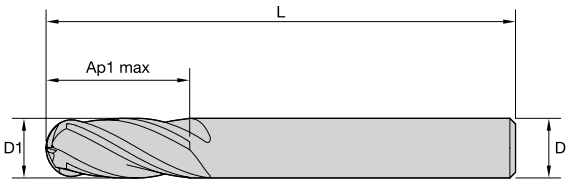
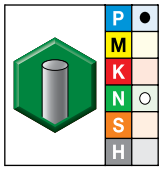
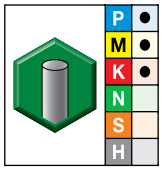
## GP End Mills • Series D010 • Ball Nose • 4 Flute • Metric DIN 6527





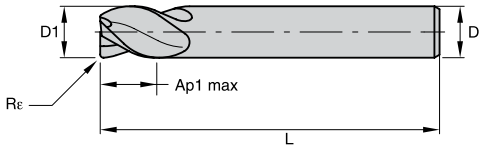



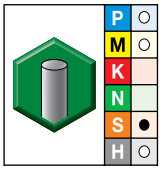

● first choice
○ alternate choice

| UNCOATED | | TiAlN | | | | | | |
|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | D1 | D | length of cut Ap1 max | length L | Z U |
| 5825604 | D0100300T008 | 5825527 | D0100300T008 | 3,0 | 6 | 8,00 | 57 | 4 |
| 5825605 | D0100400T011 | 5825528 | D0100400T011 | 4,0 | 6 | 11,00 | 57 | 4 |
| – | | 5825529 | D0100500T013 | 5,0 | 6 | 13,00 | 57 | 4 |
| 5825607 | D0100600T013 | 5825530 | D0100600T013 | 6,0 | 6 | 13,00 | 57 | 4 |
| 5825608 | D0100800T019 | 5825531 | D0100800T019 | 8,0 | 8 | 19,00 | 63 | 4 |
| 5825609 | D0101000T022 | 5825532 | D0101000T022 | 10,0 | 10 | 22,00 | 72 | 4 |
| 5825610 | D0101200T026 | 5825533 | D0101200T026 | 12,0 | 12 | 26,00 | 83 | 4 |
| 5825589 | D0101200W026 | 5825540 | D0101200W026 | 12,0 | 12 | 26,00 | 83 | 4 |
| 5825611 | D0101400T026 | 5825534 | D0101400T026 | 14,0 | 14 | 26,00 | 83 | 4 |
| 5825590 | D0101400W026 | 5825541 | D0101400W026 | 14,0 | 14 | 26,00 | 83 | 4 |
| 5825612 | D0101600T032 | 5825536 | D0101600T032 | 16,0 | 16 | 32,00 | 92 | 4 |
| – | | 5825542 | D0101600W032 | 16,0 | 16 | 32,00 | 92 | 4 |
| 5825613 | D0101800T032 | 5825538 | D0101800T032 | 18,0 | 18 | 32,00 | 92 | 4 |
| – | | 5825543 | D0101800W032 | 18,0 | 18 | 32,00 | 92 | 4 |
| 5825614 | D0102000T038 | 5825539 | D0102000T038 | 20,0 | 20 | 38,00 | 104 | 4 |
| 5825593 | D0102000W038 | 5825544 | D0102000W038 | 20,0 | 20 | 38,00 | 104 | 4 |

