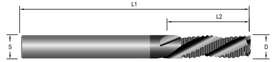


RU - Upcut high helix hogger



RD - Downcut high helix hogger



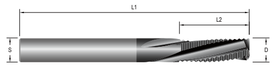
Features: Equipped with a distinctive scalloped cutting edge, enabling high-speed roughing and efficient material removal. Up-cut designs improve chip evacuation, while down-cut versions provide better workpiece stability.
Applications: Plywood, Softwood, Hardwood, MDF, Plastic
Cut Direction: Up-Cut, Rougher, High Helix
Down-Cut, Rougher, High Helix

D	L2	S	L1	Z	ID
3/8"	1 1/8"	3/8"	3 1/2"	3	RU44123
1/2"	1 1/4"	1/2"	3 1/2"	3	RU55133
1/2"	1 5/8"	1/2"	4"	3	RU55163

D	L2	S	L1	Z	ID
3/8"	1 1/8"	3/8"	3 1/2"	3	RD44123
1/2"	1 1/4"	1/2"	3 1/2"	3	RD55133
1/2"	1 5/8"	1/2"	4"	3	RD55163



RUL - Upcut low helix hogger



RDL - Downcut low helix hogger



Features: The advanced scalloped cutting geometry supports aggressive roughing with reduced power consumption, extended tool life, and minimized chipping when machining solid wood.
Applications: Plywood, Softwood, Hardwood, MDF, Plastic
Cut Direction: Up-Cut, Rougher, Low Helix
Down-Cut, Rougher, Low Helix

D	L2	S	L1	Z	ID
3/8"	1 1/8"	3/8"	3 1/2"	3	RUL44123
1/2"	1 1/4"	1/2"	3 1/2"	3	RUL55133
1/2"	1 5/8"	1/2"	4"	3	RUL55163

D	L2	S	L1	Z	ID
3/8"	1 1/8"	3/8"	3 1/2"	3	RDL44123
1/2"	1 1/4"	1/2"	3 1/2"	3	RDL55133
1/2"	1 5/8"	1/2"	4"	3	RDL55163

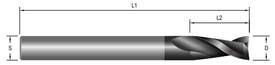


XU - Upcut spiral o flute

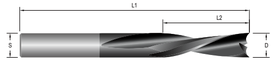


Features: Low-helix design provides smooth plastic cutting with upward chip evacuation and clean surface finish.
Applications: Plastic
Cut Direction: Up-Cut O-Flute

D	L2	S	L1	Z	ID
1/4"	3/8"	1/4"	2 1/2"	2	XU33042
1/4"	3/4"	1/4"	2 1/2"	2	XU33082
3/8"	1"	3/8"	3"	2	XU44102
3/8"	1 1/4"	3/8"	3"	2	XU33132
1/2"	1-1/2"	1/2"	3-1/2"	2	XU55152



UC - Upcut spiral wood rout



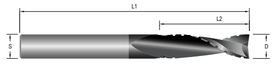
DC - Downcut spiral wood rout



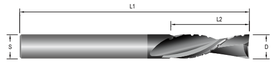
Features: Ideal for routing applications that require efficient upward chip evacuation, strong tool rigidity, extended tool life, and a clean surface finish.
Applications: Softwood, Hardwood, MDF, Plywood
Cut Direction: Up-Cut
Down-Cut

D	L2	S	L1	Z	ID
1/4"	7/8"	1/4"	2 1/2"	2	UC33092
1/4"	1"	1/4"	2 1/2"	2	UC33102
3/8"	1"	3/8"	3"	2	UC44102
3/8"	1 1/8"	3/8"	3"	2	UC44122
3/8"	1 1/4"	3/8"	3"	2	UC44132
1/2"	1 1/4"	1/2"	3"	2	UC55132
1/2"	1 1/2"	1/2"	3 1/2"	2	UC55152

