

SUMMA ROUTER BITS OVERVIEW

SUMMARY OF ALL ROUTER BITS

Summa's recommendations:

- Use a bigger diameter for faster routing. If more details is required, use a small diameter
- To avoid vibration, the length of the bit should be as close as possible to the thickness of the media
- The depth/pass should be limited to 1 time the diameter size of the bit for the standard router and 1,5 times the diameter of the bit for the HF router
- The maximum media thickness should not exceed 3 x the bit diameter

For more tips and tricks, read our blog on routing at www.summa.eu/blog/routing-simplified

Different kinds of bits

Down Cut bits:

- To keep smaller objects in place
- Ideal to route small details
- When routing with the print on the top side, a down cut bit will provide a better finishing

Coated bits:

- Exerts less friction
- Produces less heat
- Able to route faster and deeper (with less passes)
- A longer lifetime

Acrylic bits:

- Sharper
- Only to be used for acrylic

Speciality bits:

- Compression bit : Up Cut + Down cut
- V-Groove
- Polishing bit

Nomenclature

Abbreviation	Meaning
MP	Multi-Purpose
A	Acrylic ^{NEW}
CT	Coated ^{NEW}
UC	Up Cut
DC	Down Cut ^{NEW}
BAL	Balanced (No vibration - Only for HF Router System)
#FL	Number of Flutes
H	To be used for HF Router System
S	To be used for Standard Router System

Example:

D6/3 L50/11

Description explained:

D6: Shank Diameter / 3: Tip Diameter

L50: Total Length / 11: Length of Cut

Ideal to route in aluminium composites, wood and PVC

Up to 4 mm thick aluminium composites can be processed in a single pass, at speeds of up to 150 mm/s

- The coating = thin film coating
- Less friction = less heat
- Longer lifetime / Less wear
- Greater processing speeds and cutting depths.
- Number of passes can be reduced

H	S	Bit	Description	Picture
		500-9865	D6/6 L50/12 1FL UC BAL CT(3x)	
		500-9867	D6/3 L50/6 1FL UC CT (3x)	
		500-9868	D6/4 L50/12 1FL UC CT (3x)	
		500-9869	D6/2 L50/6 1FL UC CT (3x)	
		500-9870	D6/4 L50/6 1FL UC CT (3x)	

Acrylic Bits NEW

Specially developed to route in acrylics

H	S	Bit	Description	Picture
		500-9882	D6/2 L50/6 1FL UC A (3x)	
		500-9883	D6/3 L50/6 1FL UC A (3x)	
		500-9884	D6/3 L50/11 1FL UC A (3x)	
		500-9885	D6/4 L50/8 1FL UC A (3x)	
		500-9886	D6/4 L50/12 1FL UC A (3x)	
		500-9887	D6/6 L50/12 1FL UC BAL A (3x)	
		500-9888	D6/6 L58/22 1FL UC BAL A (3x)	

Speciality Bits NEW

Compression bit: Up cut and down cut in one, ideal for wood

V-groove bit: Ideal for ACB materials

Polishing bit: Provides a better finish in acrylic - HF Router only

H	S	Bit	Description	Picture
		500-9864	D6/6 L50/22 2FL UC/DC (x2)	
		500-9863	D6/10 L50/6 V Groove 2FL 90°(x2)	
		500-9859	D6/6 L50/14 Polishing (x1)	

Multipurpose Bits

Ideal to route in aluminium composites, wood and PVC

H	S	Bit	Description	Picture
		500-9850	D3/3 L38/11 1FL UC MP (3x)	
		500-9852	D4/4 L50/12 1FL UC MP (3x)	
		500-9854	D6/3 L50/6 1FL UC MP (3x)	
		500-9856	D6/4 L50/12 1FL UC MP (3x)	
		500-9857	D6/6 L50/12 1FL UC BAL MP (3x)	
		500-9858	D6/6 L58/22 1FL UC BAL MP(3x)	

Multipurpose Bits NEW

		500-9872	D3/3 L38/6 1FL UC MP (3x)	
		500-9873	D4/4 L50/6 1FL UC MP (3x)	
		500-9874	D4/4 L50/14 1FL UC MP (3x)	
		500-9875	D6/2 L50/6 1FL UC MP (3x)	
		500-9876	D6/3 L50/11 1FL UC MP (3x)	
		500-9877	D6/4 L50/6 1FL UC MP (3x)	
		500-9878	D6/6 L50/12 1FL UC MP (3x)	
		500-9879	D6/3 L50/6 1FL DC MP (3x)	
		500-9880	D6/4 L50/12 1FL DC MP (3x)	
		500-9881	D6/6 L50/12 1FL DC MP (3x)	
		500-9866	D6/3 L50/11 1FL DC MP (3x)	