

FULLERTON

Tool Company Inc.



**75TH ANNIVERSARY
CATALOG**

YOUR TOTAL ROUND TOOL SOLUTIONS COMPANY

Contact Us!

fullertontool.com

Toll Free: 800.248.8315
Local: 989.799.4550

East Location

121 Perry Street
Saginaw, MI 48602

West Location

11489 Sunshine Drive
Saginaw, MI 48609

Sales/Customer Service | sales@fullertontool.com

General Communications ▪ Stock Check ▪ Order Entry
Invoice Problems ▪ Credit on an Order ▪ RMA/RGA>Returns

Expediting | expediting@fullertontool.com

Expedite or Follow-Up ▪ Cancel an Order

Quotes | quotes@fullertontool.com

Quotation Requests ▪ General Quotation Information

Engineering | engineering@fullertontool.com

Regrinds | regrinds@fullertontool.com

Accounting | accounts@fullertontool.com

Website | webadmin@fullertontool.com

Marketing | marketing@fullertontool.com

Check us out on Social Media!



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End Mills

Advanced Performance

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AlumaMill

9	3825 Square
10	3825 Square Long Reach
11	3825 Ball
12	3825 Radius
13	3833 Square
15	3833 Square Long Reach
16	3833 Ball
18	3833 Ball Long Reach
19	3833 Radius
24	3833 Radius Long Reach
26	3805 Vicor Radius
27	3835 Square
29	3835 Square Long Reach

Matrx

30	6300 Ball/Radius
----	------------------

Alloy Steel Rougher

31	3335 Radius
----	-------------

Twister

32	3800 Square
----	-------------

Intimidator

33	3000 Square
35	3000 Chamfer
36	3000 Radius

Harmon-i-Cut

38	3400 Square
40	3400 Ball
41	3400 Radius
44	3400 Radius Long Reach

Fury

45	3500 Square
47	3500 Ball
49	3500 Radius
54	3505 Vicor Radius

Fantom 2.0

55	3412 Square
57	3412 Radius
61	3412 Radius Long Reach
63	3415 Vicor Radius

Fantom

64	3410 Square
65	3410 Radius

Falcon Finisher

66	3845 Square
----	-------------

Matrx

68	5500 Radius
----	-------------

Force

69	3600 Square
70	3600 Radius

The Dream

72	3810 Radius Long Reach
----	------------------------

Hercules

73	3820 Radius
----	-------------

Hogger

74	3975 Radius
75	3995 Radius

End Mills

General Purpose

2 Flute General Purpose

78	3215 Square
81	3215 Square Double End
82	3215 Ball
85	3215 Ball Double End
86	3215 Radius
88	2002 JIT
90	3215SM Square
92	3215SM Ball

Straight Flute

94	3242 Square
----	-------------

Tapered

95	3261 Ball
----	-----------

3 Flute General Purpose

96	3300 Square
98	3300 Ball
100	2003 JIT

4 Flute General Purpose

102	3200 Square
106	3200 Square Double End
108	3200 Ball
112	3200 Ball Double End
114	3200 Radius
122	2004 JIT
124	3200SM Square
125	3200SM Ball

Chamfer Mills

126	3730
127	3730 Double End

Jo Engraver

128	Jo
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Drills

Advanced Performance

130	1595S-5 S Drill
133	1505 Dominator Drill
135	1565 AlumaDrill
139	1566 Poly Drill
140	5566 Poly Drill

General Purpose

141	1500 Drill
148	1510 Drill
156	1535 NC Spotting Drills
158	1570 Micro-Drill
160	2305 Center Drill
161	1540 Thinned Point Drill

Routers

164	6900 Matrx PCD Ball
165	6900 Matrx PCD Radius
166	2600/5600 Composite
167	3910 Square
167	3915 Square
167	3925 Square
167	3930 Square
167	3935 Square

Reamers

169	1410 JIT
171	1450 JIT
173	1400 General Purpose

Saws

179	2450 JIT
182	SA Saw Arbors

Keyseat Cutter

184	4375
185	4375E JIT

Burrs/Rotary Files

187	Burr Cuts
1/4" Shank Burrs	
188	SA - Cylindrical
188	SB - Cylindrical End Cut
189	SC - Cylindrical Ball Nose
189	SD - Ball Shape
190	SE - Egg Shape
190	SF - Round Tree Cut
191	SG - Pointed Tree Cut
191	SM - Cone Shape
192	SL - 14° Included Angle
192	SH - Flame Shape
193	SK - 90° Included Angle
193	SJ - 60° Included Angle
194	SN - Inverted Cone
194	SNE - Inverted Cone End
1/8" Shank Burrs	
195	Various Shapes 1/16-1/8"
196	Various Shapes 5/32-3/16"
197	Various Shapes 1/4"
3/16" Shank Burrs	
197	Various Shapes 3/16"
3mm Shank Burrs	
198	Various Shapes 1.5-3.0mm
199	Various Shapes 6.4mm
6mm Shank Burrs	
200	Various Shapes 3.0-6.0mm
Rotary File Sets	
201	Rotary File Sets

Countersinks

205	1835 6 Flute
206	1847 Single Flute

Boring Tools

208	2400
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234	Dura Carb Carbide
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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 screenshot shows the Fullerton website homepage with a navigation bar at the top. Below the navigation bar, there are several promotional banners and product highlights:

- BURRS:** A classic always get the job done, and our Burrs do just that - get the job done - every time, no matter the material or industry. Check out our Burr offering to find the right Burr for you.
- New Series Stocked with FC-20 Coating:** We've added FC-20 coating to our 3810 Series Dream and 3800 Series Hercules end mills for thermal protection and increased tool life. Now both series will be stocked standard coated and with FC-20 coating.
- OUR CORE VALUES:** Our core values embody everything we do to provide great service to our customers and to produce extraordinary cutting tools. Check out what our employees have to say about our
- GET INSTANT PRICING WITH FAST QUOTES:** With our new Altered End Mill FACT Quotes you can type in almost any standard end mill part number, make slight modifications and generate instant pricing and lead time.
- SHIP ANY ORDER FOR \$10:** Ship any order for \$10 with our \$10! Shipping! Just mention Flat Rate \$10 your order and you'll ship any order!

The screenshot shows the Fullerton website registration page. It features a navigation bar at the top and a main content area with a registration form and a sidebar with a calendar and product highlights.

Before you Register!

We hand process every account request we receive. This process ensures that your account is tied to the proper companies and that we can get the most out of your Fullerton account.

In order to ensure that your new account is activated swiftly we ask that you provide the most accurate and updated information possible. Inaccuracies in this information can delay your account activation!

We also take your privacy seriously. Fullerton Tool will NEVER distribute any of your personal or company information to any third party networks or advertisers.

Registration

Log In / Sign Up

First Name:

Last Name:

Company:

Branch Location:

Contact Phone:

Email:

Verify Email:

User Type:

Far:

Password:

Confirm Password:

Check Out Our Latest Series Modifications

July 31st, 2017

SERIES MODIFICATIONS

In an effort to focus our capacity on new product series and popular EOP items, we are reducing our current product offerings. These changes are in progress and will take a few months to complete. We will be removing EOP items from seven of our tool series in addition to eliminating seven entire tool series. A majority of the EOP items and series that are being removed from our product offering are slow moving items with low sales volume.

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!

Design your End Mill online with FAST QUOTES!

Click. **Quote.** Done.



FAST QUOTES

FULLERTON ABOUT - PRODUCTS - RESOURCES - INDUSTRY - QUOTE - CAREERS - CONTACT

Dashboard Utilities All FAST Quotes Quotes Account Support

Special End Mill FAST Quote

Tolerances
 Cutting Diameter: +0.000
 Shank Diameter: -0.000
 O.D.: +0.000 and I.D.C.: +0.000
 Neck Diameter: +0.000 Feather Blend
 Neck Reach: +0.000
 Corner Radius/Chamfer: +0.000

End Mill Options
 Metric / Imperial: Switch to Metric
 Quantity:
 Series:
 End Cut:
 End Cut Dim:
 A. Diameter:
 B. Length of Cut:
 C & D. Blank Size:

Add-Ons
 Coating:
 Media Hone:
 Media Polish:
 Post Coat Polish:
 E. Neck Diam:
 F. Neck Reach:
 Flat:

Comments:
 It is important to look over your form before submission. Please make sure that all fields are filled out correctly and that your contact details are correct. In the event that we have to contact you regarding your quote we will use the contact details provided.

Log in to fullertontool.com to create an end mill to fit your needs. Available for Special End Mills and Altered Standard End Mills. Put in your parameters and hit quote, you will receive INSTANT pricing! You will then have the ability to send the quote directly to your email.

Part#: E3833D500017106** - Part number not final. Generate quote to complete.

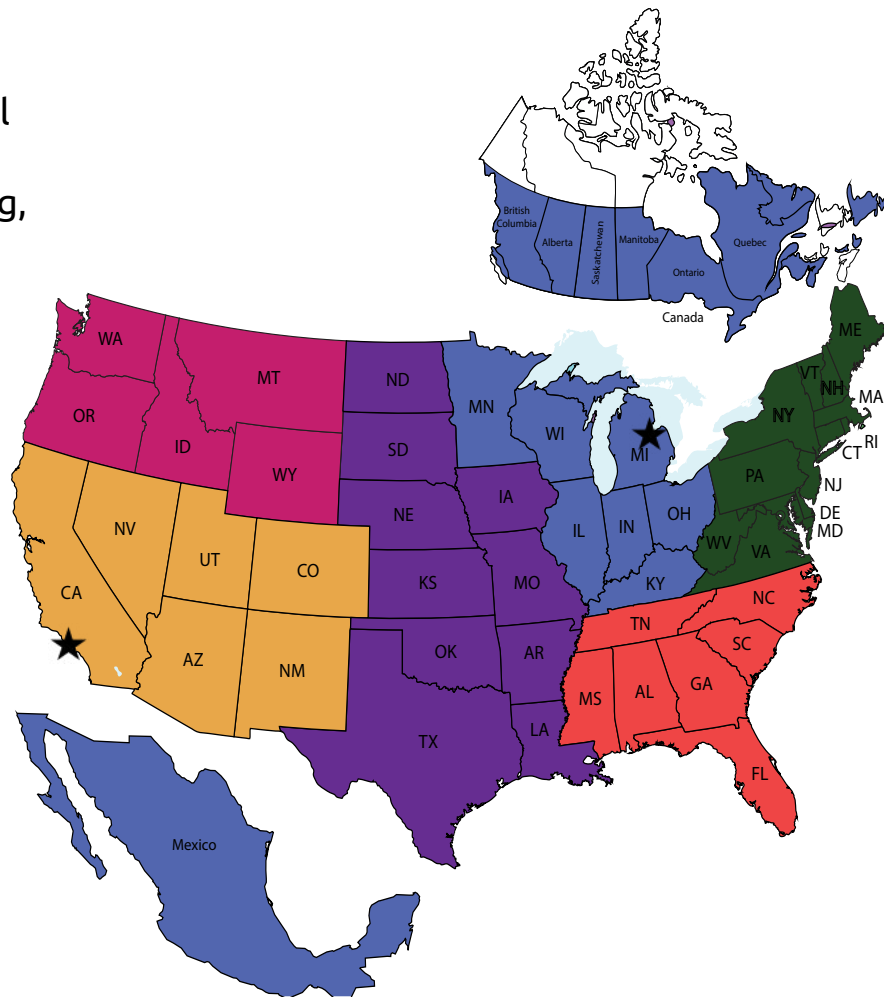
Description: 6383D5000X300UC

Pieces	Price	Lead Time
5	\$\$\$	3 day(s)
10	\$\$\$	3 day(s)
25	\$\$\$	6 day(s)

Factory Sales Representatives

In addition to our headquarter location in Saginaw, MI, Fullerton Tool maintains inventory of standard catalog items at MC Sales & Marketing, located in California. By using this warehouse, operating hours are extended and can ship in-stock items directly to you.

MC Sales & Marketing
714.901.8589 | 888.299.8665
mcsales@fullertontool.com
mat@fullertontool.com



To locate a Representative in your area, visit the Rep Locator page from the Contact dropdown at fullertontool.com!



Locate A Rep Near You

Select from the dropdown to find the Fullerton Representatives in your area.

Continent - North America

North America

Country - United States

United States

State - Michigan

Michigan

Representative

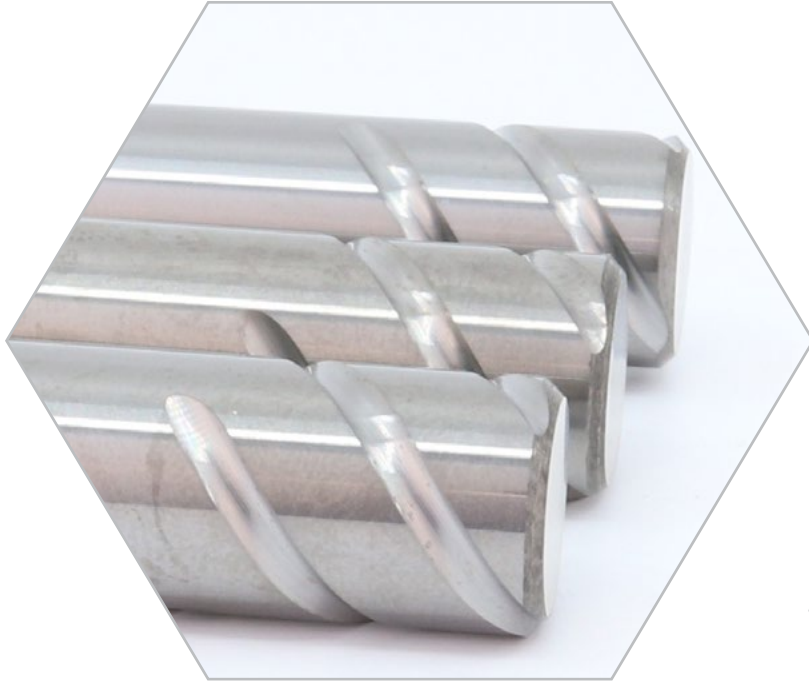
Company:
Name:
Phone:
Address:
City:

CONTACT

Fullerton Factory Representative

Name:
Cell:
Phone:
Extension:
Fax:

CONTACT



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

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

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

Advanced Performance End Mills



ADVANCED PERFORMANCE END MILLS

Alloy Steel Rougher
AlumaMill
Harmon-i-Cut
Hercules
Hogger

Intimidator
Falcon Finisher
Fantom
Force

Fury
Matrx
The Dream
Twister

END MILLS

48-Hour Chip Breaker Service



JIT SERVICES 48-Hour Just in Time Delivery **12** PIECES OR LESS
5:00 PM EST Order Deadline



Most End Mills can be supplied with chip breakers and shipped within 48-hours. When ordering, please specify the EDP number for the End Mill you wish to add chip breakers to.

Corner Radius and Chamfered End Mill Service



JIT SERVICES 48-Hour Just in Time Delivery **12** PIECES OR LESS
5:00 PM EST Order Deadline



Most End Mills can be supplied with a corner radius and shipped within 48-hours. When ordering, please specify the specific End Mill and the radius required.

Visit fullertontool.com for FAST Quote - Altered End Mills.

END MILLS

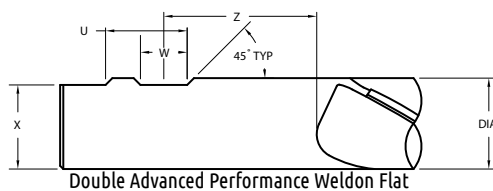
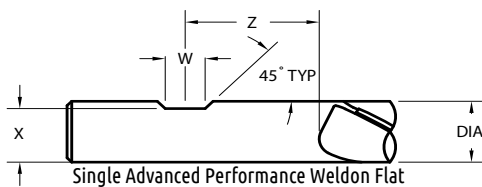
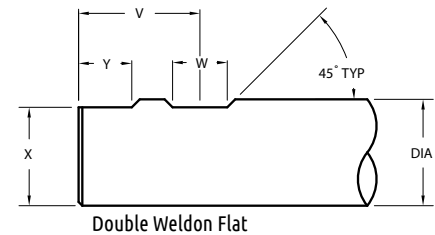
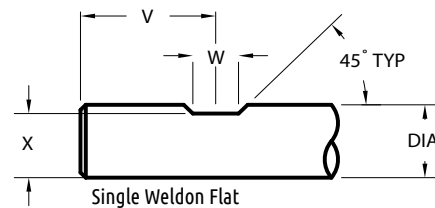
Weldon Flats

JIT SERVICES 48-Hour Just in Time Delivery
12 PIECES OR LESS
 5:00 PM EST Order Deadline

The Advanced Performance Weldon Flat (AF) and the Standard Weldon Flat (WF) are essentially the same, but the length of the Weldon Flat to the cutting end of the tool is different. The AF is measured from the flute washout to the flat. This guarantees that the flute or flute washout will not be inside of the holder. If the flute or flute washout is inside the tool holder, the chips can pack into the holder and can cause the tool to break.

Standard Weldon Flat (WF)

Shank Diameter	V ±.015	W ±.001	X ±.004	Y ±.031
1/8	.5000	.1560	.1050	-
3/16	.6875	.1560	.1500	-
1/4	.7812	.1870	.2150	-
5/16	.7812	.2500	.2750	-
3/8	.7812	.2810	.3200	-
7/16	.7812	.3310	.3780	-
1/2	.8906	.3310	.4350	-
9/16	.9200	.3310	.5000	-
5/8	.9531	.4010	.5550	-
3/4	1.0156	.4560	.6700	-
7/8	1.0156	.4560	.8050	.5000
1	1.1406	.5160	.9200	.5000
1 1/4	1.1406	.5160	1.1510	.5000



Advanced Performance Weldon Flat (AF)

Shank Diameter	Z ±.015	W ±.001	X ±.004	U ±.031
3/8	.8310	.2810	.3200	-
7/16	.8310	.3310	.3780	-
1/2	.9400	.3310	.4350	-
5/8	1.1580	.4010	.5550	-
3/4	1.0500	.4560	.6700	-
7/8	1.0500	.4560	.8050	-
1	1.1700	.5160	.9200	.9000
1 1/4	1.1700	.5160	1.1510	.9000
1 1/2	1.1700	.5160	1.4010	.9000

For new applications, we recommend the AF. For existing applications using our WF, we recommend staying with our WF unless issues have occurred.

*We cannot guarantee or accept the return of any End Mill with a Flat put on by the customer.

END MILLS

AlumaMill™

3825 AlumaMill - Square End



2 Flutes
 45° High Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 19
1/8	SD	1/2	1/8	1 1/2	38214	38095
3/16	SD	5/8	3/16	2	38216	38096
1/4	STB	1/2	1/4	2	38226	38103
	SD	1	1/4	2 1/2	38218	38097
	XL	2	1/4	4	38236	38108
5/16	XL	1 1/8	5/16	3	38238	38109
3/8	STB	5/8	3/8	2 1/2	38228	38104
	SD	1	3/8	2 1/2	38220	38098
	XL	2	3/8	4	38240	38110
1/2	STB	3/4	1/2	3	38230	38105
	SD	1 1/4	1/2	3	38200	38099
	XL	2	1/2	4	38242	38111
5/8	STB	1	5/8	3 1/2	38232	38106
	SD	1 5/8	5/8	3 1/2	38222	38100
3/4	STB	1	3/4	4	38234	38107
	SD	1 3/4	3/4	4	38212	38101
	XL	2 1/2	3/4	5	38244	38112
1	SD	1 3/4	1	5	38224	38102

Advanced Performance



SQUARE



2 FLUTES



CENTER CUTTING



STB SD XL LENGTHS

UNCOATED

FC-19

COATING

1

IMPERIAL

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

END MILLS

3825 AlumaMill - Square End Long Reach

AlumaMill™



2 Flutes
 45° High Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	EDP Number
							UC
1/8	LR	1/4	1/8	3	3/4	0.1200	38213
3/16	LR	5/16	3/16	3	3/4	0.1800	38211
1/4	LR	1/2	1/4	3	1 1/8	0.2400	38210
	LR	1/2	1/4	4	2 1/8	0.2400	38199
3/8	LR	5/8	3/8	4	1 1/8	0.3600	38227
	LR	5/8	3/8	6	3 1/8	0.3600	38221
1/2	LR	3/4	1/2	4	2 1/4	0.4800	38198
	LR	3/4	1/2	6	3 1/2	0.4800	38197
3/4	LR	1	3/4	4	2 1/4	0.7200	38229
	LR	1	3/4	6	3 1/8	0.7200	38231
1	LR	1 1/4	1	5	2 1/2	0.9700	38223
	LR	1 1/4	1	6	3 3/8	0.9700	38225

Advanced Performance



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

END MILLS

AlumaMill™

3825 AlumaMill - Ball End



2 Flutes
 45° High Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 19
1/8	SD	1/2	1/8	1 1/2	38510	38113
3/16	SD	5/8	3/16	2	38512	38114
1/4	STB	1/2	1/4	2	38526	38121
	SD	1	1/4	2 1/2	38514	38115
	XL	2	1/4	4	38536	38126
5/16	XL	1 1/8	5/16	3	38538	38127
3/8	STB	5/8	3/8	2 1/2	38528	38122
	SD	1	3/8	2 1/2	38516	38116
	XL	2	3/8	4	38540	38128
1/2	STB	3/4	1/2	3	38530	38123
	SD	1 1/4	1/2	3	38518	38117
	XL	2	1/2	4	38542	38129
5/8	STB	1	5/8	3 1/2	38532	38124
	SD	1 5/8	5/8	3 1/2	38520	38118
3/4	STB	1	3/4	4	38534	38125
	SD	1 3/4	3/4	4	38522	38119
	XL	2 1/2	3/4	5	38544	38130
1	SD	1 3/4	1	5	38524	38120
Metric						
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	

Advanced Performance



BALL



2 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

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

END MILLS

3825 AlumaMill - Radius End

AlumaMill™



2 Flutes
 45° High Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number
						UC
1/4	SD	1	1/4	2 1/2	0.0150	38600
	SD	1	1/4	2 1/2	0.0200	38601
	SD	1	1/4	2 1/2	0.0300	38602
	SD	1	1/4	2 1/2	0.0450	38603
3/8	SD	1	3/8	2 1/2	0.0150	38604
	SD	1	3/8	2 1/2	0.0200	38605
	SD	1	3/8	2 1/2	0.0300	38606
	SD	1	3/8	2 1/2	0.0450	38607
1/2	SD	1 1/4	1/2	3	0.0150	38608
	SD	1 1/4	1/2	3	0.0200	38609
	SD	1 1/4	1/2	3	0.0300	38610
	SD	1 1/4	1/2	3	0.0450	38611
	SD	1 1/4	1/2	3	0.0600	38612
	SD	1 1/4	1/2	3	0.0900	38613
	SD	1 1/4	1/2	3	0.1250	38614
	SD	1 5/8	5/8	3 1/2	0.0150	38615
5/8	SD	1 5/8	5/8	3 1/2	0.0200	38616
	SD	1 5/8	5/8	3 1/2	0.0300	38617
	SD	1 5/8	5/8	3 1/2	0.0450	38618
	SD	1 5/8	5/8	3 1/2	0.0600	38619
	SD	1 5/8	5/8	3 1/2	0.0900	38620
	SD	1 5/8	5/8	3 1/2	0.1250	38621
	SD	1 3/4	3/4	4	0.0150	38622
	SD	1 3/4	3/4	4	0.0200	38623
3/4	SD	1 3/4	3/4	4	0.0300	38624
	SD	1 3/4	3/4	4	0.0450	38625
	SD	1 3/4	3/4	4	0.0600	38626
	SD	1 3/4	3/4	4	0.0900	38627
	SD	1 3/4	3/4	4	0.1250	38628
	SD	1 3/4	1	5	0.0150	38629
1	SD	1 3/4	1	5	0.0200	38630
	SD	1 3/4	1	5	0.0300	38631
	SD	1 3/4	1	5	0.0450	38632
	SD	1 3/4	1	5	0.0600	38633
	SD	1 3/4	1	5	0.0900	38634
	SD	1 3/4	1	5	0.1250	38635

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

Advanced Performance



RADIUS

2

FLUTES



CENTER CUTTING

SD

STANDARD

UC

UNCOATED

I

IMPERIAL

END MILLS

AlumaMill G3 3833 AlumaMill G3 - Square End



3 Flutes
 37.5° Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.0005"
 +.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 5
1/8	STB	1/4	1/8	1 1/2	27045	27055
	SD	1/2	1/8	2	27000	27010
	SD	3/4	1/8	2	27100	27065
3/16	STB	5/16	3/16	2	27046	27056
	SD	3/8	3/16	2	27101	27066
	SD	5/8	3/16	2	27001	27011
1/4	STB	1/2	1/4	2	27047	27057
	SD	1/2	1/4	2 1/2	27102	27067
	SD	3/4	1/4	2 1/2	27103	27068
	SD	1	1/4	2 1/2	27002	27012
	SD	1 1/4	1/4	3	27104	27069
	XL	2	1/4	4	27020	27033
5/16	STB	7/16	17/32	2 1/2	27105	27070
	STB	1/2	17/32	2 1/2	27048	27058
	SD	13/16	17/32	2 1/2	27106	27071
	SD	1	17/32	2 1/2	27003	27013
	SD	1 1/4	17/32	3	27107	27072
	XL	1 1/4	17/32	4	27021	27034
3/8	STB	1/2	3/8	2 1/2	27049	27059
	SD	1	3/8	2 1/2	27004	27014
	SD	1	3/8	3	27088	27089
	XL	1 1/2	3/8	4	27118	
7/16	XL	2	3/8	4	27022	27035
	STB	9/16	7/16	2 3/4	27050	27060
	SD	1	7/16	2 3/4	27005	27015
	XL	2	7/16	4	27023	27036
1/2	SD	5/8	1/2	3	27108	27073
	STB	3/4	1/2	3	27051	27061
	SD	1	1/2	3	27109	27074
	SD	1 1/4	1/2	3	27006	27016
	SD	1 5/8	1/2	4	27952	
	XL	2	1/2	4	27024	27037
	XL	2 1/2	1/2	5	27110	27075
	XL	3 1/4	1/2	6	27025	27038
5/8	STB	3/4	5/8	3 1/2	27111	27076
	SD	1 1/4	5/8	3 1/2	27112	27077

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SQUARE



3 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

FAST
QUOTES

END MILLS

3833 AlumaMill G3 - Square End

AlumaMill G3



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 5
5/8	SD	1 5/8	5/8	3 1/2	27007	27017
	XL	2 1/2	5/8	5	27026	27039
	XL	3 1/4	5/8	6	27027	27040
	XL	3 3/4	5/8	6	27951	
3/4	STB	1	3/4	4	27053	27063
	SD	1 3/4	3/4	4	27008	27018
	XL	2 1/2	3/4	5	27028	27041
	XL	3 1/4	3/4	6	27029	27042
1	STB	1 1/4	1	4	27054	27064
	SD	1 3/4	1	4	27009	27019
	XL	2 1/2	1	5	27030	27043
	XL	3 1/4	1	6	27031	27044
	XL	4 1/8	1	7	27113	27917
Metric						
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
5.00	SD	16.00	4.00	50.00	93001	93013
	STB	13.00	5.00	51.00	27195	27196
6.00	SD	20.00	5.00	64.00	93002	93014
	STB	13.00	6.00	58.00	93101	93055
7.00	SD	25.00	6.00	64.00	93003	93015
	XL	50.00	6.00	100.00	93038	93046
8.00	SD	25.00	7.00	64.00	93004	93016
	STB	16.00	8.00	64.00	27319	27320
10.00	SD	25.00	8.00	64.00	93005	93017
	XL	50.00	8.00	100.00	93039	93047
	STB	15.00	10.00	64.00	27377	27378
12.00	SD	26.00	10.00	64.00	93006	93018
	XL	50.00	10.00	100.00	93040	93048
	STB	20.00	12.00	76.00	27435	27436
14.00	SD	30.00	12.00	84.00	93007	93019
	XL	50.00	12.00	100.00	93041	93049
	SD	20.00	14.00	76.00	27575	27576
16.00	SD	30.00	14.00	84.00	93008	93020
	XL	57.00	14.00	125.00	93042	93050
	STB	30.00	16.00	89.00	27653	27654
20.00	SD	41.00	16.00	89.00	93009	93021
	XL	63.00	16.00	150.00	93043	93051
	SD	30.00	20.00	100.00	27759	27760
25.00	SD	44.00	20.00	100.00	93010	93022
	XL	63.00	20.00	150.00	93044	93052
	SD	45.00	25.00	100.00	93011	93023
	XL	63.00	25.00	150.00	93045	93053

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LENGTHS



COATING



IMPERIAL METRIC

FAST
QUOTES

END MILLS

AlumaMill G3 3833 AlumaMill G3 - Square End Long Reach



3 Flutes
 37.5° Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	EDP Number	
							UC	FC 5
1/2	LR	5/8	1/2	4	2 1/4	0.4800	27130	27481
	LR	5/8	1/2	6	3 3/8	0.4800	27131	27494
3/4	LR	1	3/4	6	2 1/4	0.7200	27132	27709
	LR	1	3/4	6	3 3/8	0.7200	27133	27722
1	LR	1 1/4	1	6	3 3/8	0.9700	27134	27861
	LR	1 1/4	1	7	4 3/8	0.9700	27135	27874
Metric								
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

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3 FLUTES



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LONG REACH



UNCOATED
FC-5 COATING



IMPERIAL METRIC

FAST
QUOTES

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END MILLS

3833 AlumaMill G3 - Ball End

AlumaMill G3



3 Flutes
 37.5° Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.0005"
 +0.000mm -0.013mm

Advanced
 Performance



BALL



FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

FAST
 QUOTES

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 5
1/8	STB	1/4	1/8	1 1/2	27154	27155
	SD	1/2	1/8	2	27158	27159
	SD	3/4	1/8	2	27162	27163
3/16	STB	5/16	3/16	2	27182	27183
	SD	3/8	3/16	2	27187	27188
	SD	5/8	3/16	2	27193	27194
1/4	STB	1/2	1/4	2	27237	27238
	SD	1/2	1/4	2 1/2	27243	27244
	SD	3/4	1/4	2 1/2	27249	27250
	SD	1	1/4	2 1/2	27255	27256
	SD	1 1/4	1/4	3	27261	27262
	XL	2	1/4	4	27267	27268
5/16	STB	7/16	5/16	2 1/2	27287	27288
	STB	1/2	5/16	2 1/2	27293	27294
	SD	13/16	5/16	2 1/2	27299	27300
	SD	1	5/16	2 1/2	27305	27306
	SD	1 1/4	5/16	3	27311	27312
	XL	1 1/4	5/16	4	27317	27318
3/8	STB	1/2	3/8	2 1/2	27351	27352
	SD	1	3/8	2 1/2	27359	27360
	SD	1	3/8	3	27367	27368
	XL	1 1/2	3/8	4	27119	
	XL	2	3/8	4	27375	27376
7/16	STB	9/16	7/16	2 3/4	27417	27418
	SD	1	7/16	2 3/4	27425	27426
	XL	2	7/16	4	27433	27434
1/2	STB	5/8	1/2	3	27479	27480
	STB	3/4	1/2	3	27517	27518
	SD	1	1/2	3	27529	27530
	SD	1 1/4	1/2	3	27537	27538
	XL	2	1/2	4	27549	27550
	XL	2 1/2	1/2	5	27561	27562

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END MILLS

AlumaMill G3

3833 AlumaMill G3 - Ball End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 5
1/2	XL	3 1/4	1/2	6	27573	27574
	STB	3/4	5/8	3 1/2	27617	27618
5/8	SD	1 1/4	5/8	3 1/2	27621	27622
	SD	1 5/8	5/8	3 1/2	27631	27632
	XL	2 1/2	5/8	5	27641	27642
	XL	3 1/4	5/8	6	27651	27652
3/4	STB	1	3/4	4	27707	27708
	SD	1 3/4	3/4	4	27737	27738
	XL	2 1/2	3/4	5	27747	27748
	XL	3 1/4	3/4	6	27757	27758
1	STB	1 1/4	1	4	27859	27860
	SD	1 3/4	1	4	27895	27896
	XL	2 1/2	1	5	27905	27906
	XL	3 1/4	1	6	27915	27916
Metric						
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

Advanced Performance



BALL



FLUTES



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LENGTHS



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IMPERIAL METRIC

FAST
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END MILLS

3833 AlumaMill G3 - Ball End Long Reach

AlumaMill G3



3 Flutes
 37.5° Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	EDP Number	
							UC	FC 5
1/2	LR	5/8	1/2	4	2 1/4	.4800	27492	27493
	LR	5/8	1/2	6	3 3/8	.4800	27505	27506
3/4	LR	1	3/4	6	2 1/4	.7200	27720	27721
	LR	1	3/4	6	3 3/8	.7200	27733	27734
1	LR	1 1/4	1	6	3 3/8	.9700	27872	27873
Metric								
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

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BALL

3

FLUTES



CENTER CUTTING

LR

LONG REACH

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FC-5

COATING

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IMPERIAL METRIC

FAST
QUOTES

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END MILLS

AlumaMill G3

3833 AlumaMill G3 - Radius End



3 Flutes

37.5° Right Hand Spiral

Right Hand Cut

Dura Carb (Micrograin)

Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.0005"
+0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number	
						UC	FC 5
1/8	STB	1/4	1/8	1 1/2	.0150	27152	27153
	SD	1/2	1/8	2	.0150	27156	27157
	SD	3/4	1/8	2	.0150	27160	27161
3/16	SD	5/16	3/16	2	.0150	27178	27179
	SD	5/16	3/16	2	.0300	27180	27181
	SD	3/8	3/16	2	.0150	27950	27184
	SD	3/8	3/16	2	.0300	27185	27186
	SD	5/8	3/16	2	.0150	27189	
	SD	5/8	3/16	2	.0300	27190	27192
	SD	5/8	3/16	2	.0300	27190	27192
1/4	STB	1/2	1/4	2	.0150	27233	27234
	STB	1/2	1/4	2	.0300	27235	27236
	SD	1/2	1/4	2 1/2	.0150	27239	27240
	SD	1/2	1/4	2 1/2	.0300	27241	27242
	SD	3/4	1/4	2 1/2	.0150	27245	27246
	SD	3/4	1/4	2 1/2	.0300	27247	27248
	SD	1	1/4	2 1/2	.0150	27251	27252
	SD	1	1/4	2 1/2	.0300	27253	27254
	SD	1 1/4	1/4	3	.0150	27257	27258
	SD	1 1/4	1/4	3	.0300	27259	27260
	XL	2	1/4	4	.0150	27263	27264
XL	2	1/4	4	.0300	27265	27266	
5/16	SD	7/16	5/16	2 1/2	.0150	27283	27284
	SD	7/16	5/16	2 1/2	.0300	27285	27286
	SD	1/2	5/16	2 1/2	.0300	27291	27292
	SD	13/16	5/16	2 1/2	.0150	27295	27296
	SD	13/16	5/16	2 1/2	.0300	27297	27298
	SD	1	5/16	2 1/2	.0150	27301	27302
	SD	1	5/16	2 1/2	.0300	27303	27304
	XL	1 1/4	5/16	4	.0150	27313	27314
	SD	1/2	3/8	2 1/2	.0150	27345	27346
SD	1/2	3/8	2 1/2	.0300	27347	27348	

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CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

FAST
QUOTES

END MILLS

3833 AlumaMill G3 - Radius End

AlumaMill G3



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number		
						UC	FC 5	
3/8	SD	1/2	3/8	2 1/2	.0600	27349	27350	
	SD	1	3/8	2 1/2	.0150	27353	27354	
	SD	1	3/8	2 1/2	.0300	27355	27356	
	SD	1	3/8	2 1/2	.0600	27357	27358	
	SD	1	3/8	3	.0150	27361	27362	
	SD	1	3/8	3	.0300	27363	27364	
	SD	1	3/8	3	.0600	27365	27366	
	XL	1 1/2	3/8	4	.0150	27116		
	XL	1 1/2	3/8	4	.0300	27117		
	XL	2	3/8	4	.0150	27369	27370	
	XL	2	3/8	4	.0300	27371	27372	
	XL	2	3/8	4	.0600	27373	27374	
	7/16	SD	9/16	7/16	2 3/4	.0600	27415	27416
		SD	1	7/16	2 3/4	.0150	27419	27420
SD		1	7/16	2 3/4	.0600	27423	27424	
XL		2	7/16	4	.0150	27427	27428	
STB		5/8	1/2	3	.0150	27469	27470	
1/2	STB	5/8	1/2	3	.0300	27471	27472	
	STB	5/8	1/2	3	.0600	27473	27474	
	STB	5/8	1/2	3	.0900	27475	27476	
	STB	5/8	1/2	3	.1200	27477	27478	
	SD	3/4	1/2	3	.0150	27507	27508	
	SD	3/4	1/2	3	.0300	27509	27510	
	SD	3/4	1/2	3	.0600	27511	27512	
	SD	3/4	1/2	3	.0900	27513	27514	
	SD	3/4	1/2	3	.1200	27515	27516	
	SD	1	1/2	3	.0150	27519	27520	
	SD	1	1/2	3	.0300	27521	27522	
	SD	1	1/2	3	.0600	27523	27524	
	SD	1	1/2	3	.0900	27525	27526	
	SD	1	1/2	3	.1200	27527	27528	
	SD	1 1/4	1/2	3	.0150	27531	27532	
	SD	1 1/4	1/2	3	.0300	27120	27080	
	SD	1 1/4	1/2	3	.0600	27121	27081	
	SD	1 1/4	1/2	3	.0900	27533	27534	
	SD	1 1/4	1/2	3	.1200	27535	27536	
	XL	2	1/2	4	.0150	27539	27540	
XL	2	1/2	4	.0300	27541	27542		
XL	2	1/2	4	.0600	27543	27544		
XL	2	1/2	4	.0900	27545	27546		
XL	2	1/2	4	.1200	27547	27548		
XL	2 1/2	1/2	5	.0150	27551	27552		
XL	2 1/2	1/2	5	.0300	27553	27554		
XL	2 1/2	1/2	5	.0600	27555	27556		
XL	2 1/2	1/2	5	.0900	27557	27558		
XL	2 1/2	1/2	5	.1200	27559	27560		
XL	3 1/4	1/2	6	.0150	27563	27564		

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END MILLS

AlumaMill G3

3833 AlumaMill G3 - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number		
						UC	FC 5	
1/2	XL	3 1/4	1/2	6	.0300	27565	27566	
	XL	3 1/4	1/2	6	.0600	27567	27568	
	XL	3 1/4	1/2	6	.1200	27571	27572	
5/8	STB	3/4	5/8	3 1/2	.0150	27609	27610	
	SD	3/4	5/8	3 1/2	.0300	27611	27612	
	SD	3/4	5/8	3 1/2	.0600	27613	27614	
	SD	3/4	5/8	3 1/2	.1200	27928	27929	
	SD	1 1/4	5/8	3 1/2	.0300	27122	27082	
	SD	1 1/4	5/8	3 1/2	.0600	27123	27083	
	SD	1 1/4	5/8	3 1/2	.0900	27619	27620	
	SD	1 1/4	5/8	3 1/2	.1200	27124	27084	
	SD	1 5/8	5/8	3 1/2	.0300	27623	27624	
	SD	1 5/8	5/8	3 1/2	.0600	27625	27626	
	SD	1 5/8	5/8	3 1/2	.1200	27629	27630	
	XL	2 1/2	5/8	5	.0300	27633	27634	
	XL	2 1/2	5/8	5	.0600	27635	27636	
	XL	2 1/2	5/8	5	.1200	27639	27640	
	XL	3 1/4	5/8	6	.0300	27643	27644	
XL	3 1/4	5/8	6	.1200	27649	27650		
3/4	SD	1	3/4	4	.0300	27699	27700	
	SD	1	3/4	4	.0600	27701	27702	
	SD	1	3/4	4	.0900	27703	27704	
	SD	1	3/4	4	.1200	27705	27706	
	SD	1 3/4	3/4	4	.0300	27125	27085	
	SD	1 3/4	3/4	4	.0600	27126	27086	
	SD	1 3/4	3/4	4	.0900	27735	27736	
	SD	1 3/4	3/4	4	.1200	27127	27087	
	XL	2 1/2	3/4	5	.0300	27739	27740	
	XL	2 1/2	3/4	5	.0600	27741	27742	
	XL	2 1/2	3/4	5	.1200	27745	27746	
	XL	3 1/4	3/4	6	.0300	27749	27750	
	XL	3 1/4	3/4	6	.0900	27753	27754	
	XL	3 1/4	3/4	6	.1200	27755	27756	
	1	SD	1 1/4	1	4	.0300	27851	27852
SD		1 1/4	1	4	.0600	27853	27854	
SD		1 1/4	1	4	.1200	27857	27858	
SD		1 3/4	1	4	.0600	27889	27890	
SD		1 3/4	1	4	.1200	27893	27894	
XL		2 1/2	1	5	.0300	27897	27898	
XL		2 1/2	1	5	.0600	27899	27900	
XL		2 1/2	1	5	.1200	27903	27904	
XL		3 1/4	1	6	.0600	27909	27910	
XL		3 1/4	1	6	.0900	27911	27912	
XL		3 1/4	1	6	.1200	27913	27914	
XL		4 1/8	1	7	.0300	27918	27919	
XL		4 1/8	1	7	.0600	27920	27921	
Metric								
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	

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END MILLS

3833 AlumaMill G3 - Radius End

AlumaMill G3



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number	
						UC	FC 5
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
6.00	SD	20.00	5.00	64.00	1.00	27932	
	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
	STB	15.00	10.00	64.00	0.50	27379	27380
10.00	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

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END MILLS

AlumaMill G3

3833 AlumaMill G3 - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number	
						UC	FC 5
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
	SD	30.00	20.00	100.00	0.50	27761	27762
20.00	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

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END MILLS

3833 AlumaMill G3 - Radius End Long Reach

AlumaMill G3



3 Flutes
 37.5° Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0005" -.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	Corner Radius	EDP Number	
								UC	FC 5
1/2	LR	5/8	1/2	4	2 1/4	.4800	.0150	27482	27483
	LR	5/8	1/2	4	2 1/4	.4800	.0300	27484	27485
	LR	5/8	1/2	4	2 1/4	.4800	.0600	27486	27487
	LR	5/8	1/2	4	2 1/4	.4800	.0900	27488	27489
	LR	5/8	1/2	4	2 1/4	.4800	.1200	27490	27491
	LR	5/8	1/2	6	3 3/8	.4800	.0150	27495	27496
	LR	5/8	1/2	6	3 3/8	.4800	.0300	27497	27498
	LR	5/8	1/2	6	3 3/8	.4800	.0600	27499	27500
	LR	5/8	1/2	6	3 3/8	.4800	.0900	27501	27502
	LR	5/8	1/2	6	3 3/8	.4800	.1200	27503	27504
3/4	LR	1	3/4	6	2 1/4	.7200	.0150	27710	27711
	LR	1	3/4	6	3 3/8	.7200	.0150	27723	27724
	LR	1	3/4	6	2 1/4	.7200	.0300	27712	27713
	LR	1	3/4	6	3 3/8	.7200	.0300	27725	27726
	LR	1	3/4	6	2 1/4	.7200	.0600	27714	27715
	LR	1	3/4	6	3 3/8	.7200	.0600	27727	27728
	LR	1	3/4	6	2 1/4	.7200	.1200	27718	27719
	LR	1	3/4	6	3 3/8	.7200	.1200	27731	27732
	LR	1 1/4	1	6	3 3/8	.9700	.0150	27862	27863
	LR	1 1/4	1	6	3 3/8	.9700	.0300	27864	27865
1	LR	1 1/4	1	6	3 3/8	.9700	.1200	27870	27871
	LR	1 1/4	1	7	4 3/8	.9700	.1200	27883	27884
	Metric								
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

