

- **2 Flute, 55° Hi-Helix**
- **Manufactured from Premium Sub Micro Grain Carbide for High Transverse Rupture Strength**
- **Ground with Micro Polished Cylindrical Land for Improved Surface Finishes**
- **Stub, Standard, Long and Extra Long Lengths**
- **Extended Reach for Deep Pockets**
- **Reduced Neck & Weldon Flats Available Upon Request**

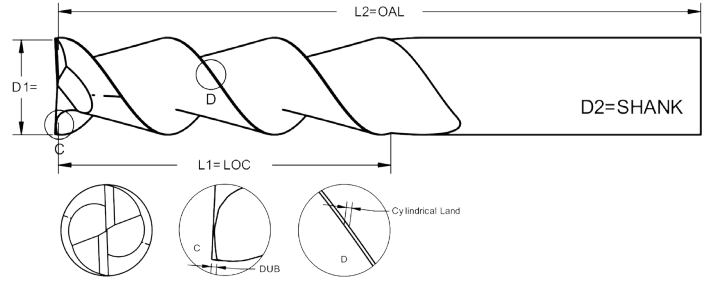
Standard Square End

2FL - Stub, Standard, & Long Length Sizes

EDP#	DIA	SHANK	LOC	OAL	FLUTE
2000	9/64"	3/16"	5/8"	2"	2 FL
2001	1/8"	1/8"	1/2"	1-1/2"	2 FL
2501	1/8"	1/8"	3/16"	1-1/2"	2 FL
2502	1/8"	1/8"	1/4"	2"	2 FL
2002	5/32"	5/32"	3/4"	2"	2 FL
2503	3/16"	3/16"	1/4"	2"	2 FL
2504	3/16"	3/16"	3/8"	3"	2 FL
2003	3/16"	3/16"	5/8"	2"	2 FL
2004	3/16"	3/16"	1"	3"	2 FL
2506	1/4"	1/4"	3/8"	2"	2 FL
2509	1/4"	1/4"	1/2"	3"	2 FL
2006	1/4"	1/4"	3/4"	2-1/2"	2 FL
2009	1/4"	1/4"	1-1/4"	3"	2 FL
2512	5/16"	5/16"	1/2"	2"	2 FL
2515	5/16"	5/16"	1/2"	3"	2 FL
2012	5/16"	5/16"	1"	2-1/2"	2 FL
2015	5/16"	5/16"	1-3/8"	3"	2 FL
2518	3/8"	3/8"	5/8"	2"	2 FL
2524	3/8"	3/8"	5/8"	4"	2 FL
2018	3/8"	3/8"	1"	2-1/2"	2 FL
2021	3/8"	3/8"	1-1/2"	3"	2 FL
2024	3/8"	3/8"	2-1/2"	4"	2 FL
2027	7/16"	7/16"	1"	3"	2 FL
2530	1/2"	1/2"	5/8"	2-1/2"	2 FL
2536	1/2"	1/2"	5/8"	4"	2 FL
2030	1/2"	1/2"	1"	3"	2 FL
2033	1/2"	1/2"	1-1/4"	3"	2 FL
2036	1/2"	1/2"	1-1/2"	3-1/2"	2 FL
2039	1/2"	1/2"	2"	4"	2 FL
2042	1/2"	1/2"	3"	5"	2 FL
2045	9/16"	9/16"	1-1/4"	3-1/2"	2 FL
2548	5/8"	5/8"	3/4"	3"	2 FL
2048	5/8"	5/8"	1-1/4"	3-1/2"	2 FL
2051	5/8"	5/8"	1-3/4"	4"	2 FL
2054	5/8"	5/8"	2-1/2"	5"	2 FL
2557	3/4"	3/4"	1"	3"	2 FL
2563	3/4"	3/4"	1"	6"	2 FL
2057	3/4"	3/4"	1-1/2"	4"	2 FL
2060	3/4"	3/4"	2-1/2"	5"	2 FL
2063	3/4"	3/4"	3-1/2"	6"	2 FL
2566	1"	1"	1"	3"	2 FL
2569	1"	1"	1"	7"	2 FL
2066	1"	1"	1-1/2"	4"	2 FL
2067	1"	1"	2-1/2"	5"	2 FL
2068	1"	1"	3"	6"	2 FL
2069	1"	1"	4"	7"	2 FL