D	L2	S	L1	Z	ID
1/4"	7/8"	1/4"	2-1/2"	2	DC33092
3/8"	1"	3/8"	3"	2	DC44102
3/8"	1-1/8"	3/8"	3"	2	DC44122
1/2"	1"	1/2"	3"	2	DC55102
1/2"	1-1/8"	1/2"	3"	2	DC55122



CU - Upcut Chipbreaker Finisher



CD - Down Chipbreaker Finisher



Features: Allows higher feed rates compared to standard two-flute tools, while maintaining a smooth and consistent cutting finish.
Applications: Softwood, Hardwood, Plywood, MDF
Cut Direction: Up-Cut
Down-Cut

D	L2	S	L1	Z	ID
3/8"	1.125	3/8"	3	2	CU44122
3/8"	1.25	3/8"	3	2	CU44132
1/2"	1.125	1/2"	3	2	CU55122
1/2"	1.625	1/2"	3.5	2	CU55162
1/2"	2.125	1/2"	4	2	CU55222

D	L2	S	L1	Z	ID
3/8"	1 1/8"	3/8"	3"	2	CD44122
3/8"	1 1/4"	3/8"	3"	2	CD44132
1/2"	1 1/8"	1/2"	3"	2	CD55122
1/2"	1 5/8"	1/2"	3 1/2"	2	CD55162
1/2"	2 1/8"	1/2"	4"	2	CD55222

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GOLDEN EAGLE ®



SPIRAL ROUTER BITS
Solid Carbide

TÜV CERT ISO 9001:2000

Spiral Router Bits With Coating

Feature1
Extended Tool Life
Made with premium-grade tungsten carbide and advanced coatings, this tool delivers maximum performance and a longer lifespan, meeting the demands of rigorous applications.

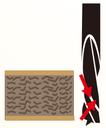
Feature2
In-House Manufacturing
From R&D to final production, every tool is crafted in-house under strict quality control, ensuring reliable performance and customer satisfaction.

Feature3
Wide Range of Shank Diameters
Available in shank diameters ranging from 1/4" to 1/2", providing compatibility with a wide range of machining requirements.



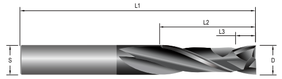
Up-Cut
Efficiently evacuates chips upward, making it ideal for general cutting. Especially suitable for groove cutting and deep-slot machining in solid wood or thick panels.

Down-Cut
Forces chips downward, ensuring excellent edge quality on the top surface. Recommended for faced panels where a clean top-edge finish is essential.



Compression
Combines up-cut and down-cut flutes to ensure clean edges on both top and bottom surfaces, making it ideal for double-sided laminated or veneered materials.

Feature4
Innovative Design
The specialized spiral and flute design provides superior chip evacuation and cutting efficiency, delivering exceptionally smooth finishes even under demanding conditions.



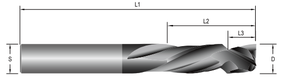
CRM - Mortise Compression Spiral



Features: Designed for high-abrasion wood processing, combining compression spiral geometry with advanced coating for smooth edges and extended tool life.
Applications: MDF, Faced Board, Composite
Cut Direction: Compression

D	L2	L3	S	L1	Z	ID
1/4"	7/8"	0.188"	1/4"	2-1/2"	2+2-M	CRM33092
3/8"	1"	0.188"	3/8"	3"	2+2-M	CRM44102
1/2"	1"	0.188"	1/2"	3"	2+2-M	CRM55102
1/2"	1-3/8"	0.2"	1/2"	3-1/2"	2+2-M	CRM55142

D	L2	L3	S	L1	Z	ID
3/8"	1-1/8"	0.39"	3/8"	3"	2+2	CR44122
1/2"	1-1/8"	0.56"	1/2"	3"	2+2	CR55122
1/2"	1-3/8"	0.62"	1/2"	3-1/2"	2+2	CR55142
1/2"	1-5/8"	0.75"	1/2"	4"	2+2	CR55162

