FULLERTON®







METRIC SOLID CARBIDE END MILLS

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YOUR TOTAL ROUND TOOL SOLUTIONS COMPANY

FULLERTON Tool Company Inc.

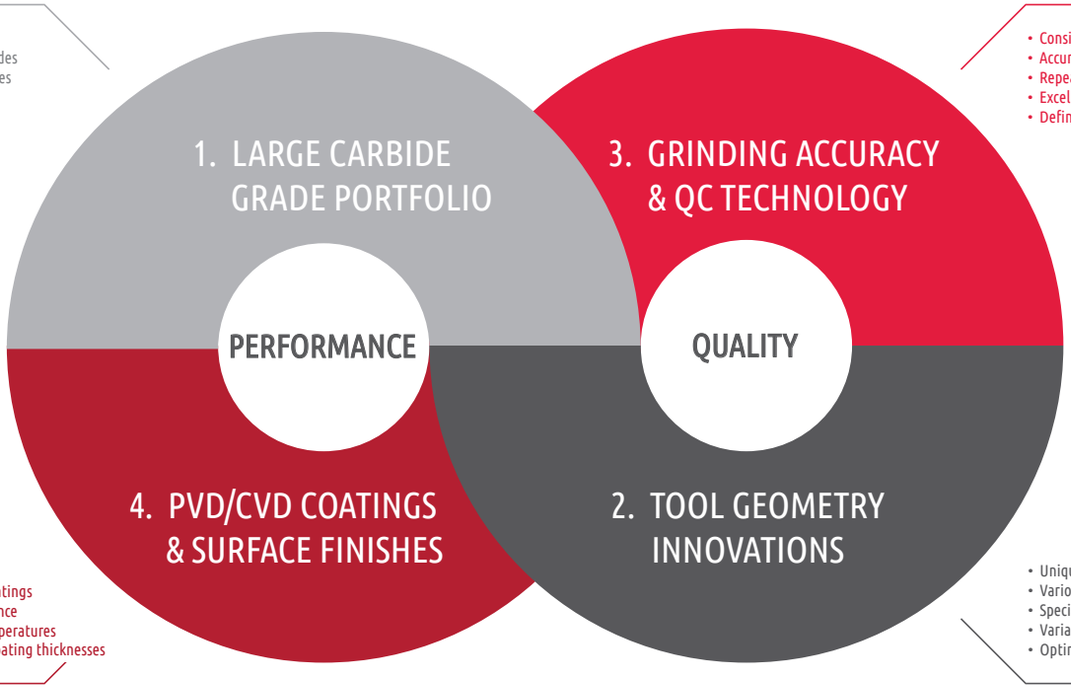
TOOL STRATEGY

1. LATEST DEVELOPMENTS

- Fine carbide grades
- Submicron carbide grades
- Ultra fine carbide grades
- Nano carbide grades

3. MANUFACTURING TECHNOLOGY

- Consistent flute & shank concentricity
- Accurate cutting diameter tolerances
- Repeatable radius tolerances
- Excellent grinding finishes
- Defined process technology



- Specific application coatings
- Maximum wear resistance
- Highest operating temperatures
- Controlled adhesion/coating thicknesses

4. SURFACE TREATMENTS

- Unique & innovative flute forms
- Various honed cutting edge contours
- Special grinding features in form & finish
- Variable helix and variable flute offsets
- Optimized rake, clearance and helix angles

2. ONGOING INNOVATIONS

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Coating Key

Coating		Recommended Usage
UC	UNIVERSAL COATING	Uncoated
TiN		A good general purpose coating that is excellent for iron-based materials and low and medium strength steels. It has excellent wear resistance, thermal stability, and a low coefficient of friction that improves thermal transfer of heat away from the cutting edge.
TiCN		This coating has a higher hardness and is recommended for cast irons, high silicon aluminum alloys, copper, and other abrasive materials. Coolant must be applied to control temperature at the cutting edge.
TiAlN		Excellent for high strength steels, hard die steels, high temperature alloys, and titanium alloys. Possible for dry machining, which eliminates thermal shocks created by flood coolants.
FC-1	HIGH PERFORMANCE COATING	Thin film CVD Diamond is ideal in graphite, green ceramic, carbon fiber reinforced plastics (CFRP), (HiSilicon) fiberglass, metal matrix composites, and cast aluminum alloys. Possible dry machine capabilities.
FC-5		Special purpose single layer coating reduces built-up edge when machining aluminum and titanium alloys.
FC-7		Good, hot hardness and high oxidation resistance with outstanding frictional properties. Ideal in deep hole application.
FC-18		Terrific for levels of oxidation resistance and hot hardness. Exemplary wear resistance. Excellent in high-speed machining parameters for milling, stainless steels, alloy steels, titanium, and hardened steels.
FC-19		Outstanding self-lubricating properties. Extremely smooth, droplet-free surfaces ensure "frictionless" chip removal. Ideal for machining aluminum (silicon content <10%) and titanium alloys.
FC-20		High hardness and elasticity, low friction, and high oxidation resistance. Excellent for stainless steel and nickel-based high temperature alloys.

ISO Material Color

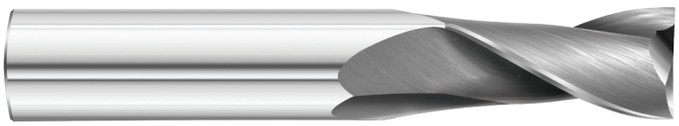
To help in the selection of a tool appropriate for your need, we have included recommended materials for each tool series based on the ISO Material Color Guide. You can find recommended materials near the bottom of every tool series page.

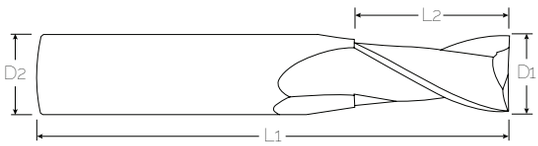
Fullerton Tool's Primary Material/Icon List

- Titanium
- Super Alloys
- Hardened Steels
- Stainless Steels
- Steels
- Cast Iron
- Graphite
- Brass & Copper
- High Silicon Aluminum (Silicon > 10%)
- Low Silicon Aluminum (Silicon < 10%)
- Composites
- Plastics
- Wood
- General Purpose — This is a non-ISO category, but it addresses a need in that it identifies items that fill a niche of tools that perform well in multiple material categories and applications. If you are looking for an 'all-around' tool, look for General Purpose.

3215 / Universal End Mill - Square End - 2 Flutes

■ Titanium ■ High Temp Alloys ■ Stainless Steels
■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm 0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

D1	Tool Style	L2	D2	L1	COATING			
					UC	TIALN	TICN	TIN
1.00	STB	2.50	3.00	38.00	92143	92186		
	SD	4.00	3.00	38.00	92037	92233		
1.50	SD	6.00	3.00	38.00	92038	92234		
2.00	STB	4.00	3.00	38.00	92145	92187		
	SD	8.00	3.00	38.00	92039	92235		
2.50	SD	12.00	3.00	38.00	92041	92236		
3.00	STB	6.00	3.00	38.00	92140	92255		
	SD	12.00	3.00	38.00	92042	92237		
	XL	25.00	3.00	76.00	92160			
3.50	SD	12.00	4.00	50.00	92083	92238		
4.00	SD	14.00	4.00	50.00	92043	92239		
4.50	SD	14.00	5.00	51.00	92085	92240		
5.00	SD	16.00	5.00	64.00	92044	92241		
6.00	STB	12.00	6.00	50.00	92142	92256		
	SD	20.00	6.00	64.00	92045	92242		
	XL	29.00	6.00	76.00	92162			
7.00	SD	22.00	7.00	64.00	92046	92243		
8.00	STB	12.00	8.00	50.00	92144	92257		
	SD	22.00	8.00	64.00	92047	92244		
	XL	29.00	8.00	76.00	92164			
9.00	SD	22.00	9.00	64.00	92048	92245		
10.00	STB	15.00	10.00	50.00	92146	92258		
	SD	25.00	10.00	64.00	92049	92246		
	XL	45.00	10.00	100.00	92166			
11.00	SD	25.00	11.00	84.00	92087	92247		
12.00	STB	15.00	12.00	63.00	92148	92259		
	SD	25.00	12.00	84.00	92050	92248		
	XL	50.00	12.00	100.00	92168			
14.00	SD	32.00	14.00	84.00	92051	92249		
16.00	SD	38.00	16.00	89.00	92052	92250		
	XL	63.00	16.00	125.00	92165			
18.00	SD	40.00	18.00	100.00	92053	92251		
20.00	SD	40.00	20.00	100.00	92054	92252		
	XL	63.00	20.00	125.00	92167			
22.00	SD	40.00	22.00	100.00	92089	92253		
25.00	SD	40.00	25.00	100.00	92091	92254		

SQUARE

2
FLUTES

CENTER CUTTING

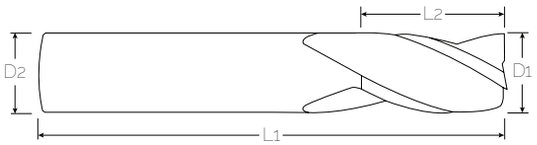
STB SD XL
LENGTHS

UNCOATED
TIN
TIALN
TICN
COATING

3300 / Universal End Mill - Square End - 3 Flutes

■ Titanium ■ High Temp Alloys ■ Stainless Steels ■ Steels
■ Cast Iron ■ Brass & Copper ■ High Si Al ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

SQUARE

3
FLUTES

CENTER CUTTING

STB SD XL
LENGTHS

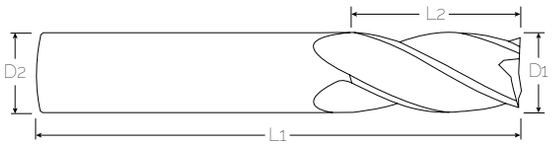
UNCOATED
TIN
TIALN
TICN
COATING

D1	Tool Style	L2	D2	L1	COATING			
					UC	TIALN	TICN	TIN
1.00	STB	2.50	3.00	38.00	93200	93208		
	SD	4.00	3.00	38.00	92330	92350		
1.50	STB	3.00	3.00	38.00	93201	93209		
	SD	6.00	3.00	38.00	92331	92351		
2.00	STB	4.00	3.00	38.00	93202	93210		
	SD	9.00	3.00	38.00	92332	92352		
2.50	STB	5.00	3.00	38.00	93203	93211		
	SD	12.00	3.00	38.00	92333	92353		
3.00	STB	6.00	3.00	38.00	93204	93212		
	SD	12.00	3.00	38.00	92334	92354		
3.50	SD	12.00	4.00	50.00	92335	92355		
4.00	STB	8.00	4.00	50.00	93205	93213		
	SD	14.00	4.00	50.00	92336	92356		
4.50	SD	14.00	5.00	51.00	92337	92357		
5.00	STB	10.00	5.00	51.00	93206	93214		
	SD	16.00	5.00	64.00	92338	92358		
6.00	STB	13.00	6.00	50.00	93207	93215		
	SD	20.00	6.00	64.00	92339	92359		
7.00	SD	22.00	7.00	64.00	92340	92360		
8.00	SD	22.00	8.00	64.00	92341	92361		
9.00	SD	22.00	9.00	64.00	92342	92362		
10.00	SD	25.00	10.00	64.00	92343	92363		
	SD	28.00	10.00	73.00	92496	92497		
12.00	SD	25.00	12.00	84.00	92344	92364		
14.00	SD	32.00	14.00	84.00	92345	92365		
16.00	SD	38.00	16.00	89.00	92346	92366		
18.00	SD	40.00	18.00	100.00	92347	92367		
20.00	SD	40.00	20.00	100.00	92348	92368		
25.00	SD	40.00	25.00	100.00	92349	92369		