## VariMill I • Series 4778 • Square End • 4 Flute • Metric





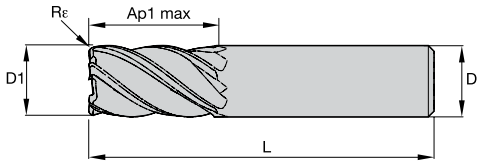

WS15PE

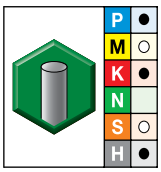
● first choice
○ alternate choice

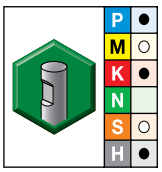
| order # | catalog # | D1 | D | length of cut Ap1 max | length L | Rε | ZU |
|---|---|---|---|---|---|---|---|
| 2545563 | 477804002MT | 4,0 | 6 | 12,00 | 55 | 0,20 | 4 |
| 2545564 | 477805002MT | 5,0 | 6 | 13,00 | 57 | 0,20 | 4 |
| 2545565 | 477806002MT | 6,0 | 6 | 13,00 | 57 | 0,20 | 4 |
| 2545570 | 477807003MT | 7,0 | 8 | 16,00 | 63 | 0,20 | 4 |
| 2545603 | 477808003MT | 8,0 | 8 | 16,00 | 63 | 0,20 | 4 |
| 2601245 | 477810004MT | 10,0 | 10 | 22,00 | 72 | 0,30 | 4 |
| 2601246 | 477812005MT | 12,0 | 12 | 26,00 | 83 | 0,30 | 4 |
| 2601248 | 477814014MT | 14,0 | 14 | 26,00 | 83 | 0,30 | 4 |
| 2601249 | 477816006MT | 16,0 | 16 | 32,00 | 92 | 0,30 | 4 |
| 2601251 | 477820007MT | 20,0 | 20 | 38,00 | 104 | 0,30 | 4 |

