

# O-FLUTES

PLASTICS/ACRYLIC | ALUMINUM | MDF

Highly polished «  
Corrosion resistant «  
Excellent chip ejection «  
Smooth mirror finish cuts «  
Precision ground cutting edge «

## RSFO-U1

## HIGH POLISH O-FLUTE ROUTER BITS

UPCUT, Z=1



Unmatched cutting edge strength and integrity provided by proprietary grinding process enables our O-Flutes to outperform across a broad range of materials and applications without the need for different tools for Hard and Soft plastics.

### MATERIALS:

Recommended for:

- » Soft plastics
- » Hard plastics
- » Acrylic
- » Plexiglass
- » Trespa
- » Solid surface
- » MDF
- » Aluminum
- » ACM [Aluminum Composite Material]

### DESIGN:

- » Single flute high polish, precision ground cutting edge
- » Superior chipflow and lower heat retention is provided by the highly polished flute and primary land [back of cutting edge]
- » Submicron, corrosion resistant, extended life carbide provides increased durability
- » 25° helix design with bottom cutting capability

### APPLICATION:

- » For exceptionally smooth, near mirror finish cuts
- » Ideal for cutting materials that build-up on the tool or reweld to the material
- » Upward cutting action provides excellent chip ejection from the tool path

### INCH SIZES

PART NO.	CUTTING DIAM.	CUTTING LENGTH	SHANK DIAM.	OVERALL LENGTH	NO. FLUTES
RSFO1999-U1	1/16"	1/4"	1/4"	2"	1
RSFO2000-U1	1/8"	1/2"	1/4"	2"	1
RSFO2001-U1	1/8"	1/2"	1/8"	2"	1
RSFO2002-U1	1/8"	3/4"	1/8"	2"	1
RSFO2003-U1	3/16"	5/8"	3/16"	2"	1
RSFO2004-U1	3/16"	5/8"	1/4"	2"	1
RSFO2005-U1	3/16"	1-1/4"	1/4"	3"	1
RSFO2006-U1	1/4"	3/4"	1/4"	2-1/2"	1
RSFO2007-U1	1/4"	3/4"	1/4"	2"	1
RSFO2009-U1	1/4"	1-1/2"	1/4"	3"	1
RSFO2015-U1	3/8"	1-1/4"	3/8"	3"	1

### METRIC SIZES

PART NO.	CUTTING DIAM. MM	CUTTING LENGTH MM	SHANK DIAM. MM	OVERALL LENGTH MM	NO. FLUTES
RSFO3000-U1	2	8	6	50	1
RSFO3001-U1	3	12	6	50	1
RSFO3002-U1	4	12	6	50	1
RSFO3004-U1	4	20	6	60	1
RSFO3005-U1	5	12	6	60	1
RSFO3006-U1	5	22	6	60	1
RSFO3008-U1	6	22	6	60	1
RSFO3012-U1	8	22	8	60	1
RSFO3016-U1	8	38	8	80	1

## RSFO-D1

## HIGH POLISH O-FLUTE ROUTER BITS

DOWNCUT, Z=1



### APPLICATION:

- » For exceptionally smooth finishing cuts
- » Optimized for soft and hard plastics
- » Ideal for cutting materials that have a tendency to build-up on the tool or rewelded to the material
- » Downward cutting action provides excellent chip finish along the top of materials
- » Helps reduces part movement but increases risk of rewelding chips and build up of debris

PART NO.	CUTTING DIAM.	CUTTING LENGTH	SHANK DIAM.	OVERALL LENGTH	NO. FLUTES
RSFO2006-D1	1/4"	3/4"	1/4"	2-1/2"	1

\*Other sizes available upon request

PLASTICS

# RSFO4-U1

## O-FLUTES OPTIMIZED FOR ALUMINUM

UPCUT, Z=1



TYPE:  
UNCOATED

TYPE:  
DLC COATED

With its prepared edge and highly polished flute, rake face, and primary land - the RSFO4's optimized Power Edge™ provides enhanced finish and durability when cutting aluminum materials.