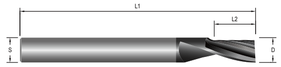


CR - Compression Spiral



Features: Premium carbide construction offers excellent wear resistance and consistent performance, ideal for cabinet and furniture manufacturing.
Applications: MDF, Chipboard (MFC)
Cut Direction: Compression

D	L2	L3	S	L1	Z	ID
3/8"	1-1/8"	0.5"	3/8"	3"	3+3	CR44123
3/8"	7/8"	0.2"	3/8"	3"	3+3-M	CRM44093
1/2"	7/8"	0.2"	1/2"	3"	3+3-M	CRM55093
1/2"	1-3/8"	0.2"	1/2"	3-1/2"	3+3-M	CRM55143

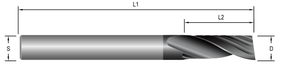


XUA - Upcut spiral o flute for acrylic

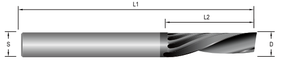


Features: Engineered for acrylic processing, these tools provide extended tool life and consistent cutting performance. The specialized geometry ensures a smooth edge finish on both cast and extruded materials.
Applications: Plastic
Cut Direction: Up-Cut, O-Flute

D	L2	S	L1	Z	ID
1/4"	3/8"	1/4"	2-1/2"	1	XUA33041
1/4"	3/4"	1/4"	2-1/2"	1	XUA33081
3/8"	1-1/8"	3/8"	3"	1	XUA44121
3/8"	1-1/4"	3/8"	3"	1	XUA44131



SU - Upcut spiral super o



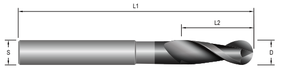
SD - Downcut spiral super o



Features: A polished flute delivers a razor-sharp cutting edge while promoting efficient chip evacuation. The up-cut spiral design further enhances chip removal for cleaner machining results.
Applications: Softwood, Hardwood, MDF, Plywood, Plastic, Aluminum
Cut Direction: Up-Cut, Super O
Down-Cut, Super O

D	L2	S	L1	Z	ID
1/4"	7/8"	1/4"	2-1/2"	1	SU33091
1/4"	1-1/4"	1/4"	3"	1	SU33131
1/4"	1-1/2"	1/4"	3"	1	SU33151
3/8"	1-1/8"	3/8"	3"	1	SU44121

D	L2	S	L1	Z	ID
1/4"	3/8"	1/4"	2"	1	SD33041
1/4"	3/4"	1/4"	2"	1	SD33081
3/8"	3/4"	3/8"	3"	1	SD44081
3/8"	1 1/8"	3/8"	3"	1	SD44121

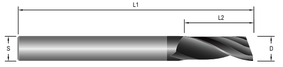


BU - Upcut spiral ballnose



Features: Optimized tip geometry provides smoother, finer carving and modeling results than standard ball nose end mills.
Applications: Softwood, Hardwood, MDF, Plywood, Plastic, Aluminum
Cut Direction: Up-Cut

D	L2	S	L1	Z	ID
1/4"	7/8"	1/4"	2 1/2"	2	BU33092
3/8"	1"	3/8"	3"	2	BU44102
3/8"	1-1/8"	3/8"	3"	2	BU44122
3/8"	1 1/4"	3/8"	3"	2	BU44132
1/2"	1-1/8"	1/2"	3"	2	BU55122



XU - Upcut spiral o flute



Features: Built for high-speed CNC machining of aluminum sheets and solid materials with reliable cutting performance.
Applications: Aluminum
Cut Direction: Up-Cut, O-Flute

D	L2	S	L1	Z	ID
1/4"	3/8"	1/4"	2"	1	XU33041
1/4"	3/4"	1/4"	2-1/2"	1	XU33081
3/8"	3/4"	3/8"	3"	1	XU44081
3/8"	1 1/8"	3/8"	3"	1	XU44121
1/2"	1 1/8"	1/2"	3 1/2"	1	XU55121
1/2"	1 3/8"	1/2"	3 1/2"	1	XU55141