



METRIC SOLID CARBIDE DRILLS

Contact Us:

+1.989.799.4550

sales@fullertontool.com

fullertontool.com

YOUR TOTAL ROUND TOOL SOLUTIONS COMPANY

About Fullerton

Fullerton Tool Company is a third-generation, family-owned business that specializes in the design and production of solid carbide cutting tools for a wide variety of industries. Founded in 1942, the company manufactures high quality end mills, drills, reamers, burrs, saws, keyseat cutters and PCD tooling. Fullerton's Advanced Solutions Team (FAST) is the foundation of the company's commitment to continuously improve, innovate and provide vast product diversity. Fullerton is an ISO 9001:2008 certified company.

Our Core Values

Our *people* make the difference because we care about our customers, our community and each other.

Leading by the *principles* of integrity and dedication.

A *passion* to innovate and continuously improve.

Consistency through *precision* in everything we do.

Improve *productivity* through FAST.

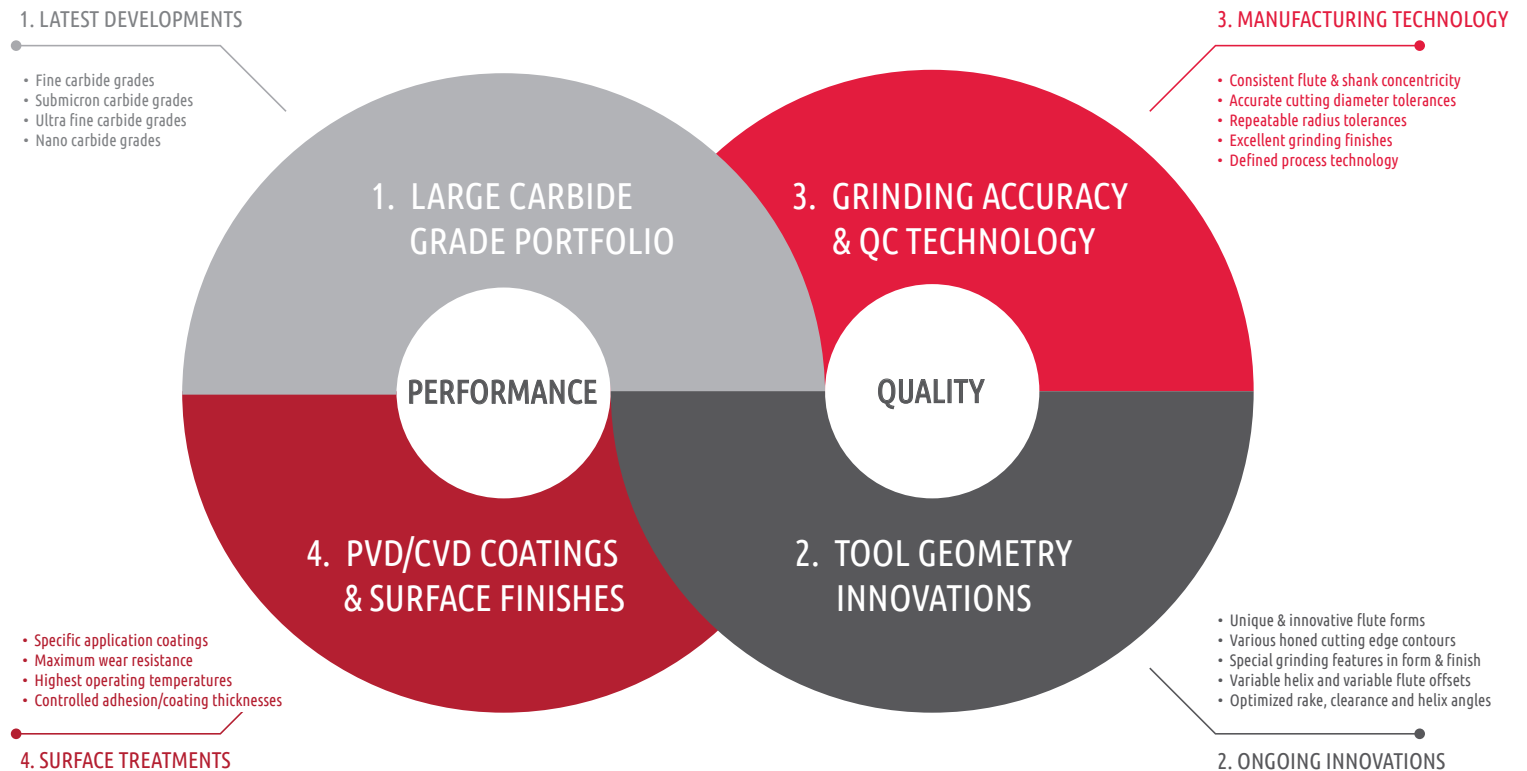
People | Principles | Passion | Precision | Productivity