## VariMill II • Series 577C • Square End • Center Cutting • 5 Flute • Metric





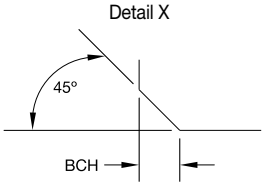



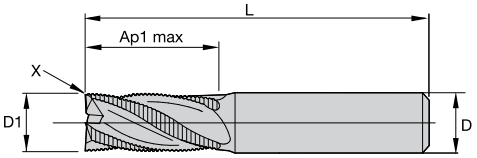

● first choice
○ alternate choice

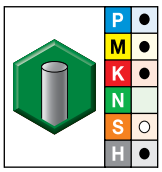
| WP15PE | | WP15PE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | D1 | D | length of cut Ap1 max | length L | Rε | ZU |
| 5578866 | 577C04002T | 5578867 | 577C04002W | 4,0 | 6 | 11,00 | 55 | 0,25 | 5 |
| 5578868 | 577C04012T | | – | 4,0 | 6 | 11,00 | 55 | – | 5 |
| 5578990 | 577C05002T | 5578991 | 577C05002W | 5,0 | 6 | 13,00 | 57 | 0,25 | 5 |
| 6519448 | 577C050R2TE | | – | 5,0 | 6 | 13,00 | 57 | 0,50 | 5 |
| 5578992 | 577C06002T | 5578993 | 577C06002W | 6,0 | 6 | 13,00 | 57 | 0,40 | 5 |
| 5578994 | 577C06012T | | – | 6,0 | 6 | 13,00 | 57 | – | 5 |
| 6519449 | 577C060R2TE | | – | 6,0 | 6 | 13,00 | 57 | 0,50 | 5 |
| 6519450 | 577C060R2TJ | | – | 6,0 | 6 | 13,00 | 57 | 1,00 | 5 |
| 5578995 | 577C07003T | | – | 7,0 | 8 | 16,00 | 63 | 0,40 | 5 |
| 5578997 | 577C08003T | 5578998 | 577C08003W | 8,0 | 8 | 19,00 | 63 | 0,50 | 5 |
| 5578999 | 577C08013T | | – | 8,0 | 8 | 19,00 | 63 | – | 5 |
| 6519481 | 577C080R3TJ | | – | 8,0 | 8 | 19,00 | 63 | 1,00 | 5 |
| 6519482 | 577C080R3TK | | – | 8,0 | 8 | 19,00 | 63 | 1,50 | 5 |
| 5579021 | 577C09004T | | – | 9,0 | 10 | 19,00 | 72 | 0,50 | 5 |
| 5579023 | 577C10004T | 5579024 | 577C10004W | 10,0 | 10 | 22,00 | 72 | 0,50 | 5 |
| 5579025 | 577C10014T | | – | 10,0 | 10 | 22,00 | 72 | – | 5 |
| 6519483 | 577C100R4TJ | | – | 10,0 | 10 | 22,00 | 72 | 1,00 | 5 |
| 6519484 | 577C100R4TK | | – | 10,0 | 10 | 22,00 | 72 | 1,50 | 5 |
| 6519485 | 577C100R4TM | | – | 10,0 | 10 | 22,00 | 72 | 2,00 | 5 |
| 5579026 | 577C12005T | 5579027 | 577C12005W | 12,0 | 12 | 26,00 | 83 | 0,75 | 5 |
| 5579028 | 577C12015T | | – | 12,0 | 12 | 26,00 | 83 | – | 5 |
| 6519486 | 577C120R5TE | | – | 12,0 | 12 | 26,00 | 83 | 0,50 | 5 |
| 6519487 | 577C120R5TJ | | – | 12,0 | 12 | 26,00 | 83 | 1,00 | 5 |
| 6519488 | 577C120R5TK | | – | 12,0 | 12 | 26,00 | 83 | 1,50 | 5 |
| 6519489 | 577C120R5TM | | – | 12,0 | 12 | 26,00 | 83 | 2,00 | 5 |
| 6519490 | 577C120R5TN | | – | 12,0 | 12 | 26,00 | 83 | 2,50 | 5 |
| 6519491 | 577C120R5TP | | – | 12,0 | 12 | 26,00 | 83 | 3,00 | 5 |
| 5579029 | 577C14004T | 5579040 | 577C14004W | 14,0 | 14 | 26,00 | 83 | 0,75 | 5 |
| 5579041 | 577C14014T | | – | 14,0 | 14 | 26,00 | 83 | – | 5 |
| 5579042 | 577C16006T | 5579043 | 577C16006W | 16,0 | 16 | 32,00 | 92 | 0,75 | 5 |
| 5579044 | 577C16016T | | – | 16,0 | 16 | 32,00 | 92 | – | 5 |
| 6519492 | 577C160R6TE | | – | 16,0 | 16 | 32,00 | 92 | 0,50 | 5 |
| 6519493 | 577C160R6TJ | | – | 16,0 | 16 | 32,00 | 92 | 1,00 | 5 |
| 6519497 | 577C160R6TM | | – | 16,0 | 16 | 32,00 | 92 | 2,00 | 5 |
| 6519499 | 577C160R6TP | | – | 16,0 | 16 | 32,00 | 92 | 3,00 | 5 |
| 6519500 | 577C160R6TQ | | – | 16,0 | 16 | 32,00 | 92 | 4,00 | 5 |
| 5579045 | 577C18008T | | – | 18,0 | 18 | 32,00 | 92 | 0,75 | 5 |
| 5579047 | 577C20007T | 5579048 | 577C20007W | 20,0 | 20 | 38,00 | 104 | 0,75 | 5 |
| 5579049 | 577C20017T | | – | 20,0 | 20 | 38,00 | 104 | – | 5 |
| 6519501 | 577C200R7TJ | | – | 20,0 | 20 | 38,00 | 104 | 1,00 | 5 |
| 6519502 | 577C200R7TM | | – | 20,0 | 20 | 38,00 | 104 | 2,00 | 5 |
| 6519503 | 577C200R7TP | | – | 20,0 | 20 | 38,00 | 104 | 3,00 | 5 |
| 6519504 | 577C200R7TQ | | – | 20,0 | 20 | 38,00 | 104 | 4,00 | 5 |
| 6519505 | 577C200R7TR | | – | 20,0 | 20 | 38,00 | 104 | 5,00 | 5 |
| 5579060 | 577C25008T | 5579061 | 577C25008W | 25,0 | 25 | 45,00 | 121 | 0,75 | 5 |
| 6519506 | 577C250R8TM | | – | 25,0 | 25 | 45,00 | 121 | 2,00 | 5 |
| 6519507 | 577C250R8TP | | – | 25,0 | 25 | 45,00 | 121 | 3,00 | 5 |
| 6519508 | 577C250R8TQ | | – | 25,0 | 25 | 45,00 | 121 | 4,00 | 5 |
| 6519509 | 577C250R8TR | | – | 25,0 | 25 | 45,00 | 121 | 5,00 | 5 |

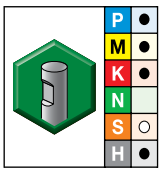
## Roughers • Series 4906 • Chamfer • Metric





