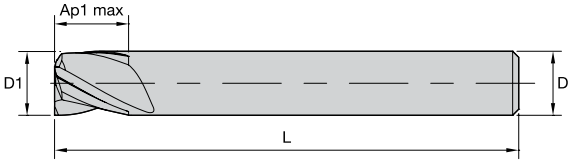
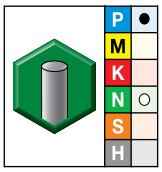
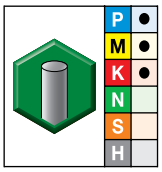
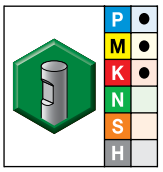
## GP End Mills • Series I3S • Sharp Edge • 3 Flute • Inch





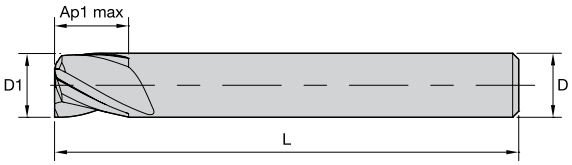



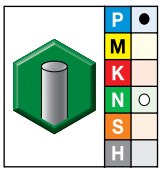

● first choice
○ alternate choice

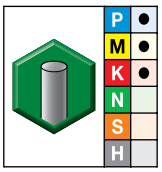
| UNCOATED | | TiAlN | | TiAlN | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | order # | catalog # | D1 | D | length of cut Ap1 max | length L | Z U |
| 6144206 | I3S0031T007R | 6144077 | I3S0031T007R | | – | 1/32 | 1/8 | 5/64 | 1 1/2 | 3 |
| 6144208 | I3S0062T019R | 6144079 | I3S0062T019R | | – | 1/16 | 1/8 | 3/16 | 1 1/2 | 3 |
| – | | 6144080 | I3S0078T011R | | – | 5/64 | 1/8 | 7/64 | 1 1/2 | 3 |
| 6144210 | I3S0094T037R | 6144141 | I3S0094T037R | | – | 3/32 | 1/8 | 3/8 | 1 1/2 | 3 |
| – | | 6144142 | I3S0109T037R | | – | 7/64 | 1/8 | 3/8 | 1 1/2 | 3 |
| 6144232 | I3S0125T025R | | – | | – | 1/8 | 1/8 | 1/4 | 1 1/2 | 3 |
| 6144233 | I3S0125T050L | 6144144 | I3S0125T050L | | – | 1/8 | 1/8 | 1/2 | 2 1/2 | 3 |
| 6144234 | I3S0125T062X | 6144145 | I3S0125T062X | | – | 1/8 | 1/8 | 5/8 | 3 | 3 |
| 6144236 | I3S0156T056R | 6144147 | I3S0156T056R | | – | 5/32 | 3/16 | 9/16 | 2 | 3 |
| 6144237 | I3S0188T031S | 6144148 | I3S0188T031S | | – | 3/16 | 3/16 | 5/16 | 2 | 3 |
| 6144238 | I3S0188T056R | 6144149 | I3S0188T056R | | – | 3/16 | 3/16 | 9/16 | 2 | 3 |
| 6144239 | I3S0188T062L | 6144150 | I3S0188T062L | | – | 3/16 | 3/16 | 5/8 | 3 | 3 |
| – | | 6144151 | I3S0188T100X | | – | 3/16 | 3/16 | 1 | 4 | 3 |
| – | | 6144153 | I3S0219T062R | | – | 7/32 | 1/4 | 5/8 | 2 1/2 | 3 |
| – | | 6144154 | I3S0219T075L | | – | 7/32 | 1/4 | 3/4 | 2 1/2 | 3 |
| 6144244 | I3S0250T050S | 6144155 | I3S0250T050S | | – | 1/4 | 1/4 | 1/2 | 2 | 3 |