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TOOL STRATEGY



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

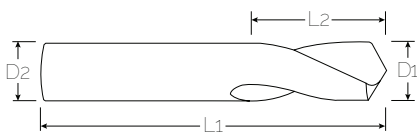
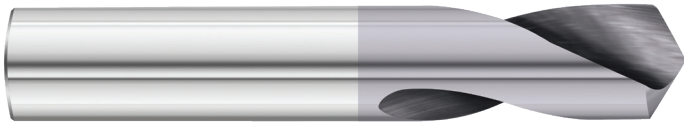
To help in the selection of a tool appropriate for your need, we have included recommended materials for each tool series based on the ISO Material Color Guide. You can find recommended materials near the bottom of every tool series page.

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.

1535 / Universal NC Spotting Drill - 2 Flutes

■ Titanium
 ■ Hardened Steels
 ■ Stainless Steels
 ■ Steels
 ■ Cast Iron
■ Graphite
 ■ Brass & Copper
 ■ Composites
 ■ Wood



Tolerance:

Shank Diameter: +0.00mm -0.013mm

Cutter Diameter: +0.00mm -0.013mm

- ▶ 90°, 120°, and 150° Point Angles
- ▶ Geometry - 2 Cam Relieved Flutes
 - Right Hand Spiral
- ▶ Dura Carb (Micrograin)



FLUTES

UNCOATED

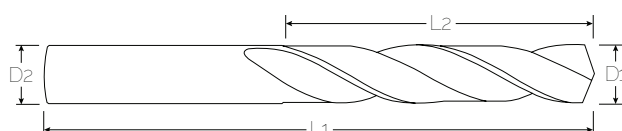
FC-7

COATING

D1	L2	D2	L1	Angle	EDP Number	
					UC	FC 7
3.00	10.00	3.00	64.00	90°	15454	15457
	10.00	3.00	64.00	120°	15354	15357
	10.00	3.00	64.00	150°	15700	15756
4.00	12.00	4.00	64.00	90°	15455	15458
	12.00	4.00	64.00	120°	15355	15358
	12.00	4.00	64.00	150°	15704	15757
5.00	25.00	5.00	64.00	90°	15456	15460
	25.00	5.00	64.00	120°	15356	15360
	25.00	5.00	64.00	150°	15701	15759
6.00	25.00	6.00	64.00	90°	15459	15461
	25.00	6.00	64.00	120°	15359	15361
	25.00	6.00	64.00	150°	15702	15760
8.00	25.00	8.00	64.00	90°	15465	15467
	25.00	8.00	64.00	120°	15365	15366
	25.00	8.00	64.00	150°	15703	15761
10.00	32.00	10.00	76.00	90°	15471	15470
	32.00	10.00	76.00	120°	15371	15370
	32.00	10.00	76.00	150°	15705	15754
12.00	32.00	12.00	76.00	90°	15474	15472
	32.00	12.00	76.00	120°	15374	15372
	32.00	12.00	76.00	150°	15706	15755

1500 / Universal Drill - 2 Flutes

■ Titanium ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Graphite



Tolerance:
Shank Diameter: * See Below
Cutter Diameter: +0.00mm -0.013mm

- ▶ 135° Notched Cam Point
- ▶ Geometry - 2 Flutes - 30° Helix
 - Right Hand Spiral
- ▶ Dura Carb (Micrograin)
- ▶ Performance Features
 - Wide Application Range
 - Longer Tool Life

