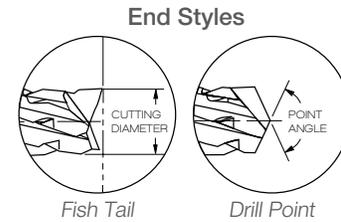
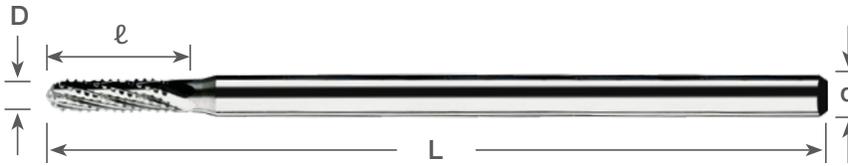


# UP CUT

CHIPBREAKER PATTERN ROUTER BITS  
CFRP, FIBERGLASS, AND COMPOSITE MATERIALS

**1/32" - 1/8" DIAMETER**  
**0.80mm - 8.00mm DIAMETER**  
Sub Micron Grain Carbide  
Chips Exhausted Upwards  
For Finer Part Edge Finishes  
DLC is Amorphous Diamond



## UP CUT (Inch Sizes)

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Dimensions (in)				End Style	Uncoated		DLC Coating		CVD Diamond	
D	d	ℓ	L		Part Number	Stock	Part Number	Stock	Part Number	Stock
1/32	1/8	0.255	1 1/2	Fish Tail	2320-0312.255F	●	2320-0312D255F	●	2320-0312V255F	●
1/32	1/8	0.255	1 1/2	Drill Point	2320-0312.255D	●	2320-0312D255D	●	2320-0312V255D	●
3/64	1/8	0.255	1 1/2	Fish Tail	2320-0469.255F	●	2320-0469D255F	●	2320-0469V255F	●
3/64	1/8	0.255	1 1/2	Drill Point	2320-0469.255D	●	2320-0469D255D	●	2320-0469V255D	●
1/16	1/8	0.255	1 1/2	Fish Tail	2320-0625.255F	●	2320-0625D255F	●	2320-0625V255F	●
1/16	1/8	0.255	1 1/2	Drill Point	2320-0625.255D	●	2320-0625D255D	●	2320-0625V255D	●
3/32	1/8	0.395	1 1/2	Fish Tail	2320-0938.395F	●	2320-0938D395F	●	2320-0938V395F	●
3/32	1/8	0.395	1 1/2	Drill Point	2320-0938.395D	●	2320-0938D395D	●	2320-0938V395D	●
1/8	1/8	0.500	1 1/2	Fish Tail	2320-1250.500F	●	2320-1250D500F	●	2320-1250V500F	●
1/8	1/8	0.500	1 1/2	Drill Point	2320-1250.500D	●	2320-1250D500D	●	2320-1250V500D	●

## UP CUT (Metric Sizes)

Dimensions (mm)				End Style	Uncoated		DLC Coating		CVD Diamond	
D	d <sup>h6</sup>	ℓ	L		Part Number	Stock	Part Number	Stock	Part Number	Stock
0.80	3	4	38	Fish Tail	2320-0315.157F	●	2320-0315D157F	●	2320-0315V157F	●
0.80	3	4	38	Drill Point	2320-0315.157D	●	2320-0315D157D	●	2320-0315V157D	●
1.00	3	5	38	Fish Tail	2320-0394.197F	●	2320-0394D197F	●	2320-0394V197F	●
1.00	3	5	38	Drill Point	2320-0394.197D	●	2320-0394D197D	●	2320-0394V197D	●
1.50	3	8	38	Fish Tail	2320-0591.315F	●	2320-0591D315F	●	2320-0591V315F	●
1.50	3	8	38	Drill Point	2320-0591.315D	●	2320-0591D315D	●	2320-0591V315D	●
2.00	3	9	38	Fish Tail	2320-0787.354F	●	2320-0787D354F	●	2320-0787V354F	●
2.00	3	9	38	Drill Point	2320-0787.354D	●	2320-0787D354D	●	2320-0787V354D	●
3.00	3	12	38	Fish Tail	2320-1181.472F	●	2320-1181D472F	●	2320-1181V472F	●
3.00	3	12	38	Drill Point	2320-1181.472D	●	2320-1181D472D	●	2320-1181V472D	●
4.00	4	15	40	Fish Tail	2320-1575.591F	●	2320-1575D591F	●	2320-1575V591F	●
4.00	4	15	40	Drill Point	2320-1575.591D	●	2320-1575D591D	●	2320-1575V591D	●
5.00	5	20	50	Fish Tail	2320-1968.787F	●	2320-1968D787F	●	2320-1968V787F	●
5.00	5	20	50	Drill Point	2320-1968.787D	●	2320-1968D787D	●	2320-1968V787D	●
6.00	6	20	50	Fish Tail	2320-2362.787F	●	2320-2362D787F	●	2320-2362V787F	●
6.00	6	20	50	Drill Point	2320-2362.787D	●	2320-2362D787D	●	2320-2362V787D	●
8.00	8	25	63	Fish Tail	2320-3150.984F	●	2320-3150D984F	●	2320-3150V984F	●
8.00	8	25	63	Drill Point	2320-3150.984D	●	2320-3150D984D	●	2320-3150V984D	●

### SERIES 2320 WORKPIECE MATERIAL

Coating	P Steel ~30HRC	P Steel 30~40HRC	H Hardened Steel ~55HRC	H Hardened Steel ~68HRC	M Stainless Steel	K Cast Iron	N Aluminum	N Graphite	N Copper Alloy	N CFRP	N Plastic	N Thermoset Plastic	N High Density Plastic	S Nickel / Cobalt	S Titanium Alloy
CVD Diamond							☆	★		★					
DLC							☆	☆		☆					
Uncoated							☆		★	★	☆	☆	☆		

★ : Priority ☆ : Applicable Materials

Symbol Descriptions [Page 7](#)