















































































END MILL SERIES LISTING

| Series | Description | Flutes | | Pages |
|--------|---|--------|---|-------|
| 001 | Standard Carbide, Stub Length , Square, Single End Uncoated | 2,3,4 |  | 1 |
| 002 | Standard Carbide, Stub Length , Square, Single End, TiN coated | 2,3,4 |  | 1 |
| 003 | Standard Carbide, Stub Length , Square, Single End, TiALN coated | 2,3,4 |  | 1 |
| 004 | Standard Carbide, Regular Length , Square, Single End Uncoated | 2,3,4 |  | 2 |
| 005 | Standard Carbide, Regular Length , Square, Single End, TiN coated | 2,3,4 |  | 2 |
| 006 | Standard Carbide, Regular Length , Square, Single End, TiALN coated | 2,3,4 |  | 2 |
| 007 | Standard Carbide, Long Length , Square, Single End Uncoated | 2,4 |  | 3 |
| 008 | Standard Carbide, Long Length , Square, Single End, TiN coated | 2,4 |  | 3 |
| 009 | Standard Carbide, Long Length , Square, Single End, TiALN coated | 2,4 |  | 3 |
| 010 | Standard Carbide, Extra Long Length , Square, Single End Uncoated | 2,4 |  | 3 |
| 011 | Standard Carbide, Extra Long Length , Square, Single End, TiN coated | 2,4 |  | 3 |
| 012 | Standard Carbide, Extra Long Length , Square, Single End, TiALN coated | 2,4 |  | 3 |
| 013 | Standard Carbide, Stub Length , Ball Nose, Single End Uncoated | 2,3,4 |  | 4 |
| 014 | Standard Carbide, Stub Length , Ball Nose, Single End, TiN coated | 2,3,4 |  | 4 |
| 015 | Standard Carbide, Stub Length , Ball Nose, Single End, TiALN coated | 2,3,4 |  | 4 |
| 016 | Standard Carbide, Regular Length , Ball Nose, Single End Uncoated | 2,3,4 |  | 5 |
| 017 | Standard Carbide, Regular Length , Ball Nose, Single End, TiN coated | 2,3,4 |  | 5 |
| 018 | Standard Carbide, Regular Length , Ball Nose, Single End, TiALN coated | 2,3,4 |  | 5 |
| 019 | Standard Carbide, Long Length , Ball Nose, Single End Uncoated | 2,4 |  | 6 |
| 020 | Standard Carbide, Long Length , Ball Nose, Single End, TiN coated | 2,4 |  | 6 |
| 021 | Standard Carbide, Long Length , Ball Nose, Single End, TiALN coated | 2,4 |  | 6 |
| 022 | Standard Carbide, Extra Long Length , Ball Nose, Single End Uncoated | 2,4 |  | 6 |
| 023 | Standard Carbide, Extra Long Length , Ball Nose, Single End, TiN coated | 2,4 |  | 6 |
| 024 | Standard Carbide, Extra Long Length , Ball Nose, Single End, TiALN coated | 2,4 |  | 6 |
| 025 | Standard Carbide, Stub Length , Square, Double End Uncoated | 2,4 |  | 7 |
| 026 | Standard Carbide, Stub Length , Square, Double End, TiN coated | 2,4 |  | 7 |
| 027 | Standard Carbide, Stub Length , Square, Double End, TiALN coated | 2,4 |  | 7 |
| 028 | Standard Carbide, Stub Length , Ball Nose, Double End Uncoated | 2,4 |  | 7 |
| 029 | Standard Carbide, Stub Length , Ball Nose, Double End, TiN coated | 2,4 |  | 7 |
| 030 | Standard Carbide, Stub Length , Ball Nose, Double End, TiALN coated | 2,4 |  | 7 |
| 031 | Standard Carbide, Regular Length , Square, Double End Uncoated | 2,4 |  | 8 |
| 032 | Standard Carbide, Regular Length , Square, Double End, TiALN coated | 2,4 |  | 8 |
| 033 | Standard Carbide, Regular Length , Ball Nose, Double End Uncoated | 2,4 |  | 8 |
| 034 | Standard Carbide, Regular Length , Ball Nose, Double End, TiALN coated | 2,4 |  | 8 |
| 041 | METRIC - Standard Carbide, Regular Length , Square, Single End Uncoated | 2,3,4 |  | 9 |
| 042 | METRIC - Standard Carbide, Regular Length , Square, Single End, TiALN coated | 2,3,4 |  | 9 |
| 043 | METRIC - Standard Carbide, Long Length , Square, Single End Uncoated | 2,4 |  | 9 |
| 044 | METRIC - Standard Carbide, Long Length , Square, Single End, TiALN coated | 2,4 |  | 9 |
| 045 | METRIC - Standard Carbide, Extra Long Length , Square, Single End Uncoated | 2,4 |  | 9 |
| 046 | METRIC - Standard Carbide, Extra Long Length , Square, Single End, TiALN coated | 2,4 |  | 9 |
| 047 | METRIC - Standard Carbide, Regular Length , Ball Nose, Single End Uncoated | 2,4 |  | 10 |
| 048 | METRIC - Standard Carbide, Regular Length , Ball Nose, Single End, TiALN coated | 2,4 |  | 10 |