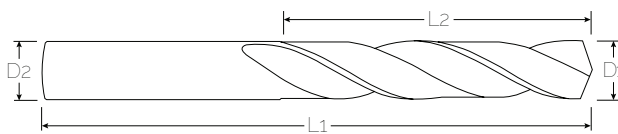


D1	L2	D2	L1	COATING		
				UC	FC 7	TIALN
Metric Screw Machine Length						
1.00	9.50	1.00	38.00			13200
1.50	9.50	1.50	38.00			13209
2.00	9.50	2.00	38.00			13219
2.50	16.00	2.50	51.00			13228
3.00	16.00	3.00	51.00			13238
3.50	16.00	3.50	51.00		13243	
4.00	19.00	4.00	63.00		13262	
4.50	19.00	4.50	63.00		13270	
5.00	19.00	5.00	63.00		13279	
5.50	25.00	5.50	63.00		13287	
6.00	25.00	6.00	63.00		13293	
6.50	25.00	6.50	63.00		13298	
7.00	25.00	7.00	63.00		13304	
7.50	32.00	7.50	70.00		13310	
8.00	32.00	8.00	70.00		13314	
8.50	32.00	8.50	76.00		13319	
9.00	32.00	9.00	76.00		13323	
9.50	32.00	9.50	76.00		13327	
10.00	32.00	10.00	76.00		13332	
10.50	32.00	10.50	76.00		13337	
11.00	32.00	11.00	76.00		13339	
11.50	32.00	11.50	76.00		13341	
12.00	32.00	12.00	76.00		13344	
12.50	32.00	12.50	76.00		13346	
13.00	32.00	13.00	89.00		13358	

* Shanks are not precision ground and are intended for use in three jaw chucks and collet holders only.

1500 / Universal Drill - 2 Flutes

■ Titanium ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Graphite



Tolerance:

Shank Diameter: * See Below

Cutter Diameter: +0.00mm -0.013mm

- ▶ 135° Notched Cam Point
- ▶ Geometry - 2 Flutes - 30° Helix
 - Right Hand Spiral
- ▶ Dura Carb (Micrograin)
- ▶ Performance Features
 - Wide Application Range
 - Longer Tool Life



2

FLUTES

UNCOATED

FC-7

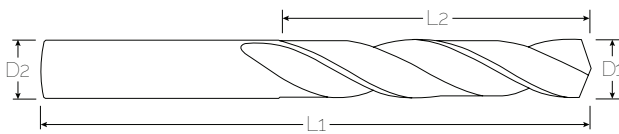
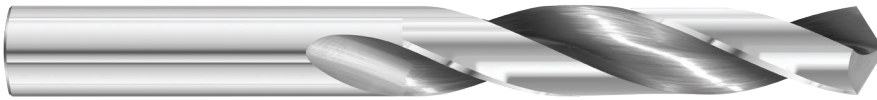
TIALN

COATING

D1	L2	D2	L1	COATING		
				UC	FC 7	TIALN
Metric Standard Length						
1.00	16.00	1.00	38.00			13011
1.50	19.00	1.50	38.00			13020
2.00	22.00	2.00	44.00			13030
2.50	25.00	2.50	51.00			13039
3.00	32.00	3.00	57.00			13049
3.50	35.00	3.50	63.00		13054	
4.00	35.00	4.00	63.00		13064	
4.50	41.00	4.50	70.00		13072	
5.00	44.00	5.00	76.00		13081	
5.50	44.00	5.50	76.00		13089	
6.00	51.00	6.00	83.00		13095	
6.50	51.00	6.50	83.00		13100	
7.00	54.00	7.00	89.00		13106	
7.50	60.00	7.50	102.00		13112	
8.00	60.00	8.00	102.00		13116	
8.50	63.00	8.50	102.00		13121	
9.00	70.00	9.00	108.00		13125	
9.50	70.00	9.50	108.00		13129	
10.00	73.00	10.00	114.00		13134	
10.50	73.00	10.50	114.00		13139	
11.00	73.00	11.00	114.00		13141	
11.50	76.00	11.50	121.00		13143	
12.00	76.00	12.00	121.00		13146	
12.50	76.00	12.50	121.00		13148	

1510 / Universal Drill - 2 Flutes

■ Titanium
 ■ Stainless Steels
 ■ Steels
 ■ Cast Iron
 ■ Graphite
■ Brass & Copper
 ■ High Si Al
 ■ Low Si Al
 ■ Composites



Tolerance:

Shank Diameter: * See Below

Cutter Diameter: +0.00mm -0.013mm

- ▶ 118° Four Facet Point
- ▶ Geometry - 25° Helix
 - Right Hand Spiral
- ▶ Dura Carb (Micrograin)
- ▶ Preferred Design For Screw Machine And Swiss Lathe Applications.
- ▶ Self-Centering Drill Point