3200 / Universal End Mill - Square End - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels ■ Stainless Steels
■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

SQUARE

4
FLUTES

CENTER CUTTING

STB SD XL
LENGTHS

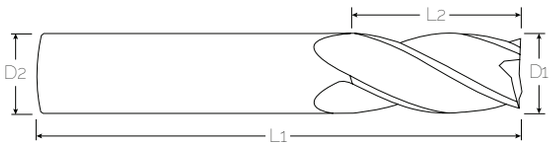
UNCOATED
TIN
TIALN
TICN
COATING

D1	Tool Style	L2	D2	L1	COATING			
					UC	TIALN	TICN	TIN
1.00	STB	2.50	3.00	38.00	92093	92180		
	SD	4.00	3.00	38.00	92001	92201		
1.50	STB	3.00	3.00	38.00	92194	92195		
	SD	6.00	3.00	38.00	92002	92202		
2.00	STB	4.00	3.00	38.00	92094	92181		
	SD	8.00	3.00	38.00	92003	92203		
2.50	SD	6.00	3.00	38.00	91319	91388		
	SD	12.00	3.00	38.00	92005	92204		
3.00	STB	6.00	3.00	38.00	92100	92223		
	SD	12.00	3.00	38.00	92006	92205		
	XL	25.00	3.00	76.00	92120	92228		
3.50	SD	12.00	4.00	50.00	92073	92206		
4.00	STB	8.00	4.00	50.00	91320	92101		
	SD	14.00	4.00	50.00	92007	92207		
	XL	25.00	4.00	64.00	91251	91317		
4.50	SD	14.00	5.00	51.00	92075	92208		
5.00	STB	10.00	5.00	51.00	91321	92103		
	SD	16.00	5.00	64.00	92008	92209		
	XL	25.00	5.00	76.00	91252	91318		
6.00	STB	12.00	6.00	50.00	92102	92224		
	SD	20.00	6.00	64.00	92009	92210		
	XL	29.00	6.00	76.00	92122	92229		
7.00	SD	22.00	7.00	64.00	92010	92211		

3200 / Universal End Mill - Square End - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels ■ Stainless Steels
■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

SQUARE

4
FLUTES

CENTER CUTTING

STB SD XL
LENGTHS

UNCOATED
TIN
TIALN
TICN
COATING

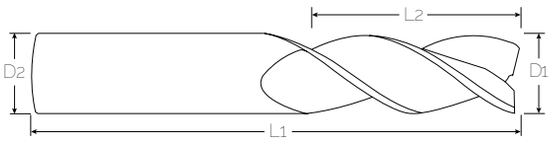
D1	Tool Style	L2	D2	L1	COATING			
					UC	TIALN	TICN	TIN
8.00	STB	12.00	8.00	50.00	92104	92225		
	SD	22.00	8.00	64.00	92011	92212		
	XL	29.00	8.00	76.00	92124	92230		
9.00	SD	22.00	9.00	64.00	92012	92213		
10.00	STB	15.00	10.00	50.00	92106	92226		
	SD	25.00	10.00	64.00	92013	92214		
	XL	45.00	10.00	100.00	92126	92231		
11.00	SD	25.00	11.00	84.00	92077	92215		
12.00	STB	15.00	12.00	63.00	92108	92227		
	SD	25.00	12.00	84.00	92014	92216		
	XL	50.00	12.00	100.00	92128	92232		
	XL	76.00	12.00	150.00	92127	92137		
14.00	SD	32.00	14.00	84.00	92015	92217		
16.00	SD	30.00	16.00	89.00	91322	91389		
	SD	38.00	16.00	89.00	92016	92218		
	XL	63.00	16.00	125.00	92129	92182		
	XL	76.00	16.00	150.00	92133	92147		
18.00	SD	40.00	18.00	100.00	92017	92219		
20.00	SD	30.00	18.00	100.00	91323	91390		
	SD	40.00	18.00	100.00	92018	92220		
	XL	63.00	18.00	125.00	92131	92183		
	XL	76.00	20.00	150.00	92135	92149		
22.00	SD	40.00	22.00	100.00	92079	92221		
25.00	SD	40.00	25.00	100.00	92081	92222		

3833 / AP AlumaMill G3 - Square End - 3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill G3





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 37.5˚ Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

SQUARE

3 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

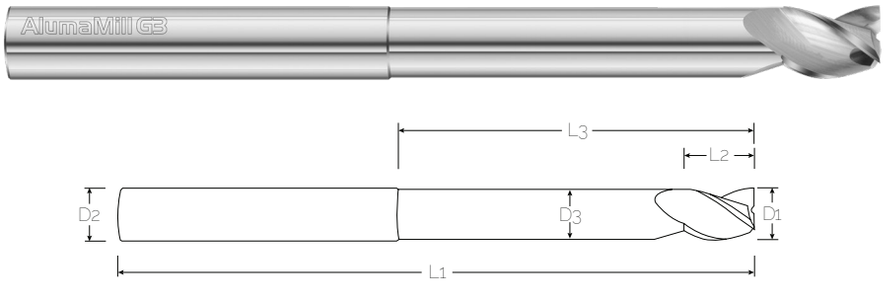
UNCOATED FC-5 COATING

D1	Tool Style	L2	D2	L1	COATING	
					UC	FC 5
3.00	STB	6.00	3.00	38.00	27136	27137
	SD	12.00	3.00	50.00	93000	93012
	SD	20.00	3.00	50.00	27146	27147
4.00	STB	8.00	4.00	50.00	27164	27165
	SD	12.00	4.00	50.00	93100	93054
	SD	16.00	4.00	50.00	93001	93013
5.00	STB	13.00	5.00	51.00	27195	27196
	SD	20.00	5.00	64.00	93002	93014
6.00	STB	13.00	6.00	58.00	93101	93055
	SD	25.00	6.00	64.00	93003	93015
	XL	50.00	6.00	100.00	93038	93046
7.00	SD	25.00	7.00	64.00	93004	93016
8.00	STB	16.00	8.00	64.00	27319	27320
	SD	25.00	8.00	64.00	93005	93017
	XL	50.00	8.00	100.00	93039	93047
10.00	STB	15.00	10.00	64.00	27377	27378
	SD	26.00	10.00	64.00	93006	93018
	XL	50.00	10.00	100.00	93040	93048
12.00	STB	20.00	12.00	76.00	27435	27436
	SD	30.00	12.00	84.00	93007	93019
	XL	50.00	12.00	100.00	93041	93049
14.00	SD	20.00	14.00	76.00	27575	27576
	SD	30.00	14.00	84.00	93008	93020
	XL	57.00	14.00	125.00	93042	93050
16.00	STB	30.00	16.00	89.00	27653	27654
	SD	41.00	16.00	89.00	93009	93021
	XL	63.00	16.00	150.00	93043	93051
20.00	SD	30.00	20.00	100.00	27759	27760
	SD	44.00	20.00	100.00	93010	93022
	XL	63.00	20.00	150.00	93044	93052
25.00	SD	45.00	25.00	100.00	93011	93023
	XL	63.00	25.00	150.00	93045	93053

3833 / AP AlumaMill G3 - Square End - Long Reach - 3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill G3



Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 37.5˚ Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

SQUARE

3 FLUTES

CENTER CUTTING

LR LONG REACH

UNCOATED / FC-5 COATING

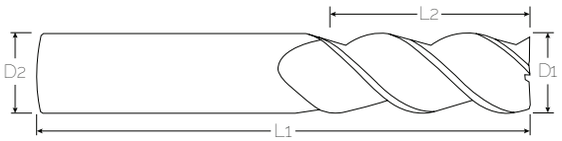
D1	Tool Style	L2	D2	L1	L3	D3	COATING	
							UC	FC 5
6.00	LR	20.00	6.00	100.00	50.00	5.7500	93024	93031
8.00	LR	20.00	8.00	100.00	50.00	7.7200	93025	93032
10.00	LR	26.00	10.00	100.00	57.00	9.6000	93026	93033
12.00	LR	25.00	12.00	100.00	57.00	11.6100	93027	93034
16.00	LR	30.00	16.00	150.00	89.00	15.3400	93028	93035
20.00	LR	38.00	20.00	150.00	89.00	19.3500	93029	93036
25.00	LR	38.00	25.00	150.00	89.00	24.0000	93030	93037

3835 / AP AlumaMill - Square End - 3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill™





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 36˚ High Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

SQUARE

3 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

UNCOATED FC-19 COATING

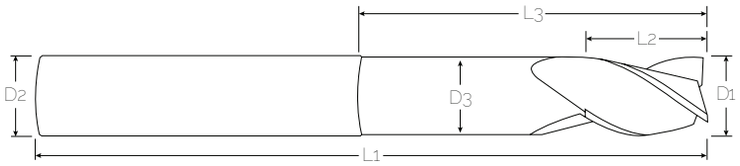
D1	Tool Style	L2	D2	L1	COATING	
					UC	FC 19
3.00	SD	12.00	3.00	38.00	92467	92528
4.00	SD	16.00	4.00	50.00	92468	92529
5.00	SD	16.00	5.00	64.00	92469	92530
6.00	SD	25.00	6.00	64.00	92470	92531
	XL	50.00	6.00	100.00	92479	92540
7.00	SD	25.00	7.00	64.00	92471	92532
8.00	SD	25.00	8.00	64.00	92472	92533
	XL	50.00	8.00	100.00	92480	92541
10.00	SD	25.00	10.00	64.00	92473	92534
	XL	50.00	10.00	100.00	92481	92542
12.00	SD	30.00	12.00	84.00	92474	92535
	XL	50.00	12.00	100.00	92482	92543
14.00	SD	30.00	14.00	84.00	92475	92536
	XL	57.00	14.00	125.00	92483	92544
16.00	SD	41.00	16.00	89.00	92476	92537
	XL	63.00	16.00	150.00	92484	92545
20.00	SD	44.00	20.00	100.00	92477	92538
	XL	63.00	20.00	150.00	92485	92546
25.00	SD	44.00	25.00	100.00	92478	92539
	XL	63.00	25.00	150.00	92486	92547

3835 / AP AlumaMill - Square End - Long Reach - 3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill™





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 36˚ High Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

SQUARE

3
FLUTES

CENTER CUTTING

LR
LONG REACH

UNCOATED
FC-19
COATING

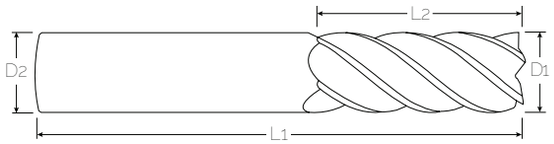
D1	Tool Style	L2	D2	L1	L3	D3	COATING	
							UC	FC 19
6.00	LR	20.00	6.00	100.00	50.00	5.75	92487	92548
8.00	LR	20.00	8.00	100.00	50.00	7.70	92488	92549
10.00	LR	25.00	10.00	100.00	57.00	9.60	92489	92550
12.00	LR	25.00	12.00	100.00	57.00	11.60	92490	92551
16.00	LR	30.00	16.00	150.00	89.00	15.34	92491	92552
20.00	LR	38.00	20.00	150.00	89.00	19.35	92492	92553
25.00	LR	38.00	25.00	150.00	89.00	24.00	92493	92554

