

# 4 FLUTE

STUB LENGTH BALL NOSE END MILLS

0.0100" - 0.0394" DIAMETER

Mirror Surface Finishes

Sub Micron Grain Carbide



Symbol Descriptions [Page 7](#)

## STUB Length (Inch Sizes)

| Dimensions (in)                         |     |       |       |               | Uncoated |               | AITIN Coating |               | NEW DLC Coating |  |
|---|-----|-------|-------|---------------|----------|---------------|---------------|---------------|-----------------|--|
| D <sup>+0.000</sup> / <sub>-0.001</sub> | d   | ℓ     | L     | Part Number   | Stock    | Part Number   | Stock         | Part Number   | Stock           |  |
| NEW 0.0100                              | 1/8 | 0.015 | 1 1/2 | 1835-0100.015 | ●        | 1835-0100L015 | ●             | 1835-0100D015 | ■               |  |
| NEW 0.0110                              | 1/8 | 0.016 | 1 1/2 | 1835-0110.016 | ●        | 1835-0110L016 | ●             | 1835-0110D016 | ■               |  |
| NEW 0.0120                              | 1/8 | 0.018 | 1 1/2 | 1835-0120.018 | ●        | 1835-0120L018 | ●             | 1835-0120D018 | ■               |  |
| NEW 0.0130                              | 1/8 | 0.019 | 1 1/2 | 1835-0130.019 | ●        | 1835-0130L019 | ●             | 1835-0130D019 | ■               |  |
| NEW 0.0140                              | 1/8 | 0.021 | 1 1/2 | 1835-0140.021 | ●        | 1835-0140L021 | ●             | 1835-0140D021 | ■               |  |
| 0.0156 (1/64)                           | 1/8 | 0.023 | 1 1/2 | 1835-0156.023 | ●        | 1835-0156L023 | ●             | 1835-0156D023 | ■               |  |
| NEW 0.0160                              | 1/8 | 0.024 | 1 1/2 | 1835-0160.024 | ●        | 1835-0160L024 | ●             | 1835-0160D024 | ■               |  |
| NEW 0.0170                              | 1/8 | 0.026 | 1 1/2 | 1835-0170.026 | ●        | 1835-0170L026 | ●             | 1835-0170D026 | ■               |  |
| NEW 0.0180                              | 1/8 | 0.027 | 1 1/2 | 1835-0180.027 | ●        | 1835-0180L027 | ●             | 1835-0180D027 | ■               |  |
| NEW 0.0190                              | 1/8 | 0.029 | 1 1/2 | 1835-0190.029 | ●        | 1835-0190L029 | ●             | 1835-0190D029 | ■               |  |
| NEW 0.0200                              | 1/8 | 0.030 | 1 1/2 | 1835-0200.030 | ●        | 1835-0200L030 | ●             | 1835-0200D030 | ■               |  |
| NEW 0.0210                              | 1/8 | 0.031 | 1 1/2 | 1835-0210.031 | ●        | 1835-0210L031 | ●             | 1835-0210D031 | ■               |  |
| NEW 0.0220                              | 1/8 | 0.033 | 1 1/2 | 1835-0220.033 | ●        | 1835-0220L033 | ●             | 1835-0220D033 | ■               |  |
| NEW 0.0230                              | 1/8 | 0.035 | 1 1/2 | 1835-0230.035 | ●        | 1835-0230L035 | ●             | 1835-0230D035 | ■               |  |
| NEW 0.0240                              | 1/8 | 0.036 | 1 1/2 | 1835-0240.036 | ●        | 1835-0240L036 | ●             | 1835-0240D036 | ■               |  |
| NEW 0.0250                              | 1/8 | 0.037 | 1 1/2 | 1835-0250.037 | ●        | 1835-0250L037 | ●             | 1835-0250D037 | ■               |  |
| NEW 0.0260                              | 1/8 | 0.039 | 1 1/2 | 1835-0260.039 | ●        | 1835-0260L039 | ●             | 1835-0260D039 | ■               |  |
| NEW 0.0270                              | 1/8 | 0.041 | 1 1/2 | 1835-0270.041 | ●        | 1835-0270L041 | ●             | 1835-0270D041 | ■               |  |
| NEW 0.0280                              | 1/8 | 0.042 | 1 1/2 | 1835-0280.042 | ●        | 1835-0280L042 | ●             | 1835-0280D042 | ■               |  |
| NEW 0.0290                              | 1/8 | 0.043 | 1 1/2 | 1835-0290.043 | ●        | 1835-0290L043 | ●             | 1835-0290D043 | ■               |  |
| NEW 0.0300                              | 1/8 | 0.045 | 1 1/2 | 1835-0300.045 | ●        | 1835-0300L045 | ●             | 1835-0300D045 | ■               |  |
| 0.0312 (1/32)                           | 1/8 | 0.047 | 1 1/2 | 1835-0312.047 | ●        | 1835-0312L047 | ●             | 1835-0312D047 | ■               |  |
| NEW 0.0320                              | 1/8 | 0.048 | 1 1/2 | 1835-0320.048 | ●        | 1835-0320L048 | ●             | 1835-0320D048 | ■               |  |
| NEW 0.0330                              | 1/8 | 0.049 | 1 1/2 | 1835-0330.049 | ●        | 1835-0330L049 | ●             | 1835-0330D049 | ■               |  |
| NEW 0.0340                              | 1/8 | 0.051 | 1 1/2 | 1835-0340.051 | ●        | 1835-0340L051 | ●             | 1835-0340D051 | ■               |  |
| NEW 0.0350                              | 1/8 | 0.052 | 1 1/2 | 1835-0350.052 | ●        | 1835-0350L052 | ●             | 1835-0350D052 | ■               |  |
| NEW 0.0360                              | 1/8 | 0.054 | 1 1/2 | 1835-0360.054 | ●        | 1835-0360L054 | ●             | 1835-0360D054 | ■               |  |
| NEW 0.0370                              | 1/8 | 0.055 | 1 1/2 | 1835-0370.055 | ●        | 1835-0370L055 | ●             | 1835-0370D055 | ■               |  |
| NEW 0.0380                              | 1/8 | 0.057 | 1 1/2 | 1835-0380.057 | ●        | 1835-0380L057 | ●             | 1835-0380D057 | ■               |  |
| NEW 0.0394                              | 1/8 | 0.058 | 1 1/2 | 1835-0394.058 | ●        | 1835-0394L058 | ●             | 1835-0394D058 | ■               |  |