D1	L2	D2	L1	COATING
				UC
Metric Screw Machine Length				
1.00	9.50	1.00	38.00	16001
1.50	9.50	1.50	38.00	16010
2.00	9.50	2.00	38.00	16020
2.50	16.00	2.50	51.00	16029
3.00	16.00	3.00	51.00	16037
3.50	16.00	3.50	51.00	16040
4.00	19.00	4.00	63.00	16046
4.50	19.00	4.50	63.00	16053
5.00	19.00	5.00	63.00	16061
5.50	25.00	5.50	63.00	16067
6.00	25.00	6.00	63.00	16071
6.50	25.00	6.50	63.00	16075
7.00	25.00	7.00	63.00	16079
7.50	32.00	7.50	70.00	16084
8.00	32.00	8.00	70.00	16086
8.50	32.00	8.50	76.00	16090
9.00	32.00	9.00	76.00	16093
9.50	32.00	9.50	76.00	16096
10.00	32.00	10.00	76.00	16099
10.50	32.00	10.50	76.00	16103
11.00	32.00	11.00	76.00	16104
11.50	32.00	11.50	76.00	16105
12.00	32.00	12.00	76.00	16106
12.50	32.00	12.50	76.00	16107

* Shanks are not precision ground and are intended for use in three jaw chucks and collet holders only.

1510 / Universal Drill - 2 Flutes

■ Titanium
 ■ Stainless Steels
 ■ Steels
 ■ Cast Iron
 ■ Graphite
■ Brass & Copper
 ■ High Si Al
 ■ Low Si Al
 ■ Composites



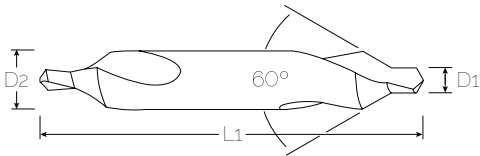
D1	L2	D2	L1	COATING
				UC
Metric Standard Length				
1.00	16.00	1.00	38.00	15023
1.50	19.00	1.50	38.00	15032
2.00	22.00	2.00	44.00	15042
2.30	25.00	2.30	51.00	15196
2.50	25.00	2.50	51.00	15051
2.60	25.00	2.60	51.00	15186
2.90	32.00	2.90	57.00	15187
3.00	32.00	3.00	57.00	15061
3.20	32.00	3.20	57.00	15245
3.50	35.00	3.50	63.00	15066
3.90	35.00	3.90	63.00	15246
4.00	35.00	4.00	63.00	15076
4.20	41.00	4.20	70.00	15188
4.30	41.00	4.30	70.00	15189
4.50	41.00	4.50	70.00	15084
5.00	44.00	5.00	76.00	15093
5.50	44.00	5.50	76.00	15101
5.80	44.00	5.80	76.00	15190
6.00	51.00	6.00	83.00	15107
6.20	51.00	6.20	83.00	15191
6.40	51.00	6.40	83.00	15194
6.50	51.00	6.50	83.00	15113
6.60	51.00	6.60	83.00	15195
6.90	54.00	6.90	89.00	15247
7.00	54.00	7.00	89.00	15119
7.50	60.00	7.50	102.00	15125
8.00	60.00	8.00	102.00	15129
8.30	63.00	8.30	102.00	15192
8.40	63.00	8.40	102.00	15197
8.50	63.00	8.50	102.00	15173
8.90	70.00	8.90	108.00	15198
9.00	70.00	9.00	108.00	15134
9.50	70.00	9.50	108.00	15142
9.60	70.00	9.60	108.00	15193
10.00	73.00	10.00	114.00	15147
10.50	73.00	10.50	114.00	15151
11.00	73.00	11.00	114.00	15153
11.50	76.00	11.50	121.00	15155
12.00	76.00	12.00	121.00	15158
12.50	76.00	12.50	121.00	15160

* Shanks are not precision ground and are intended for use in three jaw chucks and collet holders only.

2305 / Universal Center Drill - 2 Flutes

■ Titanium
 ■ Hardened Steels
 ■ Stainless Steels
 ■ Steels
 ■ Cast Iron
 ■ Graphite

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



Tolerance:
 Shank Diameter: h6
 Pilot Diameter: +0.08mm -0.00mm

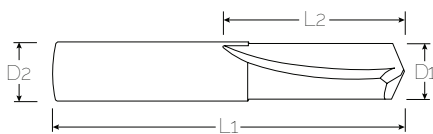
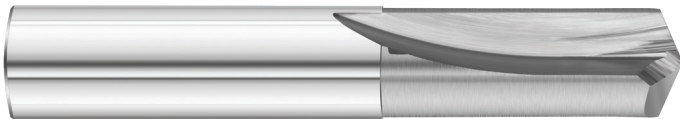
- ▶ 118° Cam Relieved Pilot Point
- ▶ Geometry
 - Right Hand Spiral
 - 60° Included Angle
- ▶ Dura Carb (Micrograin)
- ▶ Double End



