



## VALUE AT THE SPINDLE®

| Global patent marking for KYOCERA SGS Precision Tools products as follows. Items listed below may be sold individually or in combination. |  |  |
|---|--|--|
| Product   | Series   | Patent Number(s)   |
| Z-Carb-AP   | Z1PCR, Z1MPCR, Z1PLC, Z1MPIC, Z1MPLC, Z1PLB<br>Specials and Configured tools from Standard 5 digit product ID's                  | 7,306,408<br>7,789,597<br>9,630,263<br>10,137,509<br>2,630,728<br>294328<br>602007023312.7<br>1971456<br>602007054253.7<br>12171003.2  |
| Z-Carb-AP   | Z1PCR, Z1MPCR, Z1PLC, Z1MPIC, Z1MPLC<br>Specials and Configured tools from Standard 5 digit product ID's                         | 8,414,228<br>8,939,682<br>9,630,263  |
| Z-Carb  | Z1, Z1M, Z16CR<br>Specials and Configured tools from Standard 5 digit product ID's   | 7,306,408<br>7,789,597<br>9,630,263<br>10,137,509<br>2,630,728<br>294328<br>602007023312.7<br>1971456<br>602007054253.7<br>12171003.2<br>8,414,228<br>8,939,682<br>9,630,263 |
| Z-Carb HPR<br>T-Carb (Series 51)  | Z5, Z5CR, Z5MCR, 51,51CR, 51L, 51LC, 51M, 51MCR, 51ML, 51MLC<br>Specials and Configured tools from Standard 5 digit product ID's | 10,058,934   |

|   |   |                |
|---|---|----------------|
| Various                                   | Various<br>Specials and Configured tools from Standard 5 digit product ID's                                 | 6,648,561      |
| HiPerCarb® Series 131N                    | 131N 3XD & 5XD (Uncoated and TB Coated)<br>Specials and Configured tools from Standard 5 digit product ID's | Patent Pending |
| Tapered Circle Segment<br>Barrel Endmills | Multi-Carb 67B, S-Carb® APFB<br>Specials and Configured tools from Standard 5 digit product ID's            | Patent Pending |

Revision Date: September 23, 2021

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