| 6144245 | I3S0250T075R | 6144156 | I3S0250T075R | | – | 1/4 | 1/4 | 3/4 | 2 1/2 | 3 |
| 6144246 | I3S0250T100L | 6144157 | I3S0250T100L | | – | 1/4 | 1/4 | 1 | 3 | 3 |
| – | | 6144158 | I3S0250T150X | | – | 1/4 | 1/4 | 1 1/2 | 4 | 3 |
| – | | 6144161 | I3S0281T081L | | – | 9/32 | 5/16 | 13/16 | 2 1/2 | 3 |
| – | | 6144159 | I3S0281T075R | | – | 9/32 | 5/16 | 3/4 | 2 1/2 | 3 |
| 6144262 | I3S0312T050R | 6144163 | I3S0312T050R | | – | 5/16 | 5/16 | 1/2 | 2 | 3 |
| – | | 6144165 | I3S0312T081L | | – | 5/16 | 5/16 | 13/16 | 2 1/2 | 3 |
| 6144272 | I3S0375T050S | 6144183 | I3S0375T050S | | – | 3/8 | 3/8 | 1/2 | 2 | 3 |
| 6144275 | I3S0375T088R | 6144185 | I3S0375T088R | | – | 3/8 | 3/8 | 7/8 | 2 1/2 | 3 |
| 6144277 | I3S0375T100L | 6144187 | I3S0375T100L | | – | 3/8 | 3/8 | 1 | 2 1/2 | 3 |
| 6144279 | I3S0375T112X | 6144189 | I3S0375T112X | | – | 3/8 | 3/8 | 1 1/8 | 3 | 3 |
| – | | 6144192 | I3S0437T062R | | – | 7/16 | 7/16 | 5/8 | 2 1/2 | 3 |
| – | | 6144193 | I3S0437T088L | | – | 7/16 | 7/16 | 7/8 | 2 1/2 | 3 |
| – | | 6144194 | I3S0437T100X | | – | 7/16 | 7/16 | 1 | 2 1/2 | 3 |
| 6144284 | I3S0500T100R | 6144195 | I3S0500T100R | | – | 1/2 | 1/2 | 1 | 3 | 3 |
| – | | 6144196 | I3S0500T200L | 6144162 | I3S0500W200L | 1/2 | 1/2 | 2 | 4 | 3 |
| – | | 6144198 | I3S0563T112R | 6144166 | I3S0563W112R | 9/16 | 5/8 | 1 1/8 | 3 1/2 | 3 |
| – | | 6144199 | I3S0625T075R | 6144168 | I3S0625W075R | 5/8 | 5/8 | 3/4 | 3 | 3 |
| – | | 6144200 | I3S0625T125L | 6144170 | I3S0625W125L | 5/8 | 5/8 | 1 1/4 | 3 1/2 | 3 |
| – | | 6144201 | I3S0750T100R | | – | 3/4 | 3/4 | 1 | 3 | 3 |
| – | | 6144202 | I3S0750T150L | 6144184 | I3S0750W150L | 3/4 | 3/4 | 1 1/2 | 4 | 3 |
| – | | 6144203 | I3S0750T225X | 6144186 | I3S0750W225X | 3/4 | 3/4 | 2 1/4 | 5 | 3 |
| – | | 6144204 | I3S1000T150R | | – | 1 | 1 | 1 1/2 | 4 | 3 |
| – | | 6144205 | I3S1000T225X | 6144190 | I3S1000W225X | 1 | 1 | 2 1/4 | 5 | 3 |