3412 / AP Fantom 2.0 - Square End - 5 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ Cast Iron

FANTOM 2.0





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- 5 Individually Designed Flutes
  - Eccentric Relief
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

SQUARE

5 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

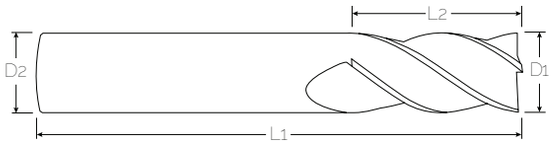
FC-20 COATING

D1	Tool Style	L2	D2	L1	COATING FC 20
3.00	SD	6.00	3.00	38.00	37505
	SD	12.00	3.00	38.00	37507
4.00	STB	8.00	4.00	50.00	37510
	SD	14.00	4.00	50.00	37512
5.00	STB	10.00	5.00	51.00	37515
	SD	16.00	5.00	64.00	37519
6.00	STB	10.00	6.00	50.00	37523
	SD	20.00	6.00	64.00	37531
	SD	20.00	6.00	76.00	37533
8.00	STB	12.00	8.00	50.00	37558
	SD	22.00	8.00	64.00	37566
	SD	22.00	8.00	76.00	37568
10.00	STB	12.00	10.00	50.00	37591
	SD	25.00	10.00	64.00	37597
	SD	25.00	10.00	89.00	37599
12.00	STB	16.00	12.00	63.00	37612
	SD	25.00	12.00	76.00	37619
	SD	25.00	12.00	100.00	37621
16.00	STB	20.00	16.00	89.00	37675
	SD	38.00	16.00	100.00	37682
20.00	SD	38.00	20.00	100.00	37718
	SD	63.00	20.00	125.00	37725
25.00	SD	38.00	25.00	100.00	37732

3500 / AP Fury - Square End - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ High Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - Variable Helix
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

SQUARE

4 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

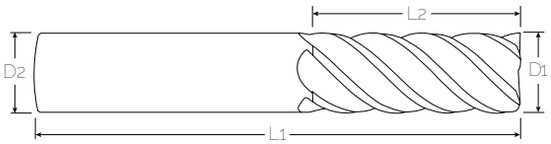
FC-20 COATING

D1	Tool Style	L2	D2	L1	COATING FC 20
3.00	STB	6.00	3.00	38.00	35002
	SD	10.00	3.00	38.00	35005
4.00	SD	12.00	4.00	50.00	35039
5.00	SD	16.00	5.00	64.00	35584
6.00	STB	10.00	6.00	50.00	35053
	SD	12.00	6.00	64.00	35057
8.00	SD	20.00	8.00	64.00	35091
10.00	SD	25.00	10.00	64.00	35136
	SD	32.00	10.00	76.00	35139
12.00	SD	26.00	12.00	84.00	35149
	SD	32.00	12.00	84.00	35152
16.00	SD	40.00	16.00	89.00	35246

3600 / AP Force - Square End - 5,7,9 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ Cast Iron ■ Plastics ■ Wood





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

SQUARE

5 7 9
FLUTES

CENTER CUTTING

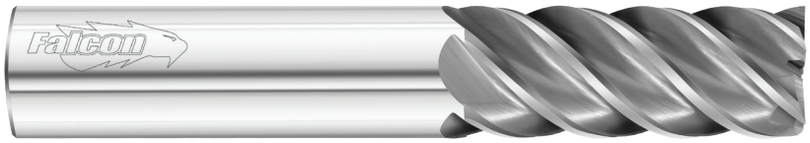
STB SD XL
LENGTHS

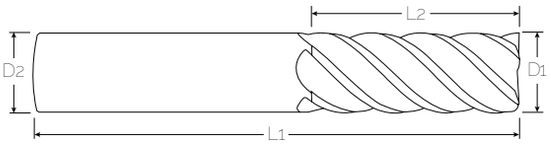
FC-20
COATING

D1	Tool Style	L2	D2	L1	FLUTES	COATING
						FC 20
6.00	SD	20.00	6.00	76.00	5	36280
8.00	SD	22.00	8.00	76.00	7	36283
10.00	SD	30.00	10.00	76.00	7	36249
12.00	XL	36.00	12.00	100.00	7	36251
16.00	STB	20.00	16.00	89.00	9	36256
	XL	48.00	16.00	125.00	9	36257

3845 / AP Falcon Finisher - Square End - 5 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ Cast Iron





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 45˚ Helix
  - Eccentric Relief
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

SQUARE

5 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

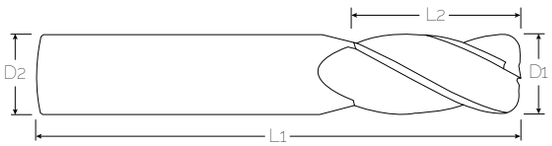
UNCOATED TIALN COATING

D1	Tool Style	L2	D2	L1	COATING	
					UC	TIALN
16.00	XL	76.00	16.00	150.00	93700	
20.00	STB	28.00	20.00	105.00	38084	
	XL	76.00	20.00	150.00	93702	
25.00	SD	28.00	25.00	105.00	38079	

3200 / Universal End Mill - Corner Radius - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels ■ Stainless Steels
■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

CORNER RADIUS

4 FLUTES

CENTER CUTTING

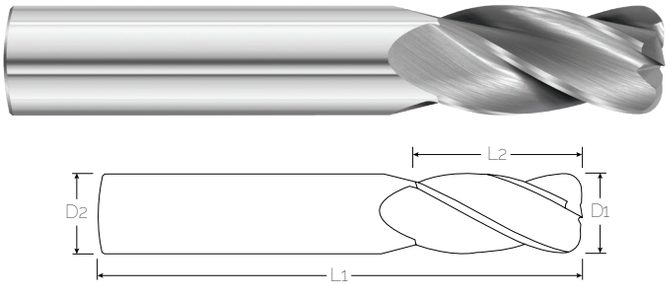
STB SD XL LENGTHS

UNCOATED TIALN COATING

D1	Tool Style	L2	D2	L1	R	COATING	
						UC	TIALN
3.00	SD	8.00	3.00	38.00	0.20	91324	91356
	SD	8.00	3.00	38.00	0.50	91325	91357
	SD	8.00	3.00	38.00	1.00	91326	91358
	SD	12.00	3.00	38.00	0.20	91934	91953
	SD	12.00	3.00	38.00	0.50	91935	91954
	SD	12.00	3.00	38.00	1.00	91936	91955
	XL	25.00	3.00	76.00	0.20	91253	91285
	XL	25.00	3.00	76.00	0.50	91254	91286
	XL	25.00	3.00	76.00	1.00	91255	91287
4.00	SD	14.00	4.00	50.00	0.20	91937	91956
	SD	14.00	4.00	50.00	0.50	91938	91957
	SD	14.00	4.00	50.00	1.00	91939	91958
4.50	SD	14.00	5.00	51.00	0.20	91940	91959
	SD	14.00	5.00	51.00	0.50	91941	91960
	SD	14.00	5.00	51.00	1.00	91942	91961
5.00	SD	16.00	5.00	64.00	0.20	91943	91962
	SD	16.00	5.00	64.00	0.50	91944	91963
	SD	16.00	5.00	64.00	1.00	91945	91964
6.00	SD	12.00	6.00	50.00	0.20	91327	91359
	SD	12.00	6.00	50.00	0.50	91328	91360
	SD	12.00	6.00	50.00	1.00	91329	91361
	SD	12.00	6.00	50.00	1.50	91330	91362
	SD	20.00	6.00	64.00	0.20	91946	91965
	SD	20.00	6.00	64.00	0.50	91876	91905
	SD	20.00	6.00	64.00	1.00	91877	91906
	SD	20.00	6.00	64.00	1.50	91878	
	SD	20.00	6.00	64.00	2.00	91879	
	SD	20.00	6.00	64.00	2.50	91880	
	XL	29.00	6.00	76.00	0.20	91256	91288
	XL	29.00	6.00	76.00	0.50	91257	91289
	XL	29.00	6.00	76.00	1.00	91258	91290
	XL	29.00	6.00	76.00	1.50	91259	91291

3200 / Universal End Mill - Corner Radius - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels ■ Stainless Steels
■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al



Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

D1	Tool Style	L2	D2	L1	R	COATING	
						UC	TIALN
8.00	SD	12.00	8.00	50.00	0.50	91331	91363
	SD	12.00	8.00	50.00	1.00	91332	91364
	SD	12.00	8.00	50.00	1.50	91333	91365
	SD	12.00	8.00	50.00	2.00	91334	91366
	SD	22.00	8.00	64.00	0.50	91881	91910
	SD	22.00	8.00	64.00	1.00	91882	91911
	SD	22.00	8.00	64.00	1.50	91883	91912
	SD	22.00	8.00	64.00	2.00	91884	91913
	SD	22.00	8.00	64.00	2.50	91885	
	SD	22.00	8.00	64.00	3.00	91886	
	XL	29.00	8.00	76.00	0.50	91260	91292
	XL	29.00	8.00	76.00	1.00	91261	91293
	XL	29.00	8.00	76.00	1.50	91262	91294
	XL	29.00	8.00	76.00	2.00	91263	91295
10.00	SD	15.00	10.00	50.00	0.50	91335	91367
	SD	15.00	10.00	50.00	1.00	91336	91368
	SD	15.00	10.00	50.00	1.50	91337	91369
	SD	15.00	10.00	50.00	2.00	91338	91370
	SD	25.00	10.00	64.00	0.50	91887	91916
	SD	25.00	10.00	64.00	1.00	91888	91917
	SD	25.00	10.00	64.00	1.50	91889	91918
	SD	25.00	10.00	64.00	2.00	91890	91874
	SD	25.00	10.00	64.00	2.50	91891	
	SD	25.00	10.00	64.00	3.00	91892	
	XL	45.00	10.00	100.00	0.50	91264	91296
	XL	45.00	10.00	100.00	1.00	91265	91297
	XL	45.00	10.00	100.00	1.50	91266	91298
	XL	45.00	10.00	100.00	2.00	91267	91299
12.00	SD	15.00	12.00	63.00	0.50	91339	91371
	SD	15.00	12.00	63.00	1.00	91340	91372
	SD	15.00	12.00	63.00	1.50	91341	91373
	SD	15.00	12.00	63.00	2.00	91342	91374
	SD	15.00	12.00	63.00	2.50	91343	92814
	SD	25.00	12.00	84.00	0.50	91893	91922
	SD	25.00	12.00	84.00	1.00	91894	91923
	SD	25.00	12.00	84.00	1.50	91895	91924
	SD	25.00	12.00	84.00	2.00	91896	91925
	SD	25.00	12.00	84.00	2.50	91897	91926
	SD	25.00	12.00	84.00	3.00	91898	
	XL	50.00	12.00	100.00	0.50	91268	91300
	XL	50.00	12.00	100.00	1.00	91269	91301
	XL	50.00	12.00	100.00	1.50	91270	91302
	XL	50.00	12.00	100.00	2.00	91271	91303
	XL	50.00	12.00	100.00	2.50	91272	91304