D1	D2	L1	INCLUDED ANGLE
			60°
0.50	3.00	38.00	15737
0.80	3.00	38.00	15738
1.00	3.00	38.00	15739
1.30	3.00	38.00	15740
1.60	4.00	50.00	15741
2.00	5.00	51.00	15742
2.50	6.00	50.00	15743
3.20	8.00	50.00	15744
4.00	10.00	76.00	15745
5.00	12.00	76.00	15746

1570 / Universal Straight Flute Drill - 2 Flutes

■ Hardened Steels ■ Steels ■ Cast Iron ■ Graphite ■ High Si Al ■ Low Si Al ■ Composites



Tolerance:

Shank Diameter: +0.000mm -0.013mm

Cutter Diameter: +0.00mm -0.013mm

- ▶ 135° Notched Point
- ▶ Geometry
 - Right Hand Cut
- ▶ Dura Carb (Micrograin)
- ▶ For Hardened Materials
- ▶ Excellent Hole Finish



D1	L2	D2	L1	COATING
				UC
3.00	16.00	3.00	57.00	15723
4.00	20.00	4.00	64.00	15724
5.00	20.00	5.00	64.00	15725
5.50	20.00	5.50	64.00	15726
6.00	25.00	6.00	64.00	15727
8.00	32.00	8.00	76.00	15728
10.00	32.00	10.00	76.00	15729
12.00	32.00	12.00	76.00	15730
12.50	32.00	12.50	76.00	15731
13.00	32.00	13.00	76.00	15732

1595 S-5 / AP S-Drill - 2 Flutes

■ Steels (secondary)
 ■ Cast Iron (primary)

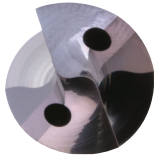
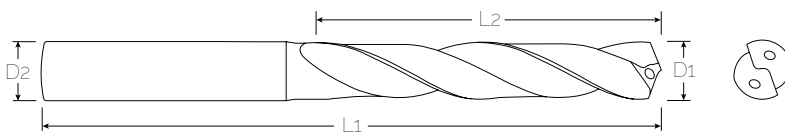
■ Hardened Steels
 ■ Stainless Steels



Tolerance:

Shank Diameter: h6

Cutter Diameter: m7



- ▶ Coolant Holes
- ▶ Double Angle Drill Point (120°/135°)
 - Self-Centering
 - Precision Ground
- ▶ Geometry - 30° Helix
 - Right Hand Spiral
- ▶ Performance Features
 - 50% more productivity
 - Special carbide grades
 - Polished chip flute for better chip flow

ADVANCED PERFORMANCE



D1	L2	D2	L1	COATING
				FC 7
3.00	28.00	6.00	66.00	17000
3.10	28.00	6.00	66.00	17001
3.20	28.00	6.00	66.00	17003
3.30	28.00	6.00	66.00	17004
3.40	28.00	6.00	66.00	17005
3.50	28.00	6.00	66.00	17007
3.60	28.00	6.00	66.00	17009
3.70	28.00	6.00	66.00	17010
4.00	36.00	6.00	74.00	17014
4.10	36.00	6.00	74.00	17016
4.20	36.00	6.00	74.00	17017
4.40	36.00	6.00	74.00	17020
4.60	36.00	6.00	74.00	17022
4.90	44.00	6.00	82.00	17027
5.00	44.00	6.00	82.00	17028
5.10	44.00	6.00	82.00	17029
5.20	44.00	6.00	82.00	17032
5.30	44.00	6.00	82.00	17033
5.40	44.00	6.00	82.00	17034
5.50	44.00	6.00	82.00	17036
5.60	44.00	6.00	82.00	17039
5.70	44.00	6.00	82.00	17040
5.80	44.00	6.00	82.00	17041
5.90	44.00	6.00	82.00	17042
6.00	44.00	6.00	82.00	17044
6.10	53.00	8.00	91.00	17045
6.20	53.00	8.00	91.00	17046
6.30	53.00	8.00	91.00	17047
6.40	53.00	8.00	91.00	17049
6.50	53.00	8.00	91.00	17050
6.60	53.00	8.00	91.00	17052

1595 S-5 / AP S-Drill - 2 Flutes

■ Steels (secondary)
 ■ Cast Iron (primary)