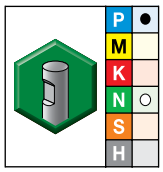
## GP End Mills • Series 4003 4013 • Sharp Edge • 3 Flute • Metric

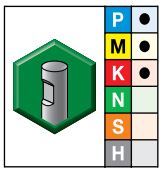




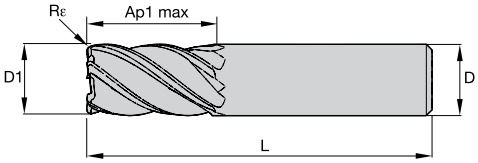



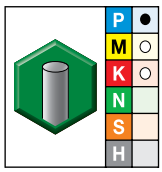

● first choice
○ alternate choice

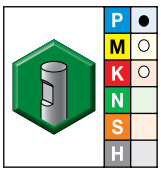
| UNCOATED | | TiAlN | | UNCOATED | | TiAlN | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | order # | catalog # | order # | catalog # | D1 | D | length of cut Ap1 max | length L | Z U |
| 6144570 | 40030100T004S | 6144056 | 40030100T004S | | – | | – | 1,0 | 3 | 4,00 | 38 | 3 |
| 6144651 | 40030150T004S | 6144057 | 40030150T004S | | – | | – | 1,5 | 3 | 4,00 | 38 | 3 |
| 6144652 | 40030200T006S | 6144058 | 40030200T006S | | – | | – | 2,0 | 3 | 6,30 | 38 | 3 |
| 6144653 | 40030250T006S | 6144059 | 40030250T006S | | – | | – | 2,5 | 3 | 6,30 | 38 | 3 |
| 6144654 | 40030300T009S | 6144060 | 40030300T009S | | – | | – | 3,0 | 3 | 9,50 | 38 | 3 |
| 6145303 | 40130300T019S | 6145199 | 40130300T019S | 6145319 | 40130300W019S | 6145243 | 40130300W019S | 3,0 | 6 | 19,00 | 63 | 3 |
| 6144655 | 40030400T012S | 6144551 | 40030400T012S | | – | | – | 4,0 | 4 | 12,00 | 50 | 3 |
| 6145305 | 40130400T019S | 6145200 | 40130400T019S | | – | | – | 4,0 | 4 | 19,00 | 63 | 3 |
| 6144656 | 40030500T014S | 6144552 | 40030500T014S | | – | | – | 5,0 | 6 | 14,00 | 50 | 3 |
| | – | 6145231 | 40130500T020S | | – | 6145247 | 40130500W020S | 5,0 | 6 | 20,00 | 63 | 3 |
| 6144657 | 40030600T016S | 6144553 | 40030600T016S | | – | 6144565 | 40030600W016S | 6,0 | 6 | 16,00 | 50 | 3 |
| 6145309 | 40130600T028S | 6145232 | 40130600T028S | | – | | – | 6,0 | 6 | 28,00 | 75 | 3 |
| 6144658 | 40030800T019S | 6144554 | 40030800T019S | | – | 6144566 | 40030800W019S | 8,0 | 8 | 19,00 | 63 | 3 |
| 6145311 | 40130800T028S | 6145233 | 40130800T028S | | – | | – | 8,0 | 8 | 28,00 | 75 | 3 |
| 6144659 | 40031000T022S | 6144555 | 40031000T022S | | – | 6144567 | 40031000W022S | 10,0 | 10 | 22,00 | 76 | 3 |
| 6145313 | 40131000T032S | 6145234 | 40131000T032S | | – | | – | 10,0 | 10 | 32,00 | 89 | 3 |
| 6144660 | 40031200T025S | 6144556 | 40031200T025S | | – | 6144568 | 40031200W025S | 12,0 | 12 | 25,00 | 75 | 3 |
| 6145315 | 40131200T045S | 6145235 | 40131200T045S | | – | 6145255 | 40131200W045S | 12,0 | 12 | 45,00 | 100 | 3 |
| 6144661 | 40031600T032S | 6144557 | 40031600T032S | | – | 6144569 | 40031600W032S | 16,0 | 16 | 32,00 | 89 | 3 |
| 6145317 | 40131600T056S | 6145238 | 40131600T056S | | – | 6145257 | 40131600W056S | 16,0 | 16 | 56,00 | 110 | 3 |
| 6145318 | 40132000T064S | 6145241 | 40132000T064S | | – | 6145259 | 40132000W064S | 20,0 | 20 | 64,00 | 125 | 3 |

