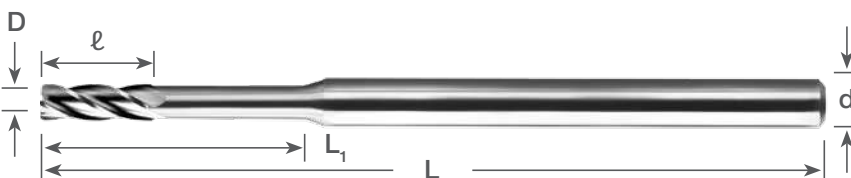


## 3 FLUTE

0.0100" - 0.0550" DIAMETER

EXTENDED REACH SQUARE END MILLS  
DEEP REACH MILLING

Mirror Surface Finishes  
Sub Micron Grain Carbide



### EXTENDED Reach (Inch Sizes)

|     | Dimensions (in)                         |     |       |       |                | Uncoated      |       | AlTiN Coating |       | NEW DLC Coating |       |
|-----|---|-----|-------|-------|----------------|---------------|-------|---------------|-------|-----------------|-------|
|     | D <sup>+0.000</sup> / <sub>-0.001</sub> | d   | ℓ     | L     | L <sub>1</sub> | Part Number   | Stock | Part Number   | Stock | Part Number     | Stock |
| NEW | 0.0100                                  | 1/8 | 0.050 | 2-1/2 | 0.100          | 1740-0100.100 | ●     | 1740-0100L100 | ●     | 1740-0100D100   | ■     |
|     | 0.0150                                  | 1/8 | 0.022 | 2 1/2 | 0.078          | 1740-0150.078 | ●     | 1740-0150L078 | ●     | 1740-0150D078   | ■     |
|     | 0.0150                                  | 1/8 | 0.022 | 2 1/2 | 0.125          | 1740-0150.125 | ●     | 1740-0150L125 | ●     | 1740-0150D125   | ■     |
|     | 0.0150                                  | 1/8 | 0.075 | 2 1/2 | 0.150          | 1740-0150.150 | ●     | 1740-0150L150 | ●     | 1740-0150D150   | ■     |
| NEW | 0.0156 (1/64)                           | 1/8 | 0.075 | 2 1/2 | 0.150          | 1740-0156.150 | ●     | 1740-0156L150 | ●     | 1740-0156D150   | ■     |
|     | 0.0200                                  | 1/8 | 0.030 | 2 1/2 | 0.100          | 1740-0200.100 | ●     | 1740-0200L100 | ●     | 1740-0200D100   | ■     |
|     | 0.0200                                  | 1/8 | 0.030 | 2 1/2 | 0.160          | 1740-0200.160 | ●     | 1740-0200L160 | ●     | 1740-0200D160   | ■     |
|     | 0.0200                                  | 1/8 | 0.100 | 2 1/2 | 0.200          | 1740-0200.200 | ●     | 1740-0200L200 | ●     | 1740-0200D200   | ■     |
|     | 0.0250                                  | 1/8 | 0.037 | 2 1/2 | 0.125          | 1740-0250.125 | ●     | 1740-0250L125 | ●     | 1740-0250D125   | ■     |
|     | 0.0250                                  | 1/8 | 0.037 | 2 1/2 | 0.200          | 1740-0250.200 | ●     | 1740-0250L200 | ●     | 1740-0250D200   | ■     |
|     | 0.0250                                  | 1/8 | 0.125 | 2 1/2 | 0.250          | 1740-0250.250 | ●     | 1740-0250L250 | ●     | 1740-0250D250   | ■     |
|     | 0.0300                                  | 1/8 | 0.045 | 2 1/2 | 0.156          | 1740-0300.156 | ●     | 1740-0300L156 | ●     | 1740-0300D156   | ■     |
|     | 0.0300                                  | 1/8 | 0.045 | 2 1/2 | 0.250          | 1740-0300.250 | ●     | 1740-0300L250 | ●     | 1740-0300D250   | ■     |
|     | 0.0300                                  | 1/8 | 0.150 | 2 1/2 | 0.300          | 1740-0300.300 | ●     | 1740-0300L300 | ●     | 1740-0300D300   | ■     |
| NEW | 0.0312 (1/32)                           | 1/8 | 0.155 | 2 1/2 | 0.310          | 1740-0312.310 | ●     | 1740-0312L310 | ●     | 1740-0312D310   | ■     |
|     | 0.0350                                  | 1/8 | 0.052 | 2 1/2 | 0.187          | 1740-0350.187 | ●     | 1740-0350L187 | ●     | 1740-0350D187   | ■     |
|     | 0.0350                                  | 1/8 | 0.052 | 2 1/2 | 0.280          | 1740-0350.280 | ●     | 1740-0350L280 | ●     | 1740-0350D280   | ■     |
|     | 0.0350                                  | 1/8 | 0.175 | 2 1/2 | 0.350          | 1740-0350.350 | ●     | 1740-0350L350 | ●     | 1740-0350D350   | ■     |
|     | 0.0400                                  | 1/8 | 0.060 | 2 1/2 | 0.200          | 1740-0400.200 | ●     | 1740-0400L200 | ●     | 1740-0400D200   | ■     |
|     | 0.0400                                  | 1/8 | 0.060 | 2 1/2 | 0.325          | 1740-0400.325 | ●     | 1740-0400L325 | ●     | 1740-0400D325   | ■     |
|     | 0.0400                                  | 1/8 | 0.200 | 2 1/2 | 0.400          | 1740-0400.400 | ●     | 1740-0400L400 | ●     | 1740-0400D400   | ■     |
|     | 0.0450                                  | 1/8 | 0.067 | 2 1/2 | 0.225          | 1740-0450.225 | ●     | 1740-0450L225 | ●     | 1740-0450D225   | ■     |
|     | 0.0450                                  | 1/8 | 0.067 | 2 1/2 | 0.375          | 1740-0450.375 | ●     | 1740-0450L375 | ●     | 1740-0450D375   | ■     |
|     | 0.0450                                  | 1/8 | 0.225 | 2 1/2 | 0.450          | 1740-0450.450 | ●     | 1740-0450L450 | ●     | 1740-0450D450   | ■     |
| NEW | 0.0469 (3/64)                           | 1/8 | 0.250 | 2 1/2 | 0.500          | 1740-0469.500 | ●     | 1740-0469L500 | ●     | 1740-0469D500   | ■     |
|     | 0.0500                                  | 1/8 | 0.075 | 2 1/2 | 0.250          | 1740-0500.250 | ●     | 1740-0500L250 | ●     | 1740-0500D250   | ■     |
|     | 0.0500                                  | 1/8 | 0.075 | 2 1/2 | 0.400          | 1740-0500.400 | ●     | 1740-0500L400 | ●     | 1740-0500D400   | ■     |
|     | 0.0500                                  | 1/8 | 0.300 | 2 1/2 | 0.600          | 1740-0500.600 | ●     | 1740-0500L600 | ●     | 1740-0500D600   | ■     |
|     | 0.0550                                  | 1/8 | 0.082 | 2 1/2 | 0.275          | 1740-0550.275 | ●     | 1740-0550L275 | ●     | 1740-0550D275   | ■     |
|     | 0.0550                                  | 1/8 | 0.082 | 2 1/2 | 0.450          | 1740-0550.450 | ●     | 1740-0550L450 | ●     | 1740-0550D450   | ■     |
|     | 0.0550                                  | 1/8 | 0.385 | 2 1/2 | 0.770          | 1740-0550.770 | ●     | 1740-0550L770 | ●     | 1740-0550D770   | ■     |