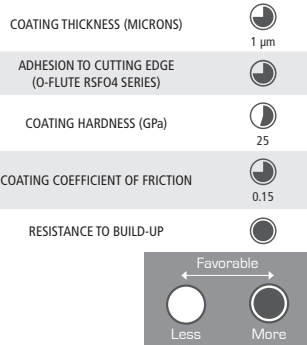
### MATERIALS:

Recommended and optimized for:

- » Aluminium
- » ACM [Aluminium Composite Material]
- » Solid surface

### DLC

**DIAMOND-LIKE CARBON DLC**  
AMORPHOUS CARBON TOOL COATING



### DESIGN:

- » Power Edge™ cutting point for optimal cutting of aluminum
- » Single flute high polish, precision ground cutting edge
- » Outstanding surface finish is produced by the precision ground cutting edge
- » Superior chipflow and lower heat retention is provided by the highly polished flute and primary land (back of cutting edge)
- » Submicron, corrosion resistant, extended life carbide provides increased durability
- » 25° helix design with bottom cutting capability

### APPLICATION:

- » For exceptionally smooth finishing cuts
- » Ideal for cutting aluminum materials that build-up on the tool or reweld to the material
- » Upward cutting action provides excellent chip ejection from the tool path

	PART NO.	CUTTING DIAM.	CUTTING LENGTH	SHANK DIAM.	OVERALL LENGTH	NO. FLUTES
	RSFO400A-U1	1/8"	5/16"	1/4"	1-1/2"	1
DLC	RSFO400ADLC-U1	1/8"	5/16"	1/4"	1-1/2"	1
	RSFO400B-U1	1/8"	1/2"	1/4"	1-1/2"	1
DLC	RSFO400BDLC-U1	1/8"	1/2"	1/4"	1-1/2"	1
	RSFO4000-U1	1/8"	1/2"	1/4"	2"	1
DLC	RSFO4000DLC-U1	1/8"	1/2"	1/4"	2"	1
	RSFO4002-U1	3/16"	1/2"	3/16"	2"	1
DLC	RSFO4002DLC-U1	3/16"	1/2"	3/16"	2"	1
	RSFO4003-U1	3/16"	1/2"	1/4"	2"	1
DLC	RSFO4003DLC-U1	3/16"	1/2"	1/4"	2"	1
	RSFO4004-U1	3/16"	5/8"	1/4"	2"	1
DLC	RSFO4004DLC-U1	3/16"	5/8"	1/4"	2"	1
	RSFO4005-U1	3/16"	1-1/4"	1/4"	3"	1
DLC	RSFO4005DLC-U1	3/16"	1-1/4"	1/4"	3"	1
	RSFO4006-U1	1/4"	5/8"	1/4"	2"	1
DLC	RSFO4006DLC-U1	1/4"	5/8"	1/4"	2"	1
	RSFO4007-U1	1/4"	3/4"	1/4"	2"	1
DLC	RSFO4007DLC-U1	1/4"	3/4"	1/4"	2"	1
	RSFO4009-U1	1/4"	1-1/2"	1/4"	3"	1
DLC	RSFO4009DLC-U1	1/4"	1-1/2"	1/4"	3"	1

ALUMINUM

# RSFO4-D1

## O-FLUTES OPTIMIZED FOR ALUMINUM

DOWNCUT, Z=1



### APPLICATION:

- » For exceptionally smooth finishing cuts
- » Ideal for cutting aluminum materials that build-up on the tool or reweld to the material
- » Downward cutting action provides excellent chip finish along the top of materials
- » Helps reduces part movement but increases risk of rewelding chips and build up of debris

	PART NO.	CUTTING DIAM.	CUTTING LENGTH	SHANK DIAM.	OVERALL LENGTH	NO. FLUTES
	RSFO4000-D1	1/8"	1/2"	1/4"	2"	1
DLC	RSFO4000DLC-D1	1/8"	1/2"	1/4"	2"	1
	RSFO4004-D1	3/16"	5/8"	1/4"	2"	1
DLC	RSFO4004DLC-D1	3/16"	5/8"	1/4"	2"	1

\*Other sizes available upon request

ENGINEERED TO  
OUTPERFORM.

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## Let's connect:

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