| SERIES 1835 WORKPIECE MATERIAL |                |                  |                         |                         |                   |             |            |            |                |        |           |                     |                        |                   |                  |
|--------------------------------|----------------|------------------|-------------------------|-------------------------|-------------------|-------------|------------|------------|----------------|--------|-----------|---------------------|------------------------|-------------------|------------------|
| Coating                        | P Steel ~30HRC | P Steel 30~40HRC | H Hardened Steel ~55HRC | H Hardened Steel ~68HRC | M Stainless Steel | K Cast Iron | N Aluminum | N Graphite | N Copper Alloy | N CFRP | N Plastic | N Thermoset Plastic | N High Density Plastic | S Nickel / Cobalt | S Titanium Alloy |
| AITIN                          | ★              | ★                | ★                       | ☆                       | ☆                 | ☆           |            |            |                |        |           |                     |                        | ☆                 | ☆                |
| DLC                            |                |                  |                         |                         |                   |             | ☆          | ★          | ☆              | ★      | ★         | ★                   |                        |                   |                  |
| Uncoated                       |                |                  |                         |                         |                   |             | ☆          | ☆          | ☆              | ☆      | ☆         | ☆                   | ☆                      |                   | ☆                |

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)

- : U.S. Stock Standard
- : NOT STOCKED - Call for Delivery
- ▲ : Coming Soon