GOOD

END MILL SERIES LISTING

| Series | Description | Flutes | | Pages |
|--------|---|--------|---|-------|
| 090 | High Performance Variable Pitch, Regular Length , Round Shk- TiALN | 4 |  | 11 |
| 091 | High Performance Variable Pitch, Regular Length , Weldon Shk- TiALN | 4 |  | 11 |
| 092 | High Performance Variable Pitch, Long Length , Round Shk- TiALN | 4 |  | 11 |
| 093 | High Performance Variable Pitch, Long Length , Weldon Shk- TiALN | 4 |  | 11 |
| 094 | High Performance Variable Pitch, Regular Length , Ball Nose, Round Shk- TiALN | 4 |  | 12 |
| 095 | High Performance Variable Pitch, Regular Length , Ball Nose, Weldon Shk- TiALN | 4 |  | 12 |
| 096 | High Performance Variable Pitch, Long Length , Ball Nose, Round Shk- TiALN | 4 |  | 12 |
| 097 | High Performance Variable Pitch, Long Length , Ball Nose, Weldon Shk- TiALN | 4 |  | 12 |
| 080 | ULTRA High Performance Variable Pitch, Regular Length , Round Shk- TiALN | 4,5 |  | 13 |
| 081 | ULTRA High Performance Variable Pitch, Regular Length , Weldon Shk- TiALN | 4 |  | 13 |
| 082 | ULTRA High Performance Variable Pitch, Long Length , Round Shk- TiALN | 4 |  | 13 |
| 083 | ULTRA High Performance Variable Pitch, Long Length , Weldon Shk- TiALN | 4 |  | 13 |
| 088 | ULTRA High Performance Variable Pitch, Extra Long Length , Round Shk- TiALN | 4 |  | 14 |
| 084 | ULTRA High Performance Variable Pitch, Regular Length , Ball Nose, Round Shk- TiALN | 4 |  | 15 |
| 085 | ULTRA High Performance Variable Pitch, Regular Length , Ball Nose, Weldon Shk- TiALN | 4 |  | 15 |
| 086 | ULTRA High Performance Variable Pitch, Long Length , Ball Nose, Round Shk- TiALN | 4 |  | 15 |
| 087 | ULTRA High Performance Variable Pitch, Long Length , Ball Nose, Weldon Shk- TiALN | 4 |  | 15 |
| 089 | ULTRA High Performance Variable Pitch, Extra Long Length , Ball Nose, Round Shk- TiALN | 4 |  | 15 |
| 170 | ULTRA High Performance Var. Pitch & Helix, Regular Length , Uncoated - ALUMINUM | 2,3 |  | 16 |
| 070 | ULTRA High Performance Var. Pitch & Helix, Regular Length , ZrN Coated - ALUMINUM | 2,3 |  | 16 |
| 270 | ULTRA High Performance Var. Pitch & Helix, Regular Length , DLC Coated - ALUMINUM | 2,3 |  | 16 |
| 172 | ULTRA High Performance Var. Pitch & Helix, Long Length , Uncoated - ALUMINUM | 2,3 |  | 16 |
| 072 | ULTRA High Performance Var. Pitch & Helix, Long Length , ZrN Coated - ALUMINUM | 2,3 |  | 16 |
| 272 | ULTRA High Performance Var. Pitch & Helix, Long Length , DLC Coated - ALUMINUM | 2,3 |  | 16 |
| 178 | ULTRA High Performance Var. Pitch & Helix, Extra Long Length , Uncoated - ALUMINUM | 2,3 |  | 16 |
| 078 | ULTRA High Performance Var. Pitch & Helix, Extra Long Length , ZrN Coated - ALUMINUM | 2,3 |  | 16 |
| 278 | ULTRA High Performance Var. Pitch & Helix, Extra Long Length , DLC Coated - ALUMINUM | 2,3 |  | 16 |
| 174 | ULTRA High Performance Var. Pitch & Helix, Regular Length , Ball Nose Uncoated - ALUMINUM | 2,3 |  | 17 |
| 074 | ULTRA High Performance Var. Pitch & Helix, Regular Length , Ball Nose ZrN Coated - ALUMINUM | 2,3 |  | 17 |
| 274 | ULTRA High Performance Var. Pitch & Helix, Regular Length , Ball Nose DLC Coated - ALUMINUM | 2,3 |  | 17 |
| 176 | ULTRA High Performance Var. Pitch & Helix, Long Length , Ball Nose Uncoated - ALUMINUM | 2,3 |  | 17 |
| 076 | ULTRA High Performance Var. Pitch & Helix, Long Length , Ball Nose ZrN Coated - ALUMINUM | 2,3 |  | 17 |
| 276 | ULTRA High Performance Var. Pitch & Helix, Long Length , Ball Nose DLC Coated - ALUMINUM | 2,3 |  | 17 |
| 179 | ULTRA High Performance Var. Pitch & Helix, Extra Long Length , Ball Nose Uncoated - ALUMINUM | 2,3 |  | 17 |
| 079 | ULTRA High Performance Var. Pitch & Helix, Extra Long Length , Ball Nose ZrN Coated - ALUMINUM | 2,3 |  | 17 |
| 279 | ULTRA High Performance Var. Pitch & Helix, Extra Long Length , Ball Nose DLC Coated - ALUMINUM | 2,3 |  | 17 |

BETTER

BEST

BEST