



Recommended Router Bits

We are frequently asked what type of router bits should be used for various jobs. While each job is different and over time you will learn what works best with your setup, here is a good place to start.

Material	Type	Example Parts
Acrylic / Perspex	Single Fluted Spiral Bits – no smoke, good swarf removal	tlBitSFendmill3175x20
Aluminium Sheet (hard or low speed)	Single Flutes Spiral Bits	tlBitSFendmill3175x20
Aluminium Sheet (other)	Twin Fluted Spiral Bits	tlBitEndmill3175x22 tlBitEndmill12x6 tlBitEndmill2x12
Small precision engraving of non-metal	Ball End Endmills	tlBitBallEndmill3175
Large engraving of softwood, MDF, PVC	Single or Twin fluted spiral bits	tlBitSFendmill3175x20 tlBitEndmill3175x22 tlBitEndmill12x6 tlBitEndmill2x12
Engraving Metal	Single or Twin fluted spiral bits with flat end	tlBitSFendmill3175x20 tlBitEndmill3175x22 tlBitEndmill12x6 tlBitEndmill2x12
Engraving MDF, solid wood, composite board or plywood	Straight Bits or twin fluted bits with a large gap between flutes	tlBitV90x3 tlBitV30x2 tlBitV10x1
PCB Drilling, Routing and Engraving	“Corn” Cutters Router mounting drill bits	tlBitDrill17
Carbon Fibre	All of the above	All of the above
Fibreglass	All of the above	All of the above
Stone	Diamond Coated bits	Not stocked

Router Bit	Use	Example Part
“Corn” Cutters	PCB, Carbon Fibre, Fibreglass, Composite Board, Plastics, Epoxy Board, Wood	tlBitCorn3175x12
“V” Shaped flat bits	Engraving PCBs, Graverboard, multi-coloured plastic sandwich board	tlBitV90x3 tlBitV30x2 tlBitV10x1
Single Flute Spiral Cutters	Acrylic/Perspex plastic, PVC, Engraving MDF, woodworking	tlBitSFendmill3175x20
Twin Flute Spiral Cutters	Softwood, hardwood	tlBitEndmill3175x22 tlBitEndmill12x6 tlBitEndmill2x12
PCB Drill Bits	Drilling PCBs, Softwood, carbon fibre and fibreglass	tlBitDrill17 tlBitDrill04