CORNER RADIUS

4 FLUTES

CENTER CUTTING

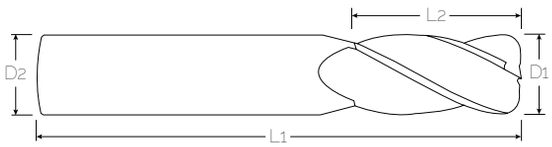
STB SD XL LENGTHS

UNCOATED
TIALN
COATING

3200 / Universal End Mill - Corner Radius - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels ■ Stainless Steels
■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

D1	Tool Style	L2	D2	L1	R	COATING	
						UC	TIALN
16.00	SD	30.00	16.00	89.00	0.50	91344	91376
	SD	30.00	16.00	89.00	1.00	91345	91377
	SD	30.00	16.00	89.00	1.50	91346	91378
	SD	30.00	16.00	89.00	2.00	91347	91379
	SD	30.00	16.00	89.00	2.50	91348	91380
	SD	30.00	16.00	89.00	3.00	91349	91381
	SD	38.00	16.00	89.00	0.50	91899	91928
	SD	38.00	16.00	89.00	1.00	91900	91929
	SD	38.00	16.00	89.00	1.50	91901	91930
	SD	38.00	16.00	89.00	2.00	91902	91931
	SD	38.00	16.00	89.00	2.50	91903	91932
	SD	38.00	16.00	89.00	3.00	91904	91933
	SD	63.00	16.00	125.00	0.50	91273	91305
	XL	63.00	16.00	125.00	1.00	91274	91306
	XL	63.00	16.00	125.00	1.50	91275	91307
	XL	63.00	16.00	125.00	2.00	91276	91308
	XL	63.00	16.00	125.00	2.50	91277	91309
	XL	63.00	16.00	125.00	3.00	91278	91310
20.00	SD	30.00	20.00	100.00	0.50	91350	91382
	SD	30.00	20.00	100.00	1.00	91351	91383
	SD	30.00	20.00	100.00	1.50	91352	91384
	SD	30.00	20.00	100.00	2.00	91353	91385
	SD	30.00	20.00	100.00	2.50	91354	91386
	SD	30.00	20.00	100.00	3.00	91355	91387
	SD	40.00	20.00	100.00	0.50	91947	91966
	SD	40.00	20.00	100.00	1.00	91948	91967
	SD	40.00	20.00	100.00	1.50	91949	91968
	SD	40.00	20.00	100.00	2.00	91950	91969
	SD	40.00	20.00	100.00	2.50	91951	91970
	SD	40.00	20.00	100.00	3.00	91952	91971
	XL	63.00	20.00	125.00	0.50	91279	91311
	XL	63.00	20.00	125.00	1.00	91280	91312
	XL	63.00	20.00	125.00	1.50	91281	91313
	XL	63.00	20.00	125.00	2.00	91282	91314
	XL	63.00	20.00	125.00	2.50	91283	91315
	XL	63.00	20.00	125.00	3.00	91284	91316

CORNER RADIUS

4 FLUTES

CENTER CUTTING

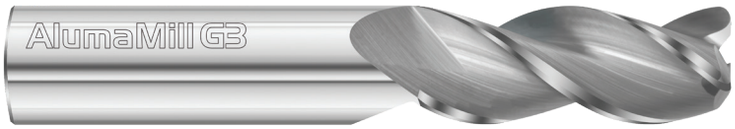
STB SD XL LENGTHS

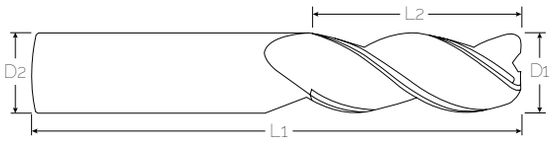
UNCOATED
TIALN
COATING

3833 / AP AlumaMill G3 - Corner Radius - 3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill G3





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 37.5˚ Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

3 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

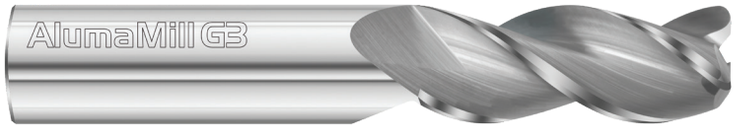
UNCOATED FC-5 COATING

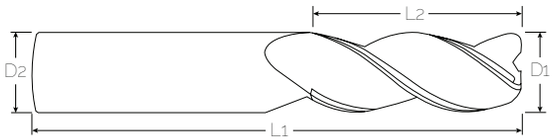
D1	Tool Style	L2	D2	L1	R	COATING	
						UC	FC 5
3.00	SD	6.00	3.00	38.00	0.30	27138	27139
	SD	12.00	3.00	50.00	0.30	27142	27143
	SD	12.00	3.00	50.00	0.50	27930	
	SD	12.00	3.00	50.00	1.00	27931	
	SD	20.00	3.00	50.00	0.30	27148	27149
4.00	STB	8.00	4.00	50.00	0.30		27167
4.00	SD	8.00	4.00	50.01	0.30	27166	
	SD	12.00	4.00	50.00	0.50	27170	27171
	SD	12.00	4.00	50.00	1.00	27946	27947
	SD	16.00	4.00	50.00	0.50	27174	27175
5.00	STB	13.00	5.00	51.00	0.50	27197	27198
	STB	13.00	5.00	51.00	0.75	27199	27200
	SD	20.00	5.00	64.00	0.50	27203	27204
	SD	20.00	5.00	64.00	0.75	27205	27206
	SD	20.00	5.00	64.00	1.00	27932	
6.00	SD	13.00	6.00	58.00	0.50	27209	27210
	SD	13.00	6.00	58.00	0.75	27211	27212
	SD	25.00	6.00	64.00	0.50	27221	27222
	SD	25.00	6.00	64.00	0.75	27223	27224
	SD	25.00	6.00	64.00	1.00	27933	
	SD	25.00	6.00	64.00	1.50	27934	
	SD	25.00	6.00	64.00	2.00	27935	
	XL	50.00	6.00	100.00	0.50	27227	27228
	XL	50.00	6.00	100.00	0.75	27229	27230
8.00	SD	16.00	8.00	64.00	0.50	27321	27322
	SD	16.00	8.00	64.00	0.75	27323	27324
	SD	25.00	8.00	64.00	0.50	27333	27334
	SD	25.00	8.00	64.00	1.00	27335	27336
	SD	25.00	8.00	64.00	2.00	27937	
	XL	50.00	8.00	100.00	0.50	27339	27340
	XL	50.00	8.00	100.00	1.00	27341	27342

3833 /AP AlumaMill G3 - Corner Radius -3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill G3





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 37.5˚ Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

3 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

UNCOATED FC-5 COATING

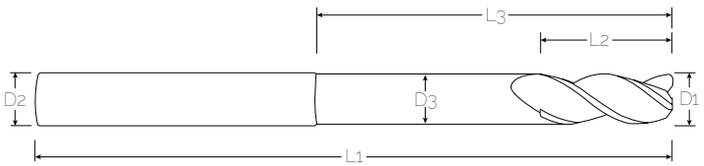
D1	Tool Style	L2	D2	L1	R	COATING	
						UC	FC 5
10.00	STB	15.00	10.00	64.00	0.50	27379	27380
	STB	15.00	10.00	64.00	1.00	27381	27382
	STB	15.00	10.00	64.00	1.50	27383	27384
	SD	26.00	10.00	64.00	0.50	27395	27396
	SD	26.00	10.00	64.00	1.00	27397	27398
	SD	26.00	10.00	64.00	1.50	27399	27400
	SD	27.00	10.00	64.00	2.00	27938	
	SD	27.00	10.00	64.00	2.50	27939	
	SD	27.00	10.00	64.00	3.00	27940	
	XL	50.00	10.00	100.00	0.50	27403	27404
	XL	50.00	10.00	100.00	1.50	27407	27408
12.00	SD	20.00	12.00	76.00	0.50	27437	27438
	SD	20.00	12.00	76.00	1.00	27439	27440
	SD	30.00	12.00	84.00	0.50	27453	27454
	SD	30.00	12.00	84.00	1.00	27455	27456
	SD	30.00	12.00	84.00	1.50	27457	27458
	SD	30.00	12.00	84.00	2.00	27941	
	SD	30.00	12.00	84.00	2.50	27942	
	SD	30.00	12.00	84.00	3.00	27943	
	XL	50.00	12.00	100.00	0.50	27461	27462
	XL	50.00	12.00	100.00	1.50	27465	27466
14.00	SD	30.00	14.00	84.00	1.50	27587	27588
	SD	30.00	14.00	84.00	2.50	27591	27592
	SD	30.00	14.00	84.00	3.00	27593	27594
	XL	57.00	14.00	125.00	1.00	27597	27598
16.00	STB	30.00	16.00	89.00	0.50	27655	27656
	STB	30.00	16.00	89.00	1.00	27657	27658
	STB	30.00	16.00	89.00	1.50	27659	27660
	SD	41.00	16.00	89.00	0.50	27944	
	SD	41.00	16.00	89.00	1.00	27675	27676
	SD	41.00	16.00	89.00	1.50	27677	27678
	SD	41.00	16.00	89.00	2.00	27679	27680
	SD	41.00	16.00	89.00	2.50	27681	27682
	SD	41.00	16.00	89.00	3.00	27683	27684
20.00	SD	30.00	20.00	100.00	0.50	27761	27762
	SD	44.00	20.00	100.00	1.00	27781	27782
	SD	44.00	20.00	100.00	1.50	27783	27784
	SD	44.00	20.00	100.00	2.00	27785	27786
25.00	SD	45.00	25.00	100.00	3.00	27835	27836
	XL	63.00	25.00	150.00	1.00	27839	27840
	XL	63.00	25.00	150.00	1.50	27841	27842

3833 / AP AlumaMill G3 - Corner Radius - Long Reach - 3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill G3





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 37.5˚ Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