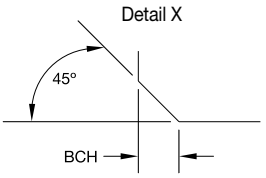



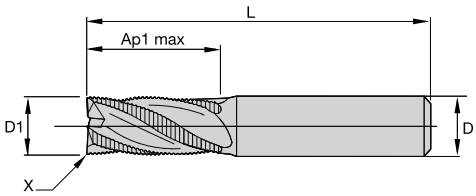

● first choice
○ alternate choice

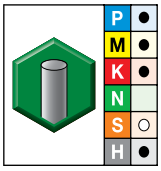
| WP15PE | | WP15PE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | D1 | D | length of cut Ap1 max | length L | BCH | ZU |
| 1657001 | 490604002RT | 1657002 | 490604002RW | 4,0 | 6 | 11,00 | 55 | 0,30 | 3 |
| 1657009 | 490605002RT | 1657010 | 490605002RW | 5,0 | 6 | 13,00 | 57 | 0,30 | 3 |
| 1657018 | 490606002RT | 1657019 | 490606002RW | 6,0 | 6 | 13,00 | 57 | 0,30 | 3 |
| 3133084 | 490607003RT | 1657025 | 490607003RW | 7,0 | 8 | 16,00 | 63 | 0,30 | 3 |
| 1657033 | 490608003RT | 1657034 | 490608003RW | 8,0 | 8 | 16,00 | 63 | 0,30 | 3 |
| 1657050 | 490610004RT | 1657051 | 490610004RW | 10,0 | 10 | 22,00 | 72 | 0,50 | 4 |
| 3133086 | 490611005RT | – | | 11,0 | 12 | 26,00 | 83 | 0,50 | 4 |
| 1657063 | 490612005RT | 1657064 | 490612005RW | 12,0 | 12 | 26,00 | 83 | 0,50 | 4 |
| – | | 1657085 | 490614014RW | 14,0 | 14 | 26,00 | 83 | 0,50 | 4 |
| 1657096 | 490616006RT | 1657097 | 490616006RW | 16,0 | 16 | 32,00 | 92 | 0,50 | 4 |
| 1657112 | 490620007RT | 1657113 | 490620007RW | 20,0 | 20 | 38,00 | 104 | 0,50 | 4 |
| – | | 1657121 | 490625008RW | 25,0 | 25 | 45,00 | 121 | 0,50 | 5 |

## Roughers • Series 4976 • Chamfer • Metric





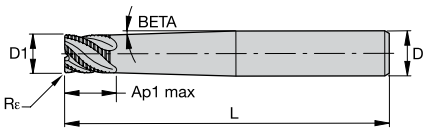



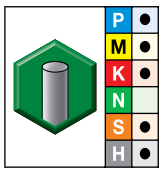

● first choice
○ alternate choice

| WP15PE | | | | | | |
|---|---|---|---|---|---|---|
| order # | catalog # | D1 | D | length of cut Ap1 max | length L | BCH | ZU |
| 5560708 | 497604002T | 4,0 | 6 | 8,00 | 57 | 0,30 | 3 |
| 5560709 | 497605002T | 5,0 | 6 | 13,00 | 57 | 0,30 | 3 |
| 5560710 | 497606002T | 6,0 | 6 | 13,00 | 57 | 0,30 | 3 |
| 5560711 | 497608003T | 8,0 | 8 | 16,00 | 63 | 0,30 | 3 |
| 5560712 | 497610004T | 10,0 | 10 | 22,00 | 72 | 0,50 | 4 |
| 5560713 | 497612005T | 12,0 | 12 | 26,00 | 83 | 0,50 | 4 |
| 5560714 | 497614014T | 14,0 | 14 | 26,00 | 83 | 0,50 | 4 |
| 5560715 | 497616006T | 16,0 | 16 | 32,00 | 92 | 0,50 | 4 |
| 5560717 | 497620007T | 20,0 | 20 | 38,00 | 104 | 0,50 | 4 |

## Vision Plus • Series 7670 • Radius • Cylindrical Shank • Metric





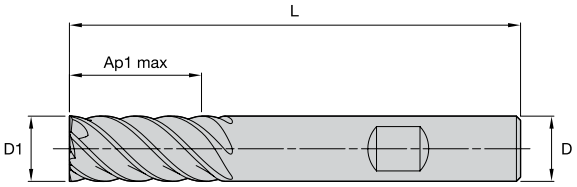

● first choice
○ alternate choice

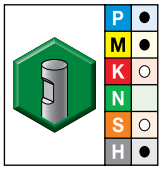
**TiAlN-LT1**

| order # | catalog # | D1 | D | D3 | length of cut Ap1 max | length L | Rε | ZU |
|---|---|---|---|---|---|---|---|---|
| 1724621 | 767016006LT | 16,0 | 16 | 15,00 | 16,00 | 125 | 1,00 | 6 |

