



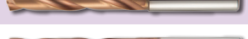
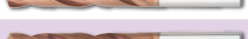
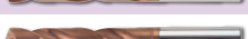
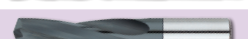






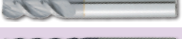



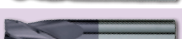




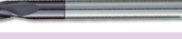
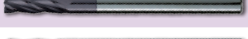

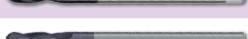




**DRILLS**

| SERIES   | PAGE | COATING  | DESCRIPTION   |
|--|------|----------|---|
| 1580HD  | 17   | HELICA   | Stub length, 2 flute, High performance, Common shank                |
| 1580H   | 14   | HARDLUBE | Stub length, 2 flute, High performance                              |
| 1280H   | 25   | HARDLUBE | Jobber length, 2 flute, High performance                            |
| 1580KD  | 20   | HELICA   | Stub length, 2 flute, High performance, Coolant fed, Common shank   |
| 1280KD  | 30   | HELICA   | Jobber length, 2 flute, High performance, Coolant fed, Common shank |
| 1580KH  | 23   | HELICA   | Stub length, 2 flute, High performance, Coolant fed                 |
| 1280KH  | 28   | HELICA   | Jobber length, 2 flute, High performance, Coolant fed               |
| 1880KH  | 33   | HELICA   | Taper length, 2 flute, High performance, Coolant fed                |
| 1510H   | 39   | HARDLUBE | Stub length, 2 flute, 15° helix, General purpose                    |
| 1520H   | 45   | HARDLUBE | Stub length, 2 flute, General purpose                               |
| 1205H   | 51   | HARDLUBE | Jobber length, 2 flute, General Purpose                             |

**END MILLS**

| SERIES  | PAGE      | COATING | DESCRIPTION  |
|---|-----------|---------|--|
| VRX            | 102 - 107 | X.CEED  | High performance, 4 flute, Variable flute rougher/finisher     |
| VHM            | 101       | X.CEED  | High performance, 4 flute, Variable flute hog mill rougher     |
| 253MA / 853MA  | 87        | X.CEED  | High performance, 3 flute, Profiling and finishing, Square end |
| 253MC          | 91        | TiCN    | High performance, 3 flute, Profiling and finishing, Square end |
| 255MA / 855MA  | 92        | X.CEED  | High performance, 5 flute, Square end                          |
| 255RA / 855RA  | 97        | X.CEED  | High performance, 5 flute, Corner radius                       |
| 170MA / 870MA  | 120       | FUTURA  | Stub length, 4 flute, General purpose, Square end              |
| 190MA / 990MA  | 122       | FUTURA  | Stub length, 4 flute, General purpose, Ball end                |
| 223MA / 823MA  | 131       | FUTURA  | Standard length, 3 flute, General purpose, Square end          |
| 230MA / 830MA  | 131       | FUTURA  | Standard length, 4 flute, General purpose, Square end          |
| 230RA / 830RA  | 135       | FUTURA  | Standard length, 4 flute, General purpose, Corner radius       |
| 323MA / 923MA  | 142       | FUTURA  | Standard length, 3 flute, General purpose, Ball end            |
| 330MA / 930MA  | 142       | FUTURA  | Standard length, 4 flute, General purpose, Ball end            |
| 623MA / 643MA  | 156       | FUTURA  | Extra length, 3 flute, General purpose, Square end             |
| 630MA / 650MA  | 156       | FUTURA  | Extra length, 4 flute, General purpose, Square end             |
| 630RA          | 161       | FUTURA  | Extra length, 4 flute, General purpose, Corner radius          |
| 723MA / 743MA  | 167       | FUTURA  | Extra length, 3 flute, General purpose, Ball end               |
| 730MA / 750MA  | 167       | FUTURA  | Extra length, 4 flute, General purpose, Ball end               |