

**Tools and applications (XXX ⇒ most suitable)**

Router type	Description	FR4	Halogen-free materials laminates with fillers and Tg ≤ 185°C	Laminates with ceramic fillers and Tg ≥ 200°C	IMS and nonferrous metals	Technical ceramics
<b>1640</b>	Drill in undercut design with optimized point geometry <i>DIAMOND COATED</i>	X	XX	XXX	XX	X
<b>1638</b>	Drill in undercut design with high helix angle <i>DIAMOND COATED</i>	X	XX	XXX	XXX	XX
<b>1835</b>	Straight type drill with high helix angle <i>DIAMOND COATED</i>	X	XX	XXX	XXX	XX
<b>1534</b>	Inverse diameter drill with tapered diameter and thinned web <i>DIAMOND COATED</i>	X	XX	XXX	XXX	XX
<b>1625</b>	Drill in undercut and application-specific design <i>THICKER DIAMOND COATING</i>	-	-	-	-	XXX

**General recommendations:**

- ⇒ Follow the “**GCT check list**” for machining PCB’s and the “**GCT parameter recommendations**”
- ⇒ Consider “**Specification GCT drills**”
- ⇒ Use diamond coated drills without contact drilling function