Cutting Diameter Tolerances +.000/-0.0005"

Shank Diameter Tolerances +.000/-0.0005"



Metric Square End

2FL - Stub, Standard, & Long Length Sizes

EDP#	DIA	SHANK	LOC	OAL	FLUTE
M2101-UC	3 mm	3 mm	10 mm	38 mm	2 FL
M2102-UC	4 mm	4 mm	16 mm	50 mm	2 FL
M2103-UC	5 mm	5 mm	16 mm	50 mm	2 FL
M2106-UC	6 mm	6 mm	19 mm	63 mm	2 FL
M2206-UC	6 mm	6 mm	32 mm	75 mm	2 FL
M2112-UC	8 mm	8 mm	22 mm	63 mm	2 FL
M2212-UC	8 mm	8 mm	35 mm	75 mm	2 FL
M2118-UC	10 mm	10 mm	25 mm	63 mm	2 FL
M2218-UC	10 mm	10 mm	38 mm	75 mm	2 FL
M2220-UC	10 mm	10 mm	63 mm	100 mm	2 FL
M2130-UC	12 mm	12 mm	25 mm	75 mm	2 FL
M2230-UC	12 mm	12 mm	38 mm	90 mm	2 FL
M2232-UC	12 mm	12 mm	50 mm	100 mm	2 FL
M2234-UC	12 mm	12 mm	75 mm	125 mm	2 FL
M2145-UC	14 mm	14 mm	32 mm	88 mm	2 FL
M2148-UC	16 mm	16 mm	32 mm	88 mm	2 FL
M2248-UC	16 mm	16 mm	44 mm	100 mm	2 FL
M2250-UC	16 mm	16 mm	63 mm	125 mm	2 FL
M2155-UC	18 mm	18 mm	38 mm	100 mm	2 FL
M2157-UC	20 mm	20 mm	38 mm	100 mm	2 FL
M2257-UC	20 mm	20 mm	63 mm	125 mm	2 FL
M2259-UC	20 mm	20 mm	90 mm	150 mm	2 FL
M2166-UC	25 mm	25 mm	38 mm	100 mm	2 FL
M2266-UC	25 mm	25 mm	63 mm	125 mm	2 FL
M2268-UC	25 mm	25 mm	102 mm	165 mm	2 FL

Cutting Diameter Tolerances +0/-0.0125mm"

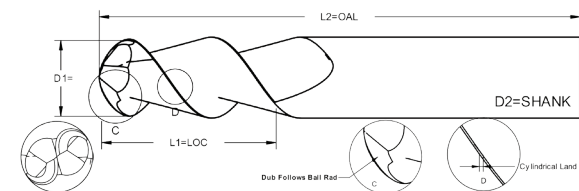
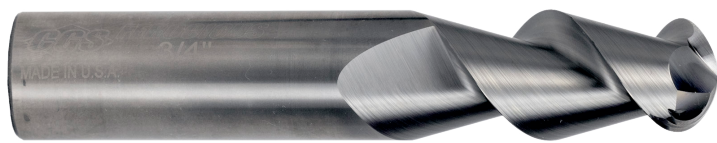
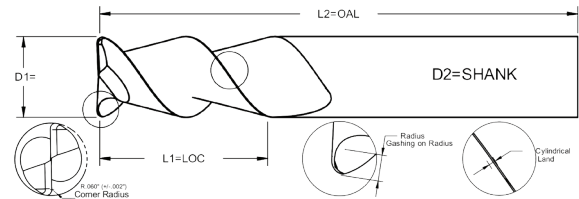
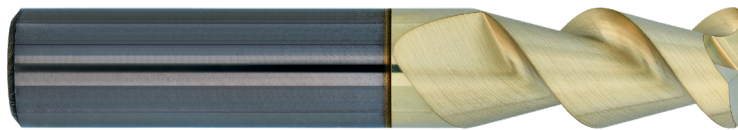
Shank Diameter Tolerances +0/-0.0125mm"

FEROCIOUS

2000 Series

- Available with Corner Radius (CR) and Ball Nose (BN)
- High Performance in Roughing, Slotting, Contour, Peripheral and Finish Milling
- High Helix for Vertical Shear Action and Chip Evacuation
- Industry's Highest Attainable Speeds & Feeds when Milling Aluminum, Non-Ferrous Materials and Plastics
- Reduced Neck & Weldon Flats Available Upon Request