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END MILLS

AlumaMill G3

3833 AlumaMill G3 - Radius End Long Reach

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	Corner Radius	EDP Number	
								UC	FC 5
10.00	LR	26.00	10.00	100.00	57.00	9.60	2.00	27948	27949
	LR	25.00	12.00	100.00	57.00	11.60	0.50	27445	27446
12.00	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

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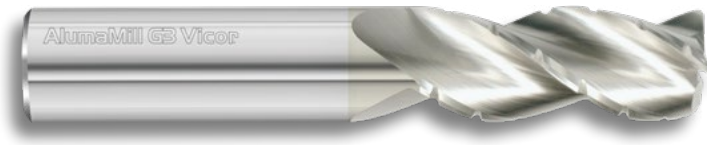
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END MILLS

3805 AlumaMill G3 Vicor - Radius End **AlumaMill G3 Vicor**



3 Flutes
 37.5° High Helix
 Chip Breakers
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
3/8	SD	1	3/8	2 1/2	38490
1/2	SD	1 1/4	1/2	3	38491
5/8	SD	1 5/8	5/8	3 1/2	38492
3/4	SD	1 3/4	3/4	4	38493

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FLUTES



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SD

STANDARD

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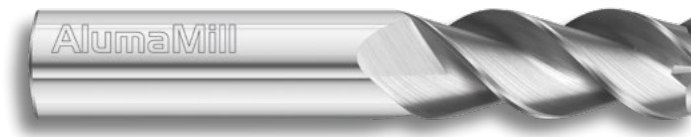
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 ■ Plastics
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END MILLS

AlumaMill™

3835 AlumaMill - Square End



3 Flutes
 36° High Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 19
1/8	STB	1/4	1/8	1 1/2	38366	38141
	SD	1/2	1/8	1 1/2	38346	38131
3/16	STB	5/16	3/16	2	38368	38142
	SD	5/8	3/16	2	38348	38132
1/4	STB	1/2	1/4	2	38370	38143
	SD	1	1/4	2 1/2	38350	38133
	XL	2	1/4	4	38386	38153
5/16	STB	1/2	5/16	2 1/2	38372	38144
	SD	1	5/16	2 1/2	38352	38134
	XL	1 1/4	5/16	4	38388	38155
3/8	STB	5/8	3/8	2 1/2	38374	38145
	SD	1	3/8	2 1/2	38354	38135
	XL	2	3/8	4	38390	38157
7/16	STB	5/8	7/16	2 3/4	38376	38146
	SD	1	7/16	2 3/4	38356	38136
	XL	2	7/16	4	38392	38159
1/2	STB	3/4	1/2	3	38378	38147
	SD	1 1/4	1/2	3	38358	38137
	XL	2	1/2	4	38394	38161
	XL	3 1/4	1/2	6	38395	38163
5/8	STB	1	5/8	3 1/2	38380	38148
	SD	1 5/8	5/8	3 1/2	38360	38138
	XL	2 1/2	5/8	5	38396	38165
	XL	3 1/4	5/8	6	38397	38167
3/4	STB	1	3/4	4	38382	38149
	SD	1 3/4	3/4	4	38362	38139
	XL	2 1/2	3/4	5	38398	38169
	XL	3 1/4	3/4	6	38399	38171
1	STB	1 1/4	1	4	38384	38151
	SD	1 3/4	1	4	38364	38140
	XL	2 1/2	1	5	38400	38215
	XL	3 1/4	1	6	38402	38217

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3 FLUTES



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END MILLS

3835 AlumaMill - Square End

AlumaMill™



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 19
Metric						
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

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SQUARE

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FLUTES



CENTER CUTTING

STB SD
XL

LENGTHS

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COATING

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END MILLS

AlumaMill™

3835 AlumaMill - Square End Long Reach



3 Flutes
 36° High Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.0005"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	EDP Number	
							UC	FC 19
Metric								
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

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SQUARE



3 FLUTES



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LONG REACH



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END MILLS

6300 PCD MATRX - Ball/Radius End



3 Flutes
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.000mm -0.013mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	Corner Radius	EDP Number
								UC
Ball								
1/4	LR	3/8	1/4	2 1/2	3/4	.2100		25612
	LR	1/2	1/4	3	1 1/2	.2100		25613
3/8	LR	3/8	3/8	2 1/2	3/4	.3150		25614
	LR	3/4	3/8	4	1 1/2	.3150		25615
1/2	LR	1/2	1/2	4	1	.4200		25616
	LR	1	1/2	4	2	.4200		25617
Radius								
1/4	LR	3/8	1/4	2 1/2	3/4	.2100	.0100	25600
	LR	3/4	1/4	3	1 1/2	.2100	.0100	25601
3/8	LR	3/8	3/8	2 1/2	3/4	.3150	.0100	25602
	LR	3/4	3/8	4	1 1/2	.3150	.0100	25603
1/2	LR	1/2	1/2	4	1	.4200	.0100	25604
	LR	1	1/2	4	2	.4200	.0100	25605
Radius Metric								
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

Advanced Performance



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

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

END MILLS

3335 Alloy Steel Rougher - Radius End



3 Flutes
 35° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number
						TIALN
1/8	STB	1/4	1/8	1 1/2	.0080	33400
	SD	1/2	1/8	1 1/2	.0080	33450
3/16	STB	5/16	3/16	2	.0080	33404
	SD	9/16	3/16	2	.0080	33454
1/4	STB	3/8	1/4	2	.0150	33408
	SD	3/4	1/4	2 1/2	.0150	33458
5/16	STB	7/16	5/16	2 1/2	.0150	33412
	SD	13/16	5/16	2 1/2	.0150	33462
3/8	STB	1/2	3/8	2 1/2	.0150	33416
	SD	1	3/8	2 1/2	.0150	33466
7/16	STB	9/16	7/16	2 3/4	.0150	33418
	SD	1	7/16	2 3/4	.0150	33468
1/2	STB	5/8	1/2	3	.0300	33420
	SD	1 1/4	1/2	3	.0300	33470
5/8	STB	3/4	5/8	3 1/2	.0300	33422
	SD	1 5/8	5/8	3 1/2	.0300	33472
3/4	STB	1	3/4	4	.0300	33424
	SD	1 5/8	3/4	4	.0300	33474
1	STB	1 1/4	1	4	.0300	33426
	SD	2	1	4	.0300	33476

Advanced Performance



RADIUS

3

FLUTES



CENTER CUTTING



LENGTHS

TIALN

COATING



IMPERIAL

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 ■ Low Si Al ■ Composites ■ Plastics ■ Wood ■ General Purpose

END MILLS



3000 Intimidator - Square End



- 4 Flutes
- Unequally Spaced Index
- Specially Designed Relief
- Right Hand Spiral
- Right Hand Cut
- Chatter-Free Machining
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Weldon Flat	EDP Number
						FC 18
1/8	SD	1/2	1/8	1 1/2		34290
3/16	STB	3/8	3/16	2		34551
	SD	5/8	3/16	2		34291
1/4	STB	3/8	1/4	2		34552
	SD	3/4	1/4	2 1/2		34292
	XL	1 3/4	1/4	4		34510
5/16	STB	1/2	5/16	2 1/2		34553
	SD	3/4	5/16	2 1/2		34503
	XL	1 1/4	5/16	3 1/4		34511
3/8	STB	1/2	3/8	2 1/2		34554
	SD	7/8	3/8	2 1/2		34293
	XL	2	3/8	4		34512
1/2	SD	1	1/2	3	✓	34294
	XL	1 1/4	1/2	3		34240
	XL	1 1/4	1/2	3	✓	34513
	XL	2	1/2	4		34242
	XL	2	1/2	4	✓	34514
	XL	3	1/2	5		34246
	XL	3	1/2	5	✓	34515
5/8	SD	1 1/4	5/8	3 1/2		34254
	SD	1 1/4	5/8	3 1/2	✓	34295
	SD	1 5/8	5/8	4	✓	34288
	XL	2 1/4	5/8	5		34264
	XL	2 1/4	5/8	5	✓	34516
3/4	SD	1 1/2	3/4	4	✓	34296
	SD	1 5/8	3/4	4	✓	34289
3/4	XL	2 1/4	3/4	5		34327
	XL	2 1/4	3/4	5	✓	34517
	XL	3	3/4	6		34329
	XL	3	3/4	6	✓	34518

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 ■ Steels
 ■ Cast Iron
■ Brass & Copper
 ■ High Si Al
 ■ Low Si Al
 ■ General Purpose

Advanced Performance



SQUARE



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



FC-18 COATING



I M IMPERIAL METRIC



END MILLS

3000 Intimidator - Square End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Weldon Flat	EDP Number
						FC 18
1	SD	1 1/2	1	4	✓	34297
	XL	2	1	5	✓	34298
	XL	3	1	6		34361
	XL	3	1	6	✓	34519
Metric						
4.00	STB	8.00	4.00	50.00		93901
5.00	SD	16.00	5.00	64.00		93802

Advanced Performance



SQUARE

4

FLUTES



CENTER CUTTING



LENGTHS

FC-18

COATING



IMPERIAL METRIC

FAST
QUOTES

- Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron
- Brass & Copper ■ High Si Al ■ Low Si Al ■ General Purpose



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

END MILLS



3000 Intimidator - Chamfer End



4 Flutes

- Unequally Spaced Index
- Specially Designed Relief
- Right Hand Spiral
- Right Hand Cut

Chatter-Free Machining

Dura Carb (Micrograin)

Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"
+0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Chamfer Angle	Chamfer Size	Weldon Flat	EDP Number
								FC 18
3/16	STB	3/8	3/16	2	45°	.0100		34371
	SD	3/8	1/4	2	45°	.0100		34351
1/4	SD	3/4	1/4	2 1/2	45°	.0100		34302
	XL	1 3/4	1/4	4	45°	.0100		34520
5/16	SD	3/4	5/16	2 1/2	45°	.0100		34303
	XL	1 1/4	5/16	3 1/4	45°	.0100		34521
3/8	STB	1/2	3/8	2 1/2	45°	.0200		34353
	SD	7/8	3/8	2 1/2	45°	.0200		34304
	XL	2	3/8	4	45°	.0200		34522
1/2	STB	5/8	1/2	3	45°	.0200	✓	34354
	SD	1	1/2	3	45°	.0200	✓	34306
	SD	1 1/8	1/2	3	45°	.0200	✓	34305
	SD	1 1/4	1/2	3	45°	.0200	✓	34307
	XL	3	1/2	5	45°	.0200		34247
5/8	XL	3	1/2	5	45°	.0200	✓	34523
	STB	3/4	5/8	3 1/2	45°	.0200	✓	34355
	XL	2 1/4	5/8	5	45°	.0200		34265
	XL	2 1/4	5/8	5	45°	.0200	✓	34524
3/4	SD	1 1/2	3/4	4	45°	.0200	✓	34311
	XL	2 1/4	3/4	5	45°	.0200		34328
	XL	2 1/4	3/4	5	45°	.0200	✓	34525
	XL	3	3/4	6	45°	.0200		34330
	XL	3	3/4	6	45°	.0200	✓	34526
1	XL	2	1	5	45°	.0200	✓	34315
	XL	3	1	6	45°	.0200		34362
	XL	3	1	6	45°	.0200	✓	34527

Advanced Performance



CHAMFER



4 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL

FAST
QUOTES

- Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron
- Brass & Copper ■ High Si Al ■ Low Si Al ■ General Purpose

END MILLS

3000 Intimidator - Radius End



- 4 Flutes
- Unequally Spaced Index
- Specially Designed Relief
- Right Hand Spiral
- Right Hand Cut
- Chatter-Free Machining
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
1/8	SD	1/2	1/8	1 1/2	.0100		FC 18 34400
	SD	1/2	1/8	1 1/2	.0200		34401
3/16	STB	3/8	3/16	2	.0300		34364
	SD	5/8	3/16	2	.0100		34402
	SD	5/8	3/16	2	.0200		34403
	SD	5/8	3/16	2	.0300		34404
1/4	SD	3/4	1/4	2 1/2	.0100		34405
	SD	3/4	1/4	2 1/2	.0200		34406
	SD	3/4	1/4	2 1/2	.0300		34407
	SD	3/4	1/4	2 1/2	.0450		34408
	XL	1 3/4	1/4	4	.0100		34528
	XL	1 3/4	1/4	4	.0200		34529
5/16	XL	1 1/4	1/4	4	.0300		34530
	XL	1 1/4	5/16	3 1/4	.0300		34531
3/8	SD	7/8	3/8	2 1/2	.0100		34409
	SD	7/8	3/8	2 1/2	.0200		34410
	SD	7/8	3/8	2 1/2	.0300		34411
	SD	7/8	3/8	2 1/2	.0450		34412
	SD	7/8	3/8	2 1/2	.0600		34413
	XL	2	3/8	4	.0300		34532
	XL	2	3/8	4	.0600		34533
	SD	7/8	1/2	3	.0100	✓	34414
1/2	SD	7/8	1/2	3	.0200	✓	34415
	SD	7/8	1/2	3	.0450		34232
	SD	7/8	1/2	3	.0450	✓	34417
	SD	1	1/2	3	.0300	✓	34416
	SD	1	1/2	3	.0600	✓	34418
	SD	1	1/2	3	.1250	✓	34420
	XL	2	1/2	4	.0200		34244
	XL	2	1/2	4	.0200	✓	34500
	XL	2	1/2	4	.1200		34245

Advanced Performance



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END MILLS



3000 Intimidator - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 18
1/2	XL	2	1/2	4	.1200	✓	34502
	XL	3	1/2	5	.0300		34248
	XL	3	1/2	5	.0300	✓	34534
	XL	3	1/2	5	.0600		34249
	XL	3	1/2	5	.0600	✓	34535
	XL	3	1/2	5	.0900		34250
	XL	3	1/2	5	.0900	✓	34536
	XL	3	1/2	5	.1200		34251
	XL	3	1/2	5	.1200	✓	34537
5/8	SD	1 1/4	5/8	3 1/2	.0300	✓	34421
	SD	1 1/4	5/8	3 1/2	.0600	✓	34423
	XL	2 1/4	5/8	5	.0300		34266
	XL	2 1/4	5/8	5	.0300	✓	34538
	XL	2 1/4	5/8	5	.0600		34267
	XL	2 1/4	5/8	5	.0600	✓	34539
	XL	2 1/4	5/8	5	.0900		34268
	XL	2 1/4	5/8	5	.0900	✓	34540
	XL	2 1/4	5/8	5	.1200		34269
XL	2 1/4	5/8	5	.1200	✓	34541	
3/4	SD	1 1/2	3/4	4	.0300	✓	34426
	SD	1 1/2	3/4	4	.0450	✓	34427
	XL	3	3/4	6	.0300		34331
	XL	3	3/4	6	.0300	✓	34542
	XL	3	3/4	6	.0600		34332
	XL	3	3/4	6	.0600	✓	34543
	XL	3	3/4	6	.0900		34333
	XL	3	3/4	6	.0900	✓	34544
	XL	3	3/4	6	.1200		34334
XL	3	3/4	6	.1200	✓	34545	
1	XL	3	1	6	.0300		34363
	XL	3	1	6	.0300	✓	34546
	XL	3	1	6	.0600		34368
	XL	3	1	6	.0600	✓	34547
	XL	3	1	6	.0900		34365
	XL	3	1	6	.0900	✓	34548
	XL	3	1	6	.1200		34367
XL	3	1	6	.1200	✓	34549	
Metric							
4.00	SD	14.00	4.00	50.00	0.50		93811
8.00	SD	22.00	8.00	64.00	0.50		93817
	SD	22.00	8.00	64.00	1.00		93819

Advanced Performance



RADIUS



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



FC-18 COATING



I M IMPERIAL METRIC



■ Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ General Purpose

END MILLS

3400 Harmon-i-Cut - Square End



- 4 Individually Designed Flutes
- Variable Helix
- Variable Index
- Variable Rake
- Right Hand Spiral
- Right Hand Cut
- Superior Core Strength
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Advanced
Performance



SQUARE

4

FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

FAST
QUOTES

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Weldon Flat	EDP Number
						FC 18
1/8	STB	1/4	1/8	1 1/2		34900
	SD	1/2	1/8	1 1/2		34001
3/16	SD	7/16	3/16	2		34751
	SD	5/8	3/16	2		34005
1/4	STB	3/8	1/4	2		34902
	SD	3/4	1/4	2 1/2		34009
5/16	SD	1/2	5/16	2		34752
	SD	7/8	5/16	2 1/2		34013
3/8	STB	1/2	3/8	2 1/2		34904
	SD	1	3/8	2 1/2		34017
7/16	SD	1	7/16	2 3/4		34021
	STB	5/8	1/2	3		34906
1/2	SD	1	1/2	3		34025
	SD	1 1/4	1/2	3		34027
	STB	3/4	5/8	3 1/2		34908
5/8	SD	1 1/2	5/8	3 1/2		34029
	STB	7/8	3/4	4		34910
3/4	SD	1 1/2	3/4	4		34033
	SD	1 1/2	1	4		34037
Metric						
3.00	STB	6.00	3.00	38.00		92417
	SD	12.00	3.00	38.00		92410

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END MILLS



3400 Harmon-i-Cut - Square End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Weldon Flat	EDP Number
						FC 18
4.00	STB	8.00	4.00	50.00		92603
	SD	14.00	4.00	50.00		92611
5.00	STB	10.00	5.00	51.00		92604
	SD	16.00	5.00	64.00		92612
6.00	STB	10.00	6.00	50.00		92418
	SD	20.00	6.00	64.00		92555
	SD	20.00	6.00	76.00		92411
8.00	STB	12.00	8.00	50.00		92419
	SD	22.00	8.00	64.00		92556
	SD	22.00	8.00	76.00		92412
10.00	STB	12.00	10.00	50.00		92420
	SD	25.00	10.00	64.00		92557
	SD	25.00	10.00	89.00		92413
12.00	STB	16.00	12.00	63.00		92421
	SD	25.00	12.00	76.00		92558
	SD	25.00	12.00	100.00		92414
16.00	STB	20.00	16.00	89.00		92422
	SD	38.00	16.00	100.00		92415
20.00	SD	38.00	20.00	100.00		92416
	XL	63.00	20.00	125.00		92630
25.00	SD	38.00	25.00	100.00		92613

Advanced Performance



SQUARE



4 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC



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END MILLS

3400 Harmon-i-Cut - Ball End



- 4 Individually Designed Flutes
- Variable Helix
- Variable Index
- Variable Rake
- Right Hand Spiral
- Right Hand Cut
- Superior Core Strength
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					FC 18
1/8	STB	1/4	1/8	1 1/2	34924
	SD	1/2	1/8	1 1/2	34081
3/16	SD	5/8	3/16	2	34085
1/4	STB	3/8	1/4	2	34926
	SD	3/4	1/4	2 1/2	34089
5/16	SD	7/8	5/16	2 1/2	34093
3/8	STB	1/2	3/8	2 1/2	34928
	SD	1	3/8	2 1/2	34097
7/16	SD	1	7/16	2 3/4	34101
1/2	STB	5/8	1/2	3	34930
	SD	1	1/2	3	34105
5/8	SD	1 1/4	1/2	3	34107
	STB	3/4	5/8	3 1/2	34932
3/4	SD	1 1/2	5/8	3 1/2	34109
	STB	7/8	3/4	4	34934
1	SD	1 1/2	3/4	4	34113
	SD	1 1/2	1	4	34117

Advanced Performance



BALL



4 FLUTES



CENTER CUTTING



STB SD LENGTHS



FC-18 COATING



IMPERIAL

FAST
QUOTES

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END MILLS



3400 Harmon-i-Cut - Radius End



4 Individually Designed Flutes

- Variable Helix
- Variable Index
- Variable Rake
- Right Hand Spiral
- Right Hand Cut

Superior Core Strength

Dura Carb (Micrograin)

Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 18
1/8	STB	1/4	1/8	1 1/2	.0100		34912
	SD	1/4	1/8	1 1/2	.0200		34754
	SD	1/2	1/8	1 1/2	.0100		34041
	SD	1/2	1/8	1 1/2	.0100	✓	34041W
3/16	SD	7/16	3/16	2	.0100		34755
	SD	7/16	3/16	2	.0300		34757
	SD	5/8	3/16	2	.0100		34045
	SD	5/8	3/16	2	.0200		34559
1/4	SD	5/8	3/16	2	.0300		34560
	SD	3/8	1/4	2	.0100		34758
	STB	3/8	1/4	2	.0200		34914
	SD	3/8	1/4	2	.0300		34759
	SD	3/8	1/4	2	.0600		34760
	SD	3/4	1/4	2 1/2	.0100		34561
	SD	3/4	1/4	2 1/2	.0200		34049
	SD	3/4	1/4	2 1/2	.0300		34050
	SD	3/4	1/4	2 1/2	.0600		34051
	SD	3/4	1/4	2 1/2	.0900		34052
5/16	SD	1/2	5/16	2	.0200		34762
	SD	1/2	5/16	2	.0300		34763
	SD	1/2	5/16	2	.0600		34764
	SD	1/2	5/16	2	.0900		34765
	SD	7/8	5/16	2 1/2	.0200		34053
	SD	7/8	5/16	2 1/2	.0300		34054
	SD	7/8	5/16	2 1/2	.0600		34055
3/8	STB	1/2	3/8	2 1/2	.0200		34916
	SD	1/2	3/8	2 1/2	.0600		34767
	SD	1/2	3/8	2 1/2	.0900		34768
	SD	1	3/8	2 1/2	.0200		34057
	SD	1	3/8	2 1/2	.0300		34059
	SD	1	3/8	2 1/2	.0600		34060

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Advanced Performance



RADIUS



4 FLUTES



CENTER CUTTING



STB SD LENGTHS



FC-18 COATING



I M IMPERIAL METRIC

FAST QUOTES

END MILLS

3400 Harmon-i-Cut - Radius End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 18
3/8	SD	1	3/8	2 1/2	.1200		34563
	SD	1	3/8	3	.0900		34169
	SD	2	3/8	4	.0200		34058
7/16	SD	1	7/16	2 3/4	.0200		34061
	SD	1	7/16	2 3/4	.0600		34565
	SD	1	7/16	2 3/4	.0900		34566
1/2	STB	5/8	1/2	3	.0300		34918
	STB	5/8	1/2	3	.0300	✓	34918W
	SD	1	1/2	3	.0300		34065
	SD	1	1/2	3	.0300	✓	34065W
	SD	1	1/2	3	.0600		34170
	SD	1	1/2	3	.1200		34172
	SD	1 1/4	1/2	3	.0300		34067
	SD	1 1/4	1/2	3	.0600		34173
	SD	1 1/4	1/2	3	.1200		34175
	SD	2	1/2	4	.0300		34068
5/8	STB	3/4	5/8	3 1/2	.0300		34773
	STB	3/4	5/8	3 1/2	.0350		34920
	STB	3/4	5/8	3 1/2	.0350	✓	34920W
	SD	1 1/2	5/8	3 1/2	.0300		34568
	SD	1 1/2	5/8	3 1/2	.0350		34069
	SD	1 1/2	5/8	3 1/2	.0350	✓	34069W
	SD	1 1/2	5/8	3 1/2	.0600		34071
	SD	1 1/2	5/8	3 1/2	.1200		34190
	SD	2 1/4	5/8	5	.0350		34070
	STB	7/8	3/4	4	.0200		34923
3/4	STB	7/8	3/4	4	.0300		34777
	STB	7/8	3/4	4	.0350		34922
	STB	7/8	3/4	4	.0350	✓	34922W
	SD	7/8	3/4	4	.1200		34780
	SD	7/8	3/4	4	.2500		34781
	SD	1 1/2	3/4	4	.0300		34075
	SD	1 1/2	3/4	4	.0350		34073
	SD	1 1/2	3/4	4	.0900		34191
	SD	1 1/2	3/4	4	.1200		34193
	SD	2 1/4	3/4	5	.0350		34074
1	SD	1 1/2	1	4	.0350		34077
	SD	1 1/2	1	4	.0350	✓	34077W
	SD	2 1/4	1	5	.0300		34570
	SD	2 1/4	1	5	.0350		34078
	SD	2 1/4	1	5	.0600		34571
	SD	2 1/4	1	5	.1200		34079
	SD	2 1/4	1	5	.2500		34573
Metric							
3.00	STB	6.00	3.00	38.00	0.20		92431
	SD	12.00	3.00	38.00	0.20		92423

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4 FLUTES



CENTER CUTTING



STB SD LENGTHS



FC-18 COATING



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END MILLS



3400 Harmon-i-Cut - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 18
4.00	SD	8.00	4.00	50.00	0.20		92791
	STB	8.00	4.00	50.00	0.30		92605
	SD	14.00	4.00	50.00	0.20		92494
	SD	14.00	4.00	50.00	0.30		92614
5.00	SD	10.00	5.00	51.00	0.20		92792
	STB	10.00	5.00	51.00	0.30		92606
	SD	10.00	5.00	51.00	0.50		92793
	SD	16.00	5.00	64.00	0.20		92495
	SD	16.00	5.00	64.00	0.50		92498
	STB	10.00	6.00	50.00	0.30		92432
6.00	SD	10.00	6.00	50.00	0.40		92794
	SD	10.00	6.00	50.00	0.50		92795
	SD	10.00	6.00	50.00	1.00		92797
	SD	20.00	6.00	64.00	0.30		92559
	SD	20.00	6.00	64.00	0.50		92617
	SD	20.00	6.00	64.00	0.75		92575
	SD	20.00	6.00	64.00	1.00		92576
	SD	20.00	6.00	64.00	1.50		92577
	SD	20.00	6.00	76.00	0.30		92424
	SD	12.00	8.00	50.00	0.30		91391
8.00	STB	12.00	8.00	50.00	0.50		92433
	SD	12.00	8.00	50.00	1.00		91394
	SD	22.00	8.00	64.00	0.30		92618
	SD	22.00	8.00	64.00	0.50		92560
	SD	22.00	8.00	64.00	1.00		92579
	SD	22.00	8.00	64.00	1.50		92580
	SD	22.00	8.00	64.00	2.00		92581
	SD	22.00	8.00	76.00	0.50		92425
10.00	STB	12.00	10.00	50.00	0.50		92434
	SD	12.00	10.00	50.00	1.50		91399
	SD	25.00	10.00	64.00	0.50		92561
	SD	25.00	10.00	64.00	1.00		92583
	SD	25.00	10.00	64.00	1.50		92584
	SD	25.00	10.00	64.00	2.00		92585
	SD	25.00	10.00	64.00	3.00		92586
	SD	25.00	10.00	89.00	0.50		92426
12.00	STB	16.00	12.00	63.00	0.50		92435
	SD	16.00	12.00	63.00	2.00		91404
	SD	25.00	12.00	76.00	0.50		92562
	SD	25.00	12.00	76.00	1.00		92588
	SD	25.00	12.00	76.00	2.00		92590
	SD	25.00	12.00	76.00	3.00		92591
16.00	SD	25.00	12.00	100.00	0.50		92427
	STB	20.00	16.00	89.00	0.50		92436
	SD	38.00	16.00	100.00	0.50		92428
	SD	38.00	16.00	100.00	1.00		92593
	SD	38.00	16.00	100.00	1.50		92594
	SD	38.00	16.00	100.00	2.00		92595
20.00	SD	38.00	16.00	100.00	3.00		92596
	SD	38.00	20.00	100.00	0.50		92620
	SD	38.00	20.00	100.00	1.00		92429
	SD	38.00	20.00	100.00	1.50		92622
25.00	SD	38.00	25.00	100.00	1.00		92430
	SD	38.00	25.00	100.00	1.50		92627

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4 FLUTES



CENTER CUTTING



STB SD LENGTHS



FC-18 COATING



I M IMPERIAL METRIC



END MILLS

3400 Harmon-i-Cut - Radius End Long Reach



- 4 Individually Designed Flutes
- Variable Helix
- Variable Index
- Variable Rake
- Right Hand Spiral
- Right Hand Cut
- Superior Core Strength
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	Corner Radius	EDP Number
								FC 18
1/4	LR	3/4	1/4	3	1 3/4	.2200	.0200	34198
	LR	3/4	1/4	4	2 1/4	.2350	.0200	34192
5/16	LR	3/4	5/16	4	2 1/4	.2980	.0200	34196
3/8	LR	3/4	3/8	4	2 1/4	.3600	.0200	34200
1/2	LR	3/4	1/2	4	2 1/8	.4800	.0300	34204
5/8	LR	3/4	5/8	6	3 1/2	.6000	.0350	34208
3/4	LR	3/4	3/4	6	3 1/2	.7200	.0350	34212
Metric								
10.00	LR	20.00	10.00	100.00	54.00	9.60	0.50	92437
12.00	LR	20.00	12.00	100.00	54.00	11.60	0.50	92438
16.00	LR	20.00	16.00	150.00	89.00	15.35	0.50	92439
20.00	LR	20.00	20.00	150.00	89.00	19.35	1.00	92440

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FLUTES



CENTER CUTTING

LR

LONG REACH

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COATING



IMPERIAL METRIC

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QUOTES

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END MILLS



3500 Fury - Square End



4 Flutes
 Variable Helix
 Variable Index
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					FC 20
1/8	STB	1/4	1/8	1 1/2	35008
	SD	1/2	1/8	2	35016
3/16	STB	5/16	3/16	2	35043
	SD	9/16	3/16	2 1/2	35046
	XL	3/4	3/16	2 1/2	35050
1/4	STB	3/8	1/4	2	35067
	SD	1/2	1/4	2 1/2	35071
	SD	3/4	1/4	2 1/2	35074
	XL	1	1/4	3	35078
5/16	STB	1/2	5/16	2	35081
	SD	3/4	5/16	2 1/2	35084
	XL	1	5/16	3	35087
3/8	STB	1/2	3/8	2 1/2	35095
	SD	3/4	3/8	2 1/2	35098
	SD	1	3/8	3	35101
	XL	1 1/4	3/8	3	35109
1/2	XL	1 1/2	3/8	3 1/2	35114
	STB	5/8	1/2	2 1/2	35183
	SD	1	1/2	3	35187
	SD	1 1/4	1/2	3	35190
5/8	SD	1 5/8	1/2	4	35194
	SD	1 1/4	5/8	3 1/2	35210
	XL	2	5/8	4	35232
	XL	2 1/2	5/8	5	35235
3/4	STB	1	3/4	3	35256
	SD	1 1/2	3/4	4	35260
	SD	2	3/4	5	35265
	XL	3 1/4	3/4	6	35279
1	STB	1 1/4	1	4	35331
	SD	2	1	4 1/2	35334
	XL	3 1/4	1	6	35341

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SQUARE



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



FC-20 COATING



I M IMPERIAL METRIC

END MILLS

3500 Fury - Square End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					FC 20
Metric					
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

Advanced Performance



SQUARE

4

FLUTES



CENTER CUTTING



LENGTHS

FC-20

COATING



IMPERIAL METRIC

■ Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ High Si Al ■ General Purpose

END MILLS



3500 Fury - Ball End



4 Flutes
 Variable Helix
 Variable Index
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					FC 20
1/8	STB	1/4	1/8	1 1/2	35003
	SD	1/2	1/8	2	35004
3/16	STB	5/16	1/8	2	35009
	SD	9/16	1/8	2 1/2	35010
	XL	3/4	1/8	2 1/2	35011
1/4	STB	3/8	1/4	2	35017
	SD	1/2	1/4	2 1/2	35018
	SD	3/4	1/4	2 1/2	35019
	XL	1	1/4	3	35020
5/16	STB	1/2	5/16	2	35022
3/8	STB	1/2	3/8	2 1/2	35028
	SD	3/4	3/8	2 1/2	35029
	SD	1	3/8	3	35030
	XL	1 1/4	3/8	3	35031
1/2	XL	1 1/2	3/8	3 1/2	35032
	STB	5/8	1/2	2 1/2	35044
	SD	1	1/2	3	35045
	SD	1 1/4	1/2	3	35047
	SD	1 5/8	1/2	4	35048
5/8	XL	2	1/2	4	35049
	STB	3/4	5/8	3 1/2	35051
	SD	1 1/4	5/8	3 1/2	35052
	SD	1 5/8	5/8	3 1/2	35054
	XL	2	5/8	4	35055
	XL	2 1/2	5/8	5	35056
3/4	STB	1	3/4	3	35065
	SD	1 1/2	3/4	4	35066
	SD	2	3/4	5	35068
	XL	2 1/4	3/4	5	35069
	XL	3 1/4	3/4	6	35070

Advanced Performance



BALL



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



FC-20 COATING



I M IMPERIAL METRIC

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END MILLS

3500 Fury - Ball End



Cutting Diameter	Tool Style Length	Cutting Length	Shank Diameter	Overall Length	EDP Number
					FC 20
1	STB	1 1/4	1	4	35085
	SD	2	1	4 1/2	35086
	XL	3 1/4	1	6	35089
Metric					
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
16.00	XL	50.00	12.00	100.00	35042
	STB	20.00	16.00	89.00	35058

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FLUTES



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LENGTHS



COATING



IMPERIAL METRIC

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END MILLS



3500 Fury - Radius End



- 4 Flutes
- Variable Helix
- Variable Index
- Right Hand Spiral
- Right Hand Cut
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 20
1/8	STB	1/4	1/8	1 1/2	.0100		35096
	STB	1/4	1/8	1 1/2	.0200		35147
	SD	1/2	1/8	2	.0100		35097
	SD	1/2	1/8	2	.0200		35148
3/16	STB	5/16	3/16	2	.0100		35102
	STB	5/16	3/16	2	.0200		35153
	STB	5/16	3/16	2	.0300		35198
	SD	9/16	3/16	2 1/2	.0100		35103
	SD	9/16	3/16	2 1/2	.0200		35154
	SD	9/16	3/16	2 1/2	.0300		35199
	XL	3/4	3/16	2 1/2	.0100		35104
	XL	3/4	3/16	2 1/2	.0200		35155
	XL	3/4	3/16	2 1/2	.0300		35200
	1/4	STB	3/8	1/4	2	.0100	
STB		3/8	1/4	2	.0200		35161
STB		3/8	1/4	2	.0300		35206
STB		3/8	1/4	2	.0600		35305
SD		1/2	1/4	2 1/2	.0100		35111
SD		1/2	1/4	2 1/2	.0200		35162
SD		1/2	1/4	2 1/2	.0300		35207
SD		1/2	1/4	2 1/2	.0600		35306
SD		3/4	1/4	2 1/2	.0100		35112
SD		3/4	1/4	2 1/2	.0200		35163
SD		3/4	1/4	2 1/2	.0300		35208
SD		3/4	1/4	2 1/2	.0600		35307
XL		1	1/4	3	.0100		35113
XL		1	1/4	3	.0200		35164
XL		1	1/4	3	.0300		35209
XL		1	1/4	3	.0600		35308
5/16	STB	1/2	5/16	2	.0100		35115
	STB	1/2	5/16	2	.0300		35211

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CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

END MILLS

3500 Fury - Radius End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 20
5/16	SD	3/4	5/16	2 1/2	.0100		35116
	SD	3/4	5/16	2 1/2	.0200		35167
	SD	3/4	5/16	2 1/2	.0300		35212
	SD	3/4	5/16	2 1/2	.0600		35311
	XL	1	5/16	3	.0100		35117
	XL	1	5/16	3	.0200		35168
	XL	1	5/16	3	.0300		35213
	XL	1	5/16	3	.0600		35312
3/8	STB	1/2	3/8	2 1/2	.0100		35121
	STB	1/2	3/8	2 1/2	.0200		35172
	STB	1/2	3/8	2 1/2	.0200	✓	35172W
	STB	1/2	3/8	2 1/2	.0300		35217
	STB	1/2	3/8	2 1/2	.0600		35316
	SD	3/4	3/8	2 1/2	.0100		35122
	SD	3/4	3/8	2 1/2	.0200		35173
	SD	3/4	3/8	2 1/2	.0300		35218
	SD	1	3/8	3	.0100		35123
	SD	1	3/8	3	.0200		35174
	SD	1	3/8	3	.0200	✓	35174W
	SD	1	3/8	3	.0300		35219
	SD	1	3/8	3	.0600		35318
	SD	1	3/8	3	.0900		35383
	XL	1 1/4	3/8	3	.0100		35124
	XL	1 1/4	3/8	3	.0200		35175
	XL	1 1/4	3/8	3	.0300		35220
	XL	1 1/2	3/8	3 1/2	.0100		35125
XL	1 1/2	3/8	3 1/2	.0200		35176	
XL	1 1/2	3/8	3 1/2	.0300		35221	
1/2	STB	5/8	1/2	2 1/2	.0100		35137
	STB	5/8	1/2	2 1/2	.0200		35188
	STB	5/8	1/2	2 1/2	.0300		35233
	STB	5/8	1/2	2 1/2	.0600		35332
	SD	1	1/2	3	.0100		35138
	SD	1	1/2	3	.0200		35189
	SD	1	1/2	3	.0300		35234
	SD	1	1/2	3	.0600		35333
	SD	1	1/2	3	.1200		35485
	SD	1 1/4	1/2	3	.0100		35140
	SD	1 1/4	1/2	3	.0200		35191
	SD	1 1/4	1/2	3	.0300		35236
	SD	1 1/4	1/2	3	.0600		35335
	SD	1 1/4	1/2	3	.0900		35400
	SD	1 1/4	1/2	3	.1200		35487
	SD	1 5/8	1/2	4	.0100		35141
	SD	1 5/8	1/2	4	.0200		35192

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4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



FC-20 COATING



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END MILLS



3500 Fury - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 20
1/2	SD	1 5/8	1/2	4	.0300		35237
	SD	1 5/8	1/2	4	.0600		35336
	SD	1 5/8	1/2	4	.1200		35488
	XL	2	1/2	4	.0100		35142
	XL	2	1/2	4	.0300		35238
5/8	STB	3/4	5/8	3 1/2	.0300		35240
	SD	1 1/4	5/8	3 1/2	.0300		35241
	SD	1 1/4	5/8	3 1/2	.0600		35340
	SD	1 5/8	5/8	3 1/2	.0300		35243
	SD	1 5/8	5/8	3 1/2	.0600		35342
	XL	2	5/8	4	.0300		35244
	XL	2 1/2	5/8	5	.0300		35245
	XL	2 1/2	5/8	5	.1200		35496
3/4	STB	1	3/4	3	.0300		35254
	STB	1	3/4	3	.0600		35353
	STB	1	3/4	3	.0900		35418
	STB	1	3/4	3	.1200		35505
	SD	1 1/2	3/4	4	.0300		35255
	SD	1 1/2	3/4	4	.0600		35354
	SD	1 1/2	3/4	4	.1200		35506
	SD	2	3/4	5	.0300		35257
	SD	2	3/4	5	.0600		35356
	SD	2	3/4	5	.0900		35421
	SD	2	3/4	5	.1200		35508
	SD	2	3/4	5	.2500		35536
	XL	2 1/4	3/4	5	.0300		35258
	XL	2 1/4	3/4	5	.2500		35537
	XL	3 1/4	3/4	6	.0300		35259
1	STB	1 1/4	1	4	.0600		35373
	SD	2	1	4 1/2	.0600		35374
	SD	2 5/8	1	5	.0600		35376
	SD	2 5/8	1	5	.1200		35528
	XL	3 1/4	1	6	.2500		35557
Metric							
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
5.00	SD	12.00	4.00	50.00	0.50		35151
	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
6.00	SD	16.00	5.00	64.00	1.00		35570
	SD	16.00	5.00	64.00	1.50		35571
	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	

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4 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

END MILLS

3500 Fury - Radius End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 20
6.00	SD	20.00	6.00	64.00	0.25		35107
	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
	10.00	STB	12.00	10.00	50.00	0.25	
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
16.00	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
	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

Advanced Performance



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4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



FC-20 COATING



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END MILLS



3500 Fury - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Weldon Flat	EDP Number
							FC 20
16.00	XL	63.00	16.00	125.00	0.75		35252
	STB	25.00	20.00	100.00	1.50		35360
20.00	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
25.00	XL	83.00	25.00	150.00	1.00		35298

Advanced Performance



RADIUS



4 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

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END MILLS

3505 Fury Vicor - Radius End



4 Flutes
 Variable Helix
 Variable Index
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number
						FC 20
1/4	SD	3/4	1/4	2 1/2	.0100	35600
3/8	SD	1	3/8	3	.0200	35602
1/2	SD	1	1/2	3	.0300	35605
	SD	1 1/4	1/2	3	.0300	35606
5/8	SD	1 1/4	5/8	3 1/2	.0300	35607
3/4	SD	1 1/2	3/4	4	.0300	35608
	SD	2	3/4	5	.0600	35609
1	SD	2 5/8	1	5	.0600	35612
Metric						
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

Advanced Performance



RADIUS



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



FC-20 COATING



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END MILLS

FANTOM z.0

3412 Fantom 2.0 - Square End



- 5 Individually Designed Flutes
- Eccentric Relief
- Variable Index
- Right Hand Spiral
- Right Hand Cut
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: $+0.0004''$ $-0.002''$
 $+0.00mm$ $-0.05mm$

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					FC 20
1/4	STB	3/8	1/4	2	37540
	SD	3/4	1/4	2 1/2	37544
	XL	1 1/4	1/4	3	37548
5/16	SD	7/8	5/16	2 1/2	37549
	XL	1	5/16	3	37553
	XL	2	5/16	4	37557
3/8	STB	1/2	3/8	2 1/2	37576
	SD	1	3/8	2 1/2	37582
	XL	1 1/4	3/8	3	37588
7/16	XL	2	3/8	4	37589
	SD	1	7/16	2 3/4	37605
	XL	2	7/16	4	37611
1/2	STB	5/8	1/2	3	37628
	SD	1	1/2	3	37633
	SD	1 1/4	1/2	3	37641
	XL	1 5/8	1/2	4	37647
5/8	XL	2	1/2	4	37648
	STB	3/4	5/8	3 1/2	37654
	SD	1 1/2	5/8	3 1/2	37660
	SD	1 5/8	5/8	4	37666
3/4	XL	2 1/4	5/8	5	37672
	XL	3 1/4	5/8	6	37674
	STB	7/8	3/4	4	37689
	SD	1 1/4	3/4	4	37697
1	SD	1 1/2	3/4	4	37704
	SD	1 5/8	3/4	4	37713
	XL	2 1/4	3/4	5	37715
	XL	3 1/4	3/4	6	37717
1	SD	1 1/2	1	4	37739
	SD	2	1	5	37747
	XL	2 1/4	1	5	37748

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Advanced Performance



SQUARE



5 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



FC-20 COATING



I M IMPERIAL METRIC

END MILLS

3412 Fantom 2.0 - Square End

FANTOM 2.0



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					FC 20
1	XL	3 1/4	1	6	37756
	XL	4 1/4	1	7	37757
Metric					
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
16.00	SD	25.00	12.00	100.00	37621
	STB	20.00	16.00	89.00	37675
20.00	SD	38.00	16.00	100.00	37682
	SD	38.00	20.00	100.00	37718
25.00	SD	63.00	20.00	125.00	37725
	SD	38.00	25.00	100.00	37732

Advanced Performance



SQUARE

5

FLUTES



CENTER CUTTING



LENGTHS

FC-20

COATING



IMPERIAL METRIC

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END MILLS

FANTOM 2.0

3412 Fantom 2.0 - Radius End



5 Individually Designed Flutes

Eccentric Relief

Variable Index

Right Hand Spiral

Right Hand Cut

Dura Carb (Micrograin)

Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"

