



|       |                                      |
|-------|--------------------------------------|
| $d_1$ | $+0.000" - .002" (+.000mm - .050mm)$ |
| $d_2$ | $h6$                                 |

Recommended for titanium and steels under 40Rc

## Multi-Flute End Mill - Square End

### AlCrN Coating

Solid submicron grain carbide end mill - non-center cutting

Multiple flutes for increased feed rates

Odd number of flutes to naturally break up harmonics

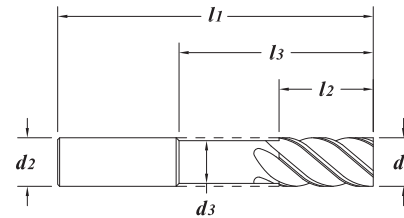
Engineered for High Efficiency Milling

Up to 8% Radial (ap) engagement

Can be used to finish most steels under 40Rc, as well as aluminum

Conventional grind for better finish cutting and less push off when finishing

Regrindable



| EDP#  | $d_1$ †<br>Diameter |        | $d_2$<br>Shank<br>Diameter | $l_1$<br>Overall<br>Length | $l_2$<br>Flute<br>Length | $l_3$<br>Reach<br>Length | $d_3$<br>Neck<br>Diameter | Number<br>Flutes |
|-------|---------------------|--------|----------------------------|----------------------------|--------------------------|--------------------------|---------------------------|------------------|
| 98390 | .2362               | 6.000  | 6.0                        | 50                         | 12                       | -                        | -                         | 7                |
| 98392 | .2362               | 6.000  | 6.0                        | 65                         | 19                       | -                        | -                         | 7                |
| 98394 | .2362               | 6.000  | 6.0                        | 100                        | 38                       | -                        | -                         | 7                |
| 98396 | .2362               | 6.000  | 6.0                        | 100                        | 10                       | 60                       | 5.4                       | 7                |
| 98398 | .2500               | 1/4"   | 6.350                      | 1/4"                       | 2"                       | 3/8"                     | -                         | 7                |
| 98400 | .2500               | 1/4"   | 6.350                      | 1/4"                       | 2-1/2"                   | 3/4"                     | -                         | 7                |
| 98402 | .2500               | 1/4"   | 6.350                      | 1/4"                       | 4"                       | 1-1/2"                   | -                         | 7                |
| 98404 | .3125               | 5/16"  | 7.938                      | 5/16"                      | 2"                       | 7/16"                    | -                         | 7                |
| 98406 | .3125               | 5/16"  | 7.938                      | 5/16"                      | 2-1/2"                   | 13/16"                   | -                         | 7                |
| 98408 | .3125               | 5/16"  | 7.938                      | 5/16"                      | 4"                       | 1-1/2"                   | -                         | 7                |
| 98410 | .3150               | 8.000  | 8.0                        | 50                         | 12                       | -                        | -                         | 7                |
| 98412 | .3150               | 8.000  | 8.0                        | 65                         | 22                       | -                        | -                         | 7                |
| 98414 | .3150               | 8.000  | 8.0                        | 100                        | 38                       | -                        | -                         | 7                |
| 98416 | .3150               | 8.000  | 8.0                        | 100                        | 12                       | 60                       | 7.4                       | 7                |
| 98418 | .3750               | 3/8"   | 9.525                      | 3/8"                       | 2"                       | 1/2"                     | -                         | 7                |
| 98420 | .3750               | 3/8"   | 9.525                      | 3/8"                       | 2-1/2"                   | 7/8"                     | -                         | 7                |
| 98422 | .3750               | 3/8"   | 9.525                      | 3/8"                       | 3"                       | 1-1/4"                   | -                         | 7                |
| 98424 | .3750               | 3/8"   | 9.525                      | 3/8"                       | 4"                       | 2"                       | -                         | 7                |
| 98426 | .3937               | 10.000 | 10.0                       | 50                         | 16                       | -                        | -                         | 7                |
| 98428 | .3937               | 10.000 | 10.0                       | 70                         | 22                       | -                        | -                         | 7                |
| 98430 | .3937               | 10.000 | 10.0                       | 100                        | 38                       | -                        | -                         | 7                |
| 98432 | .3937               | 10.000 | 10.0                       | 100                        | 50                       | -                        | -                         | 7                |
| 98434 | .3937               | 10.000 | 10.0                       | 100                        | 16                       | 60                       | 9.4                       | 7                |
| 98436 | .4724               | 12.000 | 12.0                       | 75                         | 26                       | -                        | -                         | 9                |
| 98438 | .4724               | 12.000 | 12.0                       | 75                         | 32                       | -                        | -                         | 9                |
| 98440 | .4724               | 12.000 | 12.0                       | 100                        | 42                       | -                        | -                         | 9                |
| 98442 | .4724               | 12.000 | 12.0                       | 100                        | 52                       | -                        | -                         | 9                |
| 98444 | .4724               | 12.000 | 12.0                       | 150                        | 19                       | 105                      | 11.4                      | 9                |
| 98446 | .5000               | 1/2"   | 12.700                     | 1/2"                       | 3"                       | 1"                       | -                         | 9                |
| 98448 | .5000               | 1/2"   | 12.700                     | 1/2"                       | 3"                       | 1-1/4"                   | -                         | 9                |
| 98450 | .5000               | 1/2"   | 12.700                     | 1/2"                       | 4"                       | 5/8"                     | 2-1/8"                    | 9                |
| 98452 | .5000               | 1/2"   | 12.700                     | 1/2"                       | 4"                       | 1-1/2"                   | -                         | 9                |
| 98454 | .5000               | 1/2"   | 12.700                     | 1/2"                       | 4"                       | 2-1/8"                   | -                         | 9                |

