Double End - Weldon Shank



| Cutter Diameter (Inch) | Shank Diameter (Inch) | Length of Cut (Inch) | Overall Length (Inch) | Code   | Cutter Diameter (Inch) | Shank Diameter (Inch) | Length of Cut (Inch) | Overall Length (Inch) | Code   |
|------------------------|-----------------------|----------------------|-----------------------|--------|------------------------|-----------------------|----------------------|-----------------------|--------|
| 1/8                    | 3/8                   | 3/8                  | 3-1/16                | 930225 | 3/8                    | 3/8                   | 9/16                 | 3-1/8                 | 930245 |
| 3/16                   | 3/8                   | 7/16                 | 3-1/8                 | 930230 | 1/2                    | 1/2                   | 13/16                | 3-3/4                 | 930250 |
| 1/4                    | 3/8                   | 1/2                  | 3-1/8                 | 930235 | 3/4                    | 3/4                   | 1-5/16               | 5                     | 930255 |
| 5/16                   | 3/8                   | 9/16                 | 3-1/8                 | 930240 |                        |                       |                      |                       |        |