+0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number
						FC 20
1/4	STB	3/8	1/4	2	.0200	37541
	STB	3/8	1/4	2	.0300	37542
	STB	3/8	1/4	2	.0600	37543
	SD	3/4	1/4	2 1/2	.0200	37545
	SD	3/4	1/4	2 1/2	.0300	37546
	SD	3/4	1/4	2 1/2	.0600	37547
5/16	SD	7/8	5/16	2 1/2	.0200	37550
	SD	7/8	5/16	2 1/2	.0300	37551
	SD	7/8	5/16	2 1/2	.0600	37552
	XL	1	5/16	3	.0200	37554
	XL	1	5/16	3	.0300	37555
	XL	1	5/16	3	.0600	37556
3/8	STB	1/2	3/8	2 1/2	.0200	37577
	STB	1/2	3/8	2 1/2	.0300	37578
	STB	1/2	3/8	2 1/2	.0600	37579
	STB	1/2	3/8	2 1/2	.0900	37580
	STB	1/2	3/8	2 1/2	.1200	37581
	SD	1	3/8	2 1/2	.0200	37583
	SD	1	3/8	2 1/2	.0300	37584
	SD	1	3/8	2 1/2	.0600	37585
	SD	1	3/8	2 1/2	.0900	37586
	SD	1	3/8	2 1/2	.1200	37587
	SD	2	3/8	4	.0200	37590
	7/16	SD	1	7/16	2 3/4	.0200
SD		1	7/16	2 3/4	.0300	37607
SD		1	7/16	2 3/4	.0600	37608
1/2	STB	5/8	1/2	3	.0300	37629
	STB	5/8	1/2	3	.0600	37630
	STB	5/8	1/2	3	.0900	37631

Advanced Performance



RADIUS



5 FLUTES



CENTER CUTTING



LENGTHS



COATING



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END MILLS

3412 Fantom 2.0 - Radius End

FANTOM 2.0



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number	
						FC 20	
1/2	STB	5/8	1/2	3	.1200	37632	
	SD	1	1/2	3	.0100	37634	
	SD	1	1/2	3	.0150	37635	
	SD	1	1/2	3	.0200	37636	
	SD	1	1/2	3	.0300	37637	
	SD	1	1/2	3	.0600	37638	
	SD	1	1/2	3	.0900	37639	
	SD	1	1/2	3	.1200	37640	
	SD	1 1/4	1/2	3	.0150	37642	
	SD	1 1/4	1/2	3	.0300	37643	
	SD	1 1/4	1/2	3	.0600	37644	
	SD	1 1/4	1/2	3	.0900	37645	
	SD	1 1/4	1/2	3	.1200	37646	
	SD	1 5/8	1/2	4	.0300	37101	
	SD	1 5/8	1/2	4	.0600	37102	
	SD	1 5/8	1/2	4	.0900	37103	
	SD	1 5/8	1/2	4	.1200	37104	
	SD	2	1/2	4	.0200	37649	
	SD	2	1/2	4	.0300	37650	
	SD	2	1/2	4	.0600	37651	
SD	2	1/2	4	.0900	37652		
SD	2	1/2	4	.1200	37653		
5/8	STB	3/4	5/8	3 1/2	.0300	37655	
	STB	3/4	5/8	3 1/2	.0350	37656	
	STB	3/4	5/8	3 1/2	.0600	37657	
	STB	3/4	5/8	3 1/2	.0900	37658	
	STB	3/4	5/8	3 1/2	.1200	37659	
	SD	1 1/2	5/8	3 1/2	.0300	37661	
	SD	1 1/2	5/8	3 1/2	.0350	37662	
	SD	1 1/2	5/8	3 1/2	.0600	37663	
	SD	1 1/2	5/8	3 1/2	.0900	37664	
	SD	1 1/2	5/8	3 1/2	.1200	37665	
	SD	1 5/8	5/8	4	.0300	37667	
	SD	1 5/8	5/8	4	.0350	37668	
	SD	1 5/8	5/8	4	.0600	37669	
	SD	1 5/8	5/8	4	.0900	37670	
	SD	1 5/8	5/8	4	.1200	37671	
	SD	2 1/4	5/8	5	.0350	37673	
	3/4	STB	7/8	3/4	4	.0300	37690
		STB	7/8	3/4	4	.0350	37691
STB		7/8	3/4	4	.0600	37692	
STB		7/8	3/4	4	.0900	37693	
STB		7/8	3/4	4	.1200	37694	
SD		1 1/4	3/4	4	.0300	37698	
SD		1 1/4	3/4	4	.0600	37699	

Advanced Performance



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FLUTES



CENTER CUTTING



LENGTHS

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END MILLS

FANTOM 2.0

3412 Fantom 2.0 - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number
						FC 20
3/4	SD	1 1/2	3/4	4	.0200	37705
	SD	1 1/2	3/4	4	.0300	37706
	SD	1 1/2	3/4	4	.0350	37707
	SD	1 1/2	3/4	4	.0600	37708
	SD	1 1/2	3/4	4	.0900	37709
	SD	1 1/2	3/4	4	.1200	37710
	SD	1 1/2	3/4	4	.1900	37711
	SD	1 1/2	3/4	4	.2500	37712
	SD	1 5/8	3/4	4	.0350	37714
	SD	1 5/8	3/4	4	.0600	37998
	SD	1 5/8	3/4	4	.0900	37999
	SD	1 5/8	3/4	4	.1200	37501
	SD	1 5/8	3/4	4	.1900	37502
	SD	1 5/8	3/4	4	.2500	37503
	XL	2 1/4	3/4	5	.0350	37716
1	SD	1 1/2	1	4	.0300	37740
	SD	1 1/2	1	4	.0350	37741
	SD	1 1/2	1	4	.0600	37742
	SD	1 1/2	1	4	.2500	37746
	XL	2 1/4	1	5	.0300	37749
	SD	2 1/4	1	5	.0350	37750
	XL	2 1/4	1	5	.0600	37751
	XL	2 1/4	1	5	.0900	37752
	XL	2 1/4	1	5	.1200	37753
	XL	2 1/4	1	5	.1900	37754
	XL	2 1/4	1	5	.2500	37755
	Metric					
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

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RADIUS



5 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

END MILLS

3412 Fantom 2.0 - Radius End

FANTOM 2.0



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number
						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
	STB	16.00	12.00	63.00	0.50	37613
12.00	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

Advanced Performance



RADIUS

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FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

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END MILLS

FANTOM 2.0

3412 Fantom 2.0 - Radius End Long Reach



- 5 Individually Designed Flutes
- Eccentric Relief
- Variable Index
- Right Hand Spiral
- Right Hand Cut
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.002"
 +0.00mm -0.05mm

Cutting Diameter	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	Corner Radius	EDP Number
							FC 20
1/8	5/32	1/8	2	3/8	.1200	.0100	37764
	5/32	1/8	2	3/8	.1200	.0300	37766
	5/32	1/8	2	1/2	.1200	.0100	37765
	5/32	1/8	2	1/2	.1200	.0300	37767
	5/32	1/8	2 1/2	3/4	.1200	.0100	37768
3/16	7/32	3/16	2	1/2	.1800	.0100	37770
	7/32	3/16	2	1/2	.1800	.0300	37771
	7/32	3/16	2 1/2	3/4	.1800	.0100	37772
	7/32	3/16	2 1/2	3/4	.1800	.0300	37774
	7/32	3/16	2 1/2	1 1/8	.1800	.0100	37773
1/4	3/8	1/4	4	3/4	.2400	.0300	37794
	3/8	1/4	4	3/4	.2400	.0600	37797
	3/8	1/4	4	1 1/8	.2400	.0200	37792
	3/8	1/4	4	2 1/8	.2400	.0200	37793
3/8	1/2	3/8	4	1 1/8	.3600	.0200	37808
	1/2	3/8	4	1 1/8	.3600	.0300	37810
	1/2	3/8	4	1 1/8	.3600	.0600	37812
	1/2	3/8	4	2 1/8	.3600	.0200	37809
	1/2	3/8	4	2 1/8	.3600	.0300	37811
	1/2	3/8	4	2 1/8	.3600	.0600	37813
	1/2	3/8	6	3 1/8	.3600	.0200	37816
	1/2	3/8	6	4 1/8	.3600	.0200	37817
	1/2	3/8	6	4 1/8	.3600	.0900	37823
1/2	5/8	1/2	4	1 1/2	.4800	.0300	37858
	5/8	1/2	4	1 1/2	.4800	.0600	37860
	5/8	1/2	4	1 1/2	.4800	.0900	37862
	5/8	1/2	4	1 1/2	.4800	.1200	37864
	5/8	1/2	4	2 1/4	.4800	.0300	37859
	5/8	1/2	4	2 1/4	.4800	.0600	37861
	5/8	1/2	4	2 1/4	.4800	.0900	37863
	5/8	1/2	4	2 1/4	.4800	.1200	37865

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RADIUS



5 FLUTES



CENTER CUTTING



LR LONG REACH



FC-20 COATING



I M IMPERIAL METRIC

END MILLS

3412 Fantom 2.0 - Radius End Long Reach

FANTOM 2.0



Cutting Diameter	Cutting Length	Shank Diameter	Overall Length	Reach	Neck Diameter	Corner Radius	EDP Number
							FC 20
1/2	5/8	1/2	6	3 3/8	.4800	.0300	37866
	5/8	1/2	6	3 3/8	.4800	.0600	37868
	5/8	1/2	6	4 1/8	.4800	.0600	37869
	5/8	1/2	6	4 1/8	.4800	.0900	37871
	5/8	1/2	6	4 1/8	.4800	.1200	37873
5/8	3/4	5/8	4	1 5/8	.6000	.0300	37874
	3/4	5/8	6	2 3/8	.6000	.0300	37878
	3/4	5/8	6	2 3/8	.6000	.0900	37884
3/4	1	3/4	4	2	.7200	.0300	37907
	1	3/4	4	2	.7200	.0600	37908
	1	3/4	4	2	.7200	.0900	37909
	1	3/4	4	2	.7200	.1200	37910
	1	3/4	4	2	.7200	.1900	37911
	1	3/4	4	2	.7200	.2500	37912
	1	3/4	6	2 1/2	.7200	.0300	37913
	1	3/4	6	2 1/2	.7200	.0600	37916
	1	3/4	6	2 1/2	.7200	.0900	37919
	1	3/4	6	2 1/2	.7200	.1200	37922
	1	3/4	6	2 1/2	.7200	.1900	37925
	1	3/4	6	2 1/2	.7200	.2500	37928
	1	3/4	6	3 3/8	.7200	.0300	37914
	1	3/4	6	3 3/8	.7200	.1200	37923
	1	3/4	6	4 1/8	.7200	.0300	37915
	1	3/4	6	4 1/8	.7200	.0600	37918
	1	3/4	6	4 1/8	.7200	.1200	37924
1	3/4	6	4 1/8	.7200	.1900	37927	
1	1 1/4	3/4	4	2 1/2	.7200	.1200	37931
	1 1/4	1	4	2 1/4	.9700	.0300	37973
	1 1/4	1	4	2 1/4	.9700	.1900	37977
	1 1/4	1	4	2 1/4	.9700	.2500	37978
	1 1/4	1	6	2 5/8	.9700	.0300	37979
	1 1/4	1	6	3 3/8	.9700	.0600	37983
	1 1/4	1	6	4 1/8	.9700	.0600	37984
Metric							
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

Advanced Performance



RADIUS

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FLUTES



CENTER CUTTING

LR

LONG REACH

FC-20

COATING



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END MILLS

FANTOM 2.0 VICOR

3415 Fantom Vicor - Radius End



- 5 Individually Designed Flutes
- Eccentric Relief
- Variable Index
- Right Hand Spiral
- Right Hand Cut
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number
						FC 20
1/4	SD	3/4	1/4	2 1/2	.0200	34874
	SD	1	3/8	2 1/2	.0200	34875
3/8	SD	1	3/8	2 1/2	.0300	34876
	SD	2	3/8	4	.0200	34877
1/2	SD	1 1/4	1/2	3	.0300	34879
	SD	2	1/2	4	.0200	34880
	SD	2	1/2	4	.0300	34881
5/8	SD	2 1/4	5/8	5	.0350	34882
3/4	SD	1 1/2	3/4	4	.0600	34884
	SD	1 5/8	3/4	4	.0350	34885
	SD	2 1/4	3/4	5	.0350	34886
Metric						
12.00	SD	25.00	12.00	100.00	1.00	34878
16.00	SD	38.00	16.00	100.00	3.00	34883

Advanced Performance



RADIUS



5 FLUTES



CENTER CUTTING



SD XL LENGTHS



FC-20 COATING



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END MILLS

3410 Fantom - Square End



- 5 Individually Designed Flutes
- Eccentric Relief
- Variable Index
- Right Hand Spiral
- Right Hand Cut
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					FC 18
1/4	STB	3/8	1/4	2	34150
	SD	3/4	1/4	2 1/2	34125
5/16	SD	7/8	5/16	2 1/2	34127
3/8	STB	1/2	3/8	2 1/2	34152
	SD	1	3/8	2 1/2	34129
7/16	SD	1	7/16	2 3/4	34131
1/2	STB	5/8	1/2	3	34154
	SD	1	1/2	3	34133
	SD	1 1/4	1/2	3	34135
	XL	1 5/8	1/2	4	34733
5/8	STB	3/4	5/8	3 1/2	34156
	SD	1 1/2	5/8	3 1/2	34137
Metric					
4.00	SD	14.00	4.00	50.00	92601
10.00	SD	25.00	10.00	64.00	92565
12.00	SD	25.00	12.00	76.00	92566
16.00	SD	38.00	16.00	100.00	92445

Advanced Performance



SQUARE

5

FLUTES



CENTER CUTTING



LENGTHS

FC-18

COATING



IMPERIAL METRIC

FAST
QUOTES

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END MILLS



3410 Fantom - Radius End



- 5 Individually Designed Flutes
- Eccentric Relief
- Variable Index
- Right Hand Spiral
- Right Hand Cut
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number
						FC 18
1/4	STB	3/8	1/4	2	.0200	34160
	SD	3/4	1/4	2 1/2	.0200	34106
5/16	SD	7/8	5/16	2 1/2	.0200	34108
3/8	STB	1/2	3/8	2 1/2	.0200	34162
	SD	1/2	3/8	2 1/2	.0300	34789
	SD	1	3/8	2 1/2	.0200	34110
1/2	STB	5/8	1/2	3	.0300	34164
	SD	5/8	1/2	3	.0600	34793
	SD	1	1/2	3	.0200	34180
	SD	1	1/2	3	.0300	34114
	SD	1 1/4	1/2	3	.0300	34115
	SD	2	1/2	4	.0300	34119
5/8	STB	3/4	5/8	3 1/2	.0350	34166
	SD	1 1/2	5/8	3 1/2	.0300	34704
	SD	1 1/2	5/8	3 1/2	.0600	34705
	SD	1 5/8	5/8	4	.0350	34103
	SD	1 5/8	5/8	4	.1200	34711
	SD	2 1/4	5/8	5	.0350	34121
3/4	SD	1 1/2	3/4	4	.0350	34118
	SD	1 1/2	3/4	4	.0350	34118W
1	SD	2 1/4	3/4	5	.0350	34122
	SD	2 1/4	1	5	.0350	34123
Metric						
8.00	SD	22.00	8.00	76.00	0.50	92453
10.00	SD	25.00	10.00	89.00	0.50	92454
12.00	SD	16.00	12.00	63.00	1.00	91432
	SD	16.00	12.00	63.00	1.50	91433
	SD	25.00	12.00	76.00	0.50	92570
	SD	25.00	12.00	100.00	0.50	92455

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RADIUS



5 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC



END MILLS

3845 Falcon Finisher - Square End



5 Flutes
 45° Helix
 Eccentric Relief
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"

Advanced
 Performance



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	TIALN
1/8	STB	1/4	1/8	1 1/2	38080	38173
	SD	1/2	1/8	1 1/2	38050	38150
5/32	SD	9/16	5/32	2	38052	38152
3/16	STB	5/16	3/16	2	38081	38175
	SD	9/16	3/16	2	38054	38154
7/32	SD	3/4	7/32	2 1/2	38056	38156
1/4	STB	1/2	1/4	2	38057	38174
	SD	3/4	1/4	2 1/2	38058	38158
	XL	1 1/4	1/4	4	38060	38180
5/16	SD	13/16	5/16	2 1/2	38062	38160
	XL	1 1/4	5	3		38188
3/8	STB	1/2	3/8	2 1/2	38063	38176
	SD	1	3/8	2 1/2	38064	38162
	XL	1 1/4	3/8	3		38189
	XL	1 1/2	3/8	4	38067	38183
	XL	2	3/8	4	38066	38182
7/16	XL	3	3/8	5		38190
	SD	1	7/16	2 3/4	38068	38164
	STB	5/8	1/2	3	38069	38178
	SD	1 1/4	1/2	3	38070	38166
1/2	XL	2	1/2	4	38072	38184
	XL	3	1/2	6		38191
	XL	3 1/8	1/2	6		38186
	STB	3/4	5/8	3 1/2	38082	38177
5/8	SD	1 5/8	5/8	3 1/2	38074	38168
	XL	2 1/2	5/8	5	38073	38185
	XL	3	5/8	6		38192
3/4	STB	1	3/4	4	38083	38179
	SD	1 5/8	3/4	4	38076	38170
	XL	2 1/2	3/4	5	38061	38181
	XL	3	3/4	6		38193

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END MILLS



3845 Falcon Finisher - Square End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	TIALN
1	STB	1 1/4	1	4		38196
	SD	2	1	4	38078	38172
	XL	2 1/2	1	5	38071	38187
	XL	3	1	6		38194
	XL	4	1	6		38195
Metric						
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	

Advanced Performance



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END MILLS

5500 MATRX - Radius End



5 Flutes
 Chipbreakers
 Right Hand Spiral
 Right Hand Cut
 Dura Carb III (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.003"
 +0.00mm -0.0762mm

Advanced
 Performance



RADIUS



FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number	
						UC	FC 1
1/8	SD	1/2	1/8	1 1/2	.0100	25000	25025
	SD	1	1/8	3	.0100	25001	25026
1/4	SD	3/4	1/4	2 1/2	.0200	25002	25027
	SD	1-1/2	1/4	4	.0200	25003	25028
3/8	SD	1	3/8	2 1/2	.0300	25004	25029
	SD	2	3/8	4	.0300	25005	25030
1/2	SD	1-1/4	1/2	3 1/2	.0300	25006	25031
	SD	2-3/8	1/2	5	.0300	25007	25032
Metric							
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

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

END MILLS

3600 Force - Radius End



5, 7, or 9 Flutes
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Advanced
 Performance



RADIUS



FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Number of Flutes	EDP Number	
							FC 20	
1/4	STB	3/8	1/4	2 1/2	.0150	5	36200	
	SD	1	1/4	3	.0150	5	36201	
3/8	SD	3/4	3/8	2 1/2	.0150	7	36202	
	XL	1 1/8	3/8	3	.0150	7	36203	
1/2	STB	5/8	1/2	2 1/2	.0150	7	36208	
	STB	5/8	1/2	2 1/2	.0300	7	36209	
	STB	5/8	1/2	2 1/2	.0600	7	36210	
	SD	1	1/2	3	.0150	7	36267	
	SD	1	1/2	3	.0300	7	36268	
	SD	1	1/2	3	.0600	7	36269	
	SD	1 1/4	1/2	3	.0150	7	36276	
	SD	1 1/4	1/2	3	.0300	7	36277	
	SD	1 1/4	1/2	3	.1200	7	36279	
	SD	1 1/2	1/2	4	.0150	7	36211	
	SD	1 1/2	1/2	4	.0300	7	36212	
	SD	1 1/2	1/2	4	.0600	7	36213	
	5/8	STB	3/4	5/8	3 1/2	.0300	9	36214
		STB	3/4	5/8	3 1/2	.0600	9	36215
XL		1 5/8	5/8	5	.0300	9	36216	
XL		1 5/8	5/8	5	.0600	9	36217	
3/4	SD	1	3/4	4	.0600	9	36220	
	SD	1	3/4	4	.0900	9	36221	
	SD	1	3/4	4	.1200	9	36222	
	SD	1 5/8	3/4	4	.0150	9	36271	
	SD	1 5/8	3/4	4	.0600	9	36272	
	SD	1 5/8	3/4	4	.1200	9	36274	
	XL	2 1/4	3/4	5	.0600	9	36223	
	XL	2 1/4	3/4	5	.0900	9	36224	
	XL	2 1/4	3/4	5	.1200	9	36225	

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END MILLS



3600 Force - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	Number of Flutes	EDP Number
							FC 20
1	SD	1 1/4	1	4	.0600	9	36238
	SD	1 1/4	1	4	.0900	9	36239
	SD	1 1/4	1	4	.1200	9	36240
	XL	3	1	6	.0600	9	36241
	XL	3	1	6	.0900	9	36242
	XL	3	1	6	.1200	9	36243
Metric							
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

Advanced Performance



RADIUS



FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

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END MILLS

3810 The Dream - Radius End Long Reach



Flute Count Varies by Diameter

Eccentric Relief

Right Hand Spiral

Right Hand Cut

Necked Down

Profiling Tool

Dura Carb (Micrograin)

Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"

+0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Number of Flutes	Reach	Neck Diameter	Corner Radius	EDP Number	
									UC	FC 20
1/2	LR	3/4	1/2	4	6	2 1/2	.4800	.0600	37498	37497
3/4	LR	1 1/8	3/4	4	8	2 1/2	.7200	.1200	37500	37496
1	LR	1 1/8	1	4 1/2	10	3	.9600	.1200	38562	37495
Metric										
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

Advanced Performance



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VARY BY DIAMETER

FLUTES



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LR

LONG REACH

UC

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IMPERIAL METRIC

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END MILLS

3975 Hogger - Radius End

Hogger



Flute Count Varies by Diameter

- 30° Helix
- Sinusoidal Geometry (Corn Cob Cutters)
- Form Relieved
- Coarse Pitch
- Right Hand Spiral
- Right Hand Cut
- Weldon Flat Standard
- Dura Carb II (Advanced Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6
 Cutter Diameter: $+.0000''$ $-.003''$
 $+0.00\text{mm}$ -0.07mm

Advanced
Performance



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VARY BY
DIAMETER

FLUTES



CENTER CUTTING

SD

STANDARD

TIALN

COATING

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IMPERIAL

Cutting Diameter	Cutting Length	Shank Diameter	Overall Length	Number of Flutes	Corner Radius	EDP Number
						TIALN
1/4	3/4	1/4	2 1/2	3	.0310	39600
5/16	13/16	5/16	2 1/2	3	.0390	39601
3/8	1	3/8	2 1/2	3	.0470	39602
1/2	1	1/2	3	4	.0625	39604
5/8	1 1/2	5/8	3 1/2	4	.0781	39605
3/4	1 1/2	3/4	4	4	.0938	39606
1	1 1/2	1	4	5	.1250	39607

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END MILLS

Hogger

3995 Hogger - Radius End



Flute Count Varies by Diameter

- 30° Helix
- Sinusoidal Geometry (Corn Cob Cutters)
- Form Relief
- Fine Pitch
- Right Hand Spiral
- Right Hand Cut

Weldon Flat Standard

Dura Carb II (Advanced Micrograin)

Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.003"
 +0.00mm -0.07mm

Cutting Diameter	Cutting Length	Shank Diameter	Overall Length	Number of Flutes	Corner Radius	EDP Number
						TIALN
1/4	3/4	1/4	2 1/2	3	.0310	39608
5/16	13/16	5/16	2 1/2	3	.0390	39609
3/8	1	3/8	2 1/2	3	.0470	39610
1/2	1	1/2	3	4	.0625	39611
5/8	1 1/2	5/8	3 1/2	4	.0781	39612
3/4	1 1/2	3/4	4	4	.0938	39613
1	1 1/2	1	4	5	.1250	39614
Metric						
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

Advanced Performance



RADIUS

VARY BY DIAMETER

FLUTES



CENTER CUTTING

SD

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General Purpose End Mills



2 Flute General Purpose
3 Flute General Purpose
4 Flute General Purpose
Chamfer Mills

Jo Engraver
Straight Flute
Tapered

END MILLS

3215 2 Flute - Square End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
1/4	XL	1 1/8	1/4	3	32562	30112		
	XL	1 1/2	1/4	4	32294	30114		
	XL	1 1/2	1/4	6	32563	30115		
17/64	SD	7/8	5/16	2 1/2	32940	30658	32780	33135
9/32	SD	7/8	5/16	2 1/2	32071	30659	32781	33136
19/64	SD	7/8	5/16	2 1/2	32941	30660	32782	33137
5/16	STB	7/8	5/16	2 1/2	32181	32849		
	SD	7/8	5/16	2 1/2	32072	30661	32783	32344
	XL	1	5/16	4	30211	30117		
	XL	1 1/8	5/16	3	32576	30116		
	XL	1 1/2	5/16	6	32564	30119		
21/64	XL	1 5/8	5/16	4	32295	30118		
	SD	7/8	3/8	2 1/2	32942	30662	32784	33138
11/32	SD	7/8	3/8	2 1/2	32073	30663	32785	33139
23/64	SD	1	3/8	2 1/2	32943	30664	32786	33140
3/8	STB	5/8	3/8	2 1/2	32182	32850		
	SD	1	3/8	2 1/2	32074	30665	32787	32345
	XL	1	3/8	4	30212	30121		
	XL	1 1/8	3/8	3	32580	30120		
	XL	1 1/2	3/8	4	30222	30122		
	XL	1 1/2	3/8	6	32565	30124		
	XL	2	3/8	4	32296	30123		
25/64	XL	3	3/8	6	32297	30125		
	SD	1	7/16	2 3/4	32944	30666	32788	33141
13/32	SD	1	7/16	2 3/4	32901	30667	32789	33142
27/64	SD	1	7/16	2 3/4	32945	30668	32790	33143
7/16	STB	3/4	7/16	2 3/4	32183	32851		
	SD	1	7/16	2 3/4	32075	30669	32791	32346
	XL	1	7/16	4	30213	30126		
	XL	1 1/2	7/16	6	32566	30128		
	XL	2	7/16	4	32298	30127		
29/64	XL	3	7/16	6	32299	30129		
	SD	1	1/2	3	32946	30670	32792	33144
15/32	SD	1	1/2	3	32911	30671	32793	33145
31/64	SD	1	1/2	3	32947	30672	32794	33146
1/2	STB	3/4	1/2	3	32184	32852		
	SD	1	1/2	3	32076	30673	32795	32347
	XL	1	1/2	4	30214	30130		
	XL	1 1/2	1/2	4	32584	30131		
	XL	1 1/2	1/2	6	32567	30133		
	XL	2	1/2	4	32300	30132		
9/16	XL	3	1/2	6	32301	30134		
	SD	1 1/4	9/16	3 1/2	32077	30674	32796	32348
5/8	STB	1	5/8	3 1/2	32185	32853		
	SD	1 1/2	5/8	3 1/2	32078	30675	32797	32349
	XL	1 1/2	5/8	6	30225	30136		
	XL	2 1/2	5/8	5	32302	30135		
11/16	XL	3	5/8	6	32303	30137		
	SD	1 1/2	3/4	4	32079	30676	32798	33147
3/4	STB	1	3/4	4	32186	32854		
	SD	1 1/2	3/4	4	32080	30677	32799	32350
	XL	1 1/2	3/4	6	30227	30139		
	XL	2 1/2	3/4	5	32304	30138		
	XL	3	3/4	6	32305	30140		

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SQUARE



2 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



UNCOATED TIN TIALN TICN COATING

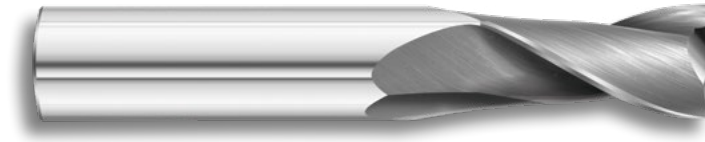


I M IMPERIAL METRIC



END MILLS

3215 2 Flute - Square End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
7/8	SD	1 1/2	7/8	4	32081	30678	32800	33148
1	STB	1	1	4	32187	32855		
	SD	1 1/2	1	4	32082	30679	32801	32351
	XL	2	1	4 1/2	32306	30141		
	XL	2 1/2	1	5	32307	30142		
	XL	3	1	6	32308	30143		
Metric								
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		
7.00	XL	29.00	6.00	76.00	92162			
	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		



FAST
QUOTES

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END MILLS

3215 2 Flute - Square End Double End



2 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number		
					UC	TIALN	TIN
1/32	STB	3/32	1/8	1 1/2	32465	36021	32713
3/64	STB	1/8	1/8	1 1/2	32466	36022	32714
1/16	STB	1/8	1/8	1 1/2	32467	36023	32715
	SD	3/16	1/8	2	32413		
5/64	STB	1/8	1/8	1 1/2	32533	36024	32862
3/32	STB	3/16	1/8	1 1/2	32468	36025	32716
	SD	3/8	1/8	2	32414		
7/64	STB	3/16	1/8	1 1/2	32534	36026	32863
1/8	STB	1/4	1/8	1 1/2	32469	36027	32717
	SD	3/8	1/8	2	32415		
9/64	STB	5/16	3/16	2	32586	36028	
5/32	STB	5/16	3/16	2	32470	36029	32718
	SD	7/16	3/16	3	32416		
11/64	STB	5/16	3/16	2	32587	36030	
3/16	STB	3/8	3/16	2	32471	36031	32719
	SD	1/2	3/16	3	32417		
13/64	STB	1/2	1/4	2 1/2	32588	36032	
7/32	STB	1/2	1/4	2 1/2	32472	36033	32720
	SD	9/16	1/4	3	32418		
15/64	STB	1/2	1/4	2 1/2	32589	36034	
1/4	STB	1/2	1/4	2 1/2	32473	36035	
	SD	5/8	1/4	3	32419		
9/32	STB	1/2	5/16	2 1/2	32595	36036	
5/16	STB	1/2	5/16	2 1/2	32474	36037	32722
	SD	3/4	5/16	3	32421		
3/8	STB	9/16	3/8	2 1/2	32475	36038	32723
	SD	3/4	3/8	3 1/2	32423		
7/16	STB	5/8	7/16	2 3/4	32476	36039	32724
	SD	7/8	7/16	4	32424		
1/2	STB	5/8	1/2	3	32477	36040	32725
	SD	1	1/2	4	32425		

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SQUARE



2 FLUTES



CENTER CUTTING



STB SD LENGTHS



UNCOATED TIN TIALN COATING



IMPERIAL

FAST
QUOTES

END MILLS

3215 2 Flute - Ball End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
1/4	XL	1 1/8	1/4	3	32568	30148		
	XL	1 1/2	1/4	4	32311	30150		
	XL	1 1/2	1/4	6	32569	30151		
17/64	SD	7/8	5/16	2 1/2	32950	30770	30392	30543
9/32	SD	7/8	5/16	2 1/2	32099	30771	30393	30544
19/64	SD	7/8	5/16	2 1/2	32951	30772	30394	30545
5/16	STB	1/2	5/16	2 1/2	32197	32891		
	SD	7/8	5/16	2 1/2	32100	30773	30395	30546
	XL	1	5/16	4	30216	30153		
	XL	1 1/8	5/16	3	32577	30152		
	XL	1 1/2	5/16	6	32570	30155		
21/64	SD	7/8	3/8	2 1/2	32952	30774	30396	30547
11/32	SD	7/8	3/8	2 1/2	32101	30775	30397	30548
23/64	SD	1	3/8	2 1/2	32953	30776	30398	30549
3/8	STB	5/8	3/8	2 1/2	32198	32892		
	SD	1	3/8	2 1/2	32102	30777	30399	30550
	XL	1	3/8	4	30217	30157		
	XL	1 1/8	3/8	3	32581	30156		
	XL	1 1/2	3/8	4	30223	30158		
	XL	1 1/2	3/8	6	32571	30160		
	XL	2	3/8	4	32313	30159		
	XL	3	3/8	6	32314	30161		
25/64	SD	1	7/16	2 3/4	32954	30778	30400	30551
13/32	SD	1	7/16	2 3/4	32905	30779	30401	30552
27/64	SD	1	7/16	2 3/4	32955	30780	30402	30553
7/16	STB	3/4	7/16	2 3/4	32199	32893		
	SD	1	7/16	2 3/4	32103	30781	30403	30554
	XL	1	7/16	4	30218	30162		
	XL	1 1/2	7/16	6	32572	30164		
	XL	2	7/16	4	32315	30163		
29/64	SD	1	1/2	3	32956	30782	30404	30555
15/32	SD	1	1/2	3	32915	30783	30405	30556
31/64	SD	1	1/2	3	32957	30784	30406	30557
1/2	STB	3/4	1/2	3	32200	32894		
	SD	1	1/2	3	32104	30785	30407	30558
	XL	1	1/2	4	30219	30166		
	XL	1 1/2	1/2	4	32585	30167		
	XL	1 1/2	1/2	6	32573	30169		
	XL	2	1/2	4	32317	30168		
9/16	SD	1 1/4	9/16	3 1/2	32105	30786	30408	30559
5/8	STB	1	5/8	3 1/2	32201	32895		
	SD	1 1/2	5/8	3 1/2	32106	30787	30409	30560
	XL	1 1/2	5/8	6	30229	30172		
	XL	2 1/2	5/8	5	32319	30171		
	XL	3	5/8	6	32320	30173		
11/16	SD	1 1/2	3/4	4	32107	30788	30410	30561
3/4	STB	1	3/4	4	32202	32896		
	SD	1 1/2	3/4	4	32108	30789	30411	30562
	XL	1 1/2	3/4	6	30231	30175		
	XL	2 1/2	3/4	5	32321	30174		
	XL	3	3/4	6	32322	30176		

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BALL



FLUTES



CENTER CUTTING



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IMPERIAL METRIC



END MILLS

3215 2 Flute - Ball End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
7/8	SD	1 1/2	7/8	4	32109	30790	30412	30563
1	STB	1	1	4	32203	32897		
	SD	1 1/2	1	4	32110	30791	30413	30564
	XL	2	1	4 1/2	32323	30177		
	XL	2 1/2	1	5	32324	30178		
	XL	3	1	6	32325	30179		
Metric								
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		



BALL



2 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



UNCOATED TIN TIALN TICN COATING



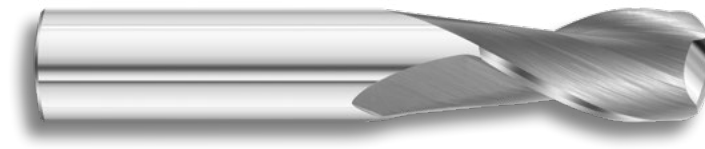
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FAST
QUOTES

■ Titanium ■ Super Alloys ■ Stainless Steels ■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al ■ General Purpose

END MILLS

3215 2 Flute - Radius End



2 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number	
						UC	TIALN
1/8	SD	1/2	1/8	1 1/2	.0150	33745	33845
	SD	1/2	1/8	1 1/2	.0200	33754	33854
3/16	SD	5/8	3/16	2	.0150	33746	33846
	SD	5/8	3/16	2	.0200	33755	33855
	SD	5/8	3/16	2	.0300	33763	33863
1/4	SD	3/4	1/4	2 1/2	.0150	33747	33847
	SD	3/4	1/4	2 1/2	.0200	33756	33856
	SD	3/4	1/4	2 1/2	.0300	33764	33864
5/16	SD	7/8	5/16	2 1/2	.0150	33748	33848
	SD	7/8	5/16	2 1/2	.0200	33757	33857
	SD	7/8	5/16	2 1/2	.0300	33765	33865
	SD	7/8	5/16	2 1/2	.0450	33772	33872
3/8	SD	1	3/8	2 1/2	.0150	33749	33849
	SD	1	3/8	2 1/2	.0200	33758	33858
	SD	1	3/8	2 1/2	.0300	33766	33866
	SD	1	3/8	2 1/2	.0450	33773	33873
	SD	1	3/8	2 1/2	.0600	33778	33878
1/2	SD	1	1/2	3	.0150	33750	33850
	SD	1	1/2	3	.0200	33759	33859
	SD	1	1/2	3	.0300	33767	33867
	SD	1	1/2	3	.0450	33774	33874
	SD	1	1/2	3	.0600	33779	33879
	SD	1	1/2	3	.0900	33783	33883
	SD	1	1/2	3	.1250	33787	33887
5/8	SD	1 1/2	5/8	3 1/2	.0150	33751	33851
	SD	1 1/2	5/8	3 1/2	.0200	33760	33860
	SD	1 1/2	5/8	3 1/2	.0300	33768	33868
	SD	1 1/2	5/8	3 1/2	.0450	33775	33875
	SD	1 1/2	5/8	3 1/2	.0600	33780	33880
SD	1 1/2	5/8	3 1/2	.0900	33784	33884	



RADIUS



2 FLUTES



CENTER CUTTING



STANDARD



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TIALN COATING



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END MILLS

3215 2 Flute - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Corner Radius	EDP Number	
						UC	TIALN
5/8	SD	1 1/2	5/8	3 1/2	.1250	33803	33888
3/4	SD	1 1/2	3/4	4	.0150	33752	33852
	SD	1 1/2	3/4	4	.0200	33761	33861
	SD	1 1/2	3/4	4	.0300	33769	33869
	SD	1 1/2	3/4	4	.0450	33776	33876
	SD	1 1/2	3/4	4	.0600	33781	33881
	SD	1 1/2	3/4	4	.0900	33785	33885
	SD	1 1/2	3/4	4	.1250	33788	33889
	1	SD	1 1/2	1	4	.0150	33753
SD		1 1/2	1	4	.0200	33762	33862
SD		1 1/2	1	4	.0300	33770	33870
SD		1 1/2	1	4	.0450	33777	33877
SD		1 1/2	1	4	.0600	33782	33882
SD		1 1/2	1	4	.0900	33786	33886
SD		1 1/2	1	4	.1250	33789	33890



RADIUS



2 FLUTES



CENTER CUTTING



STANDARD



UNCOATED



TIALN COATING



IMPERIAL



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END MILLS

2002 JIT 2 Flute - Square/Ball/Radius End



JIT SERVICES 48-Hour Just in Time Delivery

12 PIECES OR LESS



Square End - **Standard Base Price**
 Radius End - **+15% to Base Price**
 Ball End (Full Radius) - **+20% to Base Price**
 Weldon Flats and Coatings Available
 2 Flutes - 3215 Series Design
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6
 Cutter Diameter: +.0000" - .002"
 +0.00mm -0.05mm

Size Range	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number		
					Square	Ball	Radius
.1200 - .1406	SD	9/16	3/16	2	20226S	20226B	20226R
.1407 - .1562	SD	9/16	3/16	2	20228S	20228B	20228R
.1563 - .1719	SD	9/16	3/16	2	20230S	20230B	20230R
.1720 - .1875	SD	5/8	3/16	2	20232S	20232B	20232R
.1876 - .2031	SD	5/8	1/4	2 1/2	20234S	20234B	20234R
.2032 - .2188	SD	5/8	1/4	2 1/2	20236S	20236B	20236R
.2189 - .2344	SD	3/4	1/4	2 1/2	20238S	20238B	20238R
.2345 - .2500	SD	3/4	1/4	2 1/2	20240S	20240B	20240R
.2501 - .2656	SD	7/8	5/16	2 1/2	20242S	20242B	20242R
.2657 - .2812	SD	7/8	5/16	2 1/2	20244S	20244B	20244R
.2813 - .2969	SD	7/8	5/16	2 1/2	20246S	20246B	20246R
.2970 - .3125	SD	7/8	5/16	2 1/2	20248S	20248B	20248R
.3126 - .3281	SD	7/8	3/8	2 1/2	20250S	20250B	20250R
.3282 - .3438	SD	7/8	3/8	2 1/2	20252S	20252B	20252R
.3439 - .3594	SD	1	3/8	2 1/2	20254S	20254B	20254R
.3595 - .3750	SD	1	3/8	2 1/2	20256S	20256B	20256R
.3751 - .3906	SD	1	7/16	2 3/4	20258S	20258B	20258R
.3907 - .4062	SD	1	7/16	2 3/4	20260S	20260B	20260R
.4063 - .4219	SD	1	7/16	2 3/4	20262S	20262B	20262R
.4220 - .4375	SD	1	7/16	2 3/4	20264S	20264B	20264R
.4376 - .4531	SD	1	1/2	3	20266S	20266B	20266R
.4532 - .4688	SD	1	1/2	3	20268S	20268B	20268R

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END MILLS

2002 JIT 2 Flute - Square/Ball/Radius End

Size Range	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number		
					Square	Ball	Radius
.4689 - .4844	SD	1	1/2	3	20270S	20270B	20270R
.4845 - .5000	SD	1	1/2	3	20272S	20272B	20272R
.5001 - .5625	SD	1 1/4	9/16	3 1/2	20274S	20274B	20274R
.5626 - .6250	SD	1 1/2	5/8	3 1/2	20276S	20276B	20276R
.6251 - .6875	SD	1 1/2	3/4	4	20278S	20278B	20278R
.6876 - .7500	SD	1 1/2	3/4	4	20280S	20280B	20280R
.7501 - .8125	SD	1 1/2	7/8	4	20282S	20282B	20282R
.8126 - .8750	SD	1 1/2	7/8	4	20284S	20284B	20284R
.8751 - .9375	SD	1 1/2	1	4	20286S	20286B	20286R
.9376 - 1.0000	SD	1 1/2	1	4	20288S	20288B	20288R
Metric							
3.00 - 3.50	SD	14.00	5.00	51.00	90213S	90213B	90213R
3.51 - 4.00	SD	14.00	5.00	51.00	90214S	90214B	90214R
4.01 - 4.50	SD	14.00	5.00	51.00	90215S	90215B	90215R
4.51 - 5.00	SD	16.00	5.00	51.00	90216S	90216B	90216R
5.01 - 5.50	SD	16.00	6.00	64.00	90217S	90217B	90217R
5.51 - 6.00	SD	20.00	6.00	64.00	90218S	90218B	90218R
6.01 - 6.50	SD	22.00	8.00	64.00	90219S	90219B	90219R
6.51 - 7.00	SD	22.00	8.00	64.00	90220S	90220B	90220R
7.01 - 7.50	SD	22.00	8.00	64.00	90221S	90221B	90221R
7.51 - 8.00	SD	22.00	8.00	64.00	90222S	90222B	90222R
8.01 - 8.50	SD	22.00	10.00	64.00	90223S	90223B	90223R
8.51 - 9.00	SD	22.00	10.00	64.00	90224S	90224B	90224R
9.01 - 9.50	SD	25.00	10.00	64.00	90225S	90225B	90225R
9.51 - 10.00	SD	25.00	10.00	64.00	90226S	90226B	90226R
10.01 - 10.50	SD	25.00	11.00	71.00	90227S	90227B	90227R
10.51 - 11.00	SD	25.00	11.00	71.00	90228S	90228B	90228R
11.01 - 11.50	SD	25.00	12.00	76.00	90229S	90229B	90229R
11.51 - 12.00	SD	25.00	12.00	76.00	90230S	90230B	90230R
12.01 - 13.00	SD	32.00	14.00	84.00	90231S	90231B	90231R
13.01 - 14.00	SD	32.00	14.00	84.00	90232S	90232B	90232R
14.01 - 15.00	SD	38.00	16.00	89.00	90233S	90233B	90233R
15.01 - 16.00	SD	38.00	16.00	89.00	90234S	90234B	90234R
16.01 - 17.00	SD	38.00	20.00	100.00	90235S	90235B	90235R
17.01 - 18.00	SD	38.00	20.00	100.00	90236S	90236B	90236R
18.01 - 19.00	SD	38.00	20.00	100.00	90237S	90237B	90237R
19.01 - 20.00	SD	38.00	20.00	100.00	90238S	90238B	90238R
20.01 - 21.00	SD	38.00	22.00	100.00	90239S	90239B	90239R
21.01 - 22.00	SD	38.00	22.00	100.00	90240S	90240B	90240R
22.01 - 23.00	SD	38.00	25.00	100.00	90241S	90241B	90241R
23.01 - 24.00	SD	38.00	25.00	100.00	90242S	90242B	90242R
24.01 - 25.00	SD	38.00	25.00	100.00	90243S	90243B	90243R



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END MILLS

3215SM Sub-Miniature - Square End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					UC
.0230	SMS	.0345	1/8	1 1/2	32365
	SM	.0690	1/8	1 1/2	30913
.0240	SMS	.0360	1/8	1 1/2	32366
	SM	.0720	1/8	1 1/2	30914
.0250	SMS	.0375	1/8	1 1/2	32367
	SM	.0750	1/8	1 1/2	30915
.0260	SMS	.0390	1/8	1 1/2	32368
	SM	.0780	1/8	1 1/2	30916
.0270	SMS	.0405	1/8	1 1/2	32369
	SM	.0810	1/8	1 1/2	30917
.0280	SMS	.0420	1/8	1 1/2	32370
	SM	.0840	1/8	1 1/2	30918
.0290	SMS	.0435	1/8	1 1/2	32371
	SM	.0870	1/8	1 1/2	30919
.0300	SMS	.0450	1/8	1 1/2	32372
	SM	.0900	1/8	1 1/2	30920
.0310	SM	.0930	1/8	1 1/2	30921
.0350	SM	.1050	1/8	1 1/2	30922
.0400	SM	.1200	1/8	1 1/2	30923
.0470	SM	.1410	1/8	1 1/2	30924
.0500	SM	.1500	1/8	1 1/2	30925
.0550	SM	.1650	1/8	1 1/2	30926
.0600	SM	.1800	1/8	1 1/2	30927



SQUARE



2
FLUTES



CENTER CUTTING



SMS 1.5x SM 3.0x
FLUTE LENGTH



UC
UNCOATED



1
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END MILLS

3215SM Sub-Miniature - Ball End



2 Flutes
 30° Helix
 1.5x (SMS) and 3x (SM) Diameter Flute Lengths
 Right Hand Spiral
 Right Hand Cut
 Dura Carb II for Enhanced Shock Resistance
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0005" -.0005"
 +0.02mm -0.02mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					UC
.0050	SMS	.0075	1/8	1 1/2	32609
.0060	SMS	.0090	1/8	1 1/2	32668
.0070	SMS	.0105	1/8	1 1/2	32669
.0080	SMS	.0120	1/8	1 1/2	32698
.0090	SMS	.0135	1/8	1 1/2	32699
.0100	SMS	.0150	1/8	1 1/2	32670
	SM	.0300	1/8	1 1/2	30935
.0110	SMS	.0165	1/8	1 1/2	32671
	SM	.0330	1/8	1 1/2	30936
.0120	SMS	.0180	1/8	1 1/2	32672
	SM	.0360	1/8	1 1/2	30937
.0130	SMS	.0195	1/8	1 1/2	32673
	SM	.0390	1/8	1 1/2	30938
.0140	SMS	.0210	1/8	1 1/2	32674
	SM	.0420	1/8	1 1/2	30939
.0150	SMS	.0225	1/8	1 1/2	32675
	SM	.0450	1/8	1 1/2	30940
.0160	SMS	.0240	1/8	1 1/2	32676
	SM	.0480	1/8	1 1/2	30941
.0170	SMS	.0255	1/8	1 1/2	32677
	SM	.0510	1/8	1 1/2	30942
.0180	SMS	.0270	1/8	1 1/2	32678
	SM	.0540	1/8	1 1/2	30943
.0190	SMS	.0285	1/8	1 1/2	32679
	SM	.0570	1/8	1 1/2	30944
.0200	SMS	.0300	1/8	1 1/2	32680
	SM	.0600	1/8	1 1/2	30945
.0210	SMS	.0315	1/8	1 1/2	32681
	SM	.0630	1/8	1 1/2	30946
.0220	SMS	.0330	1/8	1 1/2	32697
	SM	.0660	1/8	1 1/2	30947



BALL



2 FLUTES



CENTER CUTTING



FLUTE LENGTH



UNCOATED



IMPERIAL

■ Titanium ■ Super Alloys ■ Stainless Steels ■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al ■ General Purpose

END MILLS

3215SM Sub-Miniature - Ball End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					UC
.0230	SMS	.0345	1/8	1 1/2	32682
	SM	.0690	1/8	1 1/2	30948
.0240	SMS	.0360	1/8	1 1/2	32683
	SM	.0720	1/8	1 1/2	30949
.0250	SMS	.0375	1/8	1 1/2	32684
	SM	.0750	1/8	1 1/2	30950
.0260	SMS	.0390	1/8	1 1/2	32685
	SM	.0780	1/8	1 1/2	30951
.0270	SMS	.0405	1/8	1 1/2	32686
	SM	.0810	1/8	1 1/2	30952
.0280	SMS	.0420	1/8	1 1/2	32687
	SM	.0840	1/8	1 1/2	30953
.0290	SMS	.0435	1/8	1 1/2	32688
	SM	.0870	1/8	1 1/2	30954
.0300	SMS	.0450	1/8	1 1/2	32689
	SM	.0900	1/8	1 1/2	30955
.0310	SM	.0930	1/8	1 1/2	30956
.0350	SM	.1050	1/8	1 1/2	30957
.0400	SM	.1200	1/8	1 1/2	30958
.0470	SM	.1410	1/8	1 1/2	30959
.0500	SM	.1500	1/8	1 1/2	30960
.0550	SM	.1650	1/8	1 1/2	30961
.0600	SM	.1800	1/8	1 1/2	30962



BALL



FLUTES



CENTER CUTTING



FLUTE LENGTH



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END MILLS

3261 Tapered Mill - Ball End



2 Straight Flutes
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

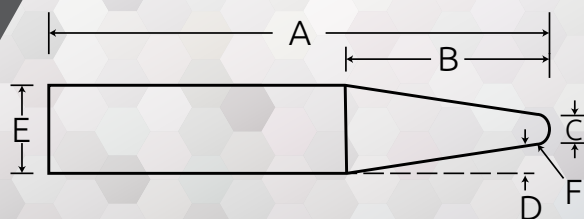
Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0005" -.0005" on Nose Radius
 +0.02mm -0.02mm on Nose Radius

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Nose Diameter	EDP Number	
						UC	TIALN
1/8	SD	5/16	1/8	1 1/2	1/16	32600	38772
5/32	SD	5/16	5/32	2	5/64	32601	38773
3/16	SD	3/8	3/16	2	3/32	32602	38774
1/4	SD	1/2	1/4	2 1/2	1/8	32603	38775
5/16	SD	5/8	5/16	2 1/2	5/32	32604	38776
3/8	SD	3/4	3/8	2 1/2	3/16	32605	38777
7/16	SD	7/8	7/16	2 3/4	7/32	32606	38778
1/2	SD	1	1/2	3	1/4	32607	38779

SPECIAL TAPERED END MILLS
 Special cutters are available for quote. Use this diagram for your specific requirements.

