



Plastics

Belin Single Flute Upward Spiral



100 100 100

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for plastics.

CNCRouterShop Single Flute, Down Spiral for Plastics



100 100 100

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for plastics.

CNCRouterShop Single Flute, Upward Spiral



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CNCRouterShop Twin Flute, Upward Spiral for Plastics



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Belin Single Flute Down Spiral



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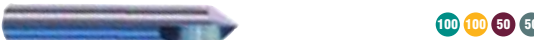
Carbide Engraving Tools, TiAlN Coated



100 100 50 50 50

Table with columns: Product Code, Tip Geometry, Tip Dia (mm), Shank Dia (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various engraving tool specifications.

Solid Carbide Engraving Tools



100 100 50 50

Table with columns: Product Code, Tip/Cut Dia (mm), Shank Dia (mm), Angle, Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various engraving tool specifications.

Aluminium

Belin Single Flute, Upward Spiral for Aluminium



100 100

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for aluminium.

Belin Single Flute, Down Spiral for Aluminium



100 100

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for aluminium.

HSS, Single Straight Flute for Aluminium



100

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for aluminium.

Twin Flute, High Helix for Aluminium



100 100

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for aluminium.

Woods

Straight Twin Fluted Tools for Wood



100 100 50

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for wood.

Ovolo & Ogee Profiling Tools for Wood



100

Table with columns: Product Code, Radius (mm), Inner Dia (mm), Outer Dia (mm), Shank Dia (mm), Cut Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various profiling tool specifications for wood.

Special Applications

Aluminium Composite Spherical Cutters



100 100

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Radius (mm), Shank Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various spherical cutter specifications for aluminium composite.

Aluminium Composite V Cutters



100 100

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Angle, Shank Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various V cutter specifications for aluminium composite.

SCM Composite Spherical Cutters



100 10

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Radius (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various spherical cutter specifications for SCM composite.

Spiral Fluted TiAlN Coated for SCM



100 25

Table with columns: Product Code, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for SCM composite.

Carbide V Bits



20 100 100 20 100

Table with columns: Product Code, Tip/Cut Dia (mm), Shank Dia (mm), Angle, Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various V bit specifications for carbide.

Steels

Spiral Fluted, TiAlN Coated Tools for Metals



100

Table with columns: Product Code, No. of Flutes, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various drill bit specifications for metals.

Ball Nose, Long Series



100 100 20 20

Table with columns: Product Code, No. of Flutes, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various ball nose tool specifications for long series.

Ball Nose TiAlN Coated



100 100 20 20 10

Table with columns: Product Code, No. of Flutes, Cut Dia (mm), Shank Dia (mm), Cut Length (mm), Overall Length (mm), Depth per Pass (mm), Feed Rate (m/min), Spindle (rpm), Coolant / Lubricant. Lists various ball nose tool specifications for TiAlN coated.

Tooling by materials

- Plastics
Foam
Non Ferrous Metals

Special Applications

- Woods
Aluminium
Steels

100 100 50 20 10

The number given in the material indicator is a percentage value, that should be applied to the feed rates & depth of cut in the table, when cutting each material.

IMPORTANT

The data in these tables should be used for guidance only. Under most conditions the values represent a good safe starting point for cutting the materials shown. With experience, it is likely that machine operators will be able to improve on these values to better suit specific machining applications.