■ Hardened Steels
 ■ Stainless Steels



D1	L2	D2	L1	COATING
				FC 7
6.70	53.00	8.00	91.00	17053
6.80	53.00	8.00	91.00	17055
7.00	53.00	8.00	91.00	17057
7.10	53.00	8.00	91.00	17058
7.20	53.00	8.00	91.00	17060
7.30	53.00	8.00	91.00	17061
7.40	53.00	8.00	91.00	17062
7.50	53.00	8.00	91.00	17063
7.60	53.00	8.00	91.00	17065
7.70	53.00	8.00	91.00	17066
7.80	53.00	8.00	91.00	17067
7.90	53.00	8.00	91.00	17068
8.00	53.00	8.00	91.00	17070
8.30	61.00	10.00	103.00	17073
8.40	61.00	10.00	103.00	17075
8.50	61.00	10.00	103.00	17076
8.60	61.00	10.00	103.00	17077
8.70	61.00	10.00	103.00	17078
8.80	61.00	10.00	103.00	17080
8.90	61.00	10.00	103.00	17081
9.00	61.00	10.00	103.00	17082
9.10	61.00	10.00	103.00	17083
9.20	61.00	10.00	103.00	17085
9.30	61.00	10.00	103.00	17086
9.40	61.00	10.00	103.00	17088
9.50	61.00	10.00	103.00	17089
9.60	61.00	10.00	103.00	17091
9.70	61.00	10.00	103.00	17092
9.90	61.00	10.00	103.00	17094
10.00	61.00	10.00	103.00	17096
10.10	71.00	12.00	118.00	17097
10.20	71.00	12.00	118.00	17098
10.30	71.00	12.00	118.00	17099
10.40	71.00	12.00	118.00	17101
10.50	71.00	12.00	118.00	17102
10.60	71.00	12.00	118.00	17103
10.70	71.00	12.00	118.00	17104
10.80	71.00	12.00	118.00	17106
10.90	71.00	12.00	118.00	17107
11.00	71.00	12.00	118.00	17108
11.20	71.00	12.00	118.00	17111
11.30	71.00	12.00	118.00	17112
11.40	71.00	12.00	118.00	17113
11.50	71.00	12.00	118.00	17114
11.60	71.00	12.00	118.00	17116
11.70	71.00	12.00	118.00	17117
11.80	71.00	12.00	118.00	17118
11.90	71.00	12.00	118.00	17119
12.00	71.00	12.00	118.00	17121
12.20	77.00	14.00	124.00	17123
12.50	77.00	14.00	124.00	17125

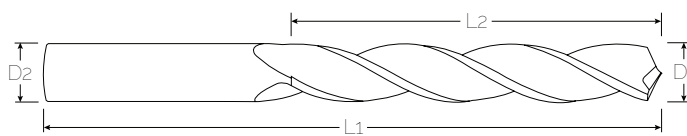
ADVANCED
PERFORMANCE



1565 / AP AlumaDrill - 3 Flutes

■ Titanium
 ■ Graphite
 ■ Brass & Copper
■ Aluminum
 ■ Composites
 ■ Plastics

AlumaDrill



Tolerance:

Shank Diameter: +0.000mm -0.013mm

Cutter Diameter: +0.00mm -0.013mm

- ▶ 130° Advanced Performance Point
- ▶ Geometry - 3 Parabolic Flutes - 30° Helix
 - Right Hand Spiral
- ▶ Dura Carb (Micrograin)
- ▶ Performance Features
 - Enhanced Chip Evacuation
 - Self Centering

D1	L2	D2	L1	COATING
				UC
2.00	25.00	3.00	50.00	19002
2.30	25.00	3.00	50.00	19004
2.60	32.00	3.00	57.00	19005
2.90	32.00	3.00	57.00	19006
3.00	22.00	3.00	38.00	19007
3.30	32.00	3.00	57.00	15675
3.70	35.00	6.00	64.00	15231
4.00	35.00	6.00	64.00	19009
4.20	23.00	6.00	50.00	19011
4.30	35.00	6.00	64.00	15677
4.60	45.00	6.00	76.00	15232
4.80	45.00	6.00	76.00	19013
5.00	45.00	6.00	76.00	19017
5.20	45.00	6.00	76.00	15683
5.50	50.00	6.00	82.00	19021
6.00	32.00	6.00	64.00	19023
6.30	50.00	6.00	82.00	15688
6.80	54.00	8.00	100.00	15233
7.00	36.00	8.00	76.00	19025
7.30	54.00	8.00	100.00	15689
7.50	54.00	8.00	100.00	19026
7.80	54.00	8.00	100.00	19027
8.00	54.00	8.00	100.00	19028
8.50	60.00	8.00	100.00	15234
9.00	40.00	8.00	76.00	19030
9.50	60.00	8.00	100.00	15690
10.00	63.00	10.00	100.00	15235
	63.00	10.00	100.00	19032
	63.00	10.00	100.00	15236
	44.00	10.00	76.00	19035
	63.00	10.00	100.00	15691

Other sizes available upon request, please contact us at sales@fulletontool.com

Visit fullertontool.com for the most up to date information.