A-Overall Length
 B-Approximate Flute Length
 C-Nose Diameter
 D-Center Line Angle
 E-Shank Diameter
 F-Square or Nose Radius

Include Style of Flute



BALL



2
FLUTES



CENTER CUTTING



SD
STANDARD



UNCOATED
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COATING



I
IMPERIAL

■ Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron
 ■ Brass & Copper ■ High Si Al ■ Low Si Al ■ General Purpose

END MILLS

3300 3 Flute - Square End



3 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
1/32	SD	3/32	1/8	1 1/2	33002	30680	30301	30452
3/64	SD	3/16	1/8	1 1/2	33003	30681	30302	30453
1/16	SD	1/4	1/8	1 1/2	33004	30682	30303	30454
5/64	SD	1/4	1/8	1 1/2	33005	30683	30304	30455
3/32	SD	3/8	1/8	1 1/2	33006	30684	30305	30456
7/64	SD	1/2	1/8	1 1/2	33007	30685	30306	30457
1/8	SD	1/2	1/8	1 1/2	33008	30686	30307	
	XL	3/4	1/8	3	30234	30011		
9/64	SD	9/16	3/16	2	33009	30687	30308	30459
	XL	1	1/8	3	33059	30180		
5/32	SD	9/16	3/16	2	33010	30688	30309	30460
11/64	SD	9/16	3/16	2	32660	30689	30310	30461
3/16	SD	5/8	3/16	2	33011	30690	30311	
	XL	1 1/4	3/16	3	33060	30181		
13/64	SD	5/8	1/4	2 1/2	32661	30691	30312	30463
7/32	SD	5/8	1/4	2 1/2	33012	30692	30313	30464
15/64	SD	3/4	1/4	2 1/2	32662	30693	30314	30465
1/4	SD	3/4	1/4	2 1/2	33013	30694	30315	
	XL	1 1/2	1/4	4	33061	30183		
17/64	SD	7/8	5/16	2 1/2	32960	30695	30316	30467
9/32	SD	7/8	5/16	2 1/2	33014	30696	30317	30468
19/64	SD	7/8	5/16	2 1/2	32961	30697	30318	30469
5/16	SD	7/8	5/16	2 1/2	33015	30698	30319	30470
	XL	1 5/8	5/16	4	33062	30184		
21/64	SD	7/8	3/8	2 1/2	32962	30699	30320	30471
11/32	SD	7/8	3/8	2 1/2	33016	30700	30321	30472
23/64	SD	1	3/8	2 1/2	32963	30701	30322	30473
3/8	SD	1	3/8	2 1/2	33017	30702	30323	30474
	XL	2	3/8	4	33063	30185		
	XL	3	3/8	6	33064	30186		



SQUARE



3 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



UNCOATED TIN TIALN TICN COATING



IMPERIAL METRIC



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



END MILLS

3300 3 Flute - Square End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
25/64	SD	1	7/16	2 3/4	32964	30703	30324	30475
13/32	SD	1	7/16	2 3/4	32902	30704	30325	30476
27/64	SD	1	7/16	2 3/4	32965	30705	30326	30477
7/16	SD	1	7/16	2 3/4	33018	30706	30327	30478
	XL	2	7/16	4	33065	30187		
	XL	3	7/16	6	33066	30188		
29/64	SD	1	1/2	3	32966	30707	30328	30479
15/32	SD	1	1/2	3	32912	30708	30329	30480
31/64	SD	1	1/2	3	32967	30709	30330	30481
1/2	SD	1	1/2	3	33019	30710	30331	30482
	XL	1 1/4	1/2	3	30247	30189		
	XL	1 1/2	1/2	4	32598	30190		
	XL	2	1/2	4	33067	30191		
	XL	3	1/2	6	33068	30192		
9/16	SD	1 1/4	9/16	3 1/2	33020	30711	30332	30483
5/8	SD	1 1/2	5/8	3 1/2	33021	30712	30333	30484
	XL	2 1/2	5/8	5	33079	30193		
11/16	SD	1 1/2	3/4	4	33022	30713	30334	30485
3/4	SD	1 1/2	3/4	4	33023	30714	30335	30486
	XL	2 1/2	3/4	5	33080	30194		
7/8	SD	1 1/2	7/8	4	33024	30715	30336	30487
1	SD	1 1/2	1	4	33025	30716	30337	30488
Metric								
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		

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SQUARE



3 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC



END MILLS

3300 3 Flute - Ball End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
25/64	SD	1	7/16	2 3/4	32974	30815	30437	30588
13/32	SD	1	7/16	2 3/4	32906	30816	30438	30589
27/64	SD	1	7/16	2 3/4	32975	30817	30439	30590
7/16	SD	1	7/16	2 3/4	33046	30818	30440	30591
	XL	2	7/16	4	33075	30003		
	XL	3	7/16	6	33076	30004		
29/64	SD	1	1/2	3	32976	30819	30441	30592
15/32	SD	1	1/2	3	32916	30820	30442	30593
31/64	SD	1	1/2	3	32977	30821	30443	30594
1/2	SD	1	1/2	3	33047	30822	30444	30595
	XL	1 1/4	1/2	3	30249	30005		
	XL	1 1/2	1/2	4	32599	30006		
	XL	2	1/2	4	33077	30007		
	XL	3	1/2	6	33078	30008		
9/16	SD	1 1/4	9/16	3 1/2	33048	30823	30445	30596
5/8	SD	1 1/2	5/8	3 1/2	33049	30824	30446	30597
	XL	2 1/2	5/8	5	33089	30009		
11/16	SD	1 1/2	3/4	4	33050	30825	30447	30598
3/4	SD	1 1/2	3/4	4	33051	30826	30448	30599
	XL	2 1/2	3/4	5	33090	30012		
7/8	SD	1 1/2	7/8	4	33052	30827	30449	30600
1	SD	1 1/2	1	4	33053	30828	30450	30601
Metric								
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		



BALL



FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC



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

END MILLS

2003 JIT 3 Flute - Square/Ball/Radius End



JIT SERVICES 48-Hour Just in Time Delivery

12 PIECES OR LESS



SQUARE



BALL



RADIUS

Square End - **Standard Base Price**
 Radius End - **+15% to Base Price**
 Ball End (Full Radius) - **+20% to Base Price**
 Weldon Flats and Coatings Available
 3 Flutes - 3300 Series Design
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Size Range	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number		
					Square	Ball	Radius
.1200 - .1406	SD	9/16	3/16	2	20326S	20326B	20326R
.1407 - .1562	SD	9/16	3/16	2	20328S	20328B	20328R
.1563 - .1719	SD	9/16	3/16	2	20330S	20330B	20330R
.1720 - .1875	SD	5/8	3/16	2	20332S	20332B	20332R
.1876 - .2031	SD	5/8	1/4	2 1/2	20334S	20334B	20334R
.2032 - .2188	SD	5/8	1/4	2 1/2	20336S	20336B	20336R
.2189 - .2344	SD	3/4	1/4	2 1/2	20338S	20338B	20338R
.2345 - .2500	SD	3/4	1/4	2 1/2	20340S	20340B	20340R
.2501 - .2656	SD	7/8	5/16	2 1/2	20342S	20342B	20342R
.2657 - .2812	SD	7/8	5/16	2 1/2	20344S	20344B	20344R
.2813 - .2969	SD	7/8	5/16	2 1/2	20346S	20346B	20346R
.2970 - .3125	SD	7/8	5/16	2 1/2	20348S	20348B	20348R
.3126 - .3281	SD	7/8	3/8	2 1/2	20350S	20350B	20350R
.3282 - .3438	SD	7/8	3/8	2 1/2	20352S	20352B	20352R
.3439 - .3594	SD	1	3/8	2 1/2	20354S	20354B	20354R
.3595 - .3750	SD	1	3/8	2 1/2	20356S	20356B	20356R
.3751 - .3906	SD	1	7/16	2 3/4	20358S	20358B	20358R
.3907 - .4062	SD	1	7/16	2 3/4	20360S	20360B	20360R
.4063 - .4219	SD	1	7/16	2 3/4	20362S	20362B	20362R
.4220 - .4375	SD	1	7/16	2 3/4	20364S	20364B	20364R
.4376 - .4531	SD	1	1/2	3	20366S	20366B	20366R
.4532 - .4688	SD	1	1/2	3	20368S	20368B	20368R

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END MILLS

2003 JIT 3 Flute - Square/Ball/Radius End

Size Range	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number		
					Square	Ball	Radius
.4689 - .4844	SD	1	1/2	3	20370S	20370B	20370R
.4845 - .5000	SD	1	1/2	3	20372S	20372B	20372R
.5001 - .5625	SD	1 1/4	9/16	3 1/2	20374S	20374B	20374R
.5626 - .6250	SD	1 1/2	5/8	3 1/2	20376S	20376B	20376R
.6251 - .6875	SD	1 1/2	3/4	4	20378S	20378B	20378R
.6876 - .7500	SD	1 1/2	3/4	4	20380S	20380B	20380R
.7501 - .8125	SD	1 1/2	7/8	4	20382S	20382B	20382R
.8126 - .8750	SD	1 1/2	7/8	4	20384S	20384B	20384R
.8751 - .9375	SD	1 1/2	1	4	20386S	20386B	20386R
.9376 - 1.0000	SD	1 1/2	1	4	20388S	20388B	20388R
Metric							
3.00 - 3.50	SD	14.00	5.00	51.00	90313S	90313B	90313R
3.51 - 4.00	SD	14.00	5.00	51.00	90314S	90314B	90314R
4.01 - 4.50	SD	14.00	5.00	51.00	90315S	90315B	90315R
4.51 - 5.00	SD	16.00	5.00	51.00	90316S	90316B	90316R
5.01 - 5.50	SD	16.00	6.00	64.00	90317S	90317B	90317R
5.51 - 6.00	SD	20.00	6.00	64.00	90318S	90318B	90318R
6.01 - 6.50	SD	22.00	8.00	64.00	90319S	90319B	90319R
6.51 - 7.00	SD	22.00	8.00	64.00	90320S	90320B	90320R
7.01 - 7.50	SD	22.00	8.00	64.00	90321S	90321B	90321R
7.51 - 8.00	SD	22.00	8.00	64.00	90322S	90322B	90322R
8.01 - 8.50	SD	22.00	10.00	64.00	90323S	90323B	90323R
8.51 - 9.00	SD	22.00	10.00	64.00	90324S	90324B	90324R
9.01 - 9.50	SD	25.00	10.00	64.00	90325S	90325B	90325R
9.51 - 10.00	SD	25.00	10.00	64.00	90326S	90326B	90326R
10.01 - 10.50	SD	25.00	11.00	71.00	90327S	90327B	90327R
10.51 - 11.00	SD	25.00	11.00	71.00	90328S	90328B	90328R
11.01 - 11.50	SD	25.00	12.00	76.00	90329S	90329B	90329R
11.51 - 12.00	SD	25.00	12.00	76.00	90330S	90330B	90330R
12.01 - 13.00	SD	32.00	14.00	84.00	90331S	90331B	90331R
13.01 - 14.00	SD	32.00	14.00	84.00	90332S	90332B	90332R
14.01 - 15.00	SD	38.00	16.00	89.00	90333S	90333B	90333R
15.01 - 16.00	SD	38.00	16.00	89.00	90334S	90334B	90334R
16.01 - 17.00	SD	38.00	20.00	100.00	90335S	90335B	90335R
17.01 - 18.00	SD	38.00	20.00	100.00	90336S	90336B	90336R
18.01 - 19.00	SD	38.00	20.00	100.00	90337S	90337B	90337R
19.01 - 20.00	SD	38.00	20.00	100.00	90338S	90338B	90338R
20.01 - 21.00	SD	38.00	22.00	100.00	90339S	90339B	90339R
21.01 - 22.00	SD	38.00	22.00	100.00	90340S	90340B	90340R
22.01 - 23.00	SD	38.00	25.00	100.00	90341S	90341B	90341R
23.01 - 24.00	SD	38.00	25.00	100.00	90342S	90342B	90342R
24.01 - 25.00	SD	38.00	25.00	100.00	90343S	90343B	90343R



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END MILLS

3200 4 Flute - Square End



4 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
1/64	SD	3/64	1/8	1 1/2	32001	30604	33098	33097
1/32	STB	1/16	1/8	1 1/2	32139	32822		
	SD	3/32	1/8	1 1/2	32002	30605	32727	33100
3/64	STB	1/8	1/8	1 1/2	32140	32823	32726	
	SD	3/16	1/8	1 1/2	32003	30606	32728	33101
1/16	STB	1/8	1/8	1 1/2	32141	32824		
	SD	1/4	1/8	1 1/2	32004	30607	32729	32326
5/64	STB	1/8	1/8	1 1/2	32142	32825		
	SD	1/4	1/8	1 1/2	32005	30608	32730	33102
3/32	STB	3/16	1/8	1 1/2	32143	32826		
	SD	3/8	1/8	1 1/2	32006	30609	32731	32327
7/64	STB	3/16	1/8	1 1/2	32144	32827		
	SD	1/2	1/8	1 1/2	32007	30610	32732	33103
1/8	STB	1/4	1/8	1 1/2	32145	32828		
	SD	1/2	1/8	1 1/2	32008	30611	32733	32328
	XL	3/4	1/8	3	30232	30030		
	XL	1	1/8	3	32252	30031		
9/64	SD	9/16	3/16	2	32009	30612	32734	33104
5/32	STB	3/8	3/16	2	32146	32829		
	SD	9/16	3/16	2	32010	30613	32735	33105
11/64	SD	9/16	3/16	2	32650	30614	32736	33106
	STB	3/8	3/16	2	32147	32830		
	SD	5/8	3/16	2	32011	30615	32737	32329
	XL	1	3/16	4	30238	30033		
3/16	XL	1 1/4	3/16	3	32253	30032		
	SD	5/8	1/4	2 1/2	32667	30616	32738	33107
7/32	SD	5/8	1/4	2 1/2	32012	30617	32739	33108
15/64	SD	3/4	1/4	2 1/2	32666	30618	32740	33109
	STB	1/2	1/4	2	32148	32831		
1/4	SD	3/4	1/4	2 1/2	32013	30619	32741	32330
	XL	1	1/4	4	30200	30035		



SQUARE



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



UNCOATED TIN TIALN TICN COATING



I M IMPERIAL METRIC

FAST
QUOTES

■ Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al ■ General Purpose

END MILLS

3200 4 Flute - Square End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
1/4	XL	1 1/8	1/4	3	32550	30034		
	XL	1 1/2	1/4	4	32254	30036		
	XL	1 1/2	1/4	6	32551	30037		
17/64	SD	7/8	5/16	2 1/2	32918	30620	32742	33110
9/32	SD	7/8	5/16	2 1/2	32014	30621	32743	33111
19/64	SD	7/8	5/16	2 1/2	32919	30622	32744	33112
5/16	STB	1/2	5/16	2 1/2	32149	32832		
	SD	7/8	5/16	2 1/2	32015	30623	32745	32331
	XL	1	5/16	4	30201	30039		
	XL	1 1/8	5/16	3	32574	30038		
	XL	1 1/2	5/16	6	32552	30041		
5/16	XL	1 5/8	5/16	4	32255	30040		
	SD	7/8	3/8	2 1/2	32920	30624	32746	33113
	SD	7/8	3/8	2 1/2	32016	30625	32747	33114
	SD	1	3/8	2 1/2	32921	30626	32748	33115
3/8	STB	5/8	3/8	2 1/2	32150	32833		
	SD	1	3/8	2 1/2	32017	30627	32749	32332
	XL	1	3/8	4	30202	30043		
	XL	1 1/8	3/8	3	32578	30042		
	XL	1 1/2	3/8	4	30220	30044		
	XL	1 1/2	3/8	6	32553	30046		
	XL	2	3/8	4	32256	30045		
	XL	3	3/8	6	32257	30047		
25/64	SD	1	7/16	2 3/4	32922	30628	32750	33116
13/32	SD	1	7/16	2 3/4	32900	30629	32751	33117
27/64	SD	1	7/16	2 3/4	32923	30630	32752	33118
7/16	STB	3/4	7/16	2 3/4	32151	32834		
	SD	1	7/16	2 3/4	32018	30631	32753	32333
	XL	1	7/16	4	30203	30048		
	XL	1 1/2	7/16	6	32554	30050		
	XL	2	7/16	4	32258	30049		
	XL	3	7/16	6	32259	30051		
29/64	SD	1	1/2	3	32924	30632	32754	33119
15/32	SD	1	1/2	3	32910	30633	32755	33120
31/64	SD	1	1/2	3	32925	30634	32756	33121
1/2	STB	3/4	1/2	3	32152	32835		
	SD	1	1/2	3	32019	30635	32757	32334
	XL	1	1/2	4	30204	30053		
	XL	1 1/4	1/2	3	30239	30052		
	XL	1 1/2	1/2	4	32582	30054		
	XL	1 1/2	1/2	6	32555	30056		
	XL	2	1/2	4	32260	30055		
9/16	XL	3	1/2	6	32261	30057		
	SD	1 1/4	9/16	3 1/2	32020	30636	32758	32335
	STB	1	5/8	3 1/2	32153	32836		
	SD	1 1/2	5/8	3 1/2	32021	30637	32759	32336
5/8	XL	1 1/2	5/8	6	30224	30059		
	XL	2 1/2	5/8	5	32262	30058		
	XL	3	5/8	6	32263	30060		
	SD	1 1/2	3/4	4	32022	30638	32760	33122
3/4	STB	1	3/4	4	32154	32837		
	SD	1 1/2	3/4	4	32023	30639	32761	32337
	XL	1 1/2	3/4	6	30226	30062		

■ Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al ■ General Purpose



SQUARE



4 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC



END MILLS

3200 4 Flute - Square End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
3/4	XL	2	3/4	5	32250	30024		
	XL	2 1/2	3/4	5	32264	30061		
	XL	3	3/4	6	32265	30063		
	XL	4	3/4	7	32266	30064		
7/8	SD	1 1/2	7/8	4	32024	30640	32762	33123
1	STB	1	1	4	32155	32838		
	SD	1 1/2	1	4	32025	30641	32763	32338
	XL	2	1	4 1/2	32267	30065		
	XL	2 1/2	1	5	32268	30066		
	XL	3	1	6	32269	30067		
	XL	4	1	7	32270	30068		
1 1/8	SD	2	1	4 1/2	32026			
1 1/4	SD	2	1 1/4	4 1/2	32027			
	XL	3	1 1/4	6	32271			
1 3/8	SD	2	1 1/4	4 1/2	32028			
1 1/2	SD	2	1 1/4	4 1/2	32029			
Metric								
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		
	STB	8.00	4.00	50.00	91320	92101		
4.00	SD	14.00	4.00	50.00	92007	92207		
	XL	25.00	4.00	64.00	91251	91317		
	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		
	STB	12.00	8.00	50.00	92104	92225		
8.00	SD	22.00	8.00	64.00	92011	92212		
	XL	29.00	8.00	76.00	92124	92230		
	SD	22.00	9.00	64.00	92012	92213		



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END MILLS

3200 4 Flute - Square End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
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		
14.00	XL	76.00	12.00	150.00	92127	92137		
	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		
18.00	XL	76.00	16.00	150.00	92133	92147		
	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		



SQUARE



FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC

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END MILLS

3200 4 Flute - Square End Double End



3 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -0.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Weldon Flat	EDP Number			
						UC	TIALN	TICN	TIN
1/32	STB	3/32	1/8	1 1/2		32439	36001		32700
3/64	STB	1/8	1/8	1 1/2		32440	36002		32701
1/16	STB	1/8	1/8	1 1/2		32441	36003		32702
5/64	SD	3/16	1/8	2		32387	12387		
3/32	STB	1/8	1/8	1 1/2		32519	36004		32860
7/64	SD	3/8	1/8	2		32442	36005		32703
1/8	STB	3/16	1/8	1 1/2		32388	12388		
9/64	SD	3/8	1/8	2		32530	36006		32861
5/32	STB	1/4	1/8	1 1/2		32443	36007		32704
3/16	SD	3/8	3/8	3 1/2	✓	32389	12389		
11/64	STB	5/16	3/16	2		32491	37001		
3/8	SD	3/8	3/8	3 1/2	✓	32537	36008		
1/2	STB	5/16	3/16	2		32444	36009		32705
5/8	SD	7/16	3/16	3		32390	12390		
3/4	SD	7/16	3/8	3 1/2	✓	32492	37002		
7/8	STB	5/16	3/16	2		32538	36010		
1	SD	1/2	3/16	3		32445	36011	32621	32706
1 1/8	STB	3/8	3/16	2		32391	12391		
1 1/4	SD	1/2	3/8	3 1/2	✓	32493	37003		
1 1/2	STB	1/2	1/4	2 1/2		32539	36012		
1 3/4	SD	1/2	1/4	2 1/2		32446	36013		32707
2	STB	9/16	1/4	3		32392	12392		
2 1/4	SD	9/16	3/8	3 1/2	✓	32494	37004		
2 1/2	STB	1/2	1/4	2 1/2		32545	36014		
2 3/4	SD	1/2	1/4	2 1/2		32447	36015	32624	32708
3	STB	5/8	1/4	3		32393	12393		
3 1/4	SD	5/8	3/8	3 1/2	✓	32495	37005		
3 1/2	STB	1/2	5/16	2 1/2		32594	36016		
3 3/4	SD	11/16	3/8	3 1/2	✓	32496	37006		
4	STB	1/2	5/16	2 1/2		32448	36017	32626	32709
4 1/4	SD	3/4	5/16	3		32395	12395		



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END MILLS

3200 4 Flute - Square End Double End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Weldon Flat	EDP Number			
						UC	TIALN	TICN	TIN
5/16	SD	3/4	3/8	3 1/2	✓	32497	37007		
3/8	STB	9/16	3/8	2 1/2		32449	36018	32627	32710
	SD	3/4	3/8	3 1/2		32397	12397		
7/16	STB	5/8	7/16	2 3/4		32450	36019		32711
	SD	7/8	7/16	4		32398	12398		
1/2	STB	5/8	1/2	3		32451	36020		32712
	SD	1	1/2	4		32399	12399		



SQUARE

4

FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL

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END MILLS

3200 4 Flute - Ball End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
1/4	XL	1 1/2	1/4	4	32274	30075		
	XL	1 1/2	1/4	6.0000	32557	30076		
17/64	SD	7/8	5/16	2 1/2	32930	30732	30354	30505
9/32	SD	7/8	5/16	2 1/2	32042	30733	30355	30506
19/64	SD	7/8	5/16	2 1/2	32931	30734	30356	30507
5/16	STB	1/2	5/16	2 1/2	32165	32874		
	SD	7/8	5/16	2 1/2	32043	30735	30357	30508
	XL	1	5/16	4	30206	30078		
	XL	1 1/8	5/16	3	32575	30077		
	XL	1 1/2	5/16	6	32558	30080		
21/64	XL	1 5/8	5/16	4	32275	30079		
	SD	7/8	3/8	2 1/2	32932	30736	30358	30509
11/32	SD	7/8	3/8	2 1/2	32044	30737	30359	30510
23/64	SD	1	3/8	2 1/2	32933	30738	30360	30511
3/8	STB	5/8	3/8	2 1/2	32166	32875		
	SD	1	3/8	2 1/2	32045	30739	30361	30512
	XL	1	3/8	4	30207	30082		
	XL	1 1/8	3/8	3	32579	30081		
	XL	1 1/2	3/8	4	30221	30083		
	XL	1 1/2	3/8	6	32559	30085		
	XL	2	3/8	4	32276	30084		
	XL	3	3/8	6	32277	30086		
25/64	SD	1	7/16	2 3/4	32934	30740	30362	30513
13/32	SD	1	7/16	2 3/4	32904	30741	30363	30514
27/64	SD	1	7/16	2 3/4	32935	30742	30364	30515
7/16	STB	3/4	7/16	2 3/4	32167	32876		
	SD	1	7/16	2 3/4	32046	30743	30365	30516
	XL	1	7/16	4	30208	30087		
	XL	1 1/2	7/16	6	32560	30089		
	XL	2	7/16	4	32278	30088		
29/64	XL	3	7/16	6	32279	30090		
	SD	1	1/2	3	32936	30744	30366	30517
15/32	SD	1	1/2	3	32914	30745	30367	30518
31/64	SD	1	1/2	3	32937	30746	30368	30519
1/2	STB	3/4	1/2	3	32168	32877		
	SD	1	1/2	3	32047	30747	30369	30520
	XL	1	1/2	4	30209	30092		
	XL	1 1/4	1/2	3	30241	30091		
	XL	1 1/2	1/2	4	32583	30093		
	XL	1 1/2	1/2	6	32561	30095		
	XL	2	1/2	4	32280	30094		
9/16	XL	3	1/2	6	32281	30096		
	SD	1 1/4	9/16	3 1/2	32048	30748	30370	30521
5/8	XL	3	9/16	6	32251			
	STB	1	9/16	3 1/2	32169	32878		
	SD	1 1/2	9/16	3 1/2	32049	30749	30371	30522
	XL	1 1/2	9/16	6	30228	30098		
	XL	2 1/2	9/16	5	32282	30097		
11/16	XL	3	9/16	6	32283	30099		
	SD	1 1/2	3/4	4	32050	30750	30372	30523
3/4	STB	1	3/4	4	32170	32879		
	SD	1 1/2	3/4	4	32051	30751	30373	30524
	XL	1 1/2	3/4	6	30230	30101		

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BALL



4 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC



END MILLS

3200 4 Flute - Ball End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
3/4	XL	2 1/2	3/4	5	32284	30100		
	XL	3	3/4	6	32285	30102		
	XL	4	3/4	7	32286	30103		
7/8	SD	1 1/2	7/8	4	32052	30752	30374	30525
1	STB	1	1	4	32171	32880		
	SD	1 1/2	1	4	32053	30753	30375	30526
	XL	2	1	4 1/2	32287	30104		
	XL	2 1/2	1	5	32288	30105		
	XL	3	1	6	32289	30106		
1 1/8	XL	4	1	7	32290	30107		
	SD	2	1	4 1/2	32054			
1 1/4	SD	2	1 1/4	4 1/2	32055			
	XL	3	1 1/4	6	32291			
1 3/8	SD	2	1 1/4	4 1/2	32056			
1 1/2	SD	2	1 1/4	4 1/2	32057			
Metric								
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		
2.50	SD	8.00	3.00	38.00	92021	92267		
	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		



BALL



4 FLUTES



CENTER CUTTING



LENGTHS



COATING



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END MILLS

3200 4 Flute - Ball End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number			
					UC	TIALN	TICN	TIN
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		



BALL



4
FLUTES



CENTER CUTTING



STB SD
XL
LENGTHS



UNCOATED
TIN
TIALN
TICN
COATING



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IMPERIAL METRIC

FAST
QUOTES

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END MILLS

3200 4 Flute - Ball End Double End



4 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Weldon Flat	EDP Number	
						UC	TIALN
1/32	STB	3/32	1/8	1 1/2		32452	36041
3/64	STB	1/8	1/8	1 1/2		32453	36042
1/16	STB	1/8	1/8	1 1/2		32454	36043
5/64	SD	3/16	1/8	2		32400	12400
3/32	STB	1/8	1/8	1 1/2		32531	36044
7/64	SD	3/16	1/8	2		32455	36045
1/8	STB	3/8	1/8	2		32401	12401
9/64	STB	1/4	1/8	1 1/2		32532	36046
5/32	SD	3/8	1/8	2		32456	36047
11/64	SD	3/8	3/8	3 1/2	✓	32402	12402
3/16	STB	5/16	3/16	2		32498	37008
13/64	STB	5/16	3/16	2		32546	36048
7/32	SD	7/16	3/16	3		32457	36049
15/64	SD	7/16	3/8	3 1/2	✓	32403	12403
1/4	STB	5/16	3/16	2		32499	37009
9/32	STB	5/16	3/16	2		32547	36050
5/16	SD	3/8	3/16	2		32458	36051
	SD	1/2	3/16	3		32404	12404
	SD	1/2	3/8	3 1/2	✓	32500	37010
	STB	1/2	1/4	2 1/2		32459	36052
	STB	1/2	1/4	2 1/2		32458	36051
	SD	9/16	1/4	3		32405	12405
	SD	9/16	3/8	3 1/2	✓	32501	37011
	STB	1/2	1/4	2 1/2		32549	36054
	STB	1/2	1/4	2 1/2		32460	36055
	SD	5/8	1/4	3		32406	12406
	SD	5/8	3/8	3 1/2	✓	32502	37012
	STB	1/2	5/16	2 1/2		32596	36056
	SD	11/16	3/8	3 1/2	✓	32503	37013
	STB	1/2	5/16	2 1/2		32461	36057
	SD	3/4	3/8	3 1/2	✓	32504	37014



BALL



4 FLUTES



CENTER CUTTING



STB SD LENGTHS



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END MILLS

3200 4 Flute - Ball End Double End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Weldon Flat	EDP Number	
						UC	TIALN
5/16	SD	3/4	5/16	3		32408	12408
	STB	9/16	3/8	2 1/2		32462	36058
3/8	SD	3/4	3/8	3 1/2		32410	12410
	STB	5/8	7/16	2 3/4		32463	36059
7/16	SD	7/8	7/16	4		32411	12411
	STB	5/8	1/2	3		32464	36060
1/2	SD	1	1/2	4		32412	12412



BALL



4
FLUTES



CENTER CUTTING



STB
SD
LENGTHS



UNCOATED
TIALN
COATING



IMPERIAL

FAST
QUOTES

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END MILLS

3200 4 Flute - Radius End



4 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0000" -.002"
 +0.00mm -0.05mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Radius	EDP Number	
						UC	TIALN
3/32	SD	3/16	1/8	1 1/2	.0300		31509
	SD	3/8	1/8	1 1/2	.0300		31510
7/64	SD	1/2	1/8	1 1/2	.0300		31500
	STB	1/4	1/8	1 1/2	.0050	31907	31954
1/8	STB	1/4	1/8	1 1/2	.0100	31908	31955
	STB	1/4	1/8	1 1/2	.0150	31909	31956
	STB	1/4	1/8	1 1/2	.0200	31910	31957
	STB	1/4	1/8	1 1/2	.0300	31911	31511
	SD	1/2	1/8	1 1/2	.0050	31674	31710
	SD	1/2	1/8	1 1/2	.0100	31675	31711
	SD	1/2	1/8	1 1/2	.0150	33700	33804
	SD	1/2	1/8	1 1/2	.0200	33709	33813
	SD	1/2	1/8	1 1/2	.0300	31676	31712
	XL	3/4	1/8	3	.0050	31732	31856
	XL	3/4	1/8	3	.0100	31733	31857
	XL	3/4	1/8	3	.0150	31734	31858
	XL	3/4	1/8	3	.0200	31735	31859
	XL	3/4	1/8	3	.0300	31736	31513
	XL	1	1/8	3	.0050	31727	31852
	XL	1	1/8	3	.0100	31728	31853
XL	1	1/8	3	.0150	31729	31854	
XL	1	1/8	3	.0200	31730	31855	
XL	1	1/8	3	.0300	31731	31515	
5/32	SD	9/16	3/16	2	.0050	31677	31713
	SD	9/16	3/16	2	.0100	31678	31714
	SD	9/16	3/16	2	.0150	31679	31715
	SD	9/16	3/16	2	.0200	31680	31716
	SD	9/16	3/16	2	.0300	31681	31517
	SD	9/16	3/16	2	.0600	31682	31518
3/16	STB	3/8	3/16	2	.0050	31912	31958
	STB	3/8	3/16	2	.0100	31913	31959



RADIUS



4 FLUTES



CENTER CUTTING



LENGTHS



UNCOATED
TIALN COATING



IMPERIAL METRIC

FAST
QUOTES

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END MILLS

3200 4 Flute - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Radius	EDP Number	
						UC	TIALN
3/16	STB	3/8	3/16	2	.0150	31914	31960
	STB	3/8	3/16	2	.0200	31915	31961
	STB	3/8	3/16	2	.0300	31916	31519
	STB	3/8	3/16	2	.0600	31917	31520
	SD	5/8	3/16	2	.0050	31683	31717
	SD	5/8	3/16	2	.0100	31684	31718
	SD	5/8	3/16	2	.0150	33701	33805
	SD	5/8	3/16	2	.0200	33710	33814
	SD	5/8	3/16	2	.0300	33718	33822
	SD	5/8	3/16	2	.0600	31685	31719
	XL	1	3/16	4	.0050	31743	31866
	XL	1	3/16	4	.0100	31744	31867
	XL	1	3/16	4	.0150	31745	31868
	XL	1	3/16	4	.0200	31746	31869
	XL	1	3/16	4	.0300	31747	31522
	XL	1	3/16	4	.0600	31748	31523
	XL	1 1/4	3/16	3	.0050	31737	31860
	XL	1 1/4	3/16	3	.0100	31738	31861
	XL	1 1/4	3/16	3	.0150	31739	31862
	XL	1 1/4	3/16	3	.0200	31740	31863
XL	1 1/4	3/16	3	.0300	31741	31864	
XL	1 1/4	3/16	3	.0600	31742	31865	
7/32	SD	5/8	1/4	2 1/2	.0150	31686	31720
	SD	5/8	1/4	2 1/2	.0200	31687	31721
	SD	5/8	1/4	2 1/2	.0300	31688	31525
	SD	5/8	1/4	2 1/2	.0600	31689	31526
	SD	5/8	1/4	2 1/2	.0900	31690	31527
1/4	STB	1/2	1/4	2	.0150	31918	31962
	STB	1/2	1/4	2	.0200	31919	31963
	STB	1/2	1/4	2	.0300	31920	31528
	STB	1/2	1/4	2	.0600	31921	31529
	STB	1/2	1/4	2	.0900	31922	31530
	SD	3/4	1/4	2 1/2	.0150	33702	33806
	SD	3/4	1/4	2 1/2	.0200	33711	33815
	SD	3/4	1/4	2 1/2	.0300	33719	33790
	SD	3/4	1/4	2 1/2	.0450	33726	33827
	SD	3/4	1/4	2 1/2	.0600	31691	30970
	SD	3/4	1/4	2 1/2	.0900	31692	30976
	XL	1 1/8	1/4	3	.0150	31754	31872
	XL	1 1/8	1/4	3	.0200	31755	31873
	XL	1 1/8	1/4	3	.0300	31756	31532
	XL	1 1/8	1/4	3	.0600	31757	31533
	XL	1 1/8	1/4	3	.0900	31758	31534
	XL	1 1/2	1/4	4	.0150	31749	31870
XL	1 1/2	1/4	4	.0200	31750	31871	
XL	1 1/2	1/4	4	.0300	31751	31540	
XL	1 1/2	1/4	4	.0600	31752	31541	
XL	1 1/2	1/4	4	.0900	31753	31542	
5/16	STB	1/2	5/16	2 1/2	.0150	31923	31964
	STB	1/2	5/16	2 1/2	.0200	31924	31965
	STB	1/2	5/16	2 1/2	.0300	31925	31544
	STB	1/2	5/16	2 1/2	.0600	31926	31545
	STB	1/2	5/16	2 1/2	.0900	31927	31546



RADIUS



4 FLUTES



CENTER CUTTING



LENGTHS



COATING



IMPERIAL METRIC



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END MILLS

3200 4 Flute - Radius End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Radius	EDP Number	
						UC	TIALN
5/16	STB	1/2	5/16	2 1/2	.1200	31928	31547
	SD	7/8	5/16	2 1/2	.0150	33703	33807
	SD	7/8	5/16	2 1/2	.0200	33712	33816
	SD	7/8	5/16	2 1/2	.0300	33720	33823
	SD	7/8	5/16	2 1/2	.0450	33727	33828
	SD	7/8	5/16	2 1/2	.0600	31693	30977
	SD	7/8	5/16	2 1/2	.0900	31694	30978
	SD	7/8	5/16	2 1/2	.1200	31695	31633
	XL	1 1/8	5/16	3	.0150	31759	31874
	XL	1 1/8	5/16	3	.0200	31760	31875
	XL	1 1/8	5/16	3	.0300	31761	31548
	XL	1 1/8	5/16	3	.0600	31762	31549
	XL	1 1/8	5/16	3	.0900	31763	31550
	XL	1 1/8	5/16	3	.1200	31764	31551
	XL	1 5/8	5/16	4	.0150	31765	31876
	XL	1 5/8	5/16	4	.0200	31766	31877
	XL	1 5/8	5/16	4	.0300	31767	31552
	XL	1 5/8	5/16	4	.0600	31768	31553
	XL	1 5/8	5/16	4	.0900	31769	31554
	XL	1 5/8	5/16	4	.1200	31770	31555
3/8	STB	5/8	3/8	2 1/2	.0150	31929	31966
	STB	5/8	3/8	2 1/2	.0200	31930	31967
	STB	5/8	3/8	2 1/2	.0300	31931	31556
	STB	5/8	3/8	2 1/2	.0600	31932	31557
	STB	5/8	3/8	2 1/2	.0900	31933	31558
	STB	5/8	3/8	2 1/2	.1200	31934	31559
	SD	1	3/8	2 1/2	.0150	33704	33808
	SD	1	3/8	2 1/2	.0200	33713	33817
	SD	1	3/8	2 1/2	.0300	33721	33791
	SD	1	3/8	2 1/2	.0450	33728	33829
	SD	1	3/8	2 1/2	.0600	33733	33792
	SD	1	3/8	2 1/2	.0900	31696	30971
	SD	1	3/8	2 1/2	.1200	31697	30972
	XL	1 1/8	3/8	3	.0150	31777	31880
	XL	1 1/8	3/8	3	.0200	31778	31881
	XL	1 1/8	3/8	3	.0300	31779	31560
	XL	1 1/8	3/8	3	.0600	31780	31561
	XL	1 1/8	3/8	3	.0900	31781	31562
	XL	1 1/8	3/8	3	.1200	31782	31563
	XL	1 1/2	3/8	4	.0150	31771	31878
	XL	1 1/2	3/8	4	.0200	31772	31879
	XL	1 1/2	3/8	4	.0300	31773	31564
	XL	1 1/2	3/8	4	.0600	31774	31565
	XL	1 1/2	3/8	4	.0900	31775	31566
XL	1 1/2	3/8	4	.1200	31776	31567	
XL	2	3/8	4	.0150	31783	31882	