## VariMill II • Series 5V0C • Square End • 5 Flute • Inch





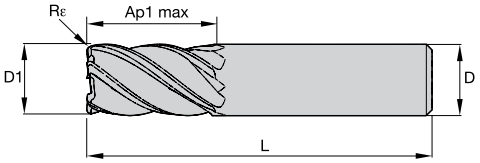

● first choice
○ alternate choice

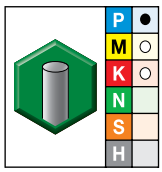
| WP15PE | | WP15PE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | D1 | D | length of cut Ap1 max | length L | Rε | ZU |
| 5577051 | 5V0C05000AT | – | | 3/16 | 3/16 | 5/8 | 2 1/4 | .015 | 5 |
| 5577052 | 5V0C05000BT | – | | 3/16 | 3/16 | 5/8 | 2 1/4 | .030 | 5 |
| 5577053 | 5V0C05000ST | – | | 3/16 | 3/16 | 5/8 | 2 1/4 | – | 5 |
| 6513583 | 5V1C05020AT | – | | 3/16 | 3/16 | 3/4 | 2 1/2 | .015 | 5 |
| 6513582 | 5V1C05020ST | – | | 3/16 | 3/16 | 3/4 | 2 1/2 | – | 5 |
| 6513585 | 5V4C07002AT | – | | 1/4 | 1/4 | 3/8 | 2 | .015 | 5 |
| 6513586 | 5V4C07002BT | – | | 1/4 | 1/4 | 3/8 | 2 | .030 | 5 |
| 6513584 | 5V4C07002ST | – | | 1/4 | 1/4 | 3/8 | 2 | – | 5 |
| 5577054 | 5V0C07002AT | – | | 1/4 | 1/4 | 3/4 | 2 1/2 | .015 | 5 |
| 5577055 | 5V0C07002BT | – | | 1/4 | 1/4 | 3/4 | 2 1/2 | .030 | 5 |
| 5577056 | 5V0C07002CT | – | | 1/4 | 1/4 | 3/4 | 2 1/2 | .060 | 5 |
| 5577057 | 5V0C07002ST | – | | 1/4 | 1/4 | 3/4 | 2 1/2 | – | 5 |
| 6513588 | 5V1C07002AT | – | | 1/4 | 1/4 | 1 1/8 | 3 | .015 | 5 |
| 6513589 | 5V1C07002BT | – | | 1/4 | 1/4 | 1 1/8 | 3 | .030 | 5 |
| 6513587 | 5V1C07002ST | – | | 1/4 | 1/4 | 1 1/8 | 3 | – | 5 |
| 5577058 | 5V0C08003AT | – | | 5/16 | 5/16 | 3/4 | 2 1/2 | .015 | 5 |
| 5577059 | 5V0C08003BT | – | | 5/16 | 5/16 | 3/4 | 2 1/2 | .030 | 5 |
| 5577100 | 5V0C08003CT | – | | 5/16 | 5/16 | 3/4 | 2 1/2 | .060 | 5 |
| 5577101 | 5V0C08003ST | – | | 5/16 | 5/16 | 3/4 | 2 1/2 | – | 5 |
| 6513591 | 5V4C10004AT | – | | 3/8 | 3/8 | 1/2 | 2 | .015 | 5 |
| 6513592 | 5V4C10004BT | – | | 3/8 | 3/8 | 1/2 | 2 | .030 | 5 |
| 6513590 | 5V4C10004ST | – | | 3/8 | 3/8 | 1/2 | 2 | – | 5 |
| 5577102 | 5V0C10004AT | – | | 3/8 | 3/8 | 7/8 | 2 1/2 | .015 | 5 |
| 5577103 | 5V0C10004BT | – | | 3/8 | 3/8 | 7/8 | 2 1/2 | .030 | 5 |
| 5577104 | 5V0C10004CT | – | | 3/8 | 3/8 | 7/8 | 2 1/2 | .060 | 5 |
