

**IMPORTANT:**

This High Upcut design is recommended for maximum dust extraction.

Dust (Chips) must remain moderately loose and unpacked in the cut for the Aerotech Universal to provide maximum dust extraction. Typically packed dust is caused by the downshear cutting action. Material type and condition, operating environment and cutting path pattern have an impact as to how densely dust will become packed within the cut.

To overcome packed dust, decrease the amount of downshear within the cut. This can be accomplished by selecting a tool with more Upcut Length, reducing the depth of cut per pass and/or performing multiple passes.

DESIGN:

- Tool design is optimized to improve the dust extraction and highspeed cutting with the Aerotech System
- Superior surface finish is produced by the 3 precision ground cutting edges
- Good chipflow and lower heat retention are provided by the 3 flute design
- Faster feed rates at low spindle speeds are possible due to the high performance tool geometry
- Submicron, corrosion resistant, extended life carbide provides increased durability and resistance to resin build-up
- 30° Helix design with plunging capability

APPLICATION:

- For exceptionally smooth finishing cuts
- Superior finish on hardwoods, softwoods, laminated panels, MDF, chipboard, plywood and solid surface materials
- 3 flute design allows for two cutting edges to be engaged at all times, providing greater stability and reducing run-out
- Increased number of bite marks per inch reduces chip size and provides a smooth finish on the core of plywood and particleboards, especially important when edge-banding without pre-miling operations
- Eliminates chipping, fuzzing and tear-out when the end of the upcut/downcut cutting edges are further than 1/16" from the top and bottom faces of the board

FINISHING BITS THREE FLUTE**HIGH UPCUT COMPRESSION SPIRAL**

PART NO.	CUTTING DIAM.	MAX. MTL THICKNESS	UPCUT LENGTH	NO. FLUTES	SHANK TYPE
RSF2059A-HUD3-12.9	3/8"	1/2"	9.5mm	3+3	CYL.
RSF2059A-HUD3-16	3/8"	5/8"	12.0mm	3+3	CYL.
RSF2059A-HUD3-19.25	3/8"	3/4"	14.5mm	3+3	CYL.
RSF2059A-HUD3-25.6	3/8"	1"	19.0mm	3+3	CYL.
RSF2061-HUD3-12.9	1/2"	1/2"	8.0mm	3+3	CYL.
RSF2061-HUD3-16	1/2"	5/8"	10.0mm	3+3	CYL.
RSF2061-HUD3-19.25	1/2"	3/4"	12.0mm	3+3	CYL.
RSF2061-HUD3-25.6	1/2"	1"	16.0mm	3+3	CYL.

CYL. refers to a Cylindrical Shank
Mortise Upcut Length is less than 0.250"

EXPANDED CAPABILITIES

Each spiral router bit listed can be ordered with modifications that will extend it's capabilities. Please reference the appropriate product page(s) for more information on each modification's specific applications and benefits.

EXTENDED CAPABILITY OPTIONS

MODIFICATION TYPE	ORDER CODE	MOD. SHAPE	MODIFICATION INFORMATION
CHIPBREAKER	+CB	Notched	FC46 - FC51
REDUCED DIAMETER	+RD	-	-
REDUCED LENGTH	+RL	-	-
ROUGHING	+RS	Scalloped	FC52 - FC57
PASS BY/DEEP MORTISE	+DM	Stepped	FC59