3 FLUTES

CENTER CUTTING

LR LONG REACH

UNCOATED / FC-5 COATING

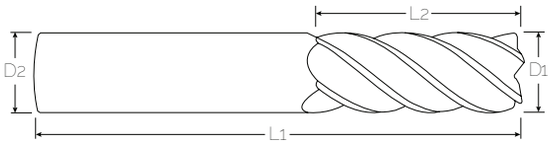
D1	Tool Style	L2	D2	L1	L3	D3	R	COATING	
								UC	FC 5
6.00	LR	20.00	6.00	100.00	50.00	5.75	0.50	27215	27216
	LR	20.00	6.00	100.00	50.00	5.75	1.00	27955	
	LR	20.00	6.00	100.00	50.00	5.75	2.00	27945	
8.00	LR	20.00	8.00	100.00	50.00	7.70	0.50	27327	27328
	LR	20.00	8.00	100.00	50.00	7.70	1.00	27329	27330
10.00	LR	26.00	10.00	100.00	57.00	9.60	0.50	27387	27388
	LR	26.00	10.00	100.00	57.00	9.60	1.00	27389	27390
10.00	LR	26.00	10.00	100.00	57.00	9.60	2.00	27948	27949
12.00	LR	25.00	12.00	100.00	57.00	11.60	0.50	27445	27446
	LR	25.00	12.00	100.00	57.00	11.60	1.00	27447	27448
	LR	25.00	12.00	100.00	57.00	11.60	2.00	27958	
16.00	LR	30.00	16.00	150.00	89.00	15.34	0.50	27663	27664
	LR	30.00	16.00	150.00	89.00	15.34	1.50		27668
	LR	30.00	16.00	150.00	89.00	15.34	1.50	27667	
	LR	30.00	16.00	150.00	89.00	15.34	2.00		27670
	LR	30.00	16.00	150.00	89.00	19.35	2.00	27669	
	LR	30.00	16.00	150.00	89.00	15.34	3.00		27672
	LR	30.00	16.00	150.00	89.00	24.00	3.00	27671	
20.00	LR	38.00	20.00	150.00	89.00	19.35	1.00	27769	27770
	LR	38.00	20.00	150.00	89.00	19.35	2.00	27773	27774
	LR	38.00	20.00	150.00	89.00	19.35	2.50	27775	27776
	LR	38.00	20.00	150.00	89.00	19.35	3.00	27777	27778
25.00	LR	38.00	25.00	150.00	89.00	24.00	1.00	27815	
	LR	38.00	25.00	150.00	89.00	24.00	1.00		27816
	LR	38.00	25.00	150.00	89.00	24.00	3.00	27823	
	LR	38.00	25.00	150.00	89.00	24.00	3.00		27824

3412 / AP Fantom 2.0 - Corner Radius - 5 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ Cast Iron

FANTOM 2.0





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- 5 Individually Designed Flutes
  - Eccentric Relief
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

5 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

FC-20 COATING

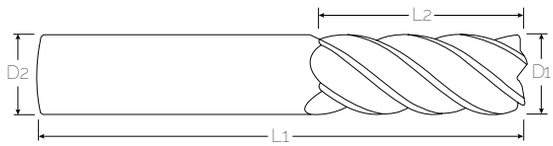
D1	Tool Style	L2	D2	L1	R	COATING FC 20
3.00	SD	6.00	3.00	38.00	0.20	37506
	SD	12.00	3.00	38.00	0.20	37508
4.00	STB	8.00	4.00	50.00	0.20	37509
	STB	8.00	4.00	50.00	0.30	37511
	SD	14.00	4.00	50.00	0.20	37513
	SD	14.00	4.00	50.00	0.30	37514
5.00	STB	10.00	5.00	51.00	0.20	37516
	STB	10.00	5.00	51.00	0.30	37517
	STB	10.00	5.00	51.00	0.50	37518
	SD	16.00	5.00	64.00	0.20	37520
	SD	16.00	5.00	64.00	0.30	37521
6.00	STB	10.00	6.00	50.00	0.25	37524
	STB	10.00	6.00	50.00	0.30	37525
	STB	10.00	6.00	50.00	0.40	37526
	STB	10.00	6.00	50.00	1.50	37530
	SD	20.00	6.00	64.00	0.30	37532
	SD	20.00	6.00	76.00	0.30	37534
	SD	20.00	6.00	76.00	0.50	37536
	SD	20.00	6.00	76.00	1.00	37538
8.00	STB	12.00	8.00	50.00	0.30	37559
	STB	12.00	8.00	50.00	0.50	37561
	STB	12.00	8.00	50.00	1.00	37563
	STB	12.00	8.00	50.00	2.00	37565
	SD	22.00	8.00	64.00	0.50	37567
	SD	22.00	8.00	76.00	0.30	37569
	SD	22.00	8.00	76.00	0.50	37571

3412 / AP Fantom 2.0 - Corner Radius - 5 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ Cast Iron

FANTOM 2.0





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- 5 Individually Designed Flutes
  - Eccentric Relief
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

5 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

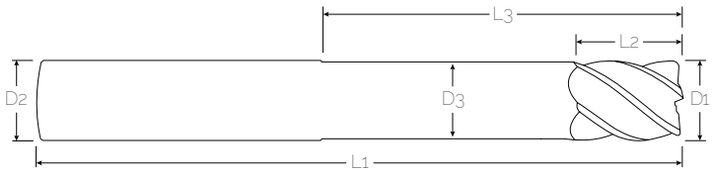
FC-20 COATING

D1	Tool Style	L2	D2	L1	R	COATING FC 20
8.00	SD	22.00	8.00	76.00	0.75	37572
	SD	22.00	8.00	76.00	1.00	37573
	SD	22.00	8.00	76.00	2.00	37575
10.00	STB	12.00	10.00	50.00	0.50	37592
	STB	12.00	10.00	50.00	2.00	37596
	SD	25.00	10.00	64.00	0.50	37598
	SD	25.00	10.00	89.00	0.50	37600
	SD	25.00	10.00	89.00	1.00	37602
	SD	25.00	10.00	89.00	2.00	37604
12.00	STB	16.00	12.00	63.00	0.50	37613
	STB	16.00	12.00	63.00	1.00	37615
	STB	16.00	12.00	63.00	1.50	37616
	STB	16.00	12.00	63.00	2.00	37617
	STB	16.00	12.00	63.00	3.00	37618
	SD	25.00	12.00	76.00	0.50	37620
	SD	25.00	12.00	100.00	0.50	37622
	SD	25.00	12.00	100.00	0.75	37623
	SD	25.00	12.00	100.00	1.00	37624
	SD	25.00	12.00	100.00	1.50	37625
	SD	25.00	12.00	100.00	2.00	37626
	SD	25.00	12.00	100.00	3.00	37627
16.00	STB	20.00	16.00	89.00	0.50	37676
	SD	38.00	16.00	100.00	0.50	37683
	SD	38.00	16.00	100.00	2.00	37687
	SD	38.00	16.00	100.00	3.00	37688
20.00	SD	38.00	20.00	100.00	1.00	37721
	SD	63.00	20.00	125.00	0.75	37727
25.00	SD	38.00	25.00	100.00	0.50	37733

3412 / AP Fantom 2.0 - Corner Radius - Long Reach - 5 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ Cast Iron





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- 5 Individually Designed Flutes
  - Eccentric Relief
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

5 FLUTES

CENTER CUTTING

LR LONG REACH

FC-20 COATING

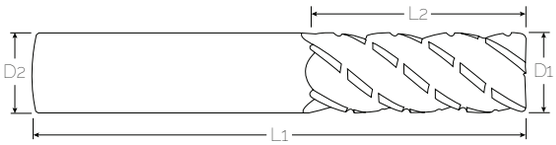
D1	L2	D2	L1	L3	D3	R	COATING FC 20
3.00	4.00	3.00	50.00	10.00	2.87	0.25	37758
	4.00	3.00	50.00	12.00	2.87	0.25	37759
6.00	10.00	6.00	100.00	54.00	5.75	1.50	37790
8.00	27.00	8.00	76.00	35.00	7.75	1.00	37805
10.00	12.00	10.00	150.00	105.00	9.60	0.50	37833
	20.00	10.00	100.00	54.00	9.60	0.50	37840
12.00	16.00	12.00	150.00	105.00	11.60	0.75	37850
	20.00	12.00	100.00	54.00	11.60	0.50	37857
16.00	20.00	16.00	100.00	41.00	15.34	0.75	37890
	20.00	16.00	150.00	89.00	15.34	0.50	37894
20.00	20.00	20.00	150.00	89.00	19.35	1.00	37932
25.00	32.00	25.00	100.00	57.00	24.00	0.75	37953
	32.00	25.00	150.00	67.00	24.00	3.00	37967

3415 / AP Fantom Vicor - Corner Radius - 5 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ Cast Iron

FANTOM 2.0 VICOR





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- 5 Individually Designed Flutes
  - Eccentric Relief
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

5
FLUTES

CENTER CUTTING

SD XL
LENGTHS

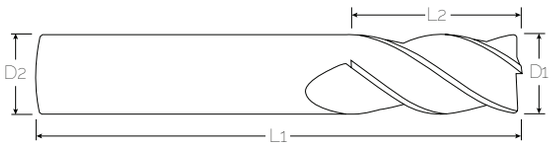
FC-20
COATING

D1	Tool Style	L2	D2	L1	R	COATING
						FC 20
12.00	SD	25.00	12.00	100.00	1.00	34878
16.00	SD	38.00	16.00	100.00	3.00	34883

3500 / AP Fury - Corner Radius - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ High Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - Variable Helix
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

4 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

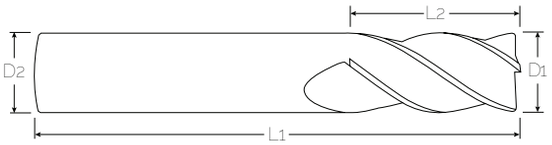
FC-20 COATING

D1	Tool Style	L2	D2	L1	R	Weldon Flat	COATING FC 20
3.00	STB	6.00	3.00	38.00	0.25		35093
	STB	6.00	3.00	38.00	0.50		35144
	SD	10.00	3.00	38.00	0.25		35094
	SD	10.00	3.00	38.00	0.50		35145
4.00	STB	8.00	4.00	50.00	0.25		35099
	SD	12.00	4.00	50.00	0.25		35100
	SD	12.00	4.00	50.00	0.50		35151
5.00	STB	10.00	5.00	51.00	0.25		35562
	STB	10.00	5.00	51.00	0.50		35563
	SD	16.00	5.00	64.00	0.25		35567
	SD	16.00	5.00	64.00	1.00		35570
	SD	16.00	5.00	64.00	1.50		35571
6.00	STB	10.00	6.00	50.00	0.25		35105
	STB	10.00	6.00	50.00	0.50		35156
	STB	10.00	6.00	50.00	1.00		35261
	STB	10.00	6.00	50.00	1.50		35300
	SD	12.00	6.00	64.00	0.25		35106
	SD	12.00	6.00	64.00	0.50		35157
	SD	12.00	6.00	64.00	1.50		35301
	SD	20.00	6.00	64.00	0.25		35107
6.00	SD	20.00	6.00	64.00	0.50		35158
	SD	20.00	6.00	64.00	1.50		35302
8.00	STB	12.00	8.00	50.00	0.25		35118
	STB	12.00	8.00	50.00	0.50		35169
	STB	12.00	8.00	50.00	1.00		35266
	SD	20.00	8.00	64.00	0.25		35119
	SD	20.00	8.00	64.00	0.50		35170
	SD	20.00	8.00	64.00	1.00		35267
	SD	20.00	8.00	64.00	1.50		35314
	XL	25.00	8.00	76.00	0.25		35120
	XL	25.00	8.00	76.00	0.50		35171
	XL	25.00	8.00	76.00	0.75		35216
	XL	25.00	8.00	76.00	1.50		35315

3500 / AP Fury - Corner Radius - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ High Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - Variable Helix
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