ADVANCED
PERFORMANCE



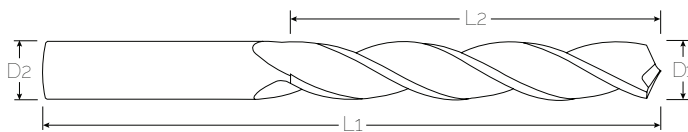
3
FLUTES

UC
UNCOATED

1565 / AP AlumaDrill - 3 Flutes

■ Titanium
 ■ Graphite
 ■ Brass & Copper
■ Aluminum
 ■ Composites
 ■ Plastics

AlumaDrill



Tolerance:

Shank Diameter: +0.000mm -0.013mm

Cutter Diameter: +0.00mm -0.013mm

- ▶ 130° Advanced Performance Point
- ▶ Geometry - 3 Parabolic Flutes - 30° Helix
 - Right Hand Spiral
- ▶ Dura Carb (Micrograin)
- ▶ Performance Features
 - Enhanced Chip Evacuation
 - Self Centering

D1	L2	D2	L1	COATING
				UC
10.20	73.00	12.00	125.00	15237
10.60	73.00	12.00	125.00	19036
11.00	73.00	12.00	125.00	15242
11.30	73.00	12.00	125.00	19037
12.00	50.00	12.00	100.00	19038
	76.00	12.00	125.00	15692
12.10	76.00	14.00	125.00	19039
12.25	76.00	14.00	125.00	15243
12.50	76.00	14.00	125.00	19040
12.80	76.00	14.00	125.00	19042
13.00	76.00	14.00	125.00	15244
13.20	76.00	14.00	125.00	19044
13.60	76.00	14.00	125.00	19045
14.00	101.00	14.00	150.00	15238
14.50	101.00	16.00	150.00	19046
14.80	101.00	16.00	150.00	19048
15.00	101.00	16.00	150.00	15694
15.20	101.00	16.00	150.00	19049
15.50	101.00	16.00	150.00	15239
16.00	67.00	16.00	112.50	19051
	101.00	16.00	150.00	15695
16.50	101.00	18.00	150.00	15696
17.00	101.00	18.00	150.00	15697
17.50	101.00	18.00	150.00	15240
17.90	101.00	20.00	150.00	19052
18.40	101.00	20.00	150.00	19053
18.50	101.00	20.00	150.00	19054
19.20	101.00	20.00	150.00	19056
19.50	101.00	20.00	150.00	15241
20.00	67.00	20.00	125.00	19057
	101.00	20.00	150.00	15698

Other sizes available upon request, please contact us at sales@fullertontool.com

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ADVANCED
PERFORMANCE



130°

3

FLUTES

UC

UNCOATED

5566 / AP Poly Drill - 3 Flutes

■ Graphite ■ Composites ■ Plastics

poly drill



Tolerance:

Shank Diameter: +0.000mm -0.013mm

Cutter Diameter: +0.00mm -0.025mm

- ▶ 90° Point
- ▶ Geometry - 3 Parabolic Flutes - 30° Helix
 - Burr Teeth
 - 50° Helix Serrations
 - Right Hand Spiral
- ▶ Dura Carb III (Micrograin)
- ▶ Performance Features
 - Advanced Performance Coating
 - Excellent Cutting in Composite Materials

ADVANCED PERFORMANCE



D1	L2	D2	L1	COATING	
				UC	FC 1
5.00	32.00	5.00	100.00	25320	25301
6.00	32.00	6.00	100.00	25321	25302
6.50	38.00	6.50	105.00	25324	25305
7.00	38.00	7.00	105.00	25325	25306
7.50	38.00	7.50	110.00	25326	25307
8.00	38.00	8.00	115.00	25328	25309
8.50	38.00	8.50	120.00	25329	25310
9.00	38.00	9.00	125.00	25330	25311
9.50	38.00	9.50	125.00	25331	25312
10.00	38.00	10.00	130.00	25332	25313
10.50	38.00	10.50	137.00	25333	25314
11.00	38.00	11.00	140.00	25334	25315
11.50	38.00	11.50	143.00	25335	25316
12.00	38.00	12.00	150.00	25336	25317