RADIUS



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



UNCOATED TIALN COATING



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END MILLS

3200 4 Flute - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Radius	EDP Number		
						UC	TIALN	
3/8	XL	2	3/8	4	.0200	31784	31883	
	XL	2	3/8	4	.0300	31785	31568	
	XL	2	3/8	4	.0600	31786	31569	
	XL	2	3/8	4	.0900	31787	31570	
	XL	2	3/8	4	.1200	31788	31571	
7/16	SD	1	7/16	2 3/4	.0150	31698	31722	
	SD	1	7/16	2 3/4	.0200	31699	31723	
	SD	1	7/16	2 3/4	.0300	31700	31572	
	SD	1	7/16	2 3/4	.0600	31701	31573	
	SD	1	7/16	2 3/4	.0900	31702	31574	
	SD	1	7/16	2 3/4	.1200	31703	31575	
	XL	2	7/16	4	.0150	31789	31884	
	XL	2	7/16	4	.0200	31790	31885	
	XL	2	7/16	4	.0300	31791	31576	
	XL	2	7/16	4	.0600	31792	31577	
	XL	2	7/16	4	.0900	31793	31578	
	XL	2	7/16	4	.1200	31794	31579	
	XL	3	7/16	6	.0150	31795	31886	
	XL	3	7/16	6	.0200	31796	31887	
	XL	3	7/16	6	.0300	31797	31580	
	XL	3	7/16	6	.0600	31798	31581	
	XL	3	7/16	6	.0900	31799	31582	
	XL	3	7/16	6	.1200	31800	31583	
	1/2	STB	3/4	1/2	3	.0150	31935	31968
		STB	3/4	1/2	3	.0200	31936	31969
STB		3/4	1/2	3	.0300	31937	31584	
STB		3/4	1/2	3	.0600	31938	31585	
STB		3/4	1/2	3	.0900	31939	31586	
STB		3/4	1/2	3	.1200	31940	31587	
SD		1	1/2	3	.0150	33705	33809	
SD		1	1/2	3	.0200	33714	33818	
SD		1	1/2	3	.0300	33722	33793	
SD		1	1/2	3	.0450	33729	33830	
SD		1	1/2	3	.0600	33734	33794	
SD		1	1/2	3	.0900	33738	33837	
SD		1	1/2	3	.1200	31704	30973	
SD		1	1/2	3	.1250	33742	33841	
XL		1 1/2	1/2	4	.0150	31801	31888	
XL		1 1/2	1/2	4	.0200	31802	31889	
XL		1 1/2	1/2	4	.0300	31803	31588	
XL		1 1/2	1/2	4	.0600	31804	31589	
XL		1 1/2	1/2	4	.0900	31805	31590	
XL		1 1/2	1/2	4	.1200	31806	31591	
XL		2	1/2	4	.0150	31807	31890	
XL		2	1/2	4	.0200	31808	31891	
XL		2	1/2	4	.0300	31809	31592	
XL		2	1/2	4	.0600	31810	31593	
XL		2	1/2	4	.0900	31811	31594	
XL		2	1/2	4	.1200	31812	31595	
XL		3	1/2	6	.0150	31813	31892	
XL		3	1/2	6	.0200	31814	31893	
XL		3	1/2	6	.0300	31815	31596	
XL		3	1/2	6	.0600	31816	31597	



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 ■ General Purpose

END MILLS

3200 4 Flute - Radius End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Radius	EDP Number	
						UC	TIALN
1/2	XL	3	1/2	6	.0900	31817	31598
	XL	3	1/2	6	.1200	31818	31599
5/8	STB	1	5/8	3 1/2	.0150	31941	31970
	STB	1	5/8	3 1/2	.0200	31942	31971
	STB	1	5/8	3 1/2	.0300	31943	31600
	STB	1	5/8	3 1/2	.0600	31944	31601
	STB	1	5/8	3 1/2	.0900	31945	31602
	STB	1	5/8	3 1/2	.1200	31946	31603
	SD	1 1/2	5/8	3 1/2	.0150	33706	33810
	SD	1 1/2	5/8	3 1/2	.0200	33715	33819
	SD	1 1/2	5/8	3 1/2	.0300	33723	33824
	SD	1 1/2	5/8	3 1/2	.0450	33730	33831
	SD	1 1/2	5/8	3 1/2	.0600	33735	33834
	SD	1 1/2	5/8	3 1/2	.0900	33739	33838
	SD	1 1/2	5/8	3 1/2	.1200	31705	30974
	SD	1 1/2	5/8	3 1/2	.1250	33802	33842
	XL	2 1/2	5/8	5	.0150	31819	31894
	XL	2 1/2	5/8	5	.0200	31820	31895
	XL	2 1/2	5/8	5	.0300	31821	31604
	XL	2 1/2	5/8	5	.0600	31822	31605
	XL	2 1/2	5/8	5	.0900	31823	31606
	XL	2 1/2	5/8	5	.1200	31824	31607
XL	3	5/8	6	.0150	31825	31896	
XL	3	5/8	6	.0200	31826	31897	
XL	3	5/8	6	.0300	31827	31608	
XL	3	5/8	6	.0600	31828	31609	
XL	3	5/8	6	.0900	31829	31610	
XL	3	5/8	6	.1200	31830	31611	
3/4	STB	1	3/4	4	.0150	31947	31972
	STB	1	3/4	4	.0200	31948	31973
	STB	1	3/4	4	.0300	31949	31612
	STB	1	3/4	4	.0600	31950	31613
	STB	1	3/4	4	.0900	31951	31614
	STB	1	3/4	4	.1200	31952	31615
	STB	1	3/4	4	.2500	31953	31974
	SD	1 1/2	3/4	4	.0150	33707	33811
	SD	1 1/2	3/4	4	.0200	33716	33820
	SD	1 1/2	3/4	4	.0300	33724	33825
	SD	1 1/2	3/4	4	.0450	33731	33832
	SD	1 1/2	3/4	4	.0600	33736	33835
	SD	1 1/2	3/4	4	.0900	33740	33839
	SD	1 1/2	3/4	4	.1200	31706	30975
	SD	1 1/2	3/4	4	.1250	33743	33843
	SD	1 1/2	3/4	4	.2500	31707	31724
	XL	2 1/2	3/4	5	.0150	31831	31898
	XL	2 1/2	3/4	5	.0200	31832	31899



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4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



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END MILLS

3200 4 Flute - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Radius	EDP Number	
						UC	TIALN
3/4	XL	2 1/2	3/4	5	.0300	31833	31616
	XL	2 1/2	3/4	5	.0600	31834	31617
	XL	2 1/2	3/4	5	.0900	31835	31618
	XL	2 1/2	3/4	5	.1200	31836	31619
	XL	2 1/2	3/4	5	.2500	31837	31900
	XL	3	3/4	6	.0150	31838	31901
	XL	3	3/4	6	.0200	31839	31902
	XL	3	3/4	6	.0300	31840	31620
	XL	3	3/4	6	.0600	31841	31621
	XL	3	3/4	6	.0900	31842	31622
	XL	3	3/4	6	.1200	31843	31623
	XL	3	3/4	6	.2500	31844	31903
1	SD	1 1/2	1	4	.0150	33708	33812
	SD	1 1/2	1	4	.0200	33717	33821
	SD	1 1/2	1	4	.0300	33725	33826
	SD	1 1/2	1	4	.0450	33732	33833
	SD	1 1/2	1	4	.0600	33737	33836
	SD	1 1/2	1	4	.0900	33741	33840
	SD	1 1/2	1	4	.1200	31708	31725
	SD	1 1/2	1	4	.1250	33744	33844
	SD	1 1/2	1	4	.2500	31709	31726
	XL	2	1	4 1/2	.0600		31647
	XL	2	1	4 1/2	.0900		31648
	XL	2	1	4 1/2	.1200		31649
	XL	2 1/2	1	5	.0600		31643
	XL	2 1/2	1	5	.1200		31645
	XL	3	1	6	.0150	31845	31904
	XL	3	1	6	.0200	31846	31905
	XL	3	1	6	.0300	31847	31501
	XL	3	1	6	.0600	31848	31502
	XL	3	1	6	.0900	31849	31503
	XL	3	1	6	.1200	31850	31504
XL	3	1	6	.2500	31851	31906	
Metric							
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
4.00	XL	25.00	3.00	76.00	1.00	91255	91287
	SD	14.00	4.00	50.00	0.20	91937	91956
	SD	14.00	4.00	50.00	0.50	91938	91957
4.50	SD	14.00	4.00	50.00	1.00	91939	91958
	SD	14.00	5.00	51.00	0.20	91940	91959
	SD	14.00	5.00	51.00	0.50	91941	91960
5.00	SD	14.00	5.00	51.00	1.00	91942	91961
	SD	16.00	5.00	64.00	0.20	91943	91962
	SD	16.00	5.00	64.00	0.50	91944	91963
6.00	SD	16.00	5.00	64.00	1.00	91945	91964
	SD	12.00	6.00	50.00	0.20	91327	91359

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4 FLUTES



CENTER CUTTING



LENGTHS



UNCOATED



TIALN COATING



IMPERIAL METRIC



END MILLS

3200 4 Flute - Radius End



Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Radius	EDP Number	
						UC	TIALN
6.00	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
	8.00	SD	12.00	8.00	50.00	0.50	91331
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



RADIUS



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



UNCOATED TIALN COATING



I M IMPERIAL METRIC



■ Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Brass & Copper ■ Low Si Al ■ General Purpose



END MILLS

3200 4 Flute - Radius End

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Radius	EDP Number		
						UC	TIALN	
12.00	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	
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	
16.00	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		



RADIUS



4 FLUTES



CENTER CUTTING



STB SD XL LENGTHS



UNCOATED TIALN COATING



I M IMPERIAL METRIC



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END MILLS

2004 JIT 4 Flute - Square/Ball/Radius End

Size Range	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number		
					Square	Ball	Radius
.4689 - .4844	SD	1	1/2	3	20470S	20470B	20470R
.4845 - .5000	SD	1	1/2	3	20472S	20472B	20472R
.5001 - .5625	SD	1 1/4	9/16	3 1/2	20474S	20474B	20474R
.5626 - .6250	SD	1 1/2	5/8	3 1/2	20476S	20476B	20476R
.6251 - .6875	SD	1 1/2	3/4	4	20478S	20478B	20478R
.6876 - .7500	SD	1 1/2	3/4	4	20480S	20480B	20480R
.7501 - .8125	SD	1 1/2	7/8	4	20482S	20482B	20482R
.8126 - .8750	SD	1 1/2	7/8	4	20484S	20484B	20484R
.8751 - .9375	SD	1 1/2	1	4	20486S	20486B	20486R
.9376 - 1.0000	SD	1 1/2	1	4	20488S	20488B	20488R
Metric							
3.00 - 3.50	SD	14.00	5.00	51.00	90413S	90413B	90413R
3.51 - 4.00	SD	14.00	5.00	51.00	90414S	90414B	90414R
4.01 - 4.50	SD	14.00	5.00	51.00	90415S	90415B	90415R
4.51 - 5.00	SD	16.00	5.00	51.00	90416S	90416B	90416R
5.01 - 5.50	SD	16.00	6.00	64.00	90417S	90417B	90417R
5.51 - 6.00	SD	20.00	6.00	64.00	90418S	90418B	90418R
6.01 - 6.50	SD	22.00	8.00	64.00	90419S	90419B	90419R
6.51 - 7.00	SD	22.00	8.00	64.00	90420S	90420B	90420R
7.01 - 7.50	SD	22.00	8.00	64.00	90421S	90421B	90421R
7.51 - 8.00	SD	22.00	8.00	64.00	90422S	90422B	90422R
8.01 - 8.50	SD	22.00	10.00	64.00	90423S	90423B	90423R
8.51 - 9.00	SD	22.00	10.00	64.00	90424S	90424B	90424R
9.01 - 9.50	SD	25.00	10.00	64.00	90425S	90425B	90425R
9.51 - 10.00	SD	25.00	10.00	64.00	90426S	90426B	90426R
10.01 - 10.50	SD	25.00	11.00	71.00	90427S	90427B	90427R
10.51 - 11.00	SD	25.00	11.00	71.00	90428S	90428B	90428R
11.01 - 11.50	SD	25.00	12.00	76.00	90429S	90429B	90429R
11.51 - 12.00	SD	25.00	12.00	76.00	90430S	90430B	90430R
12.01 - 13.00	SD	32.00	14.00	84.00	90431S	90431B	90431R
13.01 - 14.00	SD	32.00	14.00	84.00	90432S	90432B	90432R
14.01 - 15.00	SD	38.00	16.00	89.00	90433S	90433B	90433R
15.01 - 16.00	SD	38.00	16.00	89.00	90434S	90434B	90434R
16.01 - 17.00	SD	38.00	20.00	100.00	90435S	90435B	90435R
17.01 - 18.00	SD	38.00	20.00	100.00	90436S	90436B	90436R
18.01 - 19.00	SD	38.00	20.00	100.00	90437S	90437B	90437R
19.01 - 20.00	SD	38.00	20.00	100.00	90438S	90438B	90438R
20.01 - 21.00	SD	38.00	22.00	100.00	90439S	90439B	90439R
21.01 - 22.00	SD	38.00	22.00	100.00	90440S	90440B	90440R
22.01 - 23.00	SD	38.00	25.00	100.00	90441S	90441B	90441R
23.01 - 24.00	SD	38.00	25.00	100.00	90442S	90442B	90442R
24.01 - 25.00	SD	38.00	25.00	100.00	90443S	90443B	90443R



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END MILLS

3200SM Sub-Miniature - Square



4 Flutes
 30° Helix
 3x (SM) Diameter Flute Length
 Right Hand Spiral
 Right Hand Cut
 Dura Carb II for Enhanced Shock Resistance
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0005" -.0005"
 +0.02mm -0.02mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					UC
.0310	SM	.0930	1/8	1 1/2	30928
.0350	SM	.1050	1/8	1 1/2	30929
.0400	SM	.1200	1/8	1 1/2	30930
.0470	SM	.1410	1/8	1 1/2	30931
.0500	SM	.1500	1/8	1 1/2	30932
.0550	SM	.1650	1/8	1 1/2	30933
.0600	SM	.1800	1/8	1 1/2	30934



SQUARE

4

FLUTES



CENTER CUTTING

SM

3.0x

FLUTE LENGTH

UC

UNCOATED

I

IMPERIAL

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END MILLS

3200SM Sub-Miniature - Ball End



4 Flutes
 30° Helix
 3x (SM) Diameter Flute Length
 Right Hand Spiral
 Right Hand Cut
 Dura Carb II for Enhanced Shock Resistance
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: +.0005" -.0005"
 +0.02mm -0.02mm

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number
					UC
.0310	SM	.0930	1/8	1 1/2	30963
.0350	SM	.1050	1/8	1 1/2	30964
.0400	SM	.1200	1/8	1 1/2	30965
.0470	SM	.1410	1/8	1 1/2	30966
.0500	SM	.1500	1/8	1 1/2	30967
.0550	SM	.1650	1/8	1 1/2	30968
.0600	SM	.1800	1/8	1 1/2	30969



BALL



4 FLUTES



CENTER CUTTING



SM 3.0x FLUTE LENGTH



UC UNCOATED



I IMPERIAL

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END MILLS

3730 Chamfer Mills



2 and 4 Flutes
 Straight Flutes
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Non-Cutting Tip	Number of Flutes	Chamfer Angle	EDP Number	
								UC	TIALN
1/8	SD	.0625	1/8	1 1/2	.0200	2	90°	36160	36161
	SD	.0625	1/8	1 1/2	.0200	4	90°	36158	36159
	SD	.1080	1/8	1 1/2	.0200	2	60°	36156	36157
	SD	.1080	1/8	1 1/2	.0200	4	60°	36154	36155
3/16	SD	.0938	3/16	2	.0200	2	90°	36173	36174
	SD	.0938	3/16	2	.0200	4	90°	36171	36172
	SD	.1620	3/16	2	.0200	2	60°	36165	36166
	SD	.1620	3/16	2	.0200	4	60°	36163	36164
1/4	SD	.1250	1/4	2 1/2	.0250	2	90°	36147	36089
	SD	.1250	1/4	2 1/2	.0250	4	90°	36146	36088
	SD	.2160	1/4	2 1/2	.0250	2	60°	36141	36083
	SD	.2160	1/4	2 1/2	.0250	4	60°	36140	36082
3/8	SD	.1870	3/8	2 1/2	.0300	2	90°	36149	36091
	SD	.1870	3/8	2 1/2	.0300	4	90°	36148	36090
	SD	.3240	3/8	2 1/2	.0300	2	60°	36143	36085
	SD	.3240	3/8	2 1/2	.0300	4	60°	36142	36084
1/2	SD	.2500	1/2	3	.0350	2	90°	36151	36093
	SD	.2500	1/2	3	.0350	4	90°	36150	36092
	SD	.2500	1/2	3	.0350	4	120°	36152	
	SD	.4330	1/2	3	.0350	2	60°	36145	36087
	SD	.4330	1/2	3	.0350	4	60°	36144	36086
3/4	SD	.3750	3/4	4	.0450	2	90°	36177	36178
	SD	.3750	3/4	4	.0450	4	90°	36175	36176
	SD	.6490	3/4	4	.0450	2	60°	36169	36170
	SD	.6490	3/4	4	.0450	4	60°	36167	36168
Metric									
3.00	SD	1.50	3.00	38.00	0.40	4	90°	92522	92850
4.00	SD	2.00	4.00	50.00	0.50	4	90°	92523	92851
6.00	SD	3.00	6.00	64.00	0.50	4	90°	92524	92852
8.00	SD	4.00	8.00	64.00	0.65	4	90°	92525	92853
10.00	SD	5.00	10.00	64.00	0.75	4	90°	92526	92854
12.00	SD	6.00	12.00	76.00	0.90	4	90°	92527	92855

■ Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Graphite ■ Brass & Copper ■ High Si Al
 ■ Low Si Al ■ Composites ■ Plastics ■ Wood ■ General Purpose



END MILLS

3730 Chamfer Mills Double End



2 and 4 Flutes
 Straight Flutes
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	Non-Cutting Tip	Number of Flutes	Chamfer Angle	EDP Number
								TIALN
1/4	SD	0.0781	1/4	2 1/2	0.0250	2	120°	36101
	SD	0.1250	1/4	2 1/2	0.0250	2	90°	36094
	SD	0.2188	1/4	2 1/2	0.0250	2	60°	36097
3/8	SD	0.1094	3/8	2 1/2	0.0300	2	120°	36102
	SD	0.1875	3/8	2 1/2	0.0300	2	90°	36095
	SD	0.3280	3/8	2 1/2	0.0300	2	60°	36098
1/2	SD	0.1406	1/2	3	0.0350	2	120°	36103
	SD	0.2500	1/2	3	0.0350	2	90°	36096
	SD	0.4375	1/2	3	0.0350	2	60°	36099



■ Titanium
 ■ Super Alloys
 ■ Hardened Steels
 ■ Stainless Steels
 ■ Steels
 ■ Cast Iron
 ■ Graphite
 ■ Brass & Copper
 ■ High Si Al
■ Low Si Al
 ■ Composites
 ■ Plastics
 ■ Wood
 ■ General Purpose

END MILLS

Jo-Engraver Double End



All-in-One Engraving Tool

1 Flute

60° Included Angle

.021 Radius

Right Hand Cut

Dura Carb (Micrograin)

Tolerance:

Shank Diameter: h6

Cutting Diameter	Tool Length Style	Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	TIALN
1/8	SD	1/8	1/8	2	12113	12109





M.A.T.R.X.

M.A.T.R.X.

⚡ S-DRILL

➤ AlumaDrill

DOMINATOR



DRILLS

1500 Drill

1505 Dominator

1510 Drill

1535 NC Spotting Drill

1540 Thinned Point Drill

1565 AlumaDrill

1566/5566 Poly Drill

1570 Micro-Drill

1595 S-Drill

2305 Center Drill

DRILLS

1595S-5 S Drill



- 2 Flutes
- Right Hand Spiral
- Right Hand Cut
- Double Angle Point
- Self-Centering
- Polished Special Chip Flute for Better Chip Flow
- Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Cutter Diameter: m7

Advanced
Performance



Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					FC 7
.1250	1/8	1.102	.2362	2.598	17002
.1360	29	1.102	.2362	2.598	17006
.1406	9/64	1.102	.2362	2.598	17008
.1495	25	1.417	.2362	2.913	17011
.1540	23	1.417	.2362	2.913	17012
.1590	21	1.417	.2362	2.913	17015
.1695	18	1.417	.2362	2.913	17018
.1770	16	1.417	.2362	2.913	17021
.1850	13	1.417	.2362	2.913	17024
.1875	3/16	1.417	.2362	2.913	17025
.1890	12	1.732	.2362	3.228	17026
.2010	7	1.732	.2362	3.228	17030
.2130	3	1.732	.2362	3.228	17035
.2344	15/64	1.732	.2362	3.228	17043
.2500	1/4	2.087	.3150	3.583	17048
.2570	F	2.087	.3150	3.583	17051
.2656	17/64	2.087	.3150	3.583	17054
.2720	I	2.087	.3150	3.583	17056
.2812	9/32	2.087	.3150	3.583	17059
.2969	19/64	2.087	.3150	3.583	17064
.3125	5/16	2.087	.3150	3.583	17069
.3230	P	2.402	.3937	4.055	17072
.3281	21/64	2.402	.3937	4.055	17074
.3438	11/32	2.402	.3937	4.055	17079
.3594	23/64	2.402	.3937	4.055	17084
.3680	U	2.402	.3937	4.055	17087
.3750	3/8	2.402	.3937	4.055	17090
.3860	W	2.402	.3937	4.055	17093
.3906	25/64	2.402	.3937	4.055	17095
.4062	13/32	2.795	.4724	4.646	17100
.4219	27/64	2.795	.4724	4.646	17105

■ Steels ■ Cast Iron ■ General Purpose

DRILLS



1595S-5 S Drill

Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
.4375	7/16	2.795	.4724	4.646	17110
.4531	29/64	2.795	.4724	4.646	17115
.4688	15/32	2.795	.4724	4.646	17120
.4844	31/64	3.032	.5512	4.882	17124
.5000	1/2	3.032	.5512	4.882	17126
Metric					
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
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

Advanced Performance



2
FLUTES

FC-7
COATING



I M
IMPERIAL METRIC

■ Steels ■ Cast Iron ■ General Purpose

DRILLS

1595S-5 S Drill



Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number
				FC 7
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



■ Steels ■ Cast Iron ■ General Purpose



1505 Dominator



144° Dominator Point
 2 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Double Margin
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: +.0000" -0.0005"
 +0.000mm -0.013mm
 Cutter Diameter: +.0000" -0.0005"
 +0.00mm -0.013mm

Cutting Diameter		Flute Length	Cleared Length	Shank Diameter	Overall Length	Coolant Through	EDP Number
							FC 7
.1065	36	9/16	15/32	.1250	2		15003
.1250	1/8	5/8	1/2	.1250	2		15006
.1590	21	13/16	21/32	.1875	3		15251
.1770	16	7/8	23/32	.1875	3		15252
.1875	3/16	15/16	3/4	.1875	3		15257
		1 5/16	1 41/64	.1875	3 1/4	✓	15329
.2010	7	1 1/2	1 1/8	.2500	3		15615
.2031	13/64	1 1/2	1 1/8	.2500	3		15653
.2055	5	1	13/16	.2500	3		15259
.2130	3	1 3/32	29/32	.2500	3		15260
.2188	7/32	1 3/32	7/8	.2500	3		15263
.2210	2	1 3/32	7/8	.2500	3		15330
.2500	1/4	1 1/2	1 1/8	.2500	3		15614
		2 3/8	2	.2500	4	✓	15636
.2570	F	1 1/2	1 1/8	.2500	3		15616
		1 1/2	1 1/8	.3125	3		15529
		2 3/8	2	.2500	4	✓	15638
.2656	17/64	1 1/2	1 1/8	.2500	3		15617
.2720	I	1 1/2	1 1/8	.3125	3		15618
		2 3/8	2	.2500	4	✓	15640
.2812	9/32	1 1/2	1 1/8	.3125	3		15621
.2969	19/64	1 1/2	1 1/8	.3125	3		15623
.3125	5/16	1 1/2	1 1/8	.3125	3		15620
		2 3/8	2	.3125	4	✓	15642
.3230	P	2	1 1/2	.3750	4		15651
.3281	21/64	2	1 1/2	.3750	4		15625
.3438	11/32	2	1 1/2	.3750	4		15629
.3594	23/64	2	1 1/2	.3750	4		15630
		2 1/2	2	.3750	4	✓	15349
.3680	U	2	1 1/2	.3750	4		15175
		2 1/2	2	.3750	4	✓	15378

■ Titanium ■ Super Alloys ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Graphite ■ Brass & Copper ■ High Si Al
 ■ Low Si Al ■ Wood ■ General Purpose

Advanced Performance



DRILLS

1505 Dominator



Cutting Diameter		Flute Length	Cleared Length	Shank Diameter	Overall Length	Coolant Through	EDP Number
							FC 7
.3750	3/8	2	1 1/2	.3750	4		15622
		2 1/2	2	.3750	4	✓	15644
.3906	25/64	2 1/4	1 3/4	.4375	4		15631
		2 3/4	2 3/8	.4375	4 1/2	✓	15380
.4062	13/32	2 1/4	1 3/4	.4375	4		15633
		2 3/4	2 3/8	.4375	4 1/2	✓	15382
.4219	27/64	2 1/4	1 3/4	.4375	4		15624
		2 1/2	2	.4375	4	✓	15646
.4375	7/16	2 1/4	1 3/4	.4375	4		15626
		2 1/2	2	.4375	4	✓	15648
.4531	29/64	2 1/2	2	.5000	4 1/2		15635
		2 1/2	2	.5000	4 1/2		15679
.4688	15/32	3 1/4	2 25/32	.5000	5	✓	15388
		2 1/2	2	.5000	4 1/2		15681
.4844	31/64	3 3/8	2 7/8	.5000	5	✓	15389
		2 1/2	2	.5000	4 1/2		15628
.5000	1/2	3 1/2	3	.5000	6	✓	15650
		4	3 1/2	.6250	6		15176
.5312	17/32	4	3 1/2	.6250	6	✓	15393
		4	3 1/2	.5625	6		15693
.5625	9/16	4	3 1/2	.5625	6	✓	15652
		4	3 1/2	.6250	6	✓	15398
.5781	37/64	4	3 1/2	.6250	6	✓	15685
		4	3 1/2	.6250	6	✓	15654
.6250	5/8	4	3 1/2	.7500	6		15177
		4	3 1/2	.7500	6	✓	15686
.6562	21/32	4	3 1/2	.7500	6		15649
		4	3 1/2	.7500	6	✓	15687
.6875	11/16	4	3 1/2	.7500	6		15656
		4	3 1/2	.8750	6		15178
.7500	3/4	4	3 1/2	.8750	6		15179
		4	3 1/2	.8750	6		
.7656	49/64	4	3 1/2	.8750	6		
.8750	7/8	4	3 1/2	.8750	6		
Metric							
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

■ Titanium
 ■ Super Alloys
 ■ Hardened Steels
 ■ Stainless Steels
 ■ Steels
 ■ Cast Iron
 ■ Graphite
 ■ Brass & Copper
 ■ High Si Al
■ Low Si Al
 ■ Wood
 ■ General Purpose

Advanced Performance





- 130° High Performance Point
- 3 Parabolic Style Flutes
- 30° Helix
- Right Hand Spiral
- Right Hand Cut
- Dura Carb (Micrograin)
- Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter:	+0.000"	-0.005"
	+0.000mm	-0.013mm
Cutter Diameter:	+0.000"	-0.005"
	+0.00mm	-0.013mm

Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.0625	1/16	3/4	.0625	1 1/2	15424
.0670	51	3/4	.0670	1 1/2	19000
.0730	49	7/8	.0730	1 3/4	19001
.0781	5/64	7/8	.0781	1 3/4	15425
.0820	45	7/8	.0820	1 3/4	19003
.0890	43	1	.0890	2	15445
.0938	3/32	1	.0938	2	15426
.0980	40	1 1/4	.0980	2 1/4	15600
.1065	36	1 1/4	.1065	2 1/4	15601
.1094	7/64	1 1/4	.1094	2 1/4	15427
.1130	33	1 1/4	.1130	2 1/4	15602
.1250	1/8	7/8	.1250	1 1/2	19008
		1 1/4	.1250	2 1/4	15428
.1285	30	1 3/8	.1285	2 1/2	15603
.1360	29	1 3/8	.1360	2 1/2	15604
.1406	9/64	1 3/8	.1406	2 1/2	15429
.1495	25	1 3/8	.1495	2 1/2	15605
.1520	24	1 3/8	.1520	2 1/2	19010
.1562	5/32	1 3/8	.1562	2 1/2	15430
.1570	22	1 3/8	.1570	2 1/2	15606
.1590	21	1 3/8	.1590	2 1/2	19012
.1719	11/64	1 5/8	.1719	2 3/4	15431
.1730	17	1 5/8	.1730	2 3/4	19014
.1770	16	1 5/8	.1770	2 3/4	19015
.1800	15	1 5/8	.1800	2 3/4	19016
.1875	3/16	1	.1875	2	19018
		1 5/8	.1875	2 3/4	15432
.1960	9	1 3/4	.1960	3	19019
.1990	8	1 3/4	.1990	3	19020
.2010	7	1 3/4	.2010	3	15226
.2031	13/64	1 3/4	.2031	3	15433

Advanced Performance



DRILLS

1565 AlumaDrill



Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.2130	3	1 3/4	.2130	3	15607
.2188	7/32	1 3/4	.2188	3	15434
.2280	1	1 3/4	.2280	3	19022
.2344	15/64	2	.2344	3 1/4	15435
.2500	1/4	1 1/4	.2500	2 1/2	19024
		2	.2500	3 1/4	15436
.2570	F	2 1/8	.2570	3 1/2	15608
.2720	I	2 1/8	.2720	3 1/2	15609
.2812	9/32	2 1/8	.2812	3 1/2	15437
.3125	5/16	1 5/8	.3125	3	19029
		2 3/8	.3125	4	15438
.3320	Q	2 1/2	.3320	4	19031
.3438	11/32	2 1/2	.3438	4	15439
.3680	U	2 1/2	.3680	4	15227
.3750	3/8	1 3/4	.3750	3	19033
		2 1/2	.3750	4	15440
.3906	25/64	2 7/8	.3906	4 1/2	19034
.4062	13/32	2 7/8	.4062	4 1/2	15441
.4219	27/64	2 7/8	.4219	4 1/2	15228
.4375	7/16	2 7/8	.4375	4 1/2	15442
.4531	29/64	3	.4531	4 3/4	15446
.4688	15/32	3	.4688	4 3/4	15443
.4844	31/64	3	.4844	4 3/4	15229
		2	.5000	3 1/2	19041
		2	.5000	4	19058
		3	.5000	4 3/4	15444
.5000	1/2	4	.5000	6	15489
		3 1/4	.5156	5	19043
		4	.5312	6	15490
.5625	9/16	4	.5625	6	15491
.5781	37/64	4	.5781	6	19047
.5938	19/32	4	.5938	6	15492
		2 5/8	.6250	4 1/2	19050
.6250	5/8	4	.6250	6	15493
		4	.6562	6	15494
.6875	11/16	4	.6875	6	15495
.7188	23/32	4	.7188	6	15496
.7500	3/4	2 5/8	.7500	4 1/2	19055
		4	.7500	6	15497
.7656	49/64	4	.7656	6	15230
.8750	7/8	4	.8750	6	15498
1.0000	1	4	1.0000	6	15499
Metric					
2.00		25.00	3.00	50.00	19002

Advanced Performance



3

FLUTES

UC

UNCOATED

I M

IMPERIAL METRIC

■ Titanium ■ Graphite ■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics ■ Wood ■ General Purpose

DRILLS



1565 AlumaDrill

Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number
				UC
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
	32.00	3.00	57.00	15675
3.30	35.00	6.00	64.00	15231
3.70	35.00	6.00	64.00	19009
4.00	23.00	6.00	50.00	19011
	35.00	6.00	64.00	15677
4.20	45.00	6.00	76.00	15232
4.30	45.00	6.00	76.00	19013
4.60	45.00	6.00	76.00	19017
5.00	45.00	6.00	76.00	15683
5.20	50.00	6.00	82.00	19021
6.00	32.00	6.00	64.00	19023
	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
	54.00	8.00	100.00	15689
7.30	54.00	8.00	100.00	19026
7.40	54.00	8.00	100.00	19027
7.50	54.00	8.00	100.00	19028
7.80	60.00	8.00	100.00	15234
8.00	40.00	8.00	76.00	19030
	60.00	8.00	100.00	15690
8.50	63.00	10.00	100.00	15235
9.00	63.00	10.00	100.00	19032
9.50	63.00	10.00	100.00	15236
10.00	44.00	10.00	76.00	19035
	63.00	10.00	100.00	15691
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

Advanced Performance



3
FLUTES

UC
UNCOATED

I M
IMPERIAL METRIC

■ Titanium ■ Graphite ■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics ■ Wood ■ General Purpose

DRILLS

1565 AlumaDrill

AlumaDrill



Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number
				UC
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

Advanced
Performance



3

FLUTES

UC

UNCOATED

I M

IMPERIAL METRIC

■ Titanium ■ Graphite ■ Brass & Copper ■ High Si Al ■ Low Si Al ■ Composites ■ Plastics ■ Wood ■ General Purpose

DRILLS

1566 Poly Drill



90° Point
 3 Parabolic Flutes
 Burr Teeth
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: +.0000" -.0005"
 +.000mm -0.013mm
 Cutter Diameter: +.0000" -.001"
 +.00mm -0.025mm

Cutting Diameter		Cutting Length	Shank Diameter	Overall Length	EDP Number
.2500	1/4	1 1/2	0.2500	4	15676
.5000	1/2	1 1/2	0.5000	6	15678
Metric					
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

Advanced Performance



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

■ Graphite ■ Composites ■ Plastics

DRILLS

5566 Poly Drill



90° Point
 3 Parabolic Flutes
 Burr Teeth
 Right Hand Spiral
 Right Hand Cut
 Dura Carb III (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: +.0000" -.0005"
 +.0000mm -0.013mm
 Cutter Diameter: +.0000" -.001"
 +.000mm -0.025mm

Advanced Performance



Cutting Diameter		Cutting Length	Shank Diameter	Overall Length	EDP Number	
					UC	FC 1
.1910	11	1	.2500	4	25319	25300
.2500	1/4	1 1/2	.2500	4	25322	25303
.2520		1 1/2	.2520	4	25323	25304
.2656	17/64	1 1/2	.2656	4	25338	25339
.2812	9/32	1 1/2	.2812	4	25340	25341
.3125	5/16	1 1/2	.3125	4 1/2	25327	25308
.3750	3/8	1 1/2	.3750	5	25342	25343
.3906	25/64	1 1/2	.3906	5	25344	25345
.4375	7/16	1 1/2	.4375	6	25346	25347
.5000	1/2	1 1/2	.5000	6	25337	25318
.5156	33/64	1 1/2	.5156	6	25348	25349
Metric						
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

■ Graphite ■ Composites ■ Plastics



135° Notched Cam Point
 2 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: Shanks are not precision ground and are intended for use in three jaw chucks and Collet holders only.

Cutter Diameter: +.0000" -.0005"
 +0.00mm -0.013mm

Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number		
				UC	FC 7	TIALN
Screw Machine Length						
.0400	60	3/8	.0400	1 1/2		13201
.0410	59	3/8	.0410	1 1/2		13202
.0420	58	3/8	.0420	1 1/2		13203
.0430	57	3/8	.0430	1 1/2		13204
.0465	56	3/8	.0465	1 1/2		13205
.0469	3/64	3/8	.0469	1 1/2		13206
.0520	55	3/8	.0520	1 1/2		13207
.0550	54	3/8	.0550	1 1/2		13208
.0595	53	3/8	.0595	1 1/2		13210
.0625	1/16	3/8	.0625	1 1/2		13211
.0635	52	3/8	.0635	1 1/2		13212
.0670	51	3/8	.0670	1 1/2		13213
.0700	50	3/8	.0700	1 1/2		13214
.0730	49	3/8	.0730	1 1/2		13215
.0760	48	3/8	.0760	1 1/2		13216
.0781	5/64	3/8	.0781	1 1/2		13217
.0785	47	3/8	.0785	1 1/2		13218
.0810	46	3/8	.0810	1 1/2		13220
.0820	45	3/8	.0820	1 1/2		13221
.0860	44	1/2	.0860	2	17823	13222
.0890	43	1/2	.0890	2		13223
.0935	42	1/2	.0935	2		13224
.0938	3/32	1/2	.0938	2		13225
.0960	41	1/2	.0960	2		13226
.0980	40	5/8	.0980	2		13227
.0995	39	5/8	.0995	2		13229
.1015	38	5/8	.1015	2		13230
.1040	37	5/8	.1040	2		13231
.1065	36	5/8	.1065	2		13232

■ Titanium
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 ■ Wood
 ■ General Purpose



DRILLS

1500



Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number		
				UC	FC7	TIALN
Screw Machine Length						
.1094	7/64	5/8	.1094	2		13233
.1100	35	5/8	.1100	2		13234
.1110	34	5/8	.1110	2		13235
.1130	33	5/8	.1130	2		13236
.1160	32	5/8	.1160	2		13237
.1200	31	5/8	.1200	2		13239
.1250	1/8	5/8	.1250	2		13240
.1285	30	5/8	.1285	2		13241
.1360	29	5/8	.1360	2		13242
.1405	28	5/8	.1405	2		13244
.1406	9/64	5/8	.1406	2		13245
.1440	27	3/4	.1440	2 1/2		13255
.1470	26	3/4	.1470	2 1/2		13256
.1495	25	3/4	.1495	2 1/2		13257
.1520	24	3/4	.1520	2 1/2		13258
.1540	23	3/4	.1540	2 1/2		13259
.1562	5/32	3/4	.1562	2 1/2		13260
.1570	22	3/4	.1570	2 1/2		13261
.1590	21	3/4	.1590	2 1/2		13263
.1610	20	3/4	.1610	2 1/2		13264
.1660	19	3/4	.1660	2 1/2		13265
.1695	18	3/4	.1695	2 1/2		13266
.1719	11/64	3/4	.1719	2 1/2		13267
.1730	17	3/4	.1730	2 1/2		13268
.1770	16	3/4	.1770	2 1/2		13269
.1800	15	3/4	.1800	2 1/2		13271
.1820	14	3/4	.1820	2 1/2		13272
.1850	13	3/4	.1850	2 1/2		13273
.1875	3/16	3/4	.1875	2 1/2		13274
.1890	12	3/4	.1890	2 1/2		13275
.1910	11	3/4	.1910	2 1/2		13276
.1935	10	3/4	.1935	2 1/2		13277
.1960	9	3/4	.1960	2 1/2		13278
.1990	8	3/4	.1990	2 1/2		13280
.2010	7	3/4	.2010	2 1/2		13281
.2031	13/64	3/4	.2031	2 1/2		13282
.2040	6	1	.2040	2 1/2		13283
.2055	5	1	.2055	2 1/2		13284
.2090	4	1	.2090	2 1/2		13285
.2130	3	1	.2130	2 1/2		13286
.2188	7/32	1	.2188	2 1/2		13288
.2210	2	1	.2210	2 1/2		13289
.2280	1	1	.2280	2 1/2		13290
.2340	A	1	.2340	2 1/2		13291
.2344	15/64	1	.2344	2 1/2		13292



2

FLUTES

UNCOATED

FC-7

TIALN

COATING



IMPERIAL METRIC

■ Titanium ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Graphite ■ Brass & Copper ■ High Si Al
 ■ Low Si Al ■ Composites ■ Plastics ■ Wood ■ General Purpose

Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number		
				UC	FC 7	TIALN
Screw Machine Length						
.2380	B	1	.2380	2 1/2		13294
.2420	C	1	.2420	2 1/2		13295
.2460	D	1	.2460	2 1/2		13296
.2500	1/4	1	.2500	2 1/2		13297
.2570	F	1	.2570	2 1/2		13299
.2610	G	1	.2610	2 1/2		13300
.2656	17/64	1	.2656	2 1/2		13301
.2660	H	1	.2660	2 1/2		13302
.2720	I	1	.2720	2 1/2		13303
.2770	J	1	.2770	2 1/2		13305
.2810	K	1	.2810	2 1/2		13306
.2812	9/32	1	.2812	2 1/2		13307
.2900	L	1 1/4	.2900	2 3/4		13308
.2950	M	1 1/4	.2950	2 3/4		13309
.2969	19/64	1 1/4	.2969	2 3/4		13311
.3020	N	1 1/4	.3020	2 3/4		13312
.3125	5/16	1 1/4	.3125	2 3/4		13313
.3160	O	1 1/4	.3160	2 3/4		13315
.3230	P	1 1/4	.3230	2 3/4		13316
.3281	21/64	1 1/4	.3281	2 3/4		13317
.3320	Q	1 1/4	.3320	3		13318
.3390	R	1 1/4	.3390	3		13320
.3438	11/32	1 1/4	.3438	3		13321
.3480	S	1 1/4	.3480	3		13322
.3580	T	1 1/4	.3580	3		13324
.3594	23/64	1 1/4	.3594	3		13325
.3680	U	1 1/4	.3680	3		13326
.3750	3/8	1 1/4	.3750	3		13328
.3770	V	1 1/4	.3770	3		13329
.3860	W	1 1/4	.3860	3		13330
.3906	25/64	1 1/4	.3906	3		13331
.3970	X	1 1/4	.3970	3		13333
.4040	Y	1 1/4	.4040	3		13334
.4062	13/32	1 1/4	.4062	3		13335
.4130	Z	1 1/4	.4130	3		13336
.4219	27/64	1 1/4	.4219	3		13338
.4375	7/16	1 1/4	.4375	3		13340
.4531	29/64	1 1/4	.4531	3		13342
.4688	15/32	1 1/4	.4688	3		13343
.4844	31/64	1 1/4	.4844	3		13345
.5000	1/2	1 1/4	.5000	3		13347
.5312	17/32	1 1/4	.5312	3 1/2		13348
.5625	9/16	1 1/4	.5625	3 1/2		13349
.5938	19/32	1 1/2	.5938	3 1/2		13350
.6250	5/8	1 1/2	.6250	3 1/2		13351
.6562	21/32	1 1/2	.6562	3 1/2		13352
.6875	11/16	1 1/2	.6875	4		13353
.7188	23/32	1 1/2	.7188	4		13354
.7500	3/4	1 1/2	.7500	4		13355
.8750	7/8	1 1/2	.8750	4		13356
1.0000	1	1 1/2	1.0000	4		13357