D1	Tool Style	L2	D2	L1	R	Weldon Flat	COATING FC 20
10.00	STB	12.00	10.00	50.00	0.25		35126
	STB	12.00	10.00	50.00	2.00		35386
	SD	25.00	10.00	64.00	0.25		35127
	SD	25.00	10.00	64.00	0.50		35178
	SD	25.00	10.00	64.00	1.00		35270
	SD	25.00	10.00	64.00	2.00		35387
	SD	25.00	10.00	64.00	2.50		35447
	SD	32.00	10.00	76.00	0.25		35572
	SD	32.00	10.00	76.00	0.50		35179
	SD	32.00	10.00	76.00	0.75		35224
	XL	40.00	10.00	100.00	0.25		35129
	XL	40.00	10.00	100.00	1.50		35324
12.00	STB	14.00	12.00	63.00	0.25		35130
	STB	14.00	12.00	63.00	0.50		35181
	STB	14.00	12.00	63.00	1.00		35273
	STB	14.00	12.00	63.00	3.00		35477
	SD	26.00	12.00	84.00	0.25		35131
	SD	26.00	12.00	84.00	0.50		35182
	SD	26.00	12.00	84.00	0.75		35227
	SD	26.00	12.00	84.00	1.00		35274
	SD	26.00	12.00	84.00	3.00		35478
	SD	32.00	12.00	84.00	0.25		35133
	SD	32.00	12.00	84.00	0.50		35184
	SD	32.00	12.00	84.00	0.75		35229
	XL	40.00	12.00	100.00	3.00		35481
	XL	50.00	12.00	100.00	0.25		35135
	XL	50.00	12.00	100.00	2.00		35395
16.00	STB	20.00	16.00	89.00	1.00		35280
	SD	32.00	16.00	89.00	1.00		35281
	SD	40.00	16.00	89.00	1.00		35283
	XL	50.00	16.00	89.00	1.00		35284
	XL	50.00	16.00	89.00	2.00		35415
	XL	63.00	16.00	125.00	0.75		35252
20.00	STB	25.00	20.00	100.00	1.50		35360
	STB	25.00	20.00	100.00	2.00		35425
	SD	50.00	20.00	125.00	3.00		35515
	SD	60.00	20.00	125.00	1.50		35364
	SD	60.00	20.00	125.00	3.00		35516
	XL	75.00	20.00	150.00	1.50		35365

ADVANCED PERFORMANCE

CORNER RADIUS

4 FLUTES

CENTER CUTTING

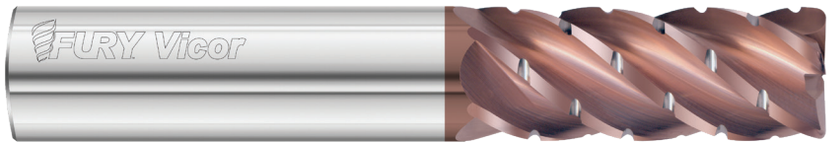
STB SD XL LENGTHS

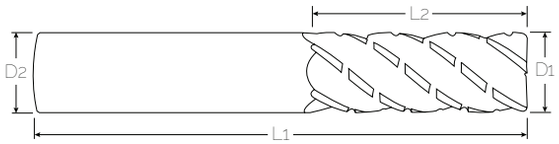
FC-20 COATING

3505 / AP Fury Vicor - Corner Radius - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ High Si Al

FURY Vicor





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - Variable Helix
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

4
FLUTES

CENTER CUTTING

STB SD XL
LENGTHS

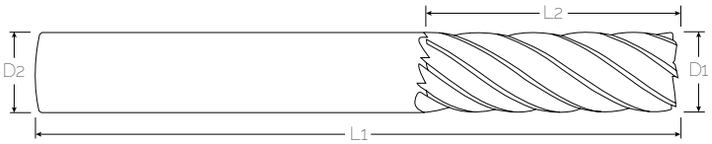
FC-20
COATING

D1	Tool Style	L2	D2	L1	R	COATING FC 20
8.00	STB	12.00	8.00	50.00	0.50	35601
10.00	SD	32.00	10.00	64.00	0.25	35603
12.00	SD	26.00	12.00	84.00	0.75	35604
20.00	STB	25.00	20.00	100.00	2.00	35610
	SD	60.00	20.00	125.00	1.50	35611

3600 / AP Force - Corner Radius - 5,7,9 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ Cast Iron ■ Plastics ■ Wood





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

5 7 9 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

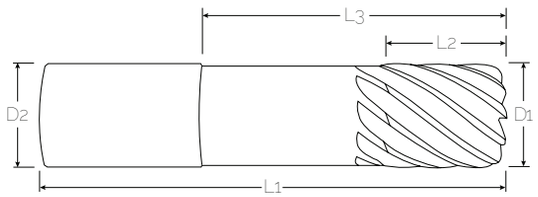
FC-20 COATING

D1	Tool Style	L2	D2	L1	R	FLUTES	COATING FC 20
6.00	SD	20.00	6.00	76.00	0.50	5	36281
	SD	20.00	6.00	76.00	1.00	5	36282
8.00	SD	22.00	8.00	76.00	0.50	7	36284
	SD	22.00	8.00	76.00	1.00	7	36285
	SD	30.00	8.00	76.00	0.50	7	36291
10.00	SD	20.00	10.00	64.00	0.50	7	36204
	SD	30.00	10.00	76.00	0.50	7	36205
12.00	STB	16.00	12.00	63.00	0.50	7	36286
	STB	16.00	12.00	63.00	1.00	7	36206
	STB	16.00	12.00	63.00	2.50	7	36287
	XL	36.00	12.00	100.00	0.50	7	36288
	XL	36.00	12.00	100.00	1.00	7	36207
16.00	STB	20.00	16.00	89.00	1.50	9	36218
	XL	48.00	16.00	125.00	1.50	9	36219
20.00	STB	25.00	20.00	100.00	1.50	9	36226
	STB	25.00	20.00	100.00	2.50	9	36227
	STB	25.00	20.00	100.00	3.00	9	36228
	SD	60.00	20.00	125.00	1.50	9	36229
	SD	60.00	20.00	125.00	2.50	9	36230
	SD	60.00	20.00	125.00	3.00	9	36231
25.00	SD	32.00	25.00	100.00	1.50	9	36232
	SD	32.00	25.00	100.00	2.50	9	36233
	SD	32.00	25.00	100.00	3.00	9	36234
	XL	75.00	25.00	150.00	1.50	9	36235
	XL	75.00	25.00	150.00	2.50	9	36236
	XL	75.00	25.00	150.00	3.00	9	36237

3810 / AP The Dream - Radius End - 8,10 Flutes

■ Titanium ■ Super Alloys





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Flute Count Varies by Diameter - Long Reach
  - Eccentric Relief
  - Right Hand Spiral
  - Right Hand Cut
- Necked Down
- Profiling Tool
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

VARY BY DIAMETER
FLUTES

CENTER CUTTING

LR
LONG REACH

UC
UNCOATED

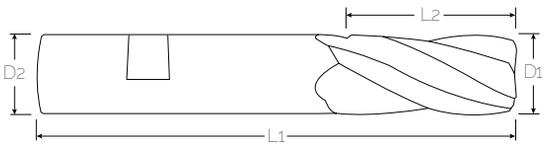
D1	Tool Style	L2	D2	L1	FLUTES	L3	D3	R	COATING	
									UC	FC 20
20.00	LR	28.00	20.00	100.00	8	63.00	19.22	3.00	38565	37494
25.00	LR	28.00	25.00	114.00	10	76.00	24.00	3.00	38567	37493

3995 / AP Hogger - Radius End - 3,4 Flutes

■ Titanium ■ Super Alloys ■ Stainless Steels ■ Steels
■ Cast Iron ■ Brass & Copper ■ High Si Al

Hogger





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0762mm

- Flute Count Varies by Diameter
  - 30˚ Helix
  - Sinusoidal Geometery (Corn Cob Cutters)
  - Form Relief
  - Fine Pitch
  - Right Hand Spiral
  - Right Hand Cut
- Weldon Flat Standard
- Dura Carb II (Advanced Micrograin Carbide)

ADVANCED PERFORMANCE

CORNER RADIUS

VARY BY DIAMETER
FLUTES

CENTER CUTTING

SD
STANDARD

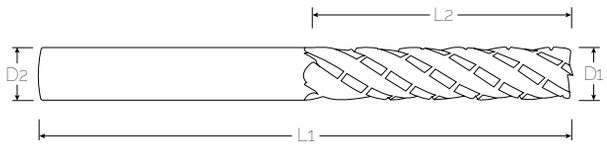
TIALN
COATING

D	L2	D2	L1	FLUTES	R	COATING
						TIALN
6.00	20.00	6.00	64.00	3	0.75	92508
8.00	20.00	8.00	64.00	3	1.00	92509
10.00	25.00	10.00	73.00	3	1.25	92510
12.00	25.00	12.00	84.00	4	1.50	92512
14.00	30.00	14.00	84.00	4	1.75	92513
16.00	30.00	16.00	89.00	4	2.00	92514
20.00	38.00	20.00	100.00	4	2.50	92515

5500 / AP MATRX - Corner Radius - 5 Flutes

■ Carbon Composites ■ Fiberglass ■ Fiber Reinforced
■ Plastics ■ Green Ceramics





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0762mm

- Geometry
  - Chipbreakers
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb III (Micrograin)

ADVANCED PERFORMANCE

CORNER RADIUS

5
FLUTES

CENTER CUTTING

SD XL
LENGTHS

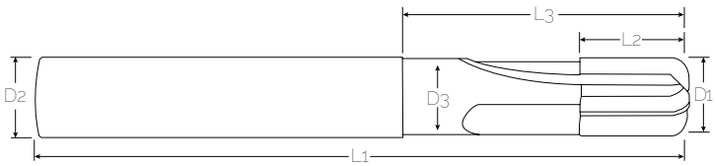
UNCOATED
FC-1
COATING

D1	Tool Style	L2	D2	L1	R	COATING	
						UC	FC 1
6.00	SD	18	6	64.00	0.25	25016	25041
	SD	36	6	76.50	0.25	25017	25042
8.00	SD	24	8	64.00	0.50	25018	25043
	SD	48	8	100.00	0.50	25019	25044
10.00	SD	30	10	76.00	1.00	25020	25045
	SD	60	10	100.00	1.00	25021	25046
12.00	SD	36	12	90.00	1.00	25022	25047
	SD	60	12	127.00	1.00	25023	25048

6300 / AP - PCD MATRX - Corner Radius - 3 Flutes

■ Carbon Composites ■ Fiberglass
■ Fiber Reinforced ■ Plastics ■ Green Ceramics





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.0508mm

- Geometry
  - Right Hand Cut
- Dura Carb (Micrograin)
- Polycrystalline Diamond

ADVANCED PERFORMANCE

D1	Tool Style	L2	D2	L1	L3	D3	R	COATING
								UC
6.00	LR	10.00	6.00	64.00	20.00	5.05	0.25	25606
	LR	20.00	6.00	76.00	38.00	5.05	0.25	25607
10.00	LR	10.00	10.00	64.00	20.00	6.73	0.25	25608
	LR	20.00	10.00	100.00	38.00	6.73	0.25	25609
12.00	LR	12.00	12.00	90.00	25.00	10.08	0.25	25610
	LR	25.00	12.00	115.00	50.00	10.08	0.25	25611

CORNER RADIUS

3 FLUTES

LR LONG REACH

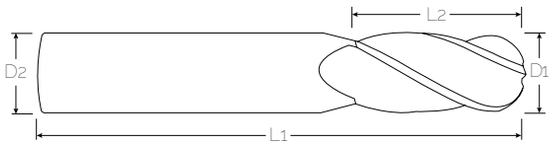
UC UNCOATED

Fullerton Tool can alter radius size to a larger radius if needed.
Please contact Customer Service for price and delivery.