| EDP#  | $d_1$ †<br>Diameter |        | $d_2$<br>Shank<br>Diameter | $l_1$<br>Overall<br>Length | $l_2$<br>Flute<br>Length | $l_3$<br>Reach<br>Length | $d_3$<br>Neck<br>Diameter | Number<br>Flutes |
|-------|---------------------|--------|----------------------------|----------------------------|--------------------------|--------------------------|---------------------------|------------------|
|       | Decimal             | Metric |                            |                            |                          |                          |                           |                  |
| 98456 | .6250               | 5/8"   | 15.875                     | 5/8"                       | 3-1/2"                   | 1-1/4"                   | -                         | 9                |
| 98458 | .6250               | 5/8"   | 15.875                     | 5/8"                       | 4"                       | 1-5/8"                   | -                         | 9                |
| 98460 | .6250               | 5/8"   | 15.875                     | 5/8"                       | 6"                       | 3-1/4"                   | -                         | 9                |
| 98462 | .6250               | 5/8"   | 15.875                     | 5/8"                       | 6"                       | 3/4"                     | 4-1/8"                    | 9                |
| 98464 | .6299               | 16.000 | 16.0                       | 88                         | 32                       | -                        | -                         | 9                |
| 98466 | .6299               | 16.000 | 16.0                       | 100                        | 42                       | -                        | -                         | 9                |
| 98468 | .6299               | 16.000 | 16.0                       | 150                        | 60                       | -                        | -                         | 9                |
| 98470 | .6299               | 16.000 | 16.0                       | 150                        | 80                       | -                        | -                         | 9                |
| 98472 | .6299               | 16.000 | 16.0                       | 150                        | 22                       | 102                      | 15.4                      | 9                |
| 98474 | .7500               | 3/4"   | 19.050                     | 3/4"                       | 4"                       | 1-1/2"                   | -                         | 11               |
| 98476 | .7500               | 3/4"   | 19.050                     | 3/4"                       | 4"                       | 1-5/8"                   | -                         | 11               |
| 98478 | .7500               | 3/4"   | 19.050                     | 3/4"                       | 5"                       | 2-1/8"                   | -                         | 11               |
| 98480 | .7500               | 3/4"   | 19.050                     | 3/4"                       | 6"                       | 3-1/4"                   | -                         | 11               |
| 98484 | .7874               | 20.000 | 20.0                       | 100                        | 26                       | -                        | -                         | 11               |
| 98486 | .7874               | 20.000 | 20.0                       | 100                        | 38                       | -                        | -                         | 11               |
| 98488 | .7874               | 20.000 | 20.0                       | 150                        | 60                       | -                        | -                         | 11               |
| 98490 | .7874               | 20.000 | 20.0                       | 150                        | 80                       | -                        | -                         | 11               |
| 98494 | 1.000               | 1"     | 25.400                     | 1"                         | 4"                       | 1-1/2"                   | -                         | 13               |
| 98496 | 1.000               | 1"     | 25.400                     | 1"                         | 5"                       | 2-1/4"                   | -                         | 13               |
| 98498 | 1.000               | 1"     | 25.400                     | 1"                         | 6"                       | 3-1/4"                   | -                         | 13               |
| 98500 | 1.000               | 1"     | 25.400                     | 1"                         | 7"                       | 4-1/4"                   | -                         | 13               |

70 ◆

35 ◆

MATERIAL HARDNESS (Rc)

0 ◆