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DRILLS

1500



Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number		
				UC	FC7	TIALN
Standard Length						
.0280	70	5/16	.0280	1 1/4		13000
.0292	69	5/16	.0292	1 1/4		13001
.0310	68	5/16	.0310	1 1/4		13002
.0312	1/32	5/16	.0312	1 1/4		13003
.0320	67	5/16	.0320	1 1/4		13004
.0330	66	5/16	.0330	1 1/4		13005
.0350	65	5/8	.0350	1 1/2		13006
.0360	64	5/8	.0360	1 1/2		13007
.0370	63	5/8	.0370	1 1/2		13008
.0380	62	5/8	.0380	1 1/2		13009
.0390	61	5/8	.0390	1 1/2		13010
.0400	60	3/4	.0400	1 1/2		13012
.0410	59	3/4	.0410	1 1/2		13013
.0420	58	3/4	.0420	1 1/2		13014
.0430	57	3/4	.0430	1 1/2		13015
.0465	56	3/4	.0465	1 1/2		13016
.0469	3/64	3/4	.0469	1 1/2		13017
.0520	55	3/4	.0520	1 1/2		13018
.0550	54	3/4	.0550	1 1/2		13019
.0595	53	3/4	.0595	1 1/2		13021
.0625	1/16	3/4	.0625	1 1/2		13022
.0635	52	3/4	.0635	1 1/2		13023
.0670	51	3/4	.0670	1 1/2		13024
.0700	50	7/8	.0700	1 3/4		13025
.0730	49	7/8	.0730	1 3/4		13026
.0760	48	7/8	.0760	1 3/4		13027
.0781	5/64	7/8	.0781	1 3/4		13028
.0785	47	7/8	.0785	1 3/4		13029
.0810	46	7/8	.0810	1 3/4		13031
.0820	45	7/8	.0820	1 3/4		13032
.0860	44	1	.0860	2		13033
.0890	43	1	.0890	2	17636	13034
.0935	42	1	.0935	2		13035
.0938	3/32	1	.0938	2		13036
.0960	41	1	.0960	2		13037
.0980	40	1	.0980	2		13038
.0995	39	1 1/4	.0995	2 1/4		13040
.1015	38	1 1/4	.1015	2 1/4		13041
.1040	37	1 1/4	.1040	2 1/4		13042
.1065	36	1 1/4	.1065	2 1/4		13043
.1094	7/64	1 1/4	.1094	2 1/4		13044



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Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number		
				UC	FC7	TIALN
Standard Length						
.1100	35	1 1/4	.1100	2 1/4		13045
.1110	34	1 1/4	.1110	2 1/4		13046
.1130	33	1 1/4	.1130	2 1/4		13047
.1160	32	1 1/4	.1160	2 1/4		13048
.1200	31	1 1/4	.1200	2 1/4		13050
.1250	1/8	1 1/4	.1250	2 1/4	17653	13051
.1285	30	1 3/8	.1285	2 1/2	17654	13052
.1360	29	1 3/8	.1360	2 1/2		13053
.1405	28	1 3/8	.1405	2 1/2		13055
.1406	9/64	1 3/8	.1406	2 1/2		13056
.1440	27	1 3/8	.1440	2 1/2	17660	13057
.1470	26	1 3/8	.1470	2 1/2		13058
.1495	25	1 3/8	.1495	2 1/2		13059
.1520	24	1 3/8	.1520	2 1/2		13060
.1540	23	1 3/8	.1540	2 1/2		13061
.1562	5/32	1 3/8	.1562	2 1/2	17665	13062
.1570	22	1 3/8	.1570	2 1/2		13063
.1590	21	1 3/8	.1590	2 1/2		13065
.1610	20	1 3/8	.1610	2 1/2		13066
.1660	19	1 5/8	.1660	2 3/4		13067
.1695	18	1 5/8	.1695	2 3/4		13068
.1719	11/64	1 5/8	.1719	2 3/4		13069
.1730	17	1 5/8	.1730	2 3/4		13070
.1770	16	1 5/8	.1770	2 3/4		13071
.1800	15	1 5/8	.1800	2 3/4		13073
.1820	14	1 5/8	.1820	2 3/4		13074
.1850	13	1 5/8	.1850	2 3/4		13075
.1875	3/16	1 5/8	.1875	2 3/4		13076
.1890	12	1 5/8	.1890	2 3/4		13077
.1910	11	1 5/8	.1910	2 3/4		13078
.1935	10	1 5/8	.1935	2 3/4		13079
.1960	9	1 3/4	.1960	3		13080
.1990	8	1 3/4	.1990	3		13082
.2010	7	1 3/4	.2010	3		13083
.2031	13/64	1 3/4	.2031	3		13084
.2040	6	1 3/4	.2040	3		13085
.2055	5	1 3/4	.2055	3		13086
.2090	4	1 3/4	.2090	3		13087
.2130	3	1 3/4	.2130	3		13088
.2188	7/32	1 3/4	.2188	3		13090
.2210	2	1 3/4	.2210	3		13091
.2280	1	1 3/4	.2280	3		13092
.2340	A	2	.2340	3 1/4		13093
.2344	15/64	2	.2344	3 1/4		13094
.2380	B	2	.2380	3 1/4		13096
.2420	C	2	.2420	3 1/4		13097
.2460	D	2	.2460	3 1/4		13098
.2500	1/4	2	.2500	3 1/4	17702	13099
.2570	F	2	.2570	3 1/4	17704	13101
.2610	G	2 1/8	.2610	3 1/2		13102
.2656	17/64	2 1/8	.2656	3 1/2		13103
.2660	H	2 1/8	.2660	3 1/2		13104
.2720	I	2 1/8	.2720	3 1/2		13105

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DRILLS

1500



Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number		
				UC	FC 7	TIALN
Standard Length						
.2770	J	2 1/8	.2770	3 1/2	13107	
.2810	K	2 1/8	.2810	3 1/2	13108	
.2812	9/32	2 1/8	.2812	3 1/2	13109	
.2900	L	2 1/8	.2900	3 1/2	13110	
.2950	M	2 3/8	.2950	4	13111	
.2969	19/64	2 3/8	.2969	4	13113	
.3020	N	2 3/8	.3020	4	13114	
.3125	5/16	2 3/8	.3125	4	17718	13115
.3160	O	2 3/8	.3160	4	13117	
.3230	P	2 3/8	.3230	4	13118	
.3281	21/64	2 1/2	.3281	4	13119	
.3320	Q	2 1/2	.3320	4	13120	
.3390	R	2 1/2	.3390	4	13122	
.3438	11/32	2 1/2	.3438	4	13123	
.3480	S	2 1/2	.3480	4	13124	
.3580	T	2 3/4	.3580	4 1/4	13126	
.3594	23/64	2 3/4	.3594	4 1/4	13127	
.3680	U	2 3/4	.3680	4 1/4	13128	
.3750	3/8	2 3/4	.3750	4 1/4	13130	
.3770	V	2 3/4	.3770	4 1/4	13131	
.3860	W	2 7/8	.3860	4 1/2	13132	
.3906	25/64	2 7/8	.3906	4 1/2	13133	
.3970	X	2 7/8	.3970	4 1/2	13135	
.4040	Y	2 7/8	.4040	4 1/2	13136	
.4062	13/32	2 7/8	.4062	4 1/2	13137	
.4130	Z	2 7/8	.4130	4 1/2	13138	
.4219	27/64	2 7/8	.4219	4 1/2	13140	
.4375	7/16	2 7/8	.4375	4 1/2	13142	
.4531	29/64	3	.4531	4 3/4	13144	
.4688	15/32	3	.4688	4 3/4	13145	
.4844	31/64	3	.4844	4 3/4	13147	
.5000	1/2	3	.5000	4 3/4	13149	
.5312	17/32	4	.5312	6	13150	
.5625	9/16	4	.5625	6	13151	
.5938	19/32	4	.5938	6	13152	
.6250	5/8	4	.6250	6	13153	
.6562	21/32	4	.6562	6	13154	
.6875	11/16	4	.6875	6	13155	
.7188	23/32	4	.7188	6	13156	
.7500	3/4	4	.7500	6	13157	
.8750	7/8	4	.8750	6	13158	
1.0000	1	4	1.0000	6	13159	



2

FLUTES

UNCOATED

FC-7

TIALN

COATING



IMPERIAL METRIC

- Titanium
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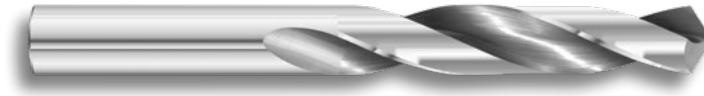
Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number		
				UC	FC 7	TIALN
Metric Screw Machine Length						
1.00		9.50	1.00	38.00		13200
1.50		9.50	1.50	38.00		13209
2.00		9.50	2.00	38.00		13219
2.50		16.00	2.50	51.00		13228
3.00		16.00	3.00	51.00		13238
3.50		16.00	3.50	51.00	13243	
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	
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	

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DRILLS

1510



118° Four Facet Point
 2 Flutes
 25° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: Shanks are not precision ground and are intended for use in three jaw chucks and Collet holders only.

Cutter Diameter: +.0000" -.0005"
 +0.00mm -0.013mm

Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number	
				UC	
Screw Machine Length					
.0400	60	3/8	.0400	1 1/2	16002
.0410	59	3/8	.0410	1 1/2	16003
.0420	58	3/8	.0420	1 1/2	16004
.0430	57	3/8	.0430	1 1/2	16005
.0465	56	3/8	.0465	1 1/2	16006
.0469	3/64	3/8	.0469	1 1/2	16007
.0520	55	3/8	.0520	1 1/2	16008
.0550	54	3/8	.0550	1 1/2	16009
.0595	53	3/8	.0595	1 1/2	16011
.0625	1/16	3/8	.0625	1 1/2	16012
.0635	52	3/8	.0635	1 1/2	16013
.0670	51	3/8	.0670	1 1/2	16014
.0700	50	3/8	.0700	1 1/2	16015
.0730	49	3/8	.0730	1 1/2	16016
.0760	48	3/8	.0760	1 1/2	16017
.0781	5/64	3/8	.0781	1 1/2	16018
.0785	47	3/8	.0785	1 1/2	16019
.0810	46	3/8	.0810	1 1/2	16021
.0820	45	3/8	.0820	1 1/2	16022
.0860	44	1/2	.0860	2	16023
.0890	43	1/2	.0890	2	16024
.0935	42	1/2	.0935	2	16025
.0938	3/32	1/2	.0938	2	16026
.0960	41	1/2	.0960	2	16027
.0980	40	5/8	.0980	2	16028
.0995	39	5/8	.0995	2	16030
.1015	38	5/8	.1015	2	16031
.1040	37	5/8	.1040	2	16032
.1065	36	5/8	.1065	2	15276

■ Titanium ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Graphite ■ Brass & Copper ■ High Si Al
 ■ Low Si Al ■ Composites ■ Wood ■ General Purpose



Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.1094	7/64	5/8	.1094	2	16033
.1100	35	5/8	.1100	2	16034
.1110	34	5/8	.1110	2	16035
.1130	33	5/8	.1130	2	15277
.1160	32	5/8	.1160	2	16036
.1200	31	5/8	.1200	2	16038
.1250	1/8	5/8	.1250	2	15201
.1285	30	5/8	.1285	2	16039
.1360	29	5/8	.1360	2	15278
.1405	28	5/8	.1405	2	16041
.1406	9/64	5/8	.1406	2	15202
.1440	27	3/4	.1440	2 1/2	16042
.1470	26	3/4	.1470	2 1/2	16043
.1495	25	3/4	.1495	2 1/2	15279
.1520	24	3/4	.1520	2 1/2	16044
.1540	23	3/4	.1540	2 1/2	16045
.1562	5/32	3/4	.1562	2 1/2	15203
.1570	22	3/4	.1570	2 1/2	15280
.1590	21	3/4	.1590	2 1/2	16047
.1610	20	3/4	.1610	2 1/2	16048
.1660	19	3/4	.1660	2 1/2	16049
.1695	18	3/4	.1695	2 1/2	16050
.1719	11/64	3/4	.1719	2 1/2	15204
.1730	17	3/4	.1730	2 1/2	16051
.1770	16	3/4	.1770	2 1/2	16052
.1800	15	3/4	.1800	2 1/2	16054
.1820	14	3/4	.1820	2 1/2	16055
.1850	13	3/4	.1850	2 1/2	16056
.1875	3/16	3/4	.1875	2 1/2	15205
.1890	12	3/4	.1890	2 1/2	16057
.1910	11	3/4	.1910	2 1/2	16058
.1935	10	3/4	.1935	2 1/2	16059
.1960	9	3/4	.1960	2 1/2	16060
.1990	8	3/4	.1990	2 1/2	16062
.2010	7	3/4	.2010	2 1/2	16063
.2031	13/64	3/4	.2031	2 1/2	15206
.2040	6	1	.2040	2 1/2	16064
.2055	5	1	.2055	2 1/2	16065
.2090	4	1	.2090	2 1/2	16066
.2130	3	1	.2130	2 1/2	15281
.2188	7/32	1	.2188	2 1/2	15207
.2210	2	1	.2210	2 1/2	16068
.2280	1	1	.2280	2 1/2	16069
.2340	A	1	.2340	2 1/2	16070
.2344	15/64	1	.2344	2 1/2	15208
.2380	B	1	.2380	2 1/2	16072
.2420	C	1	.2420	2 1/2	16073
.2460	D	1	.2460	2 1/2	16074
.2500	1/4	1	.2500	2 1/2	15209
.2570	F	1	.2570	2 1/2	15282
.2610	G	1	.2610	2 1/2	16076
.2656	17/64	1	.2656	2 1/2	15210
.2660	H	1	.2660	2 1/2	16078

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DRILLS

1510



Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.2720	I	1	.2720	2 1/2	15283
.2770	J	1	.2770	2 1/2	16080
.2810	K	1	.2810	2 1/2	16081
.2812	9/32	1	.2812	2 1/2	15211
.2900	L	1 1/4	.2900	2 3/4	16082
.2950	M	1 1/4	.2950	2 3/4	16083
.2969	19/64	1 1/4	.2969	2 3/4	15212
.3020	N	1 1/4	.3020	2 3/4	16085
.3125	5/16	1 1/4	.3125	2 3/4	15213
.3160	O	1 1/4	.3160	2 3/4	16087
.3230	P	1 1/4	.3230	2 3/4	16088
.3281	21/64	1 1/4	.3281	2 3/4	15214
.3320	Q	1 1/4	.3320	3	16089
.3390	R	1 1/4	.3390	3	16091
.3438	11/32	1 1/4	.3438	3	15215
.3480	S	1 1/4	.3480	3	16092
.3580	T	1 1/4	.3580	3	16094
.3594	23/64	1 1/4	.3594	3	15216
.3680	U	1 1/4	.3680	3	16095
.3750	3/8	1 1/4	.3750	3	15217
.3770	V	1 1/4	.3770	3	16097
.3860	W	1 1/4	.3860	3	16098
.3906	25/64	1 1/4	.3906	3	15218
.3970	X	1 1/4	.3970	3	16100
.4040	Y	1 1/4	.4040	3	16101
.4062	13/32	1 1/4	.4062	3	15219
.4130	Z	1 1/4	.4130	3	16102
.4219	27/64	1 1/4	.4219	3	15220
.4375	7/16	1 1/4	.4375	3	15221
.4531	29/64	1 1/4	.4531	3	15222
.4688	15/32	1 1/4	.4688	3	15223
.4844	31/64	1 1/4	.4844	3	15224
.5000	1/2	1 1/4	.5000	3	15225
.5312	17/32	1 1/4	.5312	3 1/2	16108
.5625	9/16	1 1/2	.5625	3 1/2	15256
.5938	19/32	1 1/2	.5938	3 1/2	16109
.6250	5/8	1 1/2	.6250	3 1/2	15262
.6562	21/32	1 1/2	.6562	3 1/2	16110
.6875	11/16	1 1/2	.6875	4	16111
.7188	23/32	1 1/2	.7188	4	16112
.7500	3/4	1 1/2	.7500	4	15275
.8750	7/8	1 1/2	.8750	4	16113
1.0000	1	1 1/2	1.0000	4	16114
Standard Length					
.0280	70	5/16	.0280	1 1/4	15012

- Titanium ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Graphite ■ Brass & Copper ■ High Si Al
- Low Si Al ■ Composites ■ Wood ■ General Purpose



2

FLUTES

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Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.0292	69	5/16	.0292	1 1/4	15013
.0310	68	5/16	.0310	1 1/4	15014
.0312	1/32	5/16	.0312	1 1/4	15015
.0320	67	5/16	.0320	1 1/4	15016
.0330	66	5/16	.0330	1 1/4	15017
.0350	65	5/8	.0350	1 1/2	15018
.0360	64	5/8	.0360	1 1/2	15019
.0370	63	5/8	.0370	1 1/2	15020
.0380	62	5/8	.0380	1 1/2	15021
.0390	61	5/8	.0390	1 1/2	15022
.0400	60	3/4	.0400	1 1/2	15024
.0410	59	3/4	.0410	1 1/2	15025
.0420	58	3/4	.0420	1 1/2	15026
.0430	57	3/4	.0430	1 1/2	15027
.0465	56	3/4	.0465	1 1/2	15028
.0469	3/64	3/4	.0469	1 1/2	15029
.0520	55	3/4	.0520	1 1/2	15030
.0550	54	3/4	.0550	1 1/2	15031
.0595	53	3/4	.0595	1 1/2	15033
.0625	1/16	3/4	.0625	1 1/2	15034
.0635	52	3/4	.0635	1 1/2	15035
.0670	51	3/4	.0670	1 1/2	15036
.0700	50	7/8	.0700	1 3/4	15037
.0730	49	7/8	.0730	1 3/4	15038
.0760	48	7/8	.0760	1 3/4	15039
.0781	5/64	7/8	.0781	1 3/4	15040
.0785	47	7/8	.0785	1 3/4	15041
.0810	46	7/8	.0810	1 3/4	15043
.0820	45	7/8	.0820	1 3/4	15044
.0860	44	1	.0860	2	15045
.0890	43	1	.0890	2	15046
.0935	42	1	.0935	2	15047
.0938	3/32	1	.0938	2	15048
.0960	41	1	.0960	2	15049
.0980	40	1	.0980	2	15050
.0995	39	1 1/4	.0995	2 1/4	15052
.1015	38	1 1/4	.1015	2 1/4	15053
.1040	37	1 1/4	.1040	2 1/4	15054
.1065	36	1 1/4	.1065	2 1/4	15055
.1094	7/64	1 1/4	.1094	2 1/4	15056
.1100	35	1 1/4	.1100	2 1/4	15057
.1110	34	1 1/4	.1110	2 1/4	15058
.1130	33	1 1/4	.1130	2 1/4	15059
.1160	32	1 1/4	.1160	2 1/4	15060
.1200	31	1 1/4	.1200	2 1/4	15062
.1250	1/8	1 1/4	.1250	2 1/4	15063
.1285	30	1 3/8	.1285	2 1/2	15064
.1360	29	1 3/8	.1360	2 1/2	15065
.1405	28	1 3/8	.1405	2 1/2	15067
.1406	9/64	1 3/8	.1406	2 1/2	15068
.1440	27	1 3/8	.1440	2 1/2	15069
.1470	26	1 3/8	.1470	2 1/2	15070
.1495	25	1 3/8	.1495	2 1/2	15071

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DRILLS

1510



Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.1520	24	1 3/8	.1520	2 1/2	15072
.1540	23	1 3/8	.1540	2 1/2	15073
.1562	5/32	1 3/8	.1562	2 1/2	15074
.1570	22	1 3/8	.1570	2 1/2	15075
.1590	21	1 3/8	.1590	2 1/2	15077
.1610	20	1 3/8	.1610	2 1/2	15078
.1660	19	1 5/8	.1660	2 3/4	15079
.1695	18	1 5/8	.1695	2 3/4	15080
.1719	11/64	1 5/8	.1719	2 3/4	15081
.1730	17	1 5/8	.1730	2 3/4	15082
.1770	16	1 5/8	.1770	2 3/4	15083
.1800	15	1 5/8	.1800	2 3/4	15085
.1820	14	1 5/8	.1820	2 3/4	15086
.1850	13	1 5/8	.1850	2 3/4	15087
.1875	3/16	1 5/8	.1875	2 3/4	15088
.1890	12	1 5/8	.1890	2 3/4	15089
.1910	11	1 5/8	.1910	2 3/4	15090
.1935	10	1 5/8	.1935	2 3/4	15091
.1960	9	1 3/4	.1960	3	15092
.1990	8	1 3/4	.1990	3	15094
.2010	7	1 3/4	.2010	3	15095
.2031	16/64	1 3/4	.2031	3	15096
.2040	6	1 3/4	.2040	3	15097
.2055	5	1 3/4	.2055	3	15098
.2090	4	1 3/4	.2090	3	15099
.2130	3	1 3/4	.2130	3	15100
.2188	7/32	1 3/4	.2188	3	15102
.2210	2	1 3/4	.2210	3	15103
.2280	1	1 3/4	.2280	3	15104
.2340	A	2	.2340	3 1/4	15105
.2344	15/64	2	.2344	3 1/4	15106
.2380	B	2	.2380	3 1/4	15108
.2420	C	2	.2420	3 1/4	15109
.2460	D	2	.2460	3 1/4	15110
.2500	1/4	2	.2500	3 1/4	15112
.2570	F	2	.2570	3 1/4	15114
.2610	G	2 1/8	.2610	3 1/2	15115
.2656	17/64	2 1/8	.2656	3 1/2	15116
.2660	H	2 1/8	.2660	3 1/2	15117
.2720	I	2 1/8	.2720	3 1/2	15118
.2770	J	2 1/8	.2770	3 1/2	15120
.2810	K	2 1/8	.2810	3 1/2	15121
.2812	9/32	2 1/8	.2812	3 1/2	15122
.2900	L	2 1/8	.2900	3 1/2	15123



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FLUTES

UC

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IMPERIAL METRIC

- Titanium
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Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number	
						UC
.2950	M	2 3/8	.2950	4	15124	
.2969	19/64	2 3/8	.2969	4	15126	
.3020	N	2 3/8	.3020	4	15127	
.3125	5/16	2 3/8	.3125	4	15128	
.3160	O	2 3/8	.3160	4	15130	
.3230	P	2 3/8	.3230	4	15131	
.3281	21/64	2 1/2	.3281	4	15132	
.3320	Q	2 1/2	.3320	4	15133	
.3390	R	2 1/2	.3390	4	15135	
.3438	11/32	2 1/2	.3438	4	15136	
.3480	S	2 1/2	.3480	4	15137	
.3580	T	2 3/4	.3580	4 1/4	15139	
.3594	23/64	2 3/4	.3594	4 1/4	15140	
.3680	U	2 3/4	.3680	4 1/4	15141	
.3750	3/8	2 3/4	.3750	4 1/4	15143	
.3770	V	2 3/4	.3770	4 1/4	15144	
.3860	W	2 7/8	.3860	4 1/2	15145	
.3906	25/64	2 7/8	.3906	4 1/2	15146	
.3970	X	2 7/8	.3970	4 1/2	15148	
.4040	Y	2 7/8	.4040	4 1/2	15149	
.4062	13/32	2 7/8	.4062	4 1/2	15150	
.4130	Z	2 7/8	.4130	4 1/2	15170	
.4219	27/64	2 7/8	.4219	4 1/2	15152	
.4375	7/16	2 7/8	.4375	4 1/2	15154	
.4531	29/64	3	.4531	4 3/4	15156	
.4688	15/32	3	.4688	4 3/4	15157	
.4844	31/64	3	.4844	4 3/4	15159	
.5000	1/2	3	.5000	4 3/4	15161	
.5312	17/32	4	.5312	6	15162	
.5625	9/16	4	.5625	6	15163	
.5938	19/32	4	.5938	6	15164	
.6250	5/8	4	.6250	6	15165	
.6562	21/32	4	.6562	6	15166	
.6875	11/16	4	.6875	6	15167	
.7188	23/32	4	.7188	6	15171	
.7500	3/4	4	.7500	6	15168	
.8750	7/8	4	.8750	6	15169	
1.0000	1	4	1.0000	6	15174	
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	

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DRILLS

1510



Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number
				UC
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
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



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FLUTES

UC

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IMPERIAL METRIC

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Cutting Diameter	Flute Length	Shank Diameter	Overall Length	EDP Number
				UC
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



- Titanium ■ Hardened Steels ■ Stainless Steels ■ Steels ■ Cast Iron ■ Graphite ■ Brass & Copper ■ High Si Al
- Low Si Al ■ Composites ■ Wood ■ General Purpose

DRILLS

1535 NC Spotting Drills



90°, 120°, and 150° Point Angles
 2 Cam Relieved Flutes
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: +.0000" -.0005"
 +0.00mm -0.013mm
 Cutter Diameter: +.0000" -.0005"
 +0.00mm -0.013mm

Cutting Diameter	Flute Length	Shank Diameter	Overall Length	Point Angle	EDP Number	
					UC	FC7
1/8	5/8	.1250	2 1/2	90°	15450	15451
	5/8	.1250	2 1/2	120°	15350	15351
	5/8	.1250	2 1/2	150°	15736	15747
3/16	3/4	.1875	2 1/2	90°	15453	15452
	3/4	.1875	2 1/2	120°	15353	15352
	3/4	.1875	2 1/2	150°	15758	15748
1/4	1	.2500	2 1/2	90°	15462	15463
	1	.2500	2 1/2	120°	15362	15363
	1	.2500	2 1/2	150°	15774	15749
5/16	1	.3125	2 1/2	90°	15464	15466
	1	.3125	2 1/2	120°	15364	15367
	1	.3125	2 1/2	150°	15778	15750
3/8	1 1/4	.3750	3	90°	15468	15469
	1 1/4	.3750	3	120°	15368	15369
	1 1/4	.3750	3	150°	15782	15751
1/2	1 1/4	.5000	3	90°	15477	15473
	1 1/4	.5000	3	120°	15377	15373
	1 1/4	.5000	3	150°	15790	15752
3/4	1 1/2	.7500	4	90°	15708	15475
	1 1/2	.7500	4	120°	15709	15375
	1 1/2	.7500	4	150°	15707	15753
Metric						
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

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

1535 NC Spotting Drills

Cutting Diameter	Flute Length	Shank Diameter	Overall Length	Point Angle	EDP Number	
					UC	FC7
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



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

DRILLS

1570 Micro-Drill



135° Notched Point
 2 Straight Flutes
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter: +.0000" -.0005"
 +0.000mm -0.013mm
 Cutter Diameter: +.0000" -.0005"
 +0.00mm -0.013mm

Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.0469	3/64	3/8	.0469	1 1/2	17500
.0625	1/16	3/8	.0625	1 1/2	17502
.0781	5/64	1/2	.0781	1 1/2	17504
.0938	3/32	1/2	.0938	2	17506
.1065	36	5/8	.1065	2	17508
.1094	7/64	5/8	.1094	2	17510
.1130	33	5/8	.1130	2	17512
.1250	1/8	5/8	.1250	2	17514
.1406	9/64	3/4	.1406	2	17516
.1495	25	3/4	.1495	2 1/2	17518
.1562	5/32	3/4	.1562	2 1/2	17520
.1570	22	3/4	.1570	2 1/2	17522
.1719	11/64	3/4	.1719	2 1/2	17524
.1730	17	3/4	.1730	2 1/2	17526
.1875	3/16	3/4	.1875	2 1/2	17528
.2010	7	3/4	.2010	2 1/2	17530
.2031	13/64	3/4	.2031	2 1/2	17532
.2188	7/32	1	.2188	2 1/2	17534
.2344	15/64	1	.2344	2 1/2	17536
.2500	1/4	1	.2500	2 1/2	17538
.2570	F	1	.2570	2 1/2	17540
.2656	17/64	1	.2656	2 1/2	17542
.2720	I	1	.2720	2 1/2	17544
.2812	9/32	1	.2812	2 1/2	17546
.2969	19/64	1 1/4	.2969	3	17548
.3125	5/16	1 1/4	.3125	3	17550
.3281	21/64	1 1/4	.3281	3	17552
.3438	11/32	1 1/4	.3438	3	17554
.3594	23/64	1 1/4	.3594	3	17556
.3750	3/8	1 1/4	.3750	3	17558
.3906	25/64	1 1/4	.3906	3	17560



■ Hardened Steels ■ Steels ■ Cast Iron ■ Graphite ■ High Si Al ■ Low Si Al ■ Composites ■ Wood ■ General Purpose

DRILLS

1570 Micro-Drill

Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
UC					
.4062	13/32	1 1/4	.4062	3	17562
.4219	27/64	1 1/4	.4219	3	17564
.4375	7/16	1 1/4	.4375	3	17566
.4531	29/64	1 1/4	.4531	3	17568
.4688	15/32	1 1/4	.4688	3	17570
.4844	31/64	1 1/4	.4844	3	17572
.5000	1/2	1 1/4	.5000	3	17574
Metric					
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



■ Hardened Steels ■ Steels ■ Cast Iron ■ Graphite ■ High Si Al ■ Low Si Al ■ Composites ■ Wood ■ General Purpose

DRILLS

2305 Center Drill



118° Cam Relieved Pilot Point
 2 Flutes
 Right Hand Spiral
 Right Hand Cut
 60°, 82°, and 90° Included Angle
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: h6
 Pilot Diameter: +.0030" -.0000"
 +0.08mm -0.00mm

Tool Number	Pilot Diameter	Body Diameter	Overall Length	EDP Number		
				60°	82°	90°
000	.0200	.1250	1 1/2	23000	23002	23004
00	.0250	.1250	1 1/2	23001	23003	23005
0	1/32	.1250	1 1/2	23100	23200	23300
1	3/64	.1250	1 1/2	23101	23201	23301
2	5/64	.1875	2	23102	23202	23302
3	7/64	.2500	2	23103	23203	23303
4	1/8	.3125	2 1/8	23104	23204	23304
5	3/16	.4375	2 3/4	23105	23205	23305
6	7/32	.5000	3	23106	23206	23306
7	1/4	.6250	3 1/4	23107	23207	23307
8	5/16	.7500	3 1/2	23108	23208	23308
Metric						
	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		



- Titanium
- Hardened Steels
- Stainless Steels
- Steels
- Cast Iron
- Graphite
- Brass & Copper
- High Si Al
- Low Si Al
- Composites
- Wood
- General Purpose

1540 Thinned Point



150° Thinned Point
 3 Flutes
 30° Helix
 Right Hand Spiral
 Right Hand Cut
 Dura Carb (Micrograin)
 Speeds and Feeds, see fullertontool.com

Tolerance:
 Shank Diameter: +.0000" -.0015"
 +0.000mm -0.038mm
 Cutter Diameter: +.0000" -.0005"
 +0.00mm -0.013mm

Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.0625	1/16	3/4	.0625	1 1/2	15401
.0781	5/64	7/8	.0781	1 3/4	15402
.0938	3/32	1	.0938	2	15403
.0980	40	1 1/4	.0980	2 1/4	15550
.1065	36	1 1/4	.1065	2 1/4	15551
.1094	7/64	1 1/4	.1094	2 1/4	15404
.1130	33	1 1/4	.1130	2 1/4	15552
.1250	1/8	1 1/4	.1250	2 1/4	15405
.1285	30	1 3/8	.1285	2 1/2	15553
.1360	29	1 3/8	.1360	2 1/2	15554
.1406	9/64	1 3/8	.1406	2 1/2	15406
.1495	25	1 3/8	.1495	2 1/2	15555
.1562	5/32	1 3/8	.1562	2 1/2	15407
.1570	22	1 3/8	.1570	2 1/2	15556
.1610	20	1 3/8	.1610	2 1/2	15422
.1719	11/64	1 5/8	.1719	2 3/4	15408
.1875	3/16	1 5/8	.1875	2 3/4	15409
.1935	10	1 5/8	.1935	2 3/4	15423
.2031	13/64	1 3/4	.2031	3	15410
.2130	3	1 3/4	.2130	3	15557
.2188	7/32	1 3/4	.2188	3	15411
.2344	15/64	2	.2344	3 1/4	15412
.2500	1/4	2	.2500	3 1/4	15413
.2570	F	2 1/8	.2570	3 1/2	15558
.2720	I	2 1/8	.2720	3 1/2	15559
.2812	9/32	2 1/8	.2812	3 1/2	15414
.3125	5/16	2 3/8	.3125	4	15415
.3438	11/32	2 1/2	.3438	4	15416
.3750	3/8	2 1/2	.3750	4	15417
.4062	13/32	2 7/8	.4062	4 1/2	15418
.4375	7/16	2 7/8	.4375	4 1/2	15419

■ Steels ■ Cast Iron ■ Wood ■ General Purpose



DRILLS

1540 Thinned Point



Cutting Diameter		Flute Length	Shank Diameter	Overall Length	EDP Number
					UC
.4688	15/32	3	.4688	4 3/4	15420
.5000	1/2	3	.5000	4 3/4	15421
.5000	1/2	4	.5000	6	15478
.5312	17/32	4	.5312	6	15479
.5625	9/16	4	.5625	6	15480
.5938	19/32	4	.5938	6	15481
.6250	5/8	4	.6250	6	15482
.6562	21/32	4	.6562	6	15483
.6875	11/16	4	.6875	6	15484
.7188	23/32	4	.7188	6	15485
.7500	3/4	4	.7500	6	15486
.8750	7/8	4	.8750	6	15487
1.0000	1	4	1.0000	6	15488



3

FLUTES

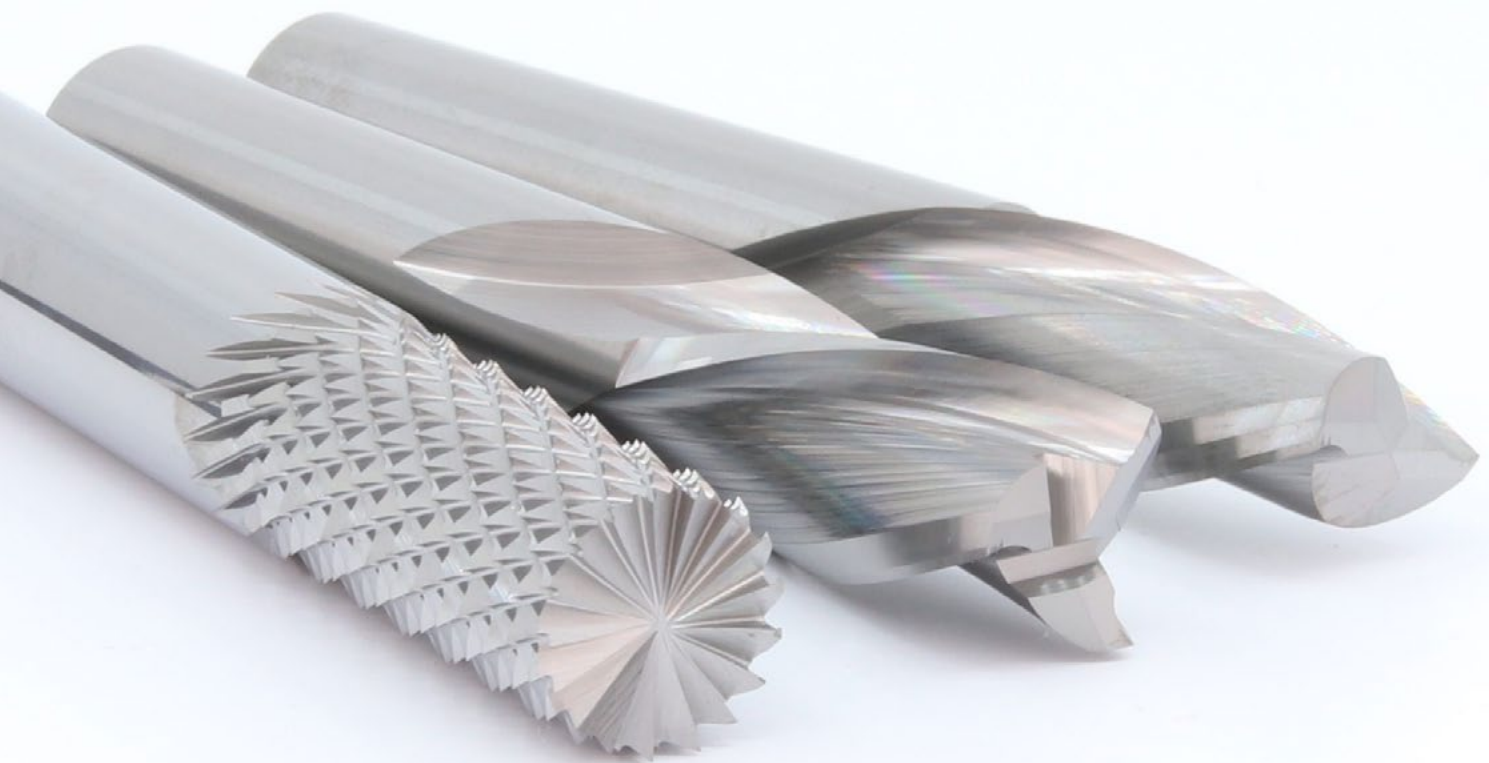
UC

UNCOATED

I

IMPERIAL

■ Steels ■ Cast Iron ■ Wood ■ General Purpose



ROUTERS

2600/5600 MATRX Router
3910 Square Router
3915 Square Router
3925 Square Router

3930 Square Router
3935 Square Router
6900 MATRX PCD Router

ROUTERS

2600/5600

**Style
A**

No End Cut

Recommended for edge work where the end of the router is not in contact with the work piece.

**Style
B**

Burr Style End Cut

Recommended for bottom cutting to produce an even, smooth surface with square corners

**Style
C**

End Mill End Cut

Recommended for bottom cutting where smooth surface and square corners are required.

**Style
D**

135° Drill Point

Recommended for plunging through the work piece before routing operations begin.



Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000"

-.0050"

2600 constructed from Dura Carb and 5600 constructed from Dura Carb 3D wear-resistant carbide.

NO END CUT

STYLE A

BURR

STYLE B

END MILL

STYLE C

135° DRILL

STYLE D

UNCOATED

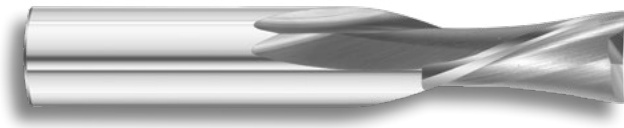
FC-1

COATING

Cutting Diameter	Cutting Length	Shank Diameter	Overall Length	EDP Number		
				2600 UC	5600 UC	5600 FC 1
Style A - No End Cut						
1/8	1/2	1/8	1 1/2	26125	25200	25250
3/16	5/8	3/16	2	26187	25201	25251
1/4	3/4	1/4	2 1/2	26250	25202	25252
	1	1/4	3	26260	25203	25253
3/8	1	3/8	2 1/2	26375	25204	25254
1/2	1	1/2	3	26500	25205	25255
Style B - Burr Style End Cut						
1/8	1/2	1/8	1 1/2	26126	25206	25256
3/16	5/8	3/16	2	26188	25207	25257
1/4	3/4	1/4	2 1/2	26251	25208	25258
	1	1/4	3	26261	25209	25259
3/8	1	3/8	2 1/2	26376	25210	25260
1/2	1	1/2	3	26501	25211	25261
Style C - End Mill End Cut						
1/8	1/2	1/8	1 1/2	26127	25212	25262
3/16	5/8	3/16	2	26189	25213	25263
1/4	3/4	1/4	2 1/2	26252	25214	25264
	1	1/4	3	26262	25215	25265
3/8	1	3/8	2 1/2	26377	25216	25266
1/2	1	1/2	3	26502	25217	25267
Style D - 135° Drill Point						
1/8	1/2	1/8	1 1/2	26128	25218	25268
3/16	5/8	3/16	2	26190	25219	25269
1/4	3/4	1/4	2 1/2	26253	25220	25270
	1	1/4	3	26263	25221	25271
3/8	1	3/8	2 1/2	26378	25222	25272
1/2	1	1/2	3	26503	25223	25273

ROUTERS

3910/3915/3925/3930/3935



3910 Series

Two LH Spiral RH cutting flutes. For hard and abrasive materials. LH spiral holds material down and forces chips downward.



3915 Series

Two RH Spiral RH cutting flutes. Designed for wood, wood composites, plastic, and other non-ferrous materials. The upcut prevents burning in plunge cuts.



3925 Series

Three LH Spiral RH cutting flutes. For fiberglass and composite materials. LH spiral holds materials down and forces chips downward.



3930 Series

One single flute. Designed for composites, wood, and softer ductile plastics.



3935 Series

Two LH Spiral RH cutting flutes. Designed for wood, wood composites, plastics, and non-ferrous materials. LH flutes force chips downward.

Number of Flutes and Helix Vary by Series
Right Hand Cut
Dura Carb (Micrograin)

Tolerance:

Shank Diameter: h6

Cutter Diameter: +.0000" -.0030"

Cutting Diameter	Cutting Length	Shank Diameter	Overall Length	EDP Number				
				3910	3915	3925	3930	3935
1/4	3/4	1/4	2 1/2	39109	39130	39116	39123	39137
	1	1/4	2 1/2	39110	39131	39117	39124	39138
3/8	1	3/8	2 1/2	39112	39133	39119	39126	39140
1/2	1	1/2	3	39113	39134	39120	39127	39141



SQUARE

VARY BY SERIES

FLUTES



CENTER CUTTING

SD

STANDARD

UC

UNCOATED

I

IMPERIAL



REAMERS

1400 General Purpose Reamer

1410 JIT Reamer

1450 JIT Reamer

REAMERS

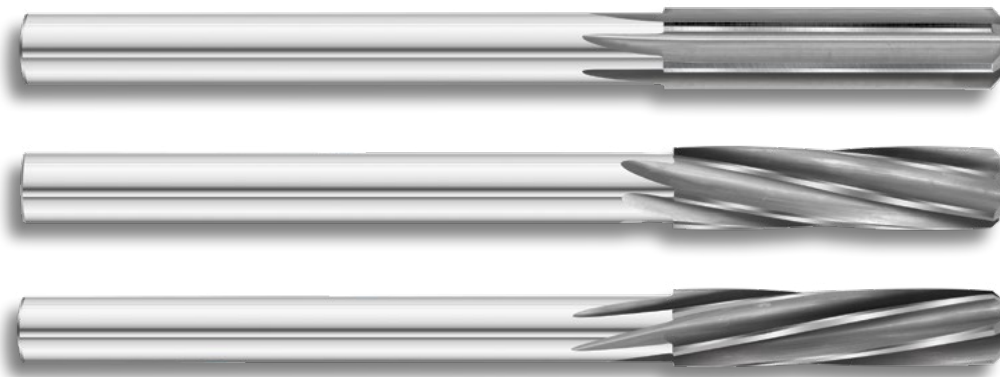
1410 JIT Decimal Size Reamers Solid Carbide



JIT SERVICES
24-Hour Just in Time Delivery

12
PIECES OR LESS
All Styles

- Straight Flutes** For all types of general reaming applications.
- RH Spiral Flutes** For blind holes and abrasive, ductile materials. Do not use for holes with interruptions unless material is reasonably soft.
- LH Spiral Flutes** Produces better finishes on hard materials such as heat-treated steels. Shear action is excellent for holes with interruptions; i.e., keyways, elongated slots, etc.