| 5577105 | 5V0C10004ST | – | | 3/8 | 3/8 | 7/8 | 2 1/2 | – | 5 |
| 6513594 | 5V1C10014AT | – | | 3/8 | 3/8 | 1 1/4 | 3 | .015 | 5 |
| 6513595 | 5V1C10014BT | – | | 3/8 | 3/8 | 1 1/4 | 3 | .030 | 5 |
| 6513593 | 5V1C10014ST | – | | 3/8 | 3/8 | 1 1/4 | 3 | – | 5 |
| 6517095 | 5V4C13015BT | – | | 1/2 | 1/2 | 5/8 | 2 1/2 | .030 | 5 |
| 6517096 | 5V4C13015CT | – | | 1/2 | 1/2 | 5/8 | 2 1/2 | .060 | 5 |
| 6517094 | 5V4C13015ST | – | | 1/2 | 1/2 | 5/8 | 2 1/2 | – | 5 |
| 6517098 | 5V0C13005BT | – | | 1/2 | 1/2 | 1 | 3 | .030 | 5 |
| 6517097 | 5V0C13005ST | – | | 1/2 | 1/2 | 1 | 3 | – | 5 |
| 5577106 | 5V0C13015AT | 5577107 | 5V0C13015AW | 1/2 | 1/2 | 1 1/4 | 3 | .015 | 5 |
| 5577108 | 5V0C13015BT | 5577109 | 5V0C13015BW | 1/2 | 1/2 | 1 1/4 | 3 | .030 | 5 |
| 5577110 | 5V0C13015CT | 5577111 | 5V0C13015CW | 1/2 | 1/2 | 1 1/4 | 3 | .060 | 5 |
| 5577112 | 5V0C13015DT | 5577113 | 5V0C13015DW | 1/2 | 1/2 | 1 1/4 | 3 | .090 | 5 |
| 5577114 | 5V0C13015ET | 5577115 | 5V0C13015EW | 1/2 | 1/2 | 1 1/4 | 3 | .120 | 5 |
| 5577116 | 5V0C13015ST | 5577117 | 5V0C13015SW | 1/2 | 1/2 | 1 1/4 | 3 | – | 5 |
| 6517100 | 5V1C13015AT | – | | 1/2 | 1/2 | 1 5/8 | 4 | .015 | 5 |
| 6517111 | 5V1C13015BT | – | | 1/2 | 1/2 | 1 5/8 | 4 | .030 | 5 |
| 6517112 | 5V1C13015CT | – | | 1/2 | 1/2 | 1 5/8 | 4 | .060 | 5 |
| 6517099 | 5V1C13015ST | – | | 1/2 | 1/2 | 1 5/8 | 4 | – | 5 |
| 6517114 | 5V1C13025BT | – | | 1/2 | 1/2 | 2 1/8 | 4 | .030 | 5 |
| 6517115 | 5V1C13025CT | – | | 1/2 | 1/2 | 2 1/8 | 4 | .060 | 5 |
| 6517116 | 5V1C13025ET | – | | 1/2 | 1/2 | 2 1/8 | 4 | .120 | 5 |
| 6517113 | 5V1C13025ST | – | | 1/2 | 1/2 | 2 1/8 | 4 | – | 5 |
| 6517118 | 5V4C16006BT | – | | 5/8 | 5/8 | 3/4 | 3 | .030 | 5 |
| 6517117 | 5V4C16006ST | – | | 5/8 | 5/8 | 3/4 | 3 | – | 5 |
| 5577118 | 5V0C16006BT | 5577119 | 5V0C16006BW | 5/8 | 5/8 | 1 1/4 | 3 1/2 | .030 | 5 |
| 5577130 | 5V0C16006CT | 5577131 | 5V0C16006CW | 5/8 | 5/8 | 1 1/4 | 3 1/2 | .060 | 5 |