3200 / Universal End Mill - Ball End - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels ■ Stainless Steels
■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

BALL NOSE

4
FLUTES

CENTER CUTTING

STB SD XL
LENGTHS

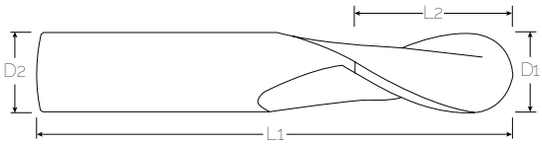
UNCOATED
TIN
TIALN
TICN
COATING

D1	Tool Style	L2	D2	L1	COATING			
					UC	TIALN	TICN	TIN
1.00	SD	4.00	3.00	38.00	92019	92265		
1.50	SD	6.00	3.00	38.00	92020	92266		
2.00	SD	4.00	3.00	38.00	92109	92329		
	SD	8.00	3.00	38.00	92021	92267		
2.50	SD	12.00	3.00	38.00	92023	92268		
3.00	STB	6.00	3.00	38.00	92110	92287		
	SD	12.00	3.00	38.00	92024	92269		
	XL	25.00	3.00	76.00	92130	92292		
3.50	SD	12.00	4.00	50.00	92074	92270		
4.00	SD	14.00	4.00	50.00	92025	92271		
4.50	SD	14.00	5.00	51.00	92076	92272		
5.00	SD	16.00	5.00	64.00	92026	92273		
6.00	STB	12.00	6.00	50.00	92112	92288		
	SD	20.00	6.00	64.00	92027	92274		
	XL	29.00	6.00	76.00	92132	92293		
7.00	SD	22.00	7.00	64.00	92028	92275		
8.00	STB	12.00	8.00	50.00	92114	92289		
	SD	22.00	8.00	64.00	92029	92276		
	XL	29.00	8.00	76.00	92134	92294		
9.00	SD	22.00	9.00	64.00	92030	92277		
10.00	STB	15.00	10.00	50.00	92116	92290		
	SD	25.00	10.00	64.00	92031	92278		
	XL	45.00	10.00	100.00	92136	92295		
11.00	SD	25.00	11.00	84.00	92078	92279		
12.00	STB	15.00	12.00	63.00	92118	92291		
	SD	25.00	12.00	84.00	92032	92280		
	XL	50.00	12.00	100.00	92138	92296		
14.00	SD	32.00	14.00	84.00	92033	92281		
16.00	SD	38.00	16.00	89.00	92034	92282		
	XL	63.00	16.00	125.00	92139	92184		
18.00	SD	40.00	18.00	100.00	92035	92283		
20.00	SD	40.00	20.00	100.00	92036	92284		
	XL	63.00	20.00	125.00	92141	92185		
22.00	SD	40.00	22.00	100.00	92080	92285		
25.00	SD	40.00	25.00	100.00	92082	92286		

3215 / Universal End Mill - Ball End - 2 Flutes

■ Titanium ■ High Temp Alloys ■ Stainless Steels
■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- 2 Flutes
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

BALL NOSE

2
FLUTES

CENTER CUTTING

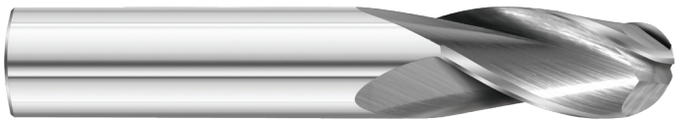
STB SD XL
LENGTHS

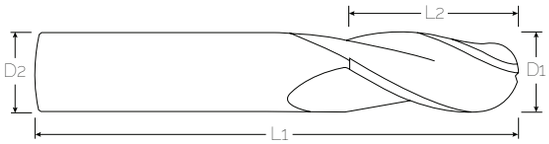
UNCOATED
TIN
TIALN
TICN
COATING

D1	Tool Style	L2	D2	L1	COATING			
					UC	TIALN	TICN	TIN
1.00	SD	4.00	3.00	38.00	92055	92297		
1.50	SD	6.00	3.00	38.00	92056	92298		
2.00	SD	8.00	3.00	38.00	92057	92299		
2.50	SD	12.00	3.00	38.00	92059	92300		
3.00	STB	6.00	3.00	38.00	92150			
	SD	12.00	3.00	38.00	92060	92301		
	XL	25.00	3.00	76.00	92170			
3.50	SD	12.00	4.00	50.00	92084	92302		
4.00	SD	14.00	4.00	50.00	92061	92303		
4.50	SD	14.00	5.00	51.00	92086	92304		
5.00	SD	16.00	5.00	64.00	92062	92305		
6.00	STB	12.00	6.00	50.00	92152			
	SD	20.00	6.00	64.00	92063	92306		
	XL	29.00	6.00	76.00	92172			
7.00	SD	22.00	7.00	64.00	92064	92307		
8.00	STB	12.00	8.00	50.00	92154			
	SD	22.00	8.00	64.00	92065	92308		
	XL	29.00	8.00	76.00	92174			
9.00	SD	22.00	9.00	64.00	92066	92309		
10.00	STB	15.00	10.00	50.00	92156			
	SD	25.00	10.00	64.00	92067	92310		
	XL	45.00	10.00	100.00	92176			
11.00	SD	25.00	11.00	84.00	92088	92311		
12.00	STB	15.00	12.00	63.00	92158			
	SD	25.00	12.00	84.00	92068	92312		
	XL	50.00	12.00	100.00	92178			
14.00	SD	32.00	14.00	84.00	92069	92313		
16.00	SD	38.00	16.00	89.00	92070	92314		
	XL	63.00	16.00	125.00	92173			
18.00	SD	40.00	18.00	100.00	92071	92315		
20.00	SD	40.00	20.00	100.00	92072	92316		
	XL	63.00	20.00	125.00	92175			
22.00	SD	40.00	22.00	100.00	92090	92317		
25.00	SD	40.00	25.00	100.00	92092	92318		

3300 / Universal End Mill - Ball End - 3 Flutes

■ Titanium ■ High Temp Alloys ■ Stainless Steels ■ Steels
■ Cast Iron ■ Brass & Copper ■ High Si Al ■ Low Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - 30˚ Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

BALL NOSE

3
FLUTES

CENTER CUTTING

SD XL
LENGTHS

UNCOATED
TIN
TIALN
TICN
COATING

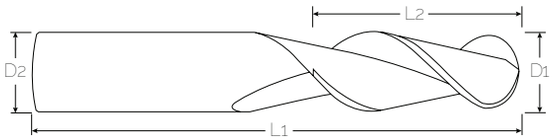
D1	Tool Style	L2	D2	L1	COATING			
					UC	TIALN	TICN	TIN
1.00	SD	4.00	3.00	38.00	92370	92390		
1.50	SD	6.00	3.00	38.00	92371	92391		
2.00	SD	9.00	3.00	38.00	92372	92392		
2.50	SD	12.00	3.00	38.00	92373	92393		
3.00	SD	12.00	3.00	38.00	92374	92394		
3.50	SD	12.00	4.00	50.00	92375	92395		
4.00	SD	14.00	4.00	50.00	92376	92396		
4.50	SD	14.00	5.00	51.00	92377	92397		
5.00	SD	16.00	5.00	64.00	92378	92398		
6.00	SD	20.00	6.00	64.00	92379	92399		
7.00	SD	22.00	7.00	64.00	92380	92400		
8.00	SD	22.00	8.00	64.00	92381	92401		
9.00	SD	22.00	9.00	64.00	92382	92402		
10.00	SD	25.00	10.00	64.00	92383	92403		
12.00	SD	25.00	12.00	84.00	92384	92404		
14.00	SD	32.00	14.00	84.00	92385	92405		
16.00	SD	38.00	16.00	89.00	92386	92406		
18.00	SD	40.00	18.00	100.00	92387	92407		
20.00	SD	40.00	18.00	100.00	92388	92408		
25.00	SD	40.00	25.00	100.00	92389	92409		

3825 / AP AlumaMill - Ball End - 2 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill™





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 45˚ High Helix
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

BALL NOSE

2 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

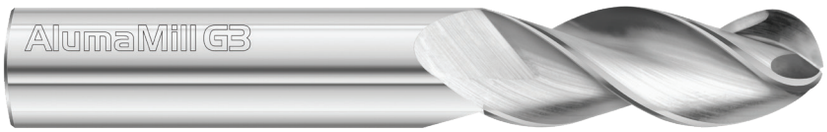
UNCOATED FC-19 COATING

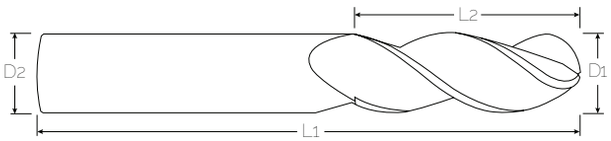
D1	Tool Style	L2	D2	L1	COATING	
					UC	FC 19
3.00	SD	12.00	3.00	38.00	92800	
4.00	SD	16.00	4.00	50.00	92801	
5.00	SD	16.00	5.00	50.00	92802	
6.00	SD	16.00	6.00	64.00	92803	
8.00	SD	20.00	8.00	64.00	92804	
10.00	SD	25.00	10.00	64.00	92805	
12.00	SD	32.00	12.00	84.00	92806	

3833 / AP AlumaMill G3 - Ball End -3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill G3





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 37.5˚ Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

BALL NOSE

3 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

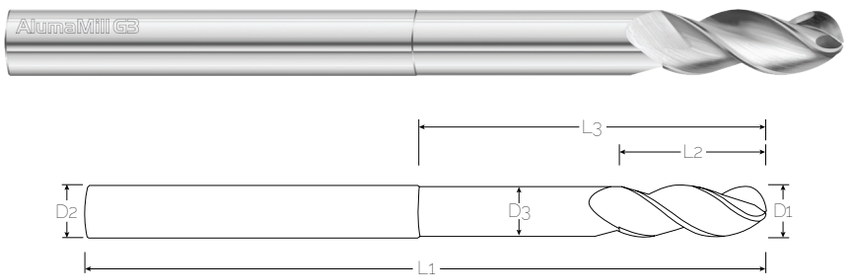
UNCOATED FC-5 COATING

D1	Tool Style	L2	D2	L1	COATING	
					UC	FC 5
3.00	STB	6.00	3.00	38.00	27140	27141
	SD	12.00	3.00	50.00	27144	27145
	SD	20.00	3.00	50.00	27150	27151
4.00	STN	8.00	4.00	50.00	27168	27169
	SD	12.00	4.00	50.00	27172	27173
	SD	16.00	4.00	50.00	27176	27177
5.00	STB	13.00	5.00	51.00	27201	27202
	SD	20.00	5.00	64.00	27207	27208
6.00	STB	13.00	6.00	58.00	27213	27214
	SD	25.00	6.00	64.00	27225	27226
	XL	50.00	6.00	100.00	27231	27232
7.00	SD	25.00	7.00	64.00	27281	27282
8.00	STB	16.00	8.00	64.00	27325	27326
	SD	25.00	8.00	64.00	27337	27338
	XL	50.00	8.00	100.00	27343	27344
10.00	STB	15.00	10.00	64.00	27385	27386
	SD	26.00	10.00	64.00	27401	27402
	XL	50.00	10.00	100.00	27409	27410
12.00	STB	20.00	12.00	76.00	27443	27444
	SD	30.00	12.00	84.00	27459	27460
	XL	50.00	12.00	100.00	27467	27468
14.00	SD	20.00	14.00	76.00	27583	27584
	SD	30.00	14.00	84.00	27595	27596
16.00	STB	30.00	16.00	89.00	27661	27662
	SD	41.00	16.00	89.00	27685	27686
	XL	63.00	16.00	150.00	27697	27698
20.00	SD	30.00	20.00	100.00	27767	27768
	SD	44.00	20.00	100.00	27791	27792
	XL	63.00	20.00	150.00	27803	27804
25.00	SD	45.00	25.00	100.00	27837	27838