| SERIES 1740 WORKPIECE MATERIAL |                      |                        |                               |                               |                         |                |               |               |                      |           |              |                           |                              |                         |                        |
|--------------------------------|----------------------|------------------------|-------------------------------|-------------------------------|-------------------------|----------------|---------------|---------------|----------------------|-----------|--------------|---------------------------|------------------------------|-------------------------|------------------------|
| Coating                        | P<br>Steel<br>-30HRC | P<br>Steel<br>30-40HRC | H<br>Hardened Steel<br>-55HRC | H<br>Hardened Steel<br>-68HRC | M<br>Stainless<br>Steel | K<br>Cast Iron | N<br>Aluminum | N<br>Graphite | N<br>Copper<br>Alloy | N<br>CFRP | N<br>Plastic | N<br>Thermoset<br>Plastic | N<br>High Density<br>Plastic | S<br>Nickel /<br>Cobalt | S<br>Titanium<br>Alloy |
| AlTiN                          | ★                    | ★                      | ★                             | ☆                             | ☆                       | ☆              |               |               |                      |           |              |                           |                              | ☆                       | ☆                      |
| DLC                            |                      |                        |                               |                               |                         |                | ☆             | ★             | ☆                    | ★         | ★            | ★                         |                              |                         |                        |
| Uncoated                       |                      |                        |                               |                               |                         |                | ☆             | ☆             | ☆                    | ☆         | ☆            | ☆                         | ☆                            |                         | ☆                      |

★ : Priority ☆ : Applicable Materials

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