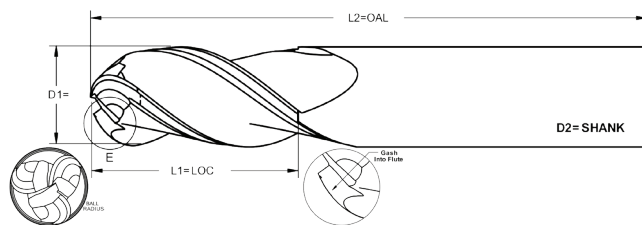
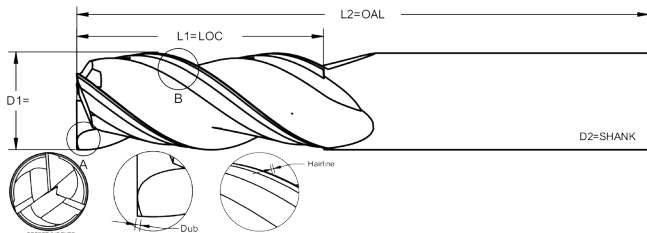


FEROCIOUS 3x

5300 & 5400 Series



- Aluminum Alloys, Non-Ferrous Materials & Plastics
 - Better Tool Performance at Higher RPM
 - Variable Helix and Variable Index
 - Improved Surface Finishes - Rough & Finish
 - Bright and ZrN Coating
 - Special Sizes, Lengths and Radii Available upon Request
 - Reduced Neck & Weldon Flats Available upon Request
- ZrN Coated tools: Add "S" After the Part Number**



Standard Square End

3FL - Square - Stub, Standard, & Long Length

EDP#	DIA	SHANK	LOC	OAL
5301	1/8"	1/8"	1/2"	1-1/2"
5303	3/16"	3/16"	5/8"	2"
5304	3/16"	3/16"	1"	3"
5306	1/4"	1/4"	3/4"	2-1/2"
5309	1/4"	1/4"	1-1/4"	3"
5312	5/16"	5/16"	1"	2-1/2"
5315	5/16"	5/16"	1-3/8"	3"
5318	3/8"	3/8"	1"	2-1/2"
5321	3/8"	3/8"	1-1/2"	3"
5327	7/16"	7/16"	1"	3"
5330	1/2"	1/2"	1"	3"
5333	1/2"	1/2"	1-1/4"	3"
5336	1/2"	1/2"	1-1/2"	3-1/2"
5339	1/2"	1/2"	2"	4"
5348	5/8"	5/8"	1-1/4"	3-1/2"
5351	5/8"	5/8"	1-3/4"	4"
5357	3/4"	3/4"	1-1/2"	4"
5360	3/4"	3/4"	2-1/2"	5"
5363	3/4"	3/4"	3-1/2"	6"
5366	1"	1"	1-1/2"	4"
5367	1"	1"	2-1/2"	5"
5368	1"	1"	3"	6"
5369	1"	1"	4"	7"

Cutting Diameter Tolerances +.0007/-.0005"

Shank Diameter Tolerances +.0007/-.0005"

Standard Corner Radius

3FL - CR - Standard Sizes

EDP#	DIA	SHANK	LOC	OAL	RADIUS
CR5301.015	1/8"	1/8"	1/2"	1-1/2"	.015"
CR5303.020	3/16"	3/16"	5/8"	2"	.020"
CR5306.020	1/4"	1/4"	3/4"	2-1/2"	.020"
CR5312.020	5/16"	5/16"	1"	2-1/2"	.020"
CR5318.020	3/8"	3/8"	1"	2-1/2"	.020"
CR5330.015	1/2"	1/2"	1"	3"	.015"
CR5330.030	1/2"	1/2"	1"	3"	.030"
CR5348.030	5/8"	5/8"	1-1/4"	3-1/2"	.030"
CR5357.030	3/4"	3/4"	1-1/2"	4"	.030"
CR5366.030	1"	1"	1-1/2"	4"	.030"

Standard Ball End

3FL - BN - Standard Sizes

EDP#	DIA	SHANK	LOC	OAL	RADIUS
BN5301	1/8"	1/8"	1/2"	1-1/2"	BALL
BN5303	3/16"	3/16"	5/8"	2"	BALL
BN5306	1/4"	1/4"	3/4"	2-1/2"	BALL
BN5312	5/16"	5/16"	1"	2-1/2"	BALL
BN5318	3/8"	3/8"	1"	2-1/2"	BALL
BN5330	1/2"	1/2"	1"	3"	BALL
BN5348	5/8"	5/8"	1-1/4"	3-1/2"	BALL
BN5357	3/4"	3/4"	1-1/2"	4"	BALL
BN5366	1"	1"	1-1/2"	4"	BALL

Cutting Diameter Tolerances +.0°/-.0125mm

Shank Diameter Tolerances +.0°/-.0125mm

Metric Square End

3FL - Square - Metric Sizes - 5400 Series

EDP#	DIA	SHANK	LOC	OAL	RADIUS
5401	3 mm	3 mm	12 mm	38 mm	NO
5402	4 mm	4 mm	14 mm	50 mm	NO
5403	5 mm	5 mm	16 mm	50 mm	NO
5406	6 mm	6 mm	20 mm	63 mm	NO
5412	8 mm	8 mm	20 mm	63 mm	NO
5418	10 mm	10 mm	25 mm	75 mm	NO
5430	12 mm	12 mm	25 mm	75 mm	NO
5448	16 mm	16 mm	32 mm	88 mm	NO
5457	20 mm	20 mm	38 mm	100 mm	NO
5466	25 mm	25 mm	38 mm	100 mm	NO