3833 / AP AlumaMill G3 - Ball End - Long Reach - 3 Flutes

■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics

AlumaMill G3



Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.000mm -0.013mm

- Geometry
  - 37.5˚ Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

BALL NOSE

3
FLUTES

CENTER CUTTING

LR
LONG REACH

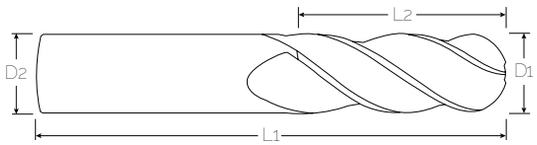
UNCOATED
FC-5
COATING

D1	Tool Style	L2	D2	L1	L3	D3	COATING	
							UC	FC 5
6.00	LR	20.00	6.00	100.00	50.00	5.75	27219	27220
8.00	LR	20.00	8.00	100.00	50.00	7.70	27331	27332
10.00	LR	26.00	10.00	100.00	57.00	9.60	27393	27394
12.00	LR	25.00	12.00	100.00	57.00	11.60	27451	27452
16.00	LR	30.00	16.00	150.00	89.00	15.34	27673	27674
20.00	LR	38.00	20.00	150.00	89.00	19.35	27779	
25.00	LR	38.00	25.00	150.00	89.00	24.00	27825	27826

3500 / AP Fury - Ball End - 4 Flutes

■ Titanium ■ High Temp Alloys ■ Hardened Steels
■ Stainless Steels ■ Steels ■ High Si Al





Tolerance:
Shank Diameter: h6
Cutter Diameter: +0.00mm -0.0508mm

- Geometry
  - Variable Helix
  - Variable Index
  - Right Hand Spiral
  - Right Hand Cut
- Dura Carb (Premium Micrograin Carbide)

ADVANCED PERFORMANCE

BALL NOSE

4 FLUTES

CENTER CUTTING

STB SD XL LENGTHS

FC-20 COATING

D1	Tool Style	L2	D2	L1	COATING FC 20
3.00	STB	6.00	3.00	38.00	35000
	SD	10.00	3.00	38.00	35001
4.00	STB	8.00	4.00	50.00	35006
	SD	12.00	4.00	50.00	35007
5.00	STB	10.00	5.00	51.00	35561
	SD	16.00	5.00	64.00	35566
6.00	SD	12.00	6.00	64.00	35013
	SD	20.00	6.00	64.00	35014
	XL	24.00	6.00	76.00	35015
8.00	SD	20.00	8.00	64.00	35026
	XL	25.00	8.00	76.00	35027
	XL	32.00	8.00	100.00	35573
10.00	STB	12.00	10.00	50.00	35033
	SD	25.00	10.00	64.00	35034
	XL	40.00	10.00	100.00	35036
12.00	STB	14.00	12.00	63.00	35037
	SD	26.00	12.00	84.00	35038
	SD	32.00	12.00	84.00	35040
	XL	40.00	12.00	100.00	35041
	XL	50.00	12.00	100.00	35042
16.00	STB	20.00	16.00	89.00	35058

Haimer Safe-Lock





Fullerton's end mills are now available with the HAIMER Safe-Lock System to help improve your productivity and profits. The unique Safe-Lock design in cutting tools and tool holders combines high precision shrink fit clamping with a positive form locking mechanism. This prevents round cutting tools from being rotated or completely pulled out from tool holders during heavy machining.

Benefits of the Safe-Lock System

- For high and advanced performance cutting
- Highly accurate clamping due to shrink fit technology
- High torque due to form closed clamping
- No loss of accuracy
- No pull out of the tool
- No spinning of the tool
- No damages on work piece or machine
- Groove on tool shank is directed so that tool will be pulled into the chuck

*Not available for distribution in the UK and Europe.

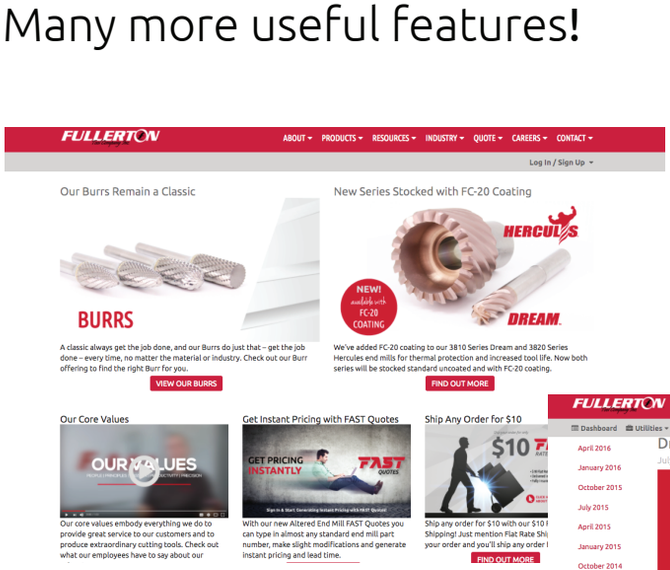
Improve productivity and profits with the Haimer Safe-Lock System.

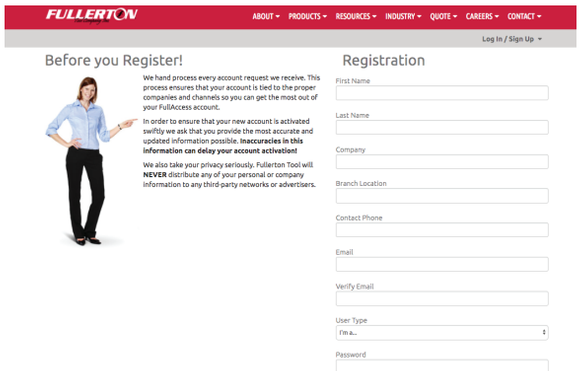
Contact our Customer Service department at sales@fullertontool.com or 800.248.8315.

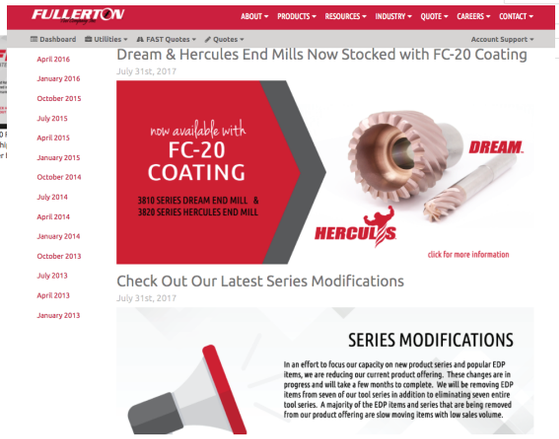
REGISTER FOR OUR WEBSITE

BENEFITS OF SIGNING UP:

- Ability to look up tool stock with our Live Inventory System.
- Gain access to our Web Quote Forms.
- Check Shipments.
- Access our FAST Quote System for instant pricing.
- Live Chat with our Customer Service Representatives.
- Periodic notifications for pricing, new product releases, and other Fullerton Tool related materials.
- Many more useful features!







HOW TO SIGN UP:

1. Go to fullertontool.com.
2. Click on Log In/Sign Up.
3. Click on Sign Up Now.
4. Fill out all applicable information.
5. Click Submit Form.
6. May take up to 24 hours to receive confirmation email.
7. Once confirmation email is received, begin exploring!

ISO Certification

We have been making high quality carbide cutting tools since we opened our doors in 1942 and we are going to keep that high quality for years to come as we are now an ISO-9001:2008 certified company for the manufacturing and distribution of carbide and PCD cutting tools.

International Policy (Terms & Conditions)

SALES POLICY: We support the value-added services of our partners in industrial distribution. Our products are exclusively sold through selected, authorized industrial distributors that meet our high standards of business ethics and customer service capabilities.

CANCELLATIONS: Cancellations of orders for "standard catalog product" can be made at no charge, providing the tools have not been shipped and we have not incurred labor expense to finish to a specific size or altered standard markings or packaging. A cancellation fee will be charged in proportion to the amount of the cost accumulated on the order prior to cancellation.

CUSTOMER ALTERATIONS: Fullerton Tool Company cannot be responsible for the performance of or compliance to specifications, nor can we accept, for return, any tool that has been altered in any way by our customers. This includes surface treatments, coatings, flats, tangs, markings, or any geometry alterations.

OVER, UNDER AND EXACT SHIPMENTS: Unless your order specifies no over shipments, no under shipments or exact quantities required, Fullerton's policy follows standard industry practice on altered standard and special orders which is to start +10% over the quantity ordered. We will ship and bill the quantity completed which could be as much as 10% over or 10% under the quantity ordered. On quantities from 1 piece to 9 pieces, our standard shipping tolerance is plus or minus 1 piece. Orders for special tooling that specify "no over and no under shipments" (exact quantities) are subject to a premium charge. Orders for special tooling that specify "no over shipments" can ship as much as 20% below the order quantity and if less than 10 pieces, up to 2 below the order quantity. Orders for special tooling that specify "no under shipments" can ship as much as 20% above the order quantity and if less than 10 pieces, up to 2 above the order quantity.

PRODUCT WARRANTY: We guarantee our products will conform to the specifications listed on customer blueprints, orders, and quotation requests. Dimensions, specifications, and tolerances not listed will be furnished to the current Fullerton Tool Company manufacturing standards. Our warranty is limited to the repair, replacement, or full credit for the tools found not to be within specifications, at our option. Claims must be reported within 5 days of receipt of shipment. Merchandise and damaged package must be retained for possible inspection by carrier.

TOOL COATINGS: Specifications may change without prior notice. Fullerton is not responsible for any tool coating selection and variations in performance, color and tool life. CVD coated are excluded from any product warranty. Tool coatings performed after the point of sale shall be deemed as "alterations" and thus be excluded from any warranty as well.

SPECIAL TOOLS: Special tools must be purchased with a written, non-cancelable purchase order. Special tools are excluded from any credit or inventory exchange. All sales are final. Special payment terms may apply and will be specifically indicated in our quotation.

RETURNED STANDARD TOOLS: Always contact our customer service department to obtain a "returned goods authorization number" (RGA) prior to returning any material. Fullerton Tool Company will allow a single return of a customer's "slow moving inventory" of standard catalog product once per year. When the return is accompanied by a stock replacement order of equal or greater value, we will issue full credit for the returned product. If the returned product is not accompanied by a stock replacement order, a 20% restocking charge will apply. All products returned must be within 1 year of manufacturing date, in non-altered, clean resalable condition and in original packaging. We cannot accept any product that has been discontinued or in quantities that are unusually large compared to Fullerton's average sales for any item, or any decimal size end mills, reamers and saws.