

HIGH-PERFORMANCE MILLING

Application: Ideal for heavy material removal in Aluminum
ISO Material Grades : N



1. 3 Flute Variable Pitch

Chatter free machining at higher speed and feeds.

2. 45° Helix

3. Large Gullet

Improves chip evacuation.

4. Corner Radius Available

.015 through .125

5. Exxtral® Carbon Coating

Ideal for aluminum and non-ferrous materials.

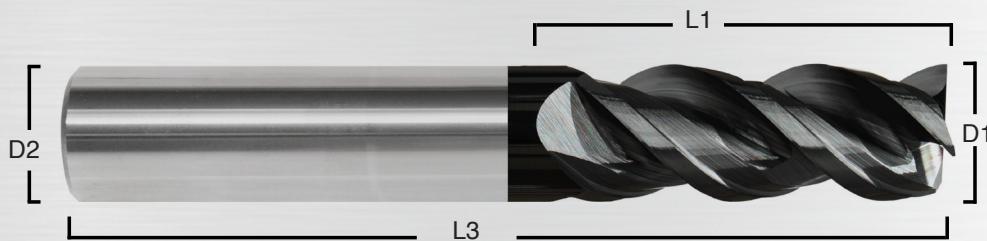
3-4 times more tool life compared to PVD coating.



Fractional

| D1 Diameter | D2 Shank | L1 LOC | L3 OAL | SQUARE | .015 RAD | .030 RAD | .060 RAD | .090 RAD | .125 RAD | BALL |
|----------------|-------------|-----------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1/4 | 1/4 | 1/2 | 2 | 9525188 | 9501569 | 9504108 | 9507485 | | | 9525187 |
| 1/4 | 1/4 | 3/4 | 2-1/2 | 9525195 | 9501572 | 9504111 | 9507488 | | | 9525194 |
| 5/16 | 5/16 | 1/2 | 2 | 9525199 | 9581455 | 9581717 | 9584758 | | | 9525198 |
| 5/16 | 5/16 | 3/4 | 2-1/2 | 9525201 | 9501573 | 9504112 | 9507489 | | | 9525200 |
| 3/8 | 3/8 | 1/2 | 2 | 9525203 | 9501574 | 9504113 | 9585964 | 9586042 | 9586086 | 9586168 |
| 3/8 | 3/8 | 1 | 2-1/2 | 9525221 | 9501579 | 9504117 | 9507492 | 9509468 | 9512293 | 9525220 |
| 1/2 | 1/2 | 5/8 | 2-1/2 | 9525228 | 9581457 | 9581718 | 9584759 | 9509469 | 9585224 | 9525227 |
| 1/2 | 1/2 | 1-1/4 | 3 | 9525251 | 9501586 | 9504125 | 9507499 | 9509473 | 9512302 | 9525250 |
| 5/8 | 5/8 | 3/4 | 3 | 9525257 | 9581460 | 9581719 | 9584760 | 9585020 | 9585226 | 9525256 |
| 5/8 | 5/8 | 1-5/8 | 3-1/2 | 9525276 | 9585959 | 9585961 | 9585965 | 9586044 | 9586087 | 9586169 |
| 3/4 | 3/4 | 1 | 3 | 9525279 | 9501589 | 9581723 | 9584763 | 9585024 | 9512308 | 9525278 |
| 3/4 | 3/4 | 1-5/8 | 4 | 9525299 | 9501596 | 9504136 | 9507506 | 9509475 | 9512315 | 9525298 |
| 7/8 | 7/8 | 1-1/2 | 4 | 9525305 | 9501598 | 9581725 | 9584765 | 9585028 | 9585228 | 9525304 |
| 1 | 1 | 1-1/2 | 4 | 9525311 | 9501599 | 9581726 | 9507508 | 9585029 | 9512316 | 9525310 |

"Other Dimensions Are Available Upon Request"



Extended Neck

| D1 Diameter | D2 Shank | L1 LOC | L2 LBS | L3 OAL | SQUARE | .015 RAD | .030 RAD | .060 RAD | .090 RAD | .125 RAD | BALL |
|----------------|-------------|-----------|-----------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1/4 | 1/4 | 1/2 | 1-1/4 | 3 | 9525190 | 9501570 | 9504109 | 9507486 | | | 9525189 |
| 1/4 | 1/4 | 1/2 | 2-1/8 | 4 | 9525193 | 9501571 | 9504110 | 9507487 | | | 9525192 |
| 3/8 | 3/8 | 3/4 | 1-1/4 | 3 | 9525214 | 9501578 | 9504115 | 9507490 | 9509467 | 9512291 | 9525213 |
| 3/8 | 3/8 | 3/4 | 2-1/8 | 4 | 9525216 | 9581456 | 9504116 | 9507491 | 9585018 | 9512292 | 9525215 |
| 1/2 | 1/2 | 7/8 | 1-3/8 | 3 | 9525238 | 9501583 | 9504120 | 9507494 | 9585019 | 9512295 | 9525237 |
| 1/2 | 1/2 | 7/8 | 2-1/8 | 4 | 9525240 | 9501584 | 9504121 | 9507495 | 9509470 | 9512297 | 9525239 |
| 1/2 | 1/2 | 7/8 | 3-1/8 | 5 | 9525241 | 9581458 | 9504122 | 9507496 | 9586043 | 9512298 | 9583819 |
| 1/2 | 1/2 | 7/8 | 4-1/8 | 6 | 9525244 | 9581459 | 9504123 | 9507497 | 9509471 | 9585225 | 9525243 |
| 5/8 | 5/8 | 1 | 2 | 4 | 9525266 | 9581461 | 9581720 | 9507500 | 9585021 | 9512305 | 9585431 |
| 5/8 | 5/8 | 1 | 3 | 5 | 9525269 | 9581462 | 9581721 | 9584761 | 9585022 | 9512306 | 9525268 |
| 5/8 | 5/8 | 1 | 4 | 6 | 9525271 | 9581463 | 9581722 | 9584762 | 9585023 | 9585227 | 9525270 |
| 3/4 | 3/4 | 1-1/4 | 2 | 4 | 9525290 | 9501591 | 9581724 | 9584764 | 9585025 | 9512311 | 9525289 |
| 3/4 | 3/4 | 1-1/4 | 3 | 5 | 9525292 | 9501592 | 9504133 | 9507503 | 9585026 | 9512312 | 9525291 |
| 3/4 | 3/4 | 1-1/4 | 4 | 6 | 9525294 | 9581465 | 9504134 | 9507504 | 9585027 | 9512313 | 9525293 |
| 1 | 1 | 1-1/2 | 3 | 5 | 9525313 | 9501600 | 9581727 | 9507509 | 9585030 | 9512317 | 9585432 |
| 1 | 1 | 1-1/2 | 4 | 6 | 9525315 | 9581466 | 9581728 | 9584766 | 9585031 | 9585229 | 9525314 |
| 1 | 1 | 1-1/2 | 5 | 7 | 9525317 | 9581467 | 9581729 | 9507510 | 9585032 | 9512318 | 9525316 |

"Other Dimensions Are Available Upon Request"