ZrN Coated tools: Add "S" After the Part Number



Corner Radius - CR

Cutting Diameter Tolerances $+0.000/-0.0005$ "

Shank Diameter Tolerances $+0.000/-0.0005$ "

2FL - Stub, Standard, & Long Length Sizes

Corner Radius Part Numbers

DIA	SHK	LOC	OAL	FLUTE	SQUARE	.015"	.030"	.060"	.090"	.125"
1/8"	1/8"	1/2"	1-1/2"	2 FL	2001	CR2001.015	CR2001.030	-	-	-
3/16"	3/16"	5/8"	2"	2 FL	2003	CR2003.015	CR2003.030	-	-	-
1/4"	1/4"	3/4"	2-1/2"	2 FL	2006	CR2006.015	CR2006.030	CR2006.060	-	-
3/8"	3/8"	1"	2-1/2"	2 FL	2018	CR2018.015	CR2018.030	CR2018.060	-	-
1/2"	1/2"	1"	3"	2 FL	2030	CR2030.015	CR2030.030	CR2030.060	CR2030.090	CR2030.125
1/2"	1/2"	1-1/4"	3"	2 FL	2033	CR2033.015	CR2033.030	CR2033.060	CR2033.090	CR2033.125
1/2"	1/2"	1-1/2"	3-1/2"	2 FL	2036	CR2036.015	CR2036.030	CR2036.060	CR2036.090	CR2036.125
1/2"	1/2"	2"	4"	2 FL	2039	CR2039.015	CR2039.030	CR2039.060	CR2039.090	CR2039.125
5/8"	5/8"	1-1/4"	3-1/2"	2 FL	2048	CR2048.015	CR2048.030	CR2048.060	CR2048.090	CR2048.125
3/4"	3/4"	1-1/2"	4"	2 FL	2057	CR2057.015	CR2057.030	CR2057.060	CR2057.090	CR2057.125
3/4"	3/4"	2-1/2"	5"	2 FL	2060	CR2060.015	CR2060.030	CR2060.060	CR2060.090	CR2060.125
1"	1"	1-1/2"	4"	2 FL	2066	CR2066.015	CR2066.030	CR2066.060	CR2066.090	CR2066.125
1"	1"	2-1/2"	5"	2 FL	2067	CR2067.015	CR2067.030	CR2067.060	CR2067.090	CR2067.125
1"	1"	4"	7"	2 FL	2069	CR2069.015	CR2069.030	CR2069.060	CR2069.090	CR2069.125

Ballnose - BN

Cutting Diameter Tolerances $+0.000/-0.0005$ "

Shank Diameter Tolerances $+0.000/-0.0005$ "

2FL - Stub, Standard, & Long Length Sizes

EDP#	DIA	SHANK	LOC	OAL	FLUTE
BN2001	1/8"	1/8"	1/2"	1-1/2"	2 FL
BN2003	3/16"	3/16"	5/8"	2"	2 FL
BN2006	1/4"	1/4"	3/4"	2-1/2"	2 FL
BN2009	1/4"	1/4"	1-1/4"	3"	2 FL
BN2012	5/16"	5/16"	1"	2-1/2"	2 FL
BN2018	3/8"	3/8"	1"	2-1/2"	2 FL
BN2021	3/8"	3/8"	1-1/2"	3"	2 FL
BN2030	1/2"	1/2"	1"	3"	2 FL
BN2033	1/2"	1/2"	1-1/4"	3"	2 FL
BN2036	1/2"	1/2"	1-1/2"	3-1/2"	2 FL
BN2039	1/2"	1/2"	2"	4"	2 FL
BN2048	5/8"	5/8"	1-1/4"	3-1/2"	2 FL
BN2057	3/4"	3/4"	1-1/2"	4"	2 FL
BN2060	3/4"	3/4"	2-1/2"	5"	2 FL
BN2066	1"	1"	1-1/2"	4"	2 FL
BN2067	1"	1"	2-1/2"	5"	2 FL
BN2069	1"	1"	4"	7"	2 FL

Special Sizes, Lengths and Radii Available Upon Quote Request

ZrN Coated tools: Add "S" After Each Part Number

Other Coatings Available Upon Request