## Vision Plus • Series D518 • Sharp Edge • Weldon® • Metric





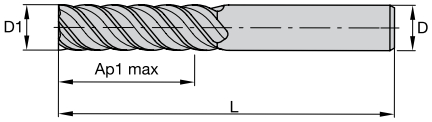

● first choice
○ alternate choice

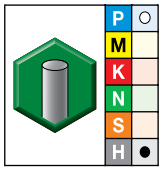
**WP15PE**

| order # | catalog # | D1 | D | length of cut Ap1 max | length L | ZU |
|---|---|---|---|---|---|---|
| 5559116 | D51804002W | 4,0 | 6 | 11,00 | 57 | 4 |
| 5559117 | D51805002W | 5,0 | 6 | 13,00 | 57 | 4 |
| 5559118 | D51806002W | 6,0 | 6 | 13,00 | 57 | 6 |
| 5559120 | D51808003W | 8,0 | 8 | 19,00 | 63 | 6 |
| 5559122 | D51810004W | 10,0 | 10 | 22,00 | 72 | 6 |
| 5559123 | D51812005W | 12,0 | 12 | 26,00 | 83 | 6 |
| 5559124 | D51814014W | 14,0 | 14 | 26,00 | 83 | 6 |
| 5559125 | D51816006W | 16,0 | 16 | 32,00 | 92 | 8 |
| 5559127 | D51820007W | 20,0 | 20 | 38,00 | 104 | 8 |
| 5559128 | D51825008W | 25,0 | 25 | 45,00 | 121 | 8 |

## Vision Plus • Series D618 • Sharp Edge • Cylindrical Shank • Metric





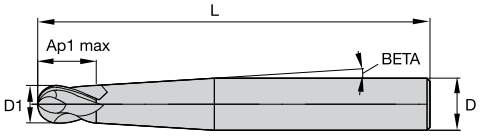

WU10PE

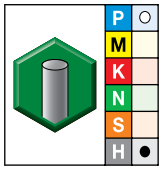
● first choice
○ alternate choice

| order # | catalog # | D1 | D | length of cut Ap1 max | length L | ZU |
|---|---|---|---|---|---|---|
| 2256338 | D61803002RJ | 3,0 | 4 | 8,00 | 50 | 4 |
| 2257304 | D61804002RJ | 4,0 | 6 | 12,00 | 57 | 4 |
| 2256340 | D61805002RJ | 5,0 | 6 | 13,00 | 57 | 4 |
| 2256341 | D61806002RJ | 6,0 | 6 | 15,00 | 60 | 6 |
| 2256353 | D61808003RJ | 8,0 | 8 | 20,00 | 75 | 6 |
| 2256354 | D61810004RJ | 10,0 | 10 | 25,00 | 80 | 6 |
| 2256355 | D61812005RJ | 12,0 | 12 | 30,00 | 100 | 6 |
| 2256356 | D61816006RJ | 16,0 | 16 | 40,00 | 110 | 6 |
| 2256357 | D61820007RJ | 20,0 | 20 | 45,00 | 120 | 6 |

## Vision Plus • Series 7050 7060 • Ball Nose • Cylindrical Shank • Metric






WU10PE

● first choice
○ alternate choice

| order # | catalog # | D1 | D | length of cut Ap1 max | length L | BETA | ZU |
|---|---|---|---|---|---|---|---|
| 1724321 | 705002001RT | 2,0 | 4 | 2,00 | 63 | 2.5 | 4 |
| 1724323 | 705003002RT | 3,0 | 6 | 3,00 | 75 | 2.5 | 4 |
| 1724324 | 705004002RT | 4,0 | 6 | 4,00 | 75 | 2.5 | 4 |
| 2495916 | 706004002RT | 4,0 | 6 | 4,00 | 75 | 1.5 | 4 |
| 1724325 | 705005002RT | 5,0 | 6 | 5,00 | 75 | 2.5 | 4 |
| 1724326 | 705006004RT | 6,0 | 10 | 6,00 | 100 | 2.5 | 4 |
| 2495918 | 706006004RT | 6,0 | 10 | 6,00 | 100 | 1.5 | 4 |
| 1724327 | 705008004RT | 8,0 | 10 | 8,00 | 100 | 2.5 | 4 |
| 1724328 | 705010005RT | 10,0 | 12 | 10,00 | 125 | 2.5 | 4 |
| 1724330 | 705016006RT | 16,0 | 16 | 16,00 | 125 | – | 4 |