

































## Extra Length ( $\leq 10xD$ ) Drills

|                         |   |   |   |   |  |   |   |   |
|-------------------------|---|---|---|---|--|---|---|---|
|                         |    |    |    |    |    |    |    |    |
| <b>Series</b>           | <b>6408 / 6412</b>  | <b>5020 - 5026</b>  | <b>617</b>  | <b>669</b>  | <b>336</b>   | <b>618</b>  | <b>619</b>  | <b>6511 - 6514</b>  |
| <b>Length</b>           | 8xD / 15xD  | 45mm FL - 160 mm FL   | 10xD  | 10xD  | 10xD   | Extra #1  | Extra #2  | 20xD - 40xD   |
| <b>Shank</b>            |    |    |    |    |    |    |    |    |
| <b>Style</b>            | Micro   | EB100   | Ti  | Ti  | GT100  | GT100   | GT100   | RT100T  |
| <b>Point Angle</b>      | 140°  | Special   | 130°  | 130°  | 130°   | 130°  | 130°  | 135°  |
| <b>Coolant Fed</b>      |  |  |  |  |  |  |  |  |
| <b>Substrate</b>        | Carbide   | Carbide   | Cobalt  | Cobalt  | Cobalt   | Cobalt  | Cobalt  | Carbide   |
| <b>Surface Finish</b>   |  |  |  |  |  |  |  |  |
| <b>Special alloys</b>   | ✓   | ✓   |   | ✓   | ✓  | ✓   | ✓   | ✓   |
| <b>Ti and Ti-alloys</b> | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓   |   |
| <b>Magnesium alloys</b> | ✓   | ✓   |   | ✓   | ✓  | ✓   | ✓   | ✓   |
| <b>Size Range (mm)</b>  | 1.40 - 3.00   | 1.20 - 8.00   | 1.00 - 15.87  | 1.00 - 10.00  | 1.00 - 12.00   | 2.70 - 10.00  | 3.00 - 10.00  | 3.00 - 14.00  |
| <b>Sizes page</b>       | 300   | 252   | 164   | 194   | 126  | 166   | 167   | 305-306   |

### Free toolfinder software

Find the best-suited Guhring cutting tools for your application -- quickly and easily -- with Guhring Navigator. Go to [www.guhring-tools.ru](http://www.guhring-tools.ru) and click on the icon to test drive this software.