Straight Flute Standard Sizes available in 1400 Series Stub
Available with Coatings at Tolerances as Low as .0001"
(Additional Charges May Apply)
Manufactured using Female and Male Centers for improved concentricity
Male Centers on items up to .1124" (2.86mm)
45° Lead Angle
Speeds and Feeds, see fullertontool.com

Same Day Delivery If Ordered by 11AM EST Add 20% to Price

Tolerance:		
Shank Diameter:	+ .0005"	- .0005"
	+ 0.013mm	- 0.013mm
Cutting Diameter:		
Up to .2500"	+ .0002"	- .0000"
Over .2501"	+ .0003"	- .0000"
Up to 6.35mm	+ 0.005mm	- 0.000mm
Over 6.351mm	+ 0.008mm	- 0.000mm
	.0001" Tolerances Available (+20%)	



VARY BY
DIAMETER
FLUTES

STB
STUB

UC
UNCOATED

I
IMPERIAL

REAMERS

1410 JIT Decimal Size Reamers Solid Carbide

Size Range	Tool Length Style	Flute Length	Shank Diameter	Overall Length	Number of Flutes	EDP Number		
						ST	RH	LH
.0312 - .0394	STB	3/8	.0312	1 1/2	4	1410S01	1410R01	1410L01
.0395 - .0484	STB	3/8	.0312	1 1/2	4	1410S02	1410R02	1410L02
.0485 - .0574	STB	3/8	.0469	1 1/2	4	1410S03	1410R03	1410L03
.0575 - .0654	STB	3/8	.0469	1 1/2	4	1410S04	1410R04	1410L04
.0655 - .0804	STB	1/2	.0625	2	4	1410S05	1410R05	1410L05
.0805 - .0964	STB	1/2	.0781	2	4	1410S06	1410R06	1410L06
.0965 - .1124	STB	5/8	.0938	2 1/4	4	1410S07	1410R07	1410L07
.1125 - .1284	STB	5/8	.1094	2 1/4	4	1410S08	1410R08	1410L08
.1285 - .1444	STB	3/4	.1250	2 1/2	4	1410S09	1410R09	1410L09
.1445 - .1594	STB	3/4	.1406	2 1/2	4	1410S10	1410R10	1410L10
.1595 - .1744	STB	7/8	.1562	2 3/4	4	1410S11	1410R11	1410L11
.1745 - .1914	STB	7/8	.1719	2 3/4	4	1410S12	1410R12	1410L12
.1915 - .2234	STB	1	.1875	3	6	1410S13	1410R13	1410L13
.2235 - .2544	STB	1	.2188	3	6	1410S14	1410R14	1410L14
.2545 - .2844	STB	1 1/8	.2500	3 1/4	6	1410S15	1410R15	1410L15
.2845 - .3164	STB	1 1/8	.2812	3 1/4	6	1410S16	1410R16	1410L16
.3165 - .3484	STB	1 1/4	.3125	3 1/2	6	1410S17	1410R17	1410L17
.3485 - .3794	STB	1 1/4	.3438	3 1/2	6	1410S18	1410R18	1410L18
.3795 - .4104	STB	1 1/2	.3750	4	6	1410S19	1410R19	1410L19
.4105 - .4414	STB	1 1/2	.4062	4	6	1410S20	1410R20	1410L20
.4415 - .4724	STB	1 1/2	.4375	4	6	1410S21	1410R21	1410L21
.4725 - .5054	STB	1 1/2	.4688	4	6	1410S22	1410R22	1410L22



VARY BY
DIAMETER
FLUTES

STB
STUB

UC
UNCOATED

I
IMPERIAL

- Titanium
- Super Alloys
- Hardened Steels
- Stainless Steels
- Steels
- Cast Iron
- Brass & Copper
- High Si Al
- Low Si Al
- Wood
- General Purpose

REAMERS

1450 JIT Decimal Size Reamers



JIT SERVICES 24-Hour Just in Time Delivery
3:00 PM EST Order Deadline
12 PIECES OR LESS All Styles

- Straight Flutes** For all types of general reaming applications.
- RH Spiral Flutes** For blind holes and abrasive, ductile materials. Do not use for holes with interruptions unless material is reasonably soft.
- LH Spiral Flutes** Produces better finishes on hard materials such as heat-treated steels. Shear action is excellent for holes with interruptions; i.e., keyways, elongated slots, etc.



Straight Flute Standard Sizes available in 1400 Series Standard
Available with Coatings at Tolerances as Low as .0001"
(Additional Charges May Apply)
Steel Shanks on items with Cutting Diameter .3485" and over
Female Centers
Speeds and Feeds, see fullertontool.com
45° Lead Angle

Due to temperatures reached in the coating process, Fullerton Tool cannot guarantee concentricity on reamers with Cutting Diameter .3485" and over.

Same Day Delivery If Ordered by 11AM EST Add 20% to Price

Tolerance:		
Shank Diameter:	+0.0005"	-0.0005"
	+0.013mm	-0.013mm
Cutting Diameter:		
Up to .2500"	+0.0002"	-0.0000"
Over .2501"	+0.0003"	-0.0000"
Up to 6.35mm	+0.005mm	-0.000mm
Over 6.351mm	+0.008mm	-0.000mm
	.0001" Tolerances Available (+20%)	



VARY BY
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REAMERS

1450 JIT Decimal Size Reamers

Size	Tool Length Style	Flute Length	Shank Diameter	Overall Length	Number of Flutes	Steel Shank	EDP Number		
							ST	RH	LH
.1105 - .1284	SD	7/8	.1094	3 1/2	4		1450S01	1450R01	1450L01
.1285 - .1444	SD	7/8	.1250	3 1/2	4		1450S02	1450R02	1450L02
.1445 - .1594	SD	1	.1406	4	4		1450S03	1450R03	1450L03
.1595 - .1744	SD	1	.1562	4	4		1450S04	1450R04	1450L04
.1745 - .1914	SD	1 1/8	.1719	4 1/2	4		1450S05	1450R05	1450L05
.1915 - .2234	SD	1 1/4	.1875	5	6		1450S06	1450R06	1450L06
.2235 - .2544	SD	1 1/2	.2188	6	6		1450S07	1450R07	1450L07
.2545 - .2844	SD	1 1/2	.2500	6	6		1450S08	1450R08	1450L08
.2845 - .3164	SD	1 5/8	.2812	6	6		1450S09	1450R09	1450L09
.3165 - .3484	SD	1 5/8	.3125	6	6		1450S10	1450R10	1450L10
.3485 - .3794	SD	1 3/4	.3438	7	6	✓	1450S11	1450R11	1450L11
.3795 - .4104	SD	1 3/4	.3750	7	6	✓	1450S12	1450R12	1450L12
.4105 - .4414	SD	1 3/4	.4062	7	6	✓	1450S13	1450R13	1450L13
.4415 - .4724	SD	1 3/4	.4375	8	6	✓	1450S14	1450R14	1450L14
.4725 - .5054	SD	1 3/4	.4688	8	6	✓	1450S15	1450R15	1450L15
.5055 - .5360	SD	1 7/8	.5000	9	6	✓	1450S16	1450R16	1450L16
.5361 - .5670	SD	1 7/8	.5000	9	6	✓	1450S16B	1450R16B	1450L16B
.5671 - .5990	SD	1 7/8	.5625	9	6	✓	1450S17	1450R17	1450L17
.5991 - .6300	SD	1 7/8	.5625	9	6	✓	1450S17B	1450R17B	1450L17B
.6301 - .6630	SD	2	.6250	9 1/2	6	✓	1450S18	1450R18	1450L18
.6631 - .6930	SD	2	.6250	9 1/2	6	✓	1450S18B	1450R18B	1450L18B
.6931 - .7250	SD	2	.6875	9 1/2	6	✓	1450S19	1450R19	1450L19
.7251 - .7560	SD	2	.6875	9 1/2	6	✓	1450S19B	1450R19B	1450L19B
.7561 - .7870	SD	2	.7500	10	8	✓	1450S20	1450R20	1450L20
.7871 - .8190	SD	2	.7812	10	8	✓	1450S21	1450R21	1450L21
.8191 - .8500	SD	2	.8125	10	8	✓	1450S22	1450R22	1450L22
.8501 - .8820	SD	2	.8438	10	8	✓	1450S23	1450R23	1450L23
.8821 - .9120	SD	2	.8750	10	8	✓	1450S24	1450R24	1450L24
.9121 - .9440	SD	2	.9062	10	8	✓	1450S25	1450R25	1450L25
.9441 - .9760	SD	2	.9375	10	8	✓	1450S26	1450R26	1450L26
.9761 - 1.0100	SD	2	.9688	10	8	✓	1450S27	1450R27	1450L27



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1400 General Purpose Reamers



Carbide Reamers

Manufactured Using Female and Male Centers for Improved Concentricity

Male Centers on items up to .1124" (2.86mm)

Speeds and Feeds, see fullertontool.com

Tolerance:

Shank Diameter:	+0.0005"	-0.0005"
	+0.013mm	-0.013mm

Cutting Diameter:

Up to .2500"	+0.0002"	-0.0000"
Over .2501"	+0.0003"	-0.0000"
Up to 6.35mm	+0.005mm	-0.000mm
Over 6.351mm	+0.008mm	-0.000mm

Due to temperatures reached in the coating process, Fullerton Tool cannot guarantee concentricity on reamers with Cutting Diameter .3485" and over.

Cutting Diameter	Tool Length Style	Flute Length	Shank Diameter	Overall Length	Number of Flutes	Steel Shank	EDP Number
							UC
Stub Length							
.0280	70	STB	3/8	.0280	1 1/2	4	14001
.0292	69	STB	3/8	.0292	1 1/2	4	14002
.0310	68	STB	3/8	.0310	1 1/2	4	14003
.0312	1/32	STB	3/8	.0312	1 1/2	4	14004
.0320	67	STB	3/8	.0312	1 1/2	4	14005
.0330	66	STB	3/8	.0312	1 1/2	4	14006
.0350	65	STB	3/8	.0312	1 1/2	4	14007
.0360	64	STB	3/8	.0312	1 1/2	4	14008
.0370	63	STB	3/8	.0312	1 1/2	4	14009
.0380	62	STB	3/8	.0312	1 1/2	4	14010
.0390	61	STB	3/8	.0312	1 1/2	4	14011
.0400	60	STB	3/8	.0312	1 1/2	4	14013
.0410	59	STB	3/8	.0312	1 1/2	4	14014
.0420	58	STB	3/8	.0312	1 1/2	4	14015
.0430	57	STB	3/8	.0312	1 1/2	4	14016
.0465	56	STB	3/8	.0312	1 1/2	4	14017
.0469	3/64	STB	3/8	.0312	1 1/2	4	14018
.0520	55	STB	3/8	.0469	1 1/2	4	14019
.0550	54	STB	3/8	.0469	1 1/2	4	14020
.0595	53	STB	3/8	.0469	1 1/2	4	14023
.0625	1/16	STB	3/8	.0469	1 1/2	4	14024
.0635	52	STB	3/8	.0469	1 1/2	4	14025
.0670	51	STB	1/2	.0625	2	4	14026
.0700	50	STB	1/2	.0625	2	4	14027
.0730	49	STB	1/2	.0625	2	4	14028
.0760	48	STB	1/2	.0625	2	4	14029
.0781	5/64	STB	1/2	.0625	2	4	14030
.0785	47	STB	1/2	.0625	2	4	14031
.0810	46	STB	1/2	.0781	2	4	14033

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1400 General Purpose Reamers



Cutting Diameter		Tool Length Style	Flute Length	Shank Diameter	Overall Length	Number of Flutes	Steel Shank	EDP Number
								UC
.0820	45	STB	1/2	.0781	2	4		14034
.0860	44	STB	1/2	.0781	2	4		14035
.0890	43	STB	1/2	.0781	2	4		14036
.0935	42	STB	1/2	.0781	2	4		14037
.0938	3/32	STB	1/2	.0781	2	4		14038
.0960	41	STB	1/2	.0781	2	4		14039
.0980	40	STB	5/8	.0938	2 1/4	4		14040
.0995	39	STB	5/8	.0938	2 1/4	4		14042
.1015	38	STB	5/8	.0938	2 1/4	4		14043
.1040	37	STB	5/8	.0938	2 1/4	4		14044
.1065	36	STB	5/8	.0938	2 1/4	4		14045
.1094	7/64	STB	5/8	.0938	2 1/4	4		14046
.1100	35	STB	5/8	.0938	2 1/4	4		14047
.1110	34	STB	5/8	.0938	2 1/4	4		14048
.1130	33	STB	5/8	.1094	2 1/4	4		14049
.1160	32	STB	5/8	.1094	2 1/4	4		14050
.1200	31	STB	5/8	.1094	2 1/4	4		14052
.1240		STB	5/8	.1094	2 1/4	4		14150
.1245		STB	5/8	.1094	2 1/4	4		14151
.1250	1/8	STB	5/8	.1094	2 1/4	4		14053
.1255		STB	5/8	.1094	2 1/4	4		14153
.1260		STB	5/8	.1094	2 1/4	4		14154
.1285	30	STB	3/4	.1250	2 1/2	4		14054
.1360	29	STB	3/4	.1250	2 1/2	4		14055
.1405	28	STB	3/4	.1250	2 1/2	4		14057
.1406	9/64	STB	3/4	.1250	2 1/2	4		14058
.1440	27	STB	3/4	.1250	2 1/2	4		14059
.1470	26	STB	3/4	.1406	2 1/2	4		14060
.1495	25	STB	3/4	.1406	2 1/2	4		14061
.1520	24	STB	3/4	.1406	2 1/2	4		14062
.1540	23	STB	3/4	.1406	2 1/2	4		14063
.1562	5/32	STB	3/4	.1406	2 1/2	4		14064
.1570	22	STB	3/4	.1406	2 1/2	4		14065
.1590	21	STB	3/4	.1406	2 1/2	4		14067
.1610	20	STB	7/8	.1562	2 3/4	4		14068
.1660	19	STB	7/8	.1562	2 3/4	4		14069
.1695	18	STB	7/8	.1562	2 3/4	4		14070
.1719	11/64	STB	7/8	.1562	2 3/4	4		14071
.1730	17	STB	7/8	.1562	2 3/4	4		14072
.1770	16	STB	7/8	.1719	2 3/4	4		14073
.1800	15	STB	7/8	.1719	2 3/4	4		14075
.1820	14	STB	7/8	.1719	2 3/4	4		14076
.1850	13	STB	7/8	.1719	2 3/4	4		14077
.1865		STB	7/8	.1719	2 3/4	4		14155
.1870		STB	7/8	.1719	2 3/4	4		14156



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1400 General Purpose Reamers

Cutting Diameter		Tool Length Style	Flute Length	Shank Diameter	Overall Length	Number of Flutes	Steel Shank	EDP Number
								UC
.1872		STB	7/8	.1719	2 3/4	4		14157
.1875	3/16	STB	7/8	.1719	2 3/4	4		14078
.1880		STB	7/8	.1719	2 3/4	4		14158
.1885		STB	7/8	.1719	2 3/4	4		14159
.1890	12	STB	7/8	.1719	2 3/4	4		14079
.1910	11	STB	7/8	.1719	2 3/4	4		14080
.1935	10	STB	1	.1875	3	6		14081
.1960	9	STB	1	.1875	3	6		14082
.1990	8	STB	1	.1875	3	6		14084
.2010	7	STB	1	.1875	3	6		14085
.2031	13/64	STB	1	.1875	3	6		14086
.2040	6	STB	1	.1875	3	6		14087
.2055	5	STB	1	.1875	3	6		14088
.2090	4	STB	1	.1875	3	6		14089
.2130	3	STB	1	.1875	3	6		14090
.2188	7/32	STB	1	.1875	3	6		14092
.2210	2	STB	1	.1875	3	6		14093
.2280	1	STB	1	.2188	3	6		14094
.2344	15/64	STB	1	.2188	3	6		14096
.2490		STB	1	.2188	3	6		14160
.2495		STB	1	.2188	3	6		14161
.2497		STB	1	.2188	3	6		14162
.2500	1/4	STB	1	.2188	3	6		14098
.2505		STB	1	.2188	3	6		14163
.2510		STB	1	.2188	3	6		14164
.2656	17/64	STB	1 1/8	.2500	3 1/4	6		14100
.2812	9/32	STB	1 1/8	.2500	3 1/4	6		14102
.2969	19/64	STB	1 1/8	.2812	3 1/4	6		14104
.3115		STB	1 1/8	.2812	3 1/4	6		14165
.3120		STB	1 1/8	.2812	3 1/4	6		14166
.3125	5/16	STB	1 1/8	.2812	3 1/4	6		14105
.3130		STB	1 1/8	.2812	3 1/4	6		14167
.3135		STB	1 1/8	.2812	3 1/4	6		14168
.3281	21/64	STB	1 1/4	.3125	3 1/2	6		14107
.3438	11/32	STB	1 1/4	.3125	3 1/2	6		14109
.3594	23/64	STB	1 1/4	.3438	3 1/2	6		14111
.3740		STB	1 1/4	.3438	3 1/2	6		14169
.3745		STB	1 1/4	.3438	3 1/2	6		14170
.3750	3/8	STB	1 1/4	.3438	3 1/2	6		14113
.3755		STB	1 1/4	.3438	3 1/2	6		14171
.3760		STB	1 1/4	.3438	3 1/2	6		14172
.3906	25/64	STB	1 1/2	.3750	4	6		14114
.4062	13/32	STB	1 1/2	.3750	4	6		14116
.4219	27/64	STB	1 1/2	.4062	4	6		14118
.4365		STB	1 1/2	.4062	4	6		14173
.4370		STB	1 1/2	.4062	4	6		14180
.4375	7/16	STB	1 1/2	.4062	4	6		14120
.4380		STB	1 1/2	.4062	4	6		14181
.4385		STB	1 1/2	.4062	4	6		14174
.4531	29/64	STB	1 1/2	.4375	4	6		14122
.4688	15/32	STB	1 1/2	.4375	4	6		14123
.4844	31/64	STB	1 1/2	.4688	4	6		14125
.4990		STB	1 1/2	.4688	4	6		14175

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1400 General Purpose Reamers



Cutting Diameter		Tool Length Style	Flute Length	Shank Diameter	Overall Length	Number of Flutes	Steel Shank	EDP Number
								UC
.4995		STB	1 1/2	.4688	4	6		14182
.5000	1/2	STB	1 1/2	.4688	4	6		14127
.5005		STB	1 1/2	.4688	4	6		14183
.5010		STB	1 1/2	.4688	4	6		14176
Standard Length								
.1250	1/8	SD	7/8	.1094	3 1/2	4		14511
.1406	9/64	SD	7/8	.1250	3 1/2	4		14512
.1562	5/32	SD	1	.1406	4	4		14513
.1719	11/64	SD	1	.1562	4	4		14514
.1875	3/16	SD	1 1/4	.1719	4 1/2	4		14515
.2031	13/64	SD	1 1/4	.1875	5	6		14516
.2188	7/32	SD	1 1/4	.1875	5	6		14517
.2344	15/64	SD	1 1/4	.2188	6	6		14518
.2500	1/4	SD	1 1/2	.2188	6	6		14519
.2656	17/64	SD	1 1/2	.2500	6	6		14520
.2812	9/32	SD	1 1/2	.2500	6	6		14521
.2969	19/64	SD	1 5/8	.2812	6	6		14522
.3125	5/16	SD	1 5/8	.2812	6	6		14523
.3281	21/54	SD	1 5/8	.3125	6	6		14524
.3438	11/32	SD	1 5/8	.3125	6	6		14525
.3594	23/64	SD	1 3/4	.3438	7	6	✓	14526
.3750	3/8	SD	1 3/4	.3438	7	6	✓	14527
.3906	25/64	SD	1 3/4	.3750	7	6	✓	14528
.4062	13/32	SD	1 3/4	.3750	7	6	✓	14529
.4219	27/64	SD	1 3/4	.4062	7	6	✓	14530
.4375	7/16	SD	1 3/4	.4062	7	6	✓	14531
.4531	29/64	SD	1 3/4	.4375	8	6	✓	14532
.4688	15/32	SD	1 3/4	.4375	8	6	✓	14533
.4844	31/64	SD	1 3/4	.4688	8	6	✓	14534
.5000	1/2	SD	1 3/4	.4688	8	6	✓	14535
.5625	9/16	SD	1 7/8	.5000	9	6	✓	14536
.6250	5/8	SD	1 7/8	.5625	9	6	✓	14537
.6875	11/16	SD	2	.6250	9 1/2	6	✓	14538
.7500	3/4	SD	2	.6875	9 1/2	6	✓	14539
.8750	7/8	SD	2	.8438	10	8	✓	14540
1.0000	1	SD	2	.9688	10	8	✓	14541
Metric Stub Length								
1.00		STB	10.00	0.79	38.00	4		14012
1.50		STB	10.00	1.19	38.00	4		14022
2.00		STB	12.00	1.59	50.00	4		14032
2.50		STB	16.00	2.38	57.00	4		14041
3.00		STB	16.00	2.78	57.00	4		14051
3.50		STB	20.00	3.18	63.00	4		14056



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1400 General Purpose Reamers

Cutting Diameter	Tool Length Style	Flute Length	Shank Diameter	Overall Length	Number of Flutes	Steel Shank	EDP Number
							UC
4.00	STB	20.00	3.57	63.00	4		14066
4.50	STB	22.00	4.37	70.00	4		14074
5.00	STB	25.00	4.76	76.00	6		14083
5.50	STB	25.00	4.76	76.00	6		14091
6.00	STB	25.00	5.56	76.00	6		14097
6.50	STB	28.00	6.35	83.00	6		14099
7.00	STB	28.00	6.35	83.00	6		14101
7.50	STB	28.00	7.14	83.00	6		14103
8.00	STB	28.00	7.14	83.00	6		14106
8.50	STB	32.00	7.94	89.00	6		14108
9.00	STB	32.00	8.73	89.00	6		14110
9.50	STB	32.00	8.73	89.00	6		14112
10.00	STB	38.00	9.53	101.00	6		14115
10.50	STB	38.00	10.32	101.00	6		14117
11.00	STB	38.00	10.32	101.00	6		14119
11.50	STB	38.00	11.11	101.00	6		14121
12.00	STB	38.00	11.11	101.00	6		14124
12.50	STB	38.00	11.91	101.00	6		14126



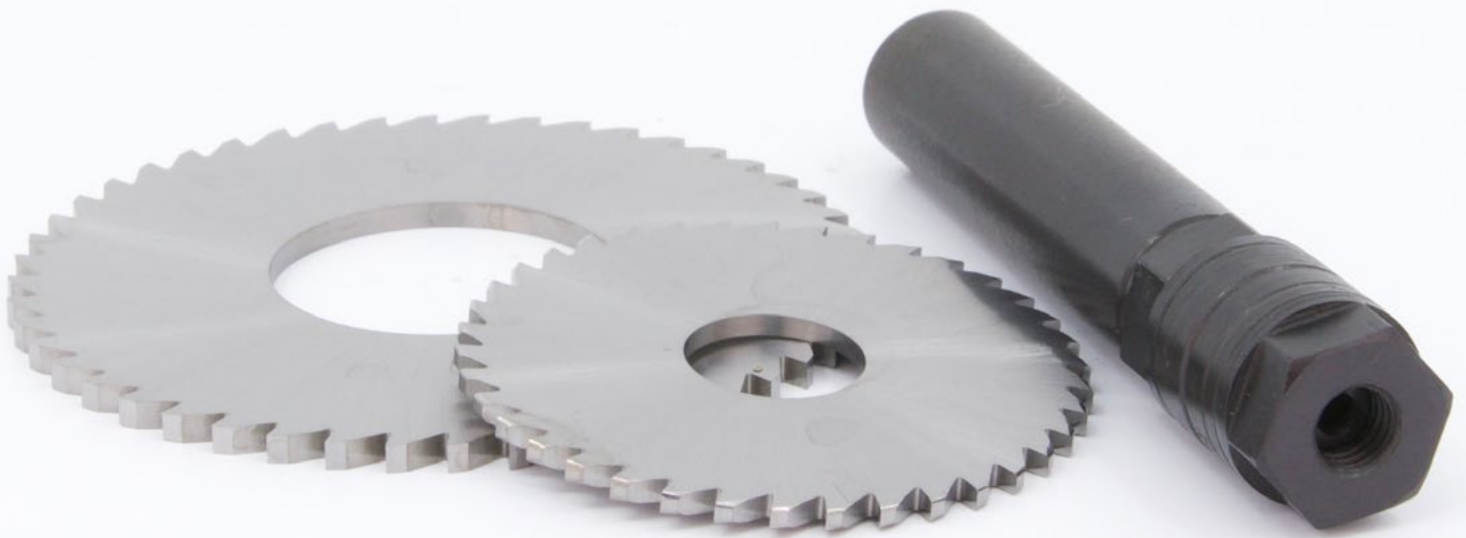
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SAWS

2450 JIT Saw
SA Saw Arbor

2450 JIT Solid Carbide Saws



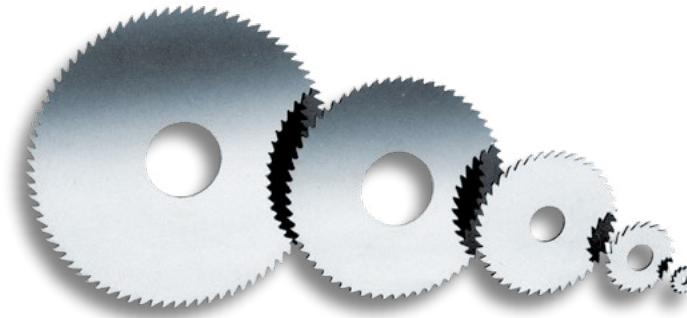
3:00 PM EST
Order Deadline

JIT
SERVICES

24-Hour
Just in Time
Delivery

12

PIECES
OR LESS



1/4" - 3"

1-12 pieces, 24- Hours
13-25 pieces, 48-Hours
26-49 pieces, 5 Working Days
50+ pieces, Contact Fullerton Tool

> 3"

1-6 pieces, 24- Hours
7-12 pieces, 48-Hours
13-25 pieces, 5 Working Days
26-49 pieces, 10 Working Days
50+ pieces, Contact Fullerton Tool

Same Day Delivery If Ordered by 11AM EST Add 20% to Price

1/4 - 6" Outside Diameters (OD) Available

1/8 - 1" Inside Diameter Available Depending on OD Size

.0060 - .2500" Thickness Available Depending on OD Size

.0005" Concavity per Inch of Diameter for Clearance

Speeds and Feeds, see fullertontool.com

Tolerance:

Cutting Diameter: +.015" -.015"

Hole Diameter: +.0005" -.0000"

Thickness: +.00025" -.00025"

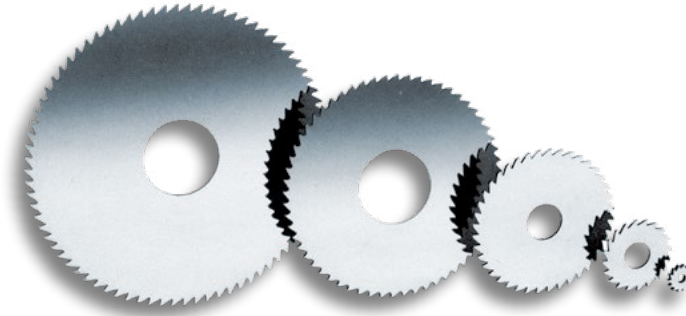
Cutter Diameter	Size Range	Arbor Hole Diameter	Number of Teeth	EDP Number	
				UC	
1/4	.0100 - .0350	1/8	12	2450001	
5/16	.0100 - .0350	1/8	12	2450002	
3/8	.0060 - .0259	1/8	14	2450003	
	.0260 - .0630	1/8	14	2450004	
1/2	.0060 - .0349	3/16	14	2450005	
	.0350 - .0630	3/16	14	2450006	
5/8	.0060 - .0149	1/4	16	2450007	
	.0150 - .0409	1/4	16	2450008	
	.0410 - .0630	1/4	16	2450009	
3/4	.0060 - .0149	1/4	18	2450010	
	.0150 - .0409	1/4	18	2450011	
	.0410 - .0639	1/4	18	2450012	
	.0640 - .0949	1/4	18	2450013	
1	.0950 - .1300	1/4	18	2450014	
	.0100 - .0199	1/4	20	2450015	
	.0200 - .0409	1/4	20	2450018	
	.0410 - .0639	1/4	20	2450021	

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SAWS

2450 JIT Solid Carbide Saws



Cutter Diameter	Size Range	Arbor Hole Diameter	Number of Teeth	EDP Number
				UC
1	.0640 - .0949	1/4	20	2450024
	.0950 - .1300	1/4	20	2450027
	.0100 - .0199	5/16	20	2450016
	.0200 - .0409	5/16	20	2450019
	.0410 - .0639	5/16	20	2450022
	.0640 - .0949	5/16	20	2450025
	.0950 - .1300	5/16	20	2450028
	.0100 - .0199	3/8	20	2450017
	.0200 - .0409	3/8	20	2450020
	.0410 - .0639	3/8	20	2450023
	.0640 - .0949	3/8	20	2450026
	.0950 - .1300	3/8	20	2450029
	.0100 - .0199	5/16	24	2450031
	.0200 - .0459	5/16	24	2450034
1 1/4	.0460 - .0639	5/16	24	2450037
	.0640 - .0949	5/16	24	2450040
	.0950 - .1300	5/16	24	2450043
	.0100 - .0199	3/8	24	2450030
	.0200 - .0459	3/8	24	2450033
	.0460 - .0639	3/8	24	2450036
	.0640 - .0949	3/8	24	2450039
	.0950 - .1300	3/8	24	2450042
	.0100 - .0199	1/2	24	2450032
	.0200 - .0459	1/2	24	2450035
	.0460 - .0639	1/2	24	2450038
	.0640 - .0949	1/2	24	2450041
	.0950 - .1300	1/2	24	2450044
	.0100 - .0199	1/2	36	2450045
1 1/2	.0200 - .0459	1/2	36	2450046
	.0460 - .0639	1/2	36	2450047
	.0640 - .0949	1/2	36	2450048
	.0950 - .1300	1/2	36	2450049
	.0100 - .0199	1/2	38	2450050
1 3/4	.0200 - .0459	1/2	38	2450051
	.0460 - .0639	1/2	38	2450052
	.0640 - .0949	1/2	38	2450053
	.0950 - .1300	1/2	38	2450054
2	.0100 - .0199	1/2	40	2450055
	.0200 - .0459	1/2	40	2450057
	.0460 - .0639	1/2	40	2450059
	.0640 - .0949	1/2	40	2450061
	.0950 - .1300	1/2	40	2450063
	.0100 - .0199	1	40	2450056
	.0200 - .0459	1	40	2450058
	.0460 - .0639	1	40	2450060

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2450 JIT Solid Carbide Saws

Cutter Diameter	Size Range	Arbor Hole Diameter	Number of Teeth	EDP Number
				UC
2	.0640 - .0949	1	40	2450062
	.0950 - .1300	1	40	2450064
2 1/4	.0100 - .0199	5/8	44	2450065
	.0200 - .0459	5/8	44	2450067
	.0460 - .0639	5/8	44	2450069
	.0640 - .0949	5/8	44	2450071
	.0950 - .1300	5/8	44	2450073
	.0100 - .0199	1	44	2450066
	.0200 - .0459	1	44	2450068
	.0460 - .0639	1	44	2450070
	.0640 - .0949	1	44	2450072
	.0950 - .1300	1	44	2450074
2 1/2	.0100 - .0199	1	48	2450075
	.0200 - .0459	1	48	2450076
	.0460 - .0639	1	48	2450077
	.0640 - .0949	1	48	2450078
2 3/4	.0950 - .1300	1	48	2450079
	.0100 - .0199	1	60	2450080
	.0200 - .0459	1	60	2450081
	.0460 - .0649	1	60	2450082
	.0650 - .0949	1	60	2450083
3	.0950 - .1300	1	60	2450084
	.0100 - .0199	1	72	2450085
	.0200 - .0459	1	72	2450086
	.0460 - .0649	1	72	2450087
	.0650 - .0949	1	72	2450088
	.0950 - .1300	1	72	2450089
	.1301 - .1889	1	72	2450090
3 1/2	.1890 - .2500	1	72	2450091
	.0200 - .0399	1	76	2450092
	.0400 - .0649	1	76	2450093
	.0650 - .0949	1	76	2450094
4	.0950 - .1300	1	76	2450095
	.0200 - .0399	1	80	2450096
	.0400 - .0639	1	80	2450097
	.0640 - .0949	1	80	2450098
	.0950 - .1300	1	80	2450099
	.1301 - .1889	1	80	2450100
	.1890 - .2500	1	80	2450101
5	.0450 - .0639	1	100	2450102
	.0640 - .0949	1	100	2450103
	.0950 - .1300	1	100	2450104
6	.0450 - .0639	1	120	2450105
	.0640 - .0949	1	120	2450106
	.0950 - .1300	1	120	2450107

UC

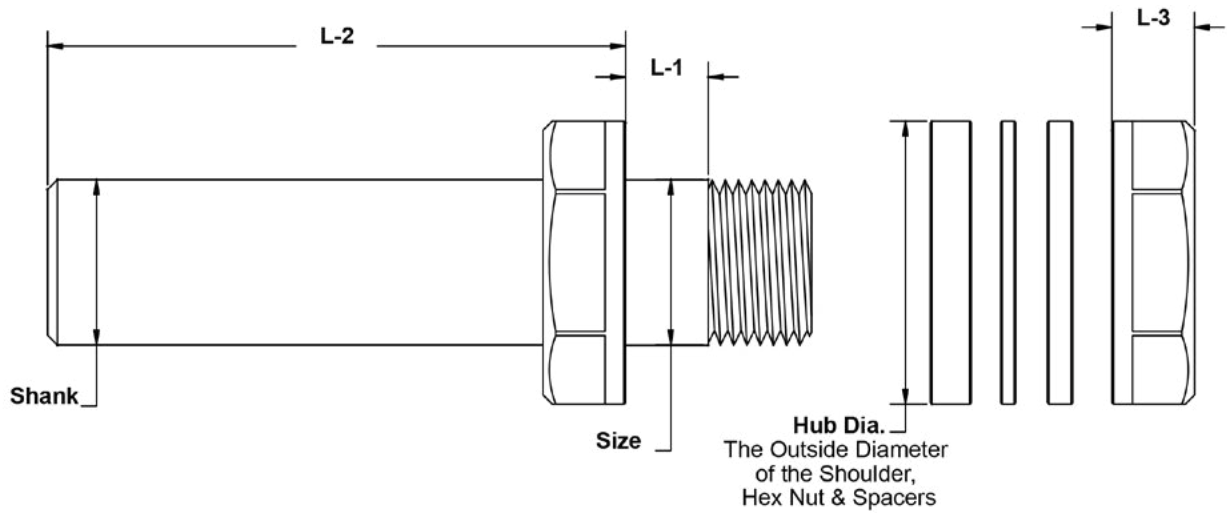
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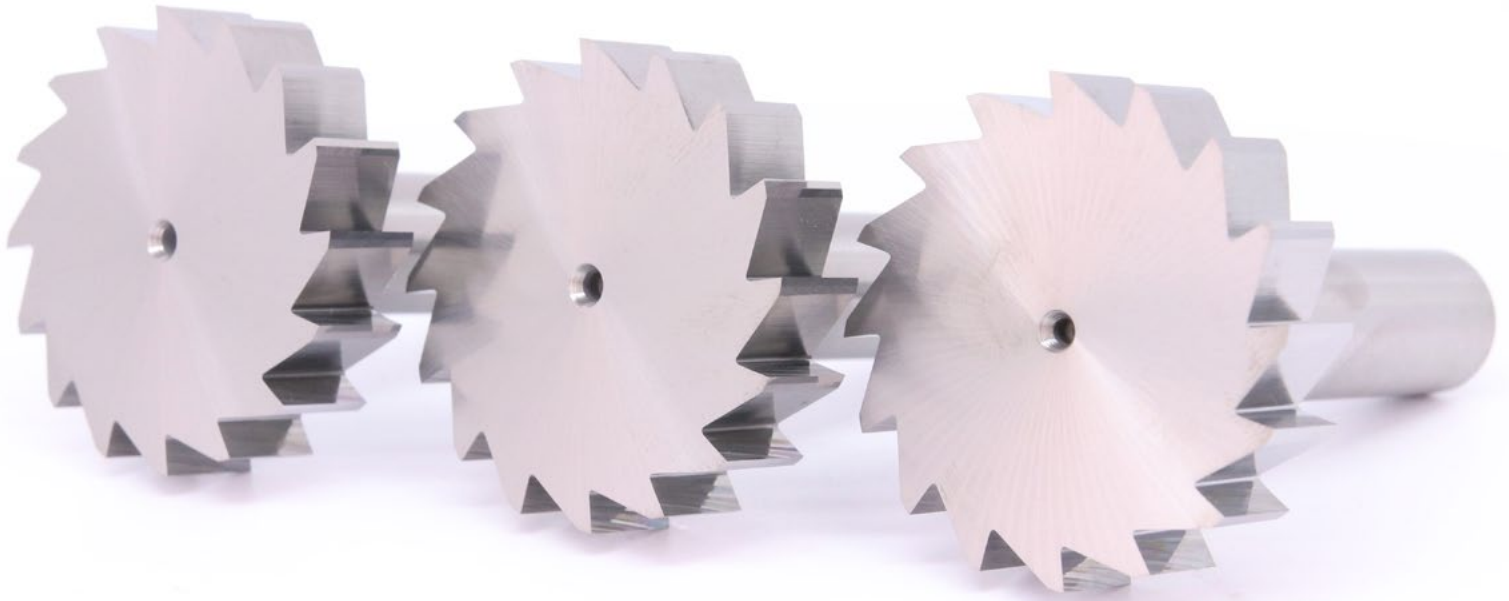
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Saw Arbors

For Carbide or High Speed Steel Saws



Decimal Arbor Size	Shank Size	L-1	L-2	L-3	Hub Diameter	Spacers with Each Arbor	EDP Number
1/4	1/2	.2600	2.2000	.2500	.5700	.0625 / .1250 / .1875	24250
3/8	5/8	.3750	2.4000	.2800	.7100	.0625 / .1250 / .1875	24375
1/2	3/4	.5000	3.0000	.3250	.8550	.0625 / .1875 / .2500	24500
5/8	7/8	.5000	3.1500	.3900	1.0750	.0625 / .1875 / .2500	24625
1	1/2	.5000	.4400	.4400	1.4800	.0625 / .1875 / .2500	24100



KEYSEAT CUTTERS

4375 - Keyseat Cutter

4375E - JIT Keyseat Cutter

KEYSEAT CUTTERS

4375



Straight Flutes
 1/2" Diameter Steel Shank
 1 1/8" - 1 1/2" Cutter Diameter are Solid Carbide
 Dura Carb III
 Speeds and Feeds, see fullertontool.com

Tolerance:
 1/2" Diameter Shank: +.0000" -.0005"
 +.0mm -.013mm

Cutting Head Diameter:
 3/8" - 3/4" DIA +.010" -.015"
 7/8" - 1 1/2" DIA +.012" -.017"

Face Width: +.0000" -.0005"
 Neck Length: 1/4"

Cutting Diameter	American Standards Number	Face Width	Neck Diameter	Shank Diameter	Overall Length	Number of Flutes	Solid Carbide Shank	EDP Number
								UC
3/8		1/32	.2030	1/2	2 1/32	8		43900
		3/64	.2030	1/2	2 3/64	8		43901
	203	1/16	.2030	1/2	2 1/16	8		43302
	303	3/32	.2030	1/2	2 3/32	8		43303
	403	1/8	.2030	1/2	2 1/8	8		43403
1/2		1/32	.2500	1/2	2 1/32	10		43902
		3/64	.2500	1/2	2 3/64	10		43903
	204	1/16	.2500	1/2	2 1/16	10		43240
		5/64	.2500	1/2	2 5/64	10		43904
	304	3/32	.2500	1/2	2 3/32	10		43304
		7/64	0.2500	1/2	2 7/64	10		43905
	404	1/8	.2500	1/2	2 1/8	10		43404
5/8		1/32	.2810	1/2	2 1/32	10		43906
		3/64	.2810	1/2	2 3/64	10		43907
		1/16	.2810	1/2	2 1/16	10		43908
		5/64	.2810	1/2	2 5/64	10		43909
	305	3/32	.2810	1/2	2 3/32	10		43305
		7/64	.2810	1/2	2 7/64	10		43910
	405	1/8	.2810	1/2	2 1/8	10		43405
		9/64	.2810	1/2	2 9/64	10		43911
	505	5/32	.2810	1/2	2 5/32	10		43505
	605	3/16	.2810	1/2	2 3/16	10		43605
		1/32	.2810	1/2	2 1/32	10		43912
3/4		3/64	.2810	1/2	2 3/64	10		43913
		1/16	.2810	1/2	2 1/16	10		43914
		5/64	.2810	1/2	2 5/64	10		43915
		3/32	.2810	1/2	2 3/32	10		43916
		7/64	.2810	1/2	2 7/64	10		43917
	406	1/8	.2810	1/2	2 1/8	10		43406
		9/64	.2810	1/2	2 9/64	10		43918
	506	5/32	.2810	1/2	2 5/32	10		43506
	606	3/16	.2810	1/2	2 3/16	10		43606

VARY BY DIAMETER

FLUTES

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KEYSEAT CUTTERS

4375

Cutting Diameter	American Standards Number	Face Width	Neck Diameter	Shank Diameter	Overall Length	Number of Flutes	Solid Carbide Shank	EDP Number
								UC
3/4		13/64	.2810	1/2	2 13/64	10		43919
		7/32	.2810	1/2	2 7/32	10		43920
		15/64	.2810	1/2	2 15/64	10		43921
	806	1/4	.2810	1/2	2 1/4	10		43806
7/8		1/16	.2810	1/2	2 1/16	12		43922
		1/8	.2810	1/2	2 1/8	12		43923
	507	5/32	.2810	1/2	2 5/32	12		43507
	607	3/16	.2810	1/2	2 3/16	12		43607
	707	7/32	.2810	1/2	2 7/32	12		43707
	807	1/4	.2810	1/2	2 1/4	12		43807
1		1/32	.2810	1/2	2 1/32	12		43924
		3/64	.2810	1/2	2 3/64	12		43925
		1/16	.2810	1/2	2 1/16	12		43926
		5/64	.2810	1/2	2 5/64	12		43927
		3/32	.2810	1/2	2 3/32	12		43928
		1/8	.2810	1/2	2 1/8	12		43929
		5/32	.2810	1/2	2 5/32	12		43930
	608	3/16	.2810	1/2	2 3/16	12		43608
	708	7/32	.2810	1/2	2 7/32	12		43708
	808	1/4	.2810	1/2	2 1/4	12		43808
1 1/8		1/8	.2810	1/2	2 1/8	14	✓	43931
	609	3/16	.2810	1/2	2 3/16	14	✓	43609
	709	7/32	.2810	1/2	2 7/32	14	✓	43709
	809	1/4	.2810	1/2	2 1/4	14	✓	43809
1 1/4		1/32	.2810	1/2	2 1/32	14	✓	43932
		1/16	.2810	1/2	2 1/16	14	✓	43933
		3/32	.2810	1/2	2 3/32	14	✓	43934
		1/8	.2810	1/2	2 1/8	14	✓	43935
		5/32	.2810	1/2	2 5/32	14	✓	43936
	610	3/16	.2810	1/2	2 3/16	14	✓	43610
	710	7/32	.2810	1/2	2 7/32	14	✓	43710
	810	1/4	.2810	1/2	2 1/4	14	✓	43810
1 1/2		1/32	.3750	1/2	2 1/32	16	✓	43937
		1/16	.3750	1/2	2 1/16	16	✓	43938
		3/32	.3750	1/2	2 3/32	16	✓	43939
		1/8	.3750	1/2	2 1/8	16	✓	43940
		3/16	.3750	1/2	2 3/16	16	✓	43941
	812	1/4	.3750	1/2	2 1/4	16	✓	43812
	1012	5/16	.3750	1/2	2 5/16	16	✓	43000
	1212	3/8	.3750	1/2	2 3/8	16	✓	43212



VARY BY DIAMETER
FLUTES

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4375E JIT Keyseat Cutters

JIT SERVICES

24-Hour Just in Time Delivery

12

PIECES OR LESS

Must be thinner than Standard Face Widths

Add the following costs to the list price.

1	2	3	4-7	8-11	12-15	16+
32.50	16.00	14.00	10.50	7.00	4.00	N/C





BURRS

1/4" Shank Burrs
1/8" Shank Burrs
3/16" Shank Burrs

3mm Shank Burrs
6mm Shank Burrs
Rotary File Sets

BURR/ROTARY FILES

WHEN ORDERING, SPECIFY TOOL # OR EDP # AND SPECIFIC CUT REQUIRED

Single Cut #1



Single cut is a general purpose tool designed for cast iron, steel, some copper and brass, and other ferrous materials. It will give good material removal and good workpiece finish.

Chip Breaker Cut #2



The addition of a chip breaker will reduce sliver size and improve operator control at a slightly reduced surface finish.