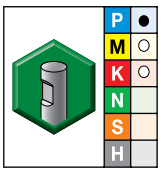
## VariMill II • Series 5V0C • Square End • 5 Flute • Inch

*(continued)*





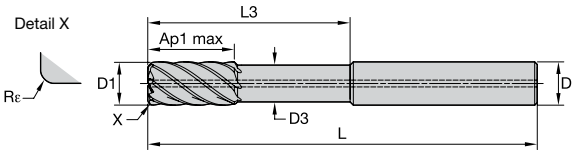



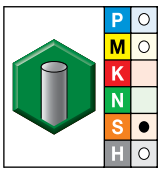

● first choice
○ alternate choice

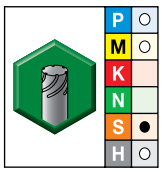
| WP15PE | | WP15PE | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | D1 | D | length of cut Ap1 max | length L | Rε | ZU |
| 5577132 | 5V0C16006DT | 5577133 | 5V0C16006DW | 5/8 | 5/8 | 1 1/4 | 3 1/2 | .090 | 5 |
| 5577134 | 5V0C16006ST | 5577135 | 5V0C16006SW | 5/8 | 5/8 | 1 1/4 | 3 1/2 | – | 5 |
| 6517120 | 5V1C16006BT | | – | 5/8 | 5/8 | 1 5/8 | 3 1/2 | .030 | 5 |
| 6517121 | 5V1C16006CT | | – | 5/8 | 5/8 | 1 5/8 | 3 1/2 | .060 | 5 |
| 6517122 | 5V1C16006ET | | – | 5/8 | 5/8 | 1 5/8 | 3 1/2 | .120 | 5 |
| 6517119 | 5V1C16006ST | | – | 5/8 | 5/8 | 1 5/8 | 3 1/2 | – | 5 |
| 6517123 | 5V6C16006ST | | – | 5/8 | 5/8 | 2 1/8 | 4 1/2 | – | 5 |
| 6517125 | 5V1C16016BT | | – | 5/8 | 5/8 | 2 5/8 | 5 | .030 | 5 |
| 6517124 | 5V1C16016ST | | – | 5/8 | 5/8 | 2 5/8 | 5 | – | 5 |
| 5577136 | 5V0C19007BT | 5577137 | 5V0C19007BW | 3/4 | 3/4 | 1 1/2 | 4 | .030 | 5 |
| 5577138 | 5V0C19007CT | 5577139 | 5V0C19007CW | 3/4 | 3/4 | 1 1/2 | 4 | .060 | 5 |
| 5577160 | 5V0C19007DT | 5577161 | 5V0C19007DW | 3/4 | 3/4 | 1 1/2 | 4 | .090 | 5 |
| 5577162 | 5V0C19007ET | 5577163 | 5V0C19007EW | 3/4 | 3/4 | 1 1/2 | 4 | .120 | 5 |
| 5577164 | 5V0C19007ST | 5577165 | 5V0C19007SW | 3/4 | 3/4 | 1 1/2 | 4 | – | 5 |
| 6517141 | 5V0C19027BT | | – | 3/4 | 3/4 | 1 3/4 | 4 | .030 | 5 |
| 6517142 | 5V0C19027CT | | – | 3/4 | 3/4 | 1 3/4 | 4 | .060 | 5 |
| 6517130 | 5V0C19027ST | | – | 3/4 | 3/4 | 1 3/4 | 4 | – | 5 |
| 6517146 | 5V1C19007BT | | – | 3/4 | 3/4 | 2 1/4 | 5 | .030 | 5 |
| 6517147 | 5V1C19007CT | | – | 3/4 | 3/4 | 2 1/4 | 5 | .060 | 5 |
| 6517148 | 5V1C19007ET | | – | 3/4 | 3/4 | 2 1/4 | 5 | .120 | 5 |
| 6517145 | 5V1C19007ST | | – | 3/4 | 3/4 | 2 1/4 | 5 | – | 5 |
| 6517150 | 5V2C19017BT | | – | 3/4 | 3/4 | 3 1/4 | 6 | .030 | 5 |
| 6517149 | 5V2C19017ST | | – | 3/4 | 3/4 | 3 1/4 | 6 | – | 5 |
| 5577166 | 5V0C25008BT | 5577167 | 5V0C25008BW | 1 | 1 | 1 3/4 | 4 1/2 | .030 | 5 |
| 5577168 | 5V0C25008CT | 5577169 | 5V0C25008CW | 1 | 1 | 1 3/4 | 4 1/2 | .060 | 5 |
| 5577182 | 5V0C25008ET | 5577183 | 5V0C25008EW | 1 | 1 | 1 3/4 | 4 1/2 | .120 | 5 |
| 5577184 | 5V0C25008ST | 5577185 | 5V0C25008SW | 1 | 1 | 1 3/4 | 4 1/2 | – | 5 |
| 6517154 | 5V6C25008BT | | – | 1 | 1 | 2 1/4 | 5 | .030 | 5 |
| 6517155 | 5V6C25008CT | | – | 1 | 1 | 2 1/4 | 5 | .060 | 5 |
| 6517153 | 5V6C25008ST | | – | 1 | 1 | 2 1/4 | 5 | – | 5 |
| 6517159 | 5V1C25008ET | | – | 1 | 1 | 3 1/4 | 6 | .120 | 5 |