1566 / AP Poly Drill - 3 Flutes

■ Graphite ■ Composites ■ Plastics

poly drill



Tolerance:

Shank Diameter: +0.000mm -0.013mm

Cutter Diameter: +0.00mm -0.025mm



▶ 90° Point

Geometry - 3 Parabolic Flutes - 30° Helix

- Burr Teeth
- 50° Helix Serrations

▶ • Right Hand Spiral

Dura Carb III (Micrograin)

Performance Features

- TiAlN Coating
- Excellent Cutting in Composite Materials

ADVANCED PERFORMANCE



90°



3
FLUTES



TiAlN
COATING

D1	L2	D2	L1	COATING
				TiAlN
5.00	32.00	5.00	100.00	15660
6.00	32.00	6.00	100.00	15662
6.50	38.00	6.50	105.00	15663
7.00	38.00	7.00	105.00	15664
7.50	38.00	7.50	110.00	15665
8.00	38.00	8.00	115.00	15666
8.50	38.00	8.50	120.00	15667
9.00	38.00	9.00	125.00	15668
9.50	38.00	9.50	125.00	15669
10.00	38.00	10.00	130.00	15670
10.50	38.00	10.50	137.00	15671
11.00	38.00	11.00	140.00	15672
11.50	38.00	11.50	143.00	15673
12.00	38.00	12.00	150.00	15674



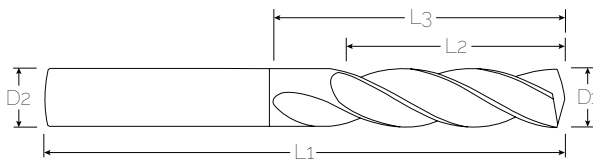
The Poly Drill is a patented tool that produces a clean burr-free hole with no breakout, thereby eliminating a secondary operation of sanding or deburring. The Poly Drill works well in fiber reinforced thermoplastics and composite materials commonly found in the automotive, aerospace, appliance, and recreation industries.

Patent #5636948

1505 / AP Dominator - 2 Flutes

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

DOMINATOR



Tolerance:

Shank Diameter: +0.000mm -0.013mm

Cutter Diameter: +0.00mm -0.013mm

- ▶ 144° Dominator Point
- ▶ Geometry - 30° Helix
 - Right Hand Spiral
 - Double Margin
- ▶ Dura Carb (Micrograin)
- ▶ Performance Features
 - Excellent hole finish
 - Special carbide grade
 - Advanced Performace Coating

ADVANCED PERFORMANCE



144°



2
FLUTES



FC-7
COATING



COOLANT HOLES

D1	L2	L3	D2	L1	Coolant Through	COATING
						FC 7
3.00	38.00	30.00	3.00	76.00	✓	15710
3.30	38.00	30.00	6.00	76.00		15180
4.00	38.00	30.00	4.00	76.00	✓	15711
4.20	38.00	30.00	6.00	76.00		15181
5.00	38.00	30.00	5.00	76.00	✓	15712
	38.00	30.00	6.00	76.00		15613
6.00	38.00	30.00	6.00	76.00		15610
	50.00	42.00	6.00	101.00	✓	15713
6.50	32.00	26.19	8.00	76.00		15264
6.80	38.00	30.00	8.00	76.00		15619
8.00	38.00	30.00	8.00	76.00		15612
	63.00	54.00	8.00	101.00	✓	15715
10.00	57.00	45.00	10.00	100.00		15637
10.20	57.00	45.00	12.00	125.00		15632
12.00	63.00	50.00	12.00	125.00		15680
15.00	101.00	88.00	16.00	150.00	✓	15718
16.00	101.00	88.00	16.00	150.00	✓	15719

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!

The image displays two screenshots of the Fullerton Tool website. The left screenshot shows the homepage with navigation links (ABOUT, PRODUCTS, RESOURCES, INDUSTRY, QUOTE, CAREERS, CONTACT) and a 'Log In / Sign Up' link. It features promotional banners for 'Our Burrs Remain a Classic', 'New Series Stocked with FC-20 Coating', 'Our Core Values', 'Get Instant Pricing with FAST Quotes', and 'Ship Any Order for \$10'. The right screenshot shows the 'Before you Register!' section with a registration form. The form includes fields for First Name, Last Name, Company, Branch Location, Contact Phone, Email, Verify Email, User Type (dropdown), and Password. A 'Registration' heading is above the form. Below the form, there is a 'Check Out Our Latest Series Modifications' section with a date range from January 2013 to April 2016, and a 'SERIES MODIFICATIONS' section with a text box explaining product changes.

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.