## VariMill III ER • Series 7VNX • Square End • Internal Coolant • 7 Flute • Inch





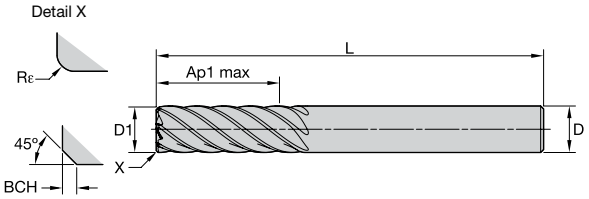



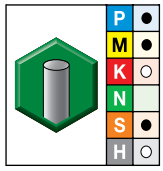

● first choice
○ alternate choice

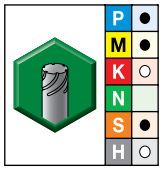
| WS15PE | | WS15PE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | D1 | D | D3 | length of cut Ap1 max | L3 | length L | Rε | Z U |
| 5971348 | 7VNX10004AT | | – | 3/8 | 3/8 | .35 | 3/4 | 2.125 | 4 | .015 | 7 |
| 5971349 | 7VNX10004BT | | – | 3/8 | 3/8 | .35 | 3/4 | 2.125 | 4 | .030 | 7 |
| 5971424 | 7VNX13005BT | | – | 1/2 | 1/2 | .47 | 1 | 2.375 | 4 1/2 | .030 | 7 |
| 5971425 | 7VNX13005CT | | – | 1/2 | 1/2 | .47 | 1 | 2.375 | 4 1/2 | .060 | 7 |
| 5971426 | 7VNX13005ET | | – | 1/2 | 1/2 | .47 | 1 | 2.375 | 4 1/2 | .120 | 7 |
| 5971433 | 7VNX16006BT | | – | 5/8 | 5/8 | .59 | 1 1/4 | 2.750 | 5 | .030 | 7 |
| 5971434 | 7VNX16006CT | | – | 5/8 | 5/8 | .59 | 1 1/4 | 2.750 | 5 | .060 | 7 |
| 5971439 | 7VNX19007BT | 5971442 | 7VNX19007BV | 3/4 | 3/4 | .71 | 1 1/2 | 3.125 | 5 1/2 | .030 | 7 |
| 5971440 | 7VNX19007CT | 5971443 | 7VNX19007CV | 3/4 | 3/4 | .71 | 1 1/2 | 3.125 | 5 1/2 | .060 | 7 |
| 5971441 | 7VNX19007ET | 5971444 | 7VNX19007EV | 3/4 | 3/4 | .71 | 1 1/2 | 3.125 | 5 1/2 | .120 | 7 |
| 5971454 | 7VNX25008CT | 5971455 | 7VNX25008CV | 1 | 1 | .94 | 2 | 3.375 | 6 | .060 | 7 |

## VariMill III ER • Series 771E 772E • Square End • 7 Flute • Metric






● first choice
○ alternate choice

| WS15PE | | WS15PE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | D1 | D | length of cut Ap1 max | length L | Rε | BCH | Z U |
| 5978092 | 771E10004T | | – | 10,0 | 10 | 30,00 | 76 | – | 0,50 | 7 |
| 5978093 | 771E10024T | | – | 10,0 | 10 | 30,00 | 76 | 0,50 | – | 7 |
| 5978094 | 772E10004T | | – | 10,0 | 10 | 50,00 | 100 | – | 0,50 | 7 |
| 5978095 | 772E10024T | | – | 10,0 | 10 | 50,00 | 100 | 0,50 | – | 7 |
| 5978098 | 771E12005T | | – | 12,0 | 12 | 36,00 | 100 | – | 0,50 | 7 |
| 5978099 | 771E12025T | | – | 12,0 | 12 | 36,00 | 100 | 0,50 | – | 7 |
| 5978100 | 772E12005T | 5978102 | 772E12005V | 12,0 | 12 | 60,00 | 125 | – | 0,50 | 7 |
| 5978101 | 772E12025T | 5978103 | 772E12025V | 12,0 | 12 | 60,00 | 125 | 0,50 | – | 7 |
| 5978106 | 771E16006T | | – | 16,0 | 16 | 48,00 | 110 | – | 0,50 | 7 |
| 5978107 | 771E16026T | | – | 16,0 | 16 | 48,00 | 110 | 0,50 | – | 7 |
| 5978108 | 772E16006T | 5978110 | 772E16006V | 16,0 | 16 | 80,00 | 141 | – | 0,50 | 7 |
| 5978109 | 772E16026T | 5978111 | 772E16026V | 16,0 | 16 | 80,00 | 141 | 0,50 | – | 7 |
| 5978114 | 771E20007T | | – | 20,0 | 20 | 60,00 | 125 | – | 0,50 | 7 |
| 5978115 | 771E20027T | | – | 20,0 | 20 | 60,00 | 125 | 0,50 | – | 7 |
| 5978116 | 772E20007T | 5978118 | 772E20007V | 20,0 | 20 | 100,00 | 166 | – | 0,50 | 7 |
| 5978117 | 772E20027T | 5978119 | 772E20027V | 20,0 | 20 | 100,00 | 166 | 0,50 | – | 7 |