Available on Quote Only

Double Cut #3



The double cut allows for rapid stock removal in harder materials. The addition of the left hand flutes reduces the pulling action, which allows for better operator control. It reduces the size of the chips, and it can be used at slower than normal speeds.

Diamond Cut #4



The diamond cut is very effective in heat treated and tough alloy steels, producing extremely small chips. It offers very good operator control with good stock removal at the sacrifice of finish. The diamond grind will reduce tool life, however.

Available on all Burrs - Add 20% to List Price of #1 Cut

Fast Mill Cut #5



For use on non-ferrous and non-metallic materials. It is designed for rapid stock removal with minimum chip loading.

Standard items listed on pages 188-194

NOTE: CHIP BREAKER, COARSE, AND FINE CUTS ARE ONLY AVAILABLE ON QUOTE

Recommendations:

For maximum control and to prevent whipping and chatter, insert the shank into the chuck as far as possible.

Avoid excessive pressure, which slows the spindle speed and damages the cutting edge. Avoid operating the burr beyond normal resharping, otherwise resultant heat and pressure will cause excessive chipping and possible braze failure.

Metric Sized Shanks

All burrs on page 188-194 with a head diameter of 5/16" or larger, with the exception of extended shanks, are available with a 6mm diameter shank. They will retain standard fractional cutting diameters and cutting length.

Add \$2.50 to the list price.

BURRS/ROTARY FILES

Burr SA/SB 1/4" Shank Diameter

SA

Cylindrical



Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/8	5/8	2	SA-12	41007	41009	
3/16	5/8	2	SA-14	41014	41016	
1/4	5/8	2	SA-1	41000	41002	41004
	1	2	SA-1A	41035	41037	
5/16	3/4	2 1/2	SA-2	41049	41051	
	3/4	2 1/2	SA-3	41063	41065	41067
3/8	1	2 3/4	SA-3A	41070	41072	
	1 1/2	3 1/4	SA-3B	41077	41079	
7/16	1	2 3/4	SA-4	41091	41093	
1/2	1	2 3/4	SA-5	41098	41100	41102
5/8	1	2 3/4	SA-6	41112	41114	41116
	1/2	2 1/2	SA-15	41021	41023	
3/4	3/4	2 1/2	SA-16	41028	41030	
	1	2 3/4	SA-7	41119	41121	41123
1	1	2 3/4	SA-9	41126	41128	
Extended Shank						
1/4	1/2	6 1/2	SA-1X6	41042	41044	
3/8	3/4	6 3/4	SA-3X6	41084	41086	
1/2	1	7	SA-5X6	41105	41107	

SB

Cylindrical End Cut



Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/8	5/8	2	SB-12	40100	40102	
3/16	5/8	2	SB-14	40107	40109	
1/4	5/8	2	SB-1	40142	40144	40104
	1	2	SB-1A	40135	40137	
5/16	3/4	2 1/2	SB-2	40149	40151	
	1	2 3/4	SB-2A	40156	40158	
3/8	3/4	2 1/2	SB-3	40163	40165	40167
	1	2 3/4	SB-3A	40170	40172	
7/16	1 1/2	3 1/4	SB-3B	40177	40179	
	1	2 3/4	SB-4	40191	40193	
1/2	1	2 3/4	SB-5	40198	40200	40202
5/8	1	2 3/4	SB-6	40212	40214	40216
	1/2	2 1/2	SB-15	40121	40123	
3/4	3/4	2 1/2	SB-16	40128	40130	
	1	2 3/4	SB-7	40219	40221	40223
1	1	2 3/4	SB-9	40226	40228	
Extended Shank						
1/4	1/2	6 1/2	SB-1X6	40114	40116	
3/8	3/4	6 3/4	SB-3X6	40184	40186	
1/2	1	7	SB-5X6	40205	40207	

All above Burrs available with #4 Diamond Cut. Add 20% to list price of #1 Cut.
All Burrs 5/16" diameter and larger furnished with 1/4" x 1 3/4" steel shanks.

Metric Sized Shanks

All burrs on page 188-194 with a head diameter of 5/16" or larger, with the exception of extended shanks, are available with a 6mm diameter shank. They will retain standard fractional cutting diameters and cutting length.

Add \$2.50 to the list price.

BURR/ROTARY FILES

Burr SC/SD
1/4" Shank Diameter

SC



Cylindrical Ball Nose

Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/8	5/8	2	SC-12	42132	42134	
3/16	5/8	2	SC-14	42139	42141	
1/4	5/8	2	SC-1	42125	42127	42129
	1	2	SC-1A	42146	42148	
5/16	3/4	2 1/2	SC-2	42160	42162	
	1	2 3/4	SC-2A	42189	42191	
3/8	3/4	2 1/2	SC-3	42197	42199	42201
	1	2 3/4	SC-3A	42204	42206	
	1 1/2	3 1/4	SC-3B	42211	42213	
7/16	1	2 3/4	SC-4	42225	42227	
1/2	1	2 3/4	SC-5	42232	42234	42236
5/8	1	2 3/4	SC-6	42171	42173	42175
3/4	1	2 3/4	SC-7	42178	42180	42182
Extended Shank						
1/4	1/2	6 1/2	SC-1X6	42153	42155	
3/8	3/4	6 3/4	SC-3X6	42218	42220	
1/2	1	7	SC-5X6	42164	42166	

SD



Ball Shape

Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/8	1/8	2	SD-12	43132	43134	
3/16	3/16	2	SD-14	43139	43141	
1/4	1/4	2	SD-1	43125	43127	43129
5/16	5/16	2 1/4	SD-2	43153	43155	
3/8	3/8	2 1/8	SD-3	43160	43162	43164
7/16	7/16	2 1/8	SD-4	43174	43176	
1/2	1/2	2 1/4	SD-5	43181	43183	43185
5/8	5/8	2 1/4	SD-6	43195	43197	43199
3/4	3/4	2 1/2	SD-7	43202	43204	
1	1	2 3/4	SD-9	43100	43102	
Extended Shank						
1/4	1/4	6 1/4	SD-1X6	43146	43148	
3/8	3/8	6 3/8	SD-3X6	43167	43169	
1/2	1/2	6 1/2	SD-5X6	43188	43190	

All above Burrs available with #4 Diamond Cut. Add 20% to list price of #1 Cut.
All Burrs 5/16" diameter and larger furnished with 1/4" x 1 3/4" steel shanks.

Metric Sized Shanks

All burrs on page 188-194 with a head diameter of 5/16" or larger, with the exception of extended shanks, are available with a 6mm diameter shank. They will retain standard fractional cutting diameters and cutting length.

Add \$2.50 to the list price.

BURRS/ROTARY FILES

Burr SE/SF 1/4" Shank Diameter

SE



Egg Shape

Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
3/16	5/16	2	SE-11	44194	44196	
1/4	3/8	2	SE-1	44187	44189	44191
3/8	5/8	2 3/8	SE-3	44208	44210	44212
1/2	7/8	2 5/8	SE-5	44222	44224	44226
5/8	1	2 3/4	SE-6	44236	44238	
3/4	1	2 3/4	SE-7	44243	44245	
Extended Shank						
1/4	3/8	6 3/8	SE-1X6	44201	44203	
3/8	5/8	6 5/8	SE-3X6	44215	44217	
1/2	7/8	6 7/8	SE-5X6	44229	44231	

SF



Round Tree Cut

Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/4	5/8	2	SF-1	45256	45258	45260
3/8	3/4	2 1/2	SF-3	45291	45339	45294
7/16	1	2 3/4	SF-4	45304	45306	
1/2	3/4	2 1/2	SF-13	45263	45265	
	1	2 3/4	SF-5	45311	45313	45315
5/8	1	2 3/4	SF-6	45325	45327	45329
3/4	1	3	SF-7	45332	45334	
	1 1/4	3	SF-14	45270	45272	
	1 1/2	3 1/4	SF-15	45277	45279	
Extended Shank						
1/4	1/2	6 1/2	SF-1x6	45284	45286	
3/8	3/4	6 3/4	SF-3x6	45297	45299	
1/2	1	7	SF-5x6	45318	45320	

All above Burrs available with #4 Diamond Cut. Add 20% to list price of #1 Cut.
All Burrs 5/16" diameter and larger furnished with 1/4" x 1 3/4" steel shanks.

Metric Sized Shanks

All burrs on page 188-194 with a head diameter of 5/16" or larger, with the exception of extended shanks, are available with a 6mm diameter shank. They will retain standard fractional cutting diameters and cutting length.

Add \$2.50 to the list price.

BURR/ROTARY FILES

Burr SG/SM
1/4" Shank Diameter

SG



Pointed Tree Shape

Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/4	5/8	2	SG-1	46100	46102	46104
5/16	3/4	2 1/2	SG-2	46128	46129	
3/8	3/4	2 1/2	SG-3	46135	46137	46139
1/2	3/4	2 1/2	SG-13	46107	46109	
	1	2 3/4	SG-5	46149	46151	46153
5/8	1	2 3/4	SG-6	46163	46165	46167
3/4	1	2 3/4	SG-7	46170	46172	
	1 1/2	3 1/4	SG-15	46114	46116	
Extended Shank						
1/4	1/2	6 1/2	SG-1X6	46121	46123	
3/8	3/4	6 3/4	SG-3X6	46142	46144	
1/2	1	7	SG-5X6	46156	46158	

SM



Cone Shape

Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number	
				#1 Cut	#3 Cut
1/4	1/2	2	SM-1	47250	47252
	3/4	2	SM-2	47257	47259
	1	2 1/2	SM-3	47264	47266
	1 1/4	2 1/2	SM-3A	47271	47273
3/8	5/8	2 1/2	SM-4	47278	47280
1/2	7/8	2 3/4	SM-5	47285	47287
5/8	1	3	SM-6	47292	47294

All above Burrs available with #4 Diamond Cut. Add 20% to list price of #1 Cut.
All Burrs 5/16" diameter and larger furnished with 1/4" x 1 3/4" steel shanks.

Metric Sized Shanks

All burrs on page 188-194 with a head diameter of 5/16" or larger, with the exception of extended shanks, are available with a 6mm diameter shank. They will retain standard fractional cutting diameters and cutting length.

Add \$2.50 to the list price.

BURRS/ROTARY FILES

Burr SL/SH 1/4" Shank Diameter

SL

14° Included Angle



Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/4	5/8	2	SL-1	48250	48252	
5/16	7/8	2 3/4	SL-2	48257	48259	
3/8	1 1/16	3	SL-3	48271	48273	48275
1/2	1 1/8	3	SL-4	48285	48287	48289
5/8	1 5/16	3 1/4	SL-6	48299	48301	
3/4	1 1/2	3 1/4	SL-7	48306	48308	
Extended Shank						
5/16	7/8	7	SL-2X6	48264	48266	
3/8	1 1/16	7 1/8	SL-3X6	48278	48280	
1/2	1 1/8	7 1/4	SL-4X6	48292	48294	

SH

Flame Shape



Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/4	5/8	2	SH-1	49250	49252	
5/16	3/4	2 1/2	SH-2	49257	49259	49261
1/2	1 1/4	3	SH-5	49271	49273	
5/8	1 7/16	3 1/4	SH-6	49285	49287	
3/4	1 5/8	3 1/2	SH-7	49292	49294	
Extended Shank						
5/16	3/4	6 3/4	SH-2X6	49264	49266	
1/2	1 1/4	7 1/4	SH-5X6	49278	49280	

All above Burrs available with #4 Diamond Cut. Add 20% to list price of #1 Cut.
All Burrs 5/16" diameter and larger furnished with 1/4" x 1 3/4" steel shanks.

Metric Sized Shanks

All burrs on page 188-194 with a head diameter of 5/16" or larger, with the exception of extended shanks, are available with a 6mm diameter shank. They will retain standard fractional cutting diameters and cutting length.

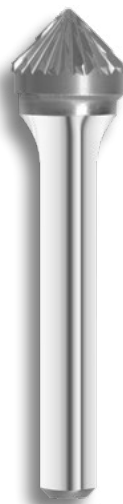
Add \$2.50 to the list price.

BURR/ROTARY FILES

Burr SK/SJ
1/4" Shank Diameter

SK

90° Included Angle



Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number	
				#1 Cut	#3 Cut
1/4	1/8	2	SK-1	50250	50252
3/8	3/16	2 1/8	SK-3	50264	50266
1/2	1/4	2 1/8	SK-5	50271	50273
5/8	5/16	2 1/4	SK-6	50278	50280
3/4	3/8	2 3/8	SK-7	50285	50287
7/8	7/16	2 1/2	SK-8	50292	50294
1	1/2	2 1/2	SK-9	50299	50301

SJ

60° Included Angle



Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number		
				#1 Cut	#3 Cut	#5 Cut
1/4	3/16	2	SJ-1	51001	51003	
5/16	1/4	2 1/4	SJ-2	51008	51010	
3/8	5/16	2 1/4	SJ-3	51015	51017	51019
1/2	7/16	2 3/8	SJ-5	51022	51024	
5/8	1/2	2 1/2	SJ-6	51029	51031	
3/4	5/8	2 5/8	SJ-7	51036	51038	
7/8	3/4	2 3/4	SJ-8	51043	51045	
1	7/8	2 3/4	SJ-9	51050	51052	

All above Burrs available with #4 Diamond Cut. Add 20% to list price of #1 Cut.
All Burrs 5/16" diameter and larger furnished with 1/4" x 1 3/4" steel shanks.

Metric Sized Shanks

All burrs on page 188-194 with a head diameter of 5/16" or larger, with the exception of extended shanks, are available with a 6mm diameter shank. They will retain standard fractional cutting diameters and cutting length.

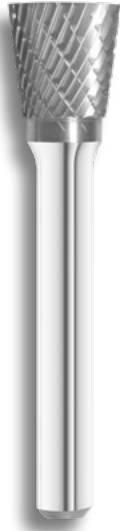
Add \$2.50 to the list price.

BURRS/ROTARY FILES

Burr SN/SNE 1/4" Shank Diameter

SN

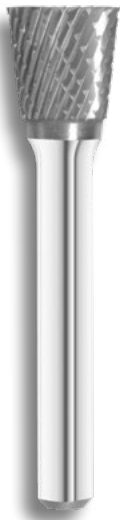
Inverted Cone



Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number	
				#1 Cut	#3 Cut
1/4	5/16	2	SN-1	52250	52252
3/8	3/8	2 1/8	SN-2	52257	52259
1/2	1/2	2 1/4	SN-3	52264	52266
5/8	3/4	2 1/2	SN-6	52271	52273
3/4	5/8	2 3/8	SN-7	52278	52280

SNE

Inverted Cone - End Cut



Cutting Diameter	Cutting Length	Approx. Overall Length	Tool Number	EDP Number	
				#1 Cut	#3 Cut
1/4	5/16	2	SN-1E	53250	53252
3/8	3/8	2 1/8	SN-2E	53257	53259
1/2	1/2	2 1/4	SN-3E	53264	53266
5/8	3/4	2 1/2	SN-6E	53271	53273
3/4	5/8	2 3/8	SN-7E	53278	53280

All above Burrs available with #4 Diamond Cut. Add 20% to list price of #1 Cut.
All Burrs 5/16" diameter and larger furnished with 1/4" x 1 3/4" steel shanks.

Metric Sized Shanks


All burrs on page 188-194 with a head diameter of 5/16" or larger, with the exception of extended shanks, are available with a 6mm diameter shank. They will retain standard fractional cutting diameters and cutting length.

Add \$2.50 to the list price.


BURR/ROTARY FILES

Burr

1/16" - 1/8" Head Diameter, 1/8" Shank Diameter

Cutting Head	1/16" x 1/4"	3/32" x 7/16"	1/8" x 9/16"	1/8" x 1/8"	1/8" x 9/16"	3/32" x 7/16"	1/8" x 9/16"	3/32" x 3/32"	1/8" x 1/8"	1/8" x 1/4"	1/8" x 1/4"	1/8" x 1/4"
Style	SA-41	SA-42	SA-43	SB-41	SB-43	SC-41	SC-42	SD-41	SD-42	SE-41	SH-41	SG-41
												

1 1/2" Approx. Overall Length												
#1 Cut	59100	59102	59104	59106	40160	59108	59110	59112	59114	59116	59128	59122
#3 Cut	59101	59103	59105	59107		59109	59111	59113	59115	59117	59129	59123
2" Approx. Overall Length												
#1 Cut			59000				59002		59004	59006	59012	
#3 Cut			59026				59028		59030	59032	59038	
3" Approx. Overall Length												
#1 Cut			59001	59050			59003	59055	59005	59007	59013	
#3 Cut			59027				59029		59031	59033	59039	

Cutting Head	1/8" x 3/8"	1/8" x 1/2"	1/8" x 1/4"	1/8" x 1/2"	1/8" x 11/32"	1/8" x 7/16"	1/8" x 5/8"	1/8" x 3/8"	1/8" x 1/2"	1/8" x 7/64"	1/8" x 1/16"	3/32" x 1/8"	1/8" x 3/16"
Style	SG-43	SG-44	SF-41	SF-42	SM-41 12" Incl.	SM-42 14" Incl.	SM-43 7" Incl.	SL-41 8" Incl.	SL-42 8" Incl.	SJ-42 60" Incl.	SK-42 90" Incl.	SN-41 10" Incl.	SN-42 10" Incl.
													

1 1/2" Approx. Overall Length													
#1 Cut	59124	59126	59118	59120	59137	59139	59141	59134	59135	59130	59132	59143	59145
#3 Cut	59125	59127	59119	59121	59138	59140	59142	59147	59136	59131	59133	59144	59146
2" Approx. Overall Length													
#1 Cut		59010		59008			59016		59014				
#3 Cut		59036		59034			59042		59040				
3" Approx. Overall Length													
#1 Cut		59011		59009			59017		59015				
#3 Cut		59037		59035			59043		59041				

All Burrs available with #4 Diamond Cut, add 20% to list price of #1 Cut.

BURRS/ROTARY FILES

Burr

5/32" - 3/16" Head Diameter, 1/8" Shank Diameter

Cutting Head	5/32" x 1/2"	3/16" x 1/2"	5/32" x 1/2"	3/16" x 1/2"	3/16" x 3/16"	3/16" x 1/2"	3/16" x 1/2"	3/16" x 1/2"	3/16" x 3/8"	3/16" x 9/32"	3/16" x 1/4"	3/16" x 1/2"	3/16" x 1/2"
Style	SA-52	SA-53	SC-52	SC-53	SD-53	SG-53	SF-53	SH-53	SE-53	SN-53 10' Incl.	SM-53 10' Incl.	SL-53 14' Incl.	



	1 1/2" Approx. Overall Length											
#1 Cut	71101	71103	71105	71108	71110	71115	71113	71116	71112	71120	71119	71117
#3 Cut	71102	71104	71106	71109	71111	71130	71114	71135	71140	71121	71145	71118

All Burrs available with #4 Diamond Cut, add 20% to list price of #1 Cut.

BURR/ROTARY FILES

Burr

1/4" Head Diameter, 1/8" Steel Shank Diameter

Cutting Head	1/2"	3/16"	1/4"	1/2"	1/2"	1/2"	1/2"	3/8"	1/4"
Style	SA-51	SB-51	SD-51	SC-51	SF-51	SG-51	SM-51 22° Incl.	SE-51	SN-51 10° Incl.




2" Max Overall Length									
#1 Cut	70101	70103	70107	70105	70111	70113	70115	70109	70117
#3 Cut	70102	70104	70108	70106	70112	70114	70116	70110	70118

Burr

3/16" Head Diameter, 3/16" Steel Shank Diameter

Cutting Head	5/8"	5/8"	3/16"	1/2"	1/2"	7/16"	9/32"	1/4"	3/32"	5/32"
Style	SA-81	SC-81	SD-81	SF-81	SG-81	SL-81 14° Incl.	SE-81	SN-81 10° Incl.	SK-81 90° Incl.	SJ-81 60° Incl.



2" Approx. Overall Length										
#1 Cut	72101	72102	72103	72105	72106	72110	72104	72111	72108	72109
#3 Cut	72121	72122	72123	72124	72125	72126	72127	72128	72129	72130

All Burrs available with #4 Diamond Cut, add 20% to list price of #1 Cut.

BURRS/ROTARY FILES

Metric Burr

1.5 - 3mm Head Diameter, 3mm Shank Diameter

Cutting Head	1.5mm x 6mm	2mm x 13mm	3mm x 15mm	3mm x 3mm	2mm x 11mm	3mm x 15mm	2mm x 2mm	3mm x 3mm	3mm x 6mm	3mm x 7mm	3mm x 7mm	3mm x 10mm
Style	MSA-41	MSA-42	MSA-43	MSB-41	MSC-41	MSC-42	MSD-41	MSD-42	MSE-41	MSH-41	MSG-41	MSG-43

38mm Approx. Overall Length												
#1 Cut	59301	59302	59303	59300	59304	59305	59306	59307	59308	59314	59311	59312
#3 Cut	59505	59508	59511	59502	59514	59517	59520	59523	59526	59831	59535	59825

Cutting Head	3mm x 15mm	3mm x 8mm	3mm x 15mm	3mm x 9mm	3mm x 11mm	3mm x 16mm	3mm x 10mm	3mm x 13mm	3mm x 3mm	3mm x 3mm	2mm x 3mm	3mm x 5mm
Style	MSG-44	MSF-41	MSF-42	MSM-41 12° Incl.	MSM-42 14° Incl.	MSM-43 7° Incl.	MSL-41 8° Incl.	MSL-42 8° Incl.	MSJ-42 60° Incl.	MSK-42 90° Incl.	MSN-41 10° Incl.	MSN-42 10° Incl.

38mm Approx. Overall Length												
#1 Cut	59313	59309	59310	59319	59320	59321	59317	59318	59315	59316	59324	59323
#3 Cut	59828	59529	59532	59545	59548	59551	59840	59538	59834	59837	59554	59557

All Burrs available with #4 Diamond Cut, add 20% to list price of #1 Cut.

BURR/ROTARY FILES

Metric Burr

6.4mm Head Diameter, 3mm Steel Shank Diameter

Cutting Head	13mm	5mm	6mm	13mm	13mm	13mm	13mm	10mm	6mm
Style	MSA-51	MSB-51	MSD-51	MSC-51	MSF-51	MSG-51	MSM-51 22° Incl.	MSE-51	MSN-51 10° Incl.

51mm Max Overall Length									
#1 Cut	70310	70311	70313	70312	70315	70316	70317	70314	70318
#3 Cut	59560	59563	59569	59566	59575	59578	59581	59572	59584

All Burrs available with #4 Diamond Cut, add 20% to list price of #1 Cut.

BURRS/ROTARY FILES

Metric Burr

3 - 6mm Head Diameter, 6mm Shank Diameter

Cutting Head	6mm x 16mm	3mm x 16mm	6mm x 16mm	3mm x 16mm	6mm x 16mm	3mm x 16mm	6mm x 6mm	3mm x 3mm	6mm x 10mm
Style	MSA-1	MSA-12	MSB-1	MSB-12	MSC-1	MSC-12	MSD-1	MSD-12	MSE-1
51mm Overall Length									
#1 Cut	80100	80101	80102	80103	80104	80105	80107	80106	80108
#3 Cut	59594	59587	59604	59601	59610	59607	59620	59617	59623

Cutting Head	6mm x 16mm	6mm x 16mm	6mm x 13mm	6mm x 25mm	6mm x 16mm	6mm x 6mm	6mm x 6mm	6mm x 8mm	6mm x 8mm
Style	MSF-1	MSG-1	MSM-1 22° Incl.	MSM-3 10° Incl.	MSL-1 14° Incl.	MSK-1 90° Incl.	MSJ-1 60° Incl.	MSN-1 10° Incl.	MSN-1E 10° Incl.
51mm Overall Length									
#1 Cut	80109	80110	80112	80113	80111	80114	80117	80115	80116
#3 Cut	59626	59629	59645	59842	59642	59639	59636	59659	59674

All Burrs available with #4 Diamond Cut, add 20% to list price of #1 Cut.

BURR/ROTARY FILES

Burr Sets

Offered in both Single and Double Cut versions.

Each set is conveniently packaged in a wooden box.



Burr Set #1

10 Tools • 3/8" - 1/2" Diameter Head, 1/4" Shank

Cut	EDP Number
#1 Single Cut	60001
#3 Double Cut	60003

Cutting Head	1/2" x 1"	1/2" x 1"	3/8" x 3/4"	1/2" x 1"	3/8" x 3/4"	1/2" x 1"	3/8" x 3/4"	3/8" x 5/8"	1/2" x 1 1/8"	1/2" x 1/2"
Style	SA-5	SC-5	SC-3	SF-5	SF-3	SG-5	SG-3	SE-3	SL-4 14" Incl.	SD-5



BURRS/ROTARY FILES

Burr Set #2

12 Tools • 3/32" - 1/8" Diameter Head, 1/8" Shank

Cut	EDP Number
#1 Single Cut	60004
#3 Double Cut	60006

Cutting Head	1/8" x 9/16"	3/32" x 7/16"	1/8" x 9/16"	3/32" x 7/16"	1/8" x 1/8"	1/8" x 1/4"	1/8" x 1/4"	1/8" x 3/8"	1/8" x 1/2"	1/8" x 7/16"	1/8" x 1/2"	1/8" x 3/16"
Style	SA-43	SA-42	SC-42	SC-41	SD-42	SE-41	SH-41	SG-43	SF-42	SM-42 14° Incl.	SL-42 8° Incl.	SN-42 10° Incl.



Burr Set #3

9 Tools • 1/4" Diameter Head, 1/8" Shank

Cut	EDP Number
#1 Single Cut	60007
#3 Double Cut	60009

Cutting Head	1/2"	3/16"	1/4"	1/2"	1/2"	1/2"	1/2"	3/8"	1/4"
Style	SA-51	SB-51	SD-51	SC-51	SF-51	SG-51	SM-51 22° Incl.	SE-51	SN-51 10° Incl.



BURR/ROTARY FILES

Burr Set #4

12 Tools • 5/32" - 3/16" Diameter Head, 1/8" Steel Shank

Cut	EDP Number
#1 Single Cut	60010
#3 Double Cut	60012

Cutting Head	3/16" x 1/2"	5/32" x 1/2"	3/16" x 1/2"	5/32" x 1/2"	3/8" x 3/16"	3/16" x 1/2"	3/16" x 1/2"	3/16" x 3/8"	3/16" x 9/32"	3/16" x 1/4"	3/16" x 1/2"	3/16" x 1/2"
Style	SA-53	SA-52	SC-53	SC-52	SD-53	SG-53	SF-53	SH-53	SE-53	SN-53 10° Incl Taper	SM-53 16° Incl Taper	SL-53 14° Incl Taper



Burr Set #5

10 Tools • 1/8" - 1/4" Diameter Head, 1/4" Shank

Cut	EDP Number
#1 Single Cut	60013
#3 Double Cut	60015

Cutting Head	1/4" x 5/8"	3/16" x 5/8"	1/4" x 5/8"	1/8" x 5/8"	1/4" x 5/8"	1/4" x 5/8"	1/4" x 3/8"	1/4" x 3/4"	1/4" x 5/8"	1/4" x 5/16"
Style	SA-1	SA-14	SC-1	SC-12	SF-1	SG-1	SE-1	SM-2 14° Incl.	SL-1 14° Incl.	SN-1 10° Incl.





COUNTERSINKS

1835 - 6 Flute Countersink

1847 - Single Flute Countersink

COUNTERSINKS

1835



6 Flutes

Right Hand Cut

Steel Shank on 3/8" and Above Cutting Diameters

Chatterless Design for Hard Materials

Dura Carb (Micrograin)

Tolerance:

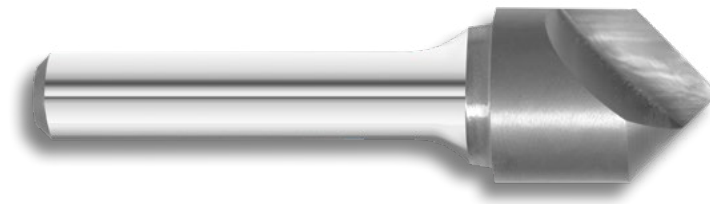
Shank Diameter: +.0000" -.002"

Body Diameter	Shank Diameter	Approx. Overall Length	Steel Shank	EDP Number
				90°
1/4	1/4	2		18925
3/8	1/4	2 3/4	✓	18937
1/2	1/4	3	✓	18950
5/8	3/8	2 3/4	✓	18962
3/4	3/8	3	✓	18975



COUNTERSINKS

1847



Single Helical Flute

Right Hand Cut

Steel Shank on 3/8" and Above Cutting Diameters

For Mild Steels as well as other Non-Ferrous Materials

Dura Carb (Micrograin)

Tolerance:

Shank Diameter: +.0000"

-.002"

Body Diameter	Shank Diameter	Overall Length	Steel Shank	EDP Number
				90°
1/4	1/4	2		18259
3/8	1/4	2 3/4	✓	18379
1/2	1/4	3	✓	18509
5/8	3/8	2 3/4	✓	18629
3/4	3/8	3	✓	18759



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FLUTE

UC

UNCOATED

I

IMPERIAL



BORING TOOLS

2400 Boring Tools

BORING TOOLS

2400 Boring Bar



Single Straight Flute
Right Hand Cut
Dura Carb (Micrograin)

Tolerance:
Shank Diameter: h6
Cutter Diameter: +.0000" -.004"

Tool Number	Hole Diameter	Depth of Hole	Shank Diameter	Overall Length	EDP Number
					UC
F-002	.0600	3/16	.1250	1 1/2	24012
F-00	.0800	3/8	.1250	1 1/2	24010
F-0	.0900	1/2	.1250	1 1/2	24000
F-1	.1200	5/8	.1250	1 1/2	24001
F-2	.1500	3/4	.1875	2	24002
F-3	.1800	1	.1875	2	24003
F-4	.2100	1 1/4	.2500	2 1/2	24004
F-5	.2400	1 1/4	.2500	2 1/2	24005
F-6	.2700	1 1/4	.3125	2 1/2	24006
F-7	.3000	1 1/4	.3125	2 1/2	24007
F-8	.3300	1 1/2	.3750	2 1/2	24008
F-9	.3600	1 1/2	.3750	2 1/2	24009

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FLUTE

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32449	107	32530	106	32587	81	32681	92	32746	103	32836	103	32897	84
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90224R	89	90243R	89	90331R	101	90419R	123	90438R	123	91291	120	91348	121
90224S	89	90243S	89	90331S	101	90419S	123	90438S	123	91292	120	91349	121
90225B	89	90313B	101	90332B	101	90420B	123	90439B	123	91293	120	91350	121
90225R	89	90313R	101	90332R	101	90420R	123	90439R	123	91294	120	91351	121

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91354	121	91890	120	91956	119	92045	80	92110	110	92186	80	92254	80
91355	121	91891	120	91957	119	92046	80	92112	110	92187	80	92255	80
91356	119	91892	120	91958	119	92047	80	92114	110	92194	104	92256	80
91357	119	91893	121	91959	119	92048	80	92116	110	92195	104	92257	80
91358	119	91894	121	91960	119	92049	80	92118	110	92201	104	92258	80
91359	119	91895	121	91961	119	92050	80	92120	104	92202	104	92259	80
91360	120	91896	121	91962	119	92051	80	92122	104	92203	104	92265	110
91361	120	91897	121	91963	119	92052	80	92124	104	92204	104	92266	110
91362	120	91898	121	91964	119	92053	80	92126	105	92205	104	92267	110
91363	120	91899	121	91965	120	92054	80	92127	105	92206	104	92268	110
91364	120	91900	121	91966	121	92055	84	92128	105	92207	104	92269	110
91365	120	91901	121	91967	121	92056	84	92129	105	92208	104	92270	110
91366	120	91902	121	91968	121	92057	84	92130	110	92209	104	92271	110
91367	120	91903	121	91969	121	92059	84	92131	105	92210	104	92272	110
91368	120	91904	121	91970	121	92060	84	92132	110	92211	104	92273	110
91369	120	91905	120	91971	121	92061	84	92133	105	92212	104	92274	110
91370	120	91906	120	92001	104	92062	84	92134	110	92213	104	92275	110
91371	120	91910	120	92002	104	92063	84	92135	105	92214	105	92276	110
91372	120	91911	120	92003	104	92064	84	92136	110	92215	105	92277	110
91373	120	91912	120	92005	104	92065	84	92137	105	92216	105	92278	110
91374	120	91913	120	92006	104	92066	84	92138	110	92217	105	92279	110
91376	121	91916	120	92007	104	92067	84	92139	111	92218	105	92280	110
91377	121	91917	120	92008	104	92068	84	92140	80	92219	105	92281	110
91378	121	91918	120	92009	104	92069	84	92141	111	92220	105	92282	111
91379	121	91922	121	92010	104	92070	84	92142	80	92221	105	92283	111
91380	121	91923	121	92011	104	92071	84	92143	80	92222	105	92284	111
91381	121	91924	121	92012	104	92072	84	92144	80	92223	104	92285	111
91382	121	91925	121	92013	105	92073	104	92145	80	92224	104	92286	111
91383	121	91926	121	92014	105	92074	110	92146	80	92225	104	92287	110
91384	121	91928	121	92015	105	92075	104	92147	105	92226	105	92288	110
91385	121	91929	121	92016	105	92076	110	92148	80	92227	105	92289	110
91386	121	91930	121	92017	105	92077	105	92149	105	92228	104	92290	110
91387	121	91931	121	92018	105	92078	110	92150	84	92229	104	92291	110
91388	104	91932	121	92019	110	92079	105	92152	84	92230	104	92292	110
91389	105	91933	121	92020	110	92080	111	92154	84	92231	105	92293	110
91390	105	91934	119	92021	110	92081	105	92156	84	92232	105	92294	110
91391	43	91935	119	92023	110	92082	111	92158	84	92233	80	92295	110
91394	43	91936	119	92024	110	92083	80	92160	80	92234	80	92296	110
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91404	43	91938	119	92026	110	92085	80	92164	80	92236	80	92298	84
91432	65	91939	119	92027	110	92086	84	92165	80	92237	80	92299	84
91433	65	91940	119	92028	110	92087	80	92166	80	92238	80	92300	84
91874	120	91941	119	92029	110	92088	84	92167	80	92239	80	92301	84
91876	120	91942	119	92030	110	92089	80	92168	80	92240	80	92302	84
91877	120	91943	119	92031	110	92090	84	92170	84	92241	80	92303	84
91878	120	91944	119	92032	110	92091	80	92172	84	92242	80	92304	84
91879	120	91945	119	92033	110	92092	84	92173	84	92243	80	92305	84
91880	120	91946	120	92034	111	92093	104	92174	84	92244	80	92306	84
91881	120	91947	121	92035	111	92094	104	92175	84	92245	80	92307	84
91882	120	91948	121	92036	111	92100	104	92176	84	92246	80	92308	84
91883	120	91949	121	92037	80	92101	104	92178	84	92247	80	92309	84
91884	120	91950	121	92038	80	92102	104	92180	104	92248	80	92310	84
91885	120	91951	121	92039	80	92103	104	92181	104	92249	80	92311	84
91886	120	91952	121	92041	80	92104	104	92182	105	92250	80	92312	84
91887	120	91953	119	92042	80	92106	105	92183	105	92251	80	92313	84

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92317	84	92384	99	92445	64	92530	28	92604	39	93024	15	2450002	179
92318	84	92385	99	92453	65	92531	28	92605	43	93025	15	2450003	179
92329	110	92386	99	92454	65	92532	28	92606	43	93026	15	2450004	179
92330	97	92387	99	92455	65	92533	28	92611	39	93027	15	2450005	179
92331	97	92388	99	92467	28	92534	28	92612	39	93028	15	2450006	179
92332	97	92389	99	92468	28	92535	28	92613	39	93029	15	2450007	179
92333	97	92390	99	92469	28	92536	28	92614	43	93030	15	2450008	179
92334	97	92391	99	92470	28	92537	28	92617	43	93031	15	2450009	179
92335	97	92392	99	92471	28	92538	28	92618	43	93032	15	2450010	179
92336	97	92393	99	92472	28	92539	28	92620	43	93033	15	2450011	179
92337	97	92394	99	92473	28	92540	28	92622	43	93034	15	2450012	179
92338	97	92395	99	92474	28	92541	28	92627	43	93035	15	2450013	179
92339	97	92396	99	92475	28	92542	28	92630	39	93036	15	2450014	179
92340	97	92397	99	92476	28	92543	28	92791	43	93037	15	2450015	179
92341	97	92398	99	92477	28	92544	28	92792	43	93038	14	2450016	180
92342	97	92399	99	92478	28	92545	28	92793	43	93039	14	2450017	180
92343	97	92400	99	92479	28	92546	28	92794	43	93040	14	2450018	179
92344	97	92401	99	92480	28	92547	28	92795	43	93041	14	2450019	180
92345	97	92402	99	92481	28	92548	29	92797	43	93042	14	2450020	180
92346	97	92403	99	92482	28	92549	29	92800	11	93043	14	2450021	179
92347	97	92404	99	92483	28	92550	29	92801	11	93044	14	2450022	180
92348	97	92405	99	92484	28	92551	29	92802	11	93045	14	2450023	180
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92350	97	92407	99	92486	28	92553	29	92804	11	93047	14	2450025	180
92351	97	92408	99	92487	29	92554	29	92805	11	93048	14	2450026	180
92352	97	92409	99	92488	29	92555	39	92806	11	93049	14	2450027	180
92353	97	92410	38	92489	29	92556	39	92814	120	93050	14	2450028	180
92354	97	92411	39	92490	29	92557	39	92850	126	93051	14	2450029	180
92355	97	92412	39	92491	29	92558	39	92851	126	93052	14	2450030	180
92356	97	92413	39	92492	29	92559	43	92852	126	93053	14	2450031	180
92357	97	92414	39	92493	29	92560	43	92853	126	93054	14	2450032	180
92358	97	92415	39	92494	43	92561	43	92854	126	93055	14	2450033	180
92359	97	92416	39	92495	43	92562	43	92855	126	93100	14	2450034	180
92360	97	92417	38	92496	97	92565	64	93000	14	93101	14	2450035	180
92361	97	92418	39	92497	97	92566	64	93001	14	93201	97	2450036	180
92362	97	92419	39	92498	43	92570	65	93002	14	93202	97	2450037	180
92363	97	92420	39	92508	75	92575	43	93003	14	93203	97	2450038	180
92364	97	92421	39	92509	75	92576	43	93004	14	93204	97	2450039	180
92365	97	92422	39	92510	75	92577	43	93005	14	93205	97	2450040	180
92366	97	92423	42	92512	75	92579	43	93006	14	93206	97	2450041	180
92367	97	92424	43	92513	75	92580	43	93007	14	93207	97	2450042	180
92368	97	92425	43	92514	75	92581	43	93008	14	93208	97	2450043	180
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92370	99	92427	43	92516	32	92584	43	93010	14	93210	97	2450045	180
92371	99	92428	43	92517	32	92585	43	93011	14	93211	97	2450046	180
92372	99	92429	43	92518	32	92586	43	93012	14	93212	97	2450047	180
92373	99	92430	43	92519	32	92588	43	93013	14	93213	97	2450048	180
92374	99	92431	42	92520	32	92590	43	93014	14	93214	97	2450049	180
92375	99	92432	43	92521	32	92591	43	93015	14	93215	97	2450050	180
92376	99	92433	43	92522	126	92593	43	93016	14	93700	67	2450051	180
92377	99	92434	43	92523	126	92594	43	93017	14	93702	67	2450052	180
92378	99	92435	43	92524	126	92595	43	93018	14	93802	34	2450053	180
92379	99	92436	43	92525	126	92596	43	93019	14	93811	37	2450054	180
92380	99	92437	44	92526	126	92599	73	93020	14	93817	37	2450055	180

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2450100	181												
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Decimal Conversion Chart

SIZE	DECIMAL	SIZE	DECIMAL	SIZE	DECIMAL	SIZE	DECIMAL	SIZE	DECIMAL	SIZE	DECIMAL
.35mm	.0138	1/16	.0625	3.3mm	.1299	5.4mm	.2126	O	.3160	13.5mm	.5315
.4mm	.0157	1.6mm	.0630	3.4mm	.1339	3	.2130	8.1mm	.3189	35/64	.5469
.45mm	.0177	52	.0635	29	.1360	5.5mm	.2165	8.2mm	.3228	14mm	.5512
.5mm	.0197	1.65mm	.0650	3.5mm	.1378	7/32	.2188	P	.3230	9/16	.5625
.55mm	.0217	1.7mm	.0669	28	.1405	5.6mm	.2205	8.25mm	.3248	14.5mm	.5709
.6mm	.0236	1.75mm	.0689	9/64	.1406	2	.2210	8.3mm	.3268	37/64	.5781
.65mm	.0256	2.05mm	.0807	3.6mm	.1417	5.7mm	.2244	21/64	.3281	15mm	.5906
.7mm	.0276	46	.0810	27	.1440	5.75mm	.2264	8.4mm	.3307	19/32	.5938
.75mm	.0295	2.1mm	.0827	26	.1470	1	.2280	Q	.3320	39/64	.6094
.8mm	.0315	2.15mm	.0846	3.75mm	.1476	5.8mm	.2283	8.5mm	.3346	15.5mm	.6102
.85mm	.0335	2.2mm	.0866	25	.1495	5.9mm	.2323	8.6mm	.3386	5/8	.6250
.9mm	.0354	2.25mm	.0886	3.8mm	.1496	A	.2340	R	.3390	16mm	.6299
1.05mm	.0413	2.3mm	.0906	3.9mm	.1535	15/64	.2344	8.7mm	.3425	41/64	.6406
1.1mm	.0433	2.35mm	.0925	4.1mm	.1614	B	.2380	8.75mm	.3445	16.5mm	.6496
1.15mm	.0453	42	.0935	4.2mm	.1654	6.1mm	.2402	8.8mm	.3465	17mm	.6693
1.2mm	.0472	2.4mm	.0945	19	.1660	C	.2420	S	.3480	43/64	.6719
1.25mm	.0492	2.45mm	.0965	4.25mm	.1673	6.2mm	.2441	8.9mm	.3504	11/16	.6875
1.3mm	.0512	2.5mm	.0984	4.3mm	.1693	D	.2460	9mm	.3543	17.5mm	.6890
1.35mm	.0531	2.6mm	.1024	18	.1695	6.25mm	.2461	T	.3580	45/64	.7031
1.4mm	.0551	36	.1065	11/64	.1719	6.3mm	.2480	9.1mm	.3583	18mm	.7087
1.45mm	.0571	37	.1040	17	.1730	E	.2500	23/64	.3594	23/32	.7188
1.5mm	.0591	2.7mm	.1063	4.4mm	.1732	1/4	.2500	9.2mm	.3622	18.5mm	.7283
1.55mm	.0610	2.75mm	.1083	16	.1770	6.4mm	.2520	9.25mm	.3642	47/64	.7344
		7/64	.1094	15	.1800	6.5mm	.2559	9.3mm	.3661	19mm	.7480
		35	.1100	4.6mm	.1811	F	.2570	U	.3680	3/4	.7500
		2.8mm	.1102	14	.1820	6.6mm	.2598	9.4mm	.3701	49/64	.7656
		34	.1110	13	.1850	G	.2610	9.5mm	.3740	19.5mm	.7677
		33	.1130	4.7mm	.1850	6.7mm	.2638	3/8	.3750	25/32	.7812
		2.9mm	.1142	4.75mm	.1870	17/64	.2656	V	.3770	20mm	.7874
		32	.1160	4.8mm	.1890	6.75mm	.2657	9.6mm	.3780	51/64	.7969
		31	.1200	3/16	.1875	H	.2660	9.7mm	.3819	20.5mm	.8071
		3.1mm	.1220	12	.1890	6.8mm	.2677	9.75mm	.3839	13/16	.8125
		1/8	.1250	11	.1910	6.9mm	.2717	9.8mm	.3858	21mm	.8268
		3.2mm	.1260	4.9mm	.1929	I	.2720	W	.3860	53/64	.8281
		3.25mm	.1280	10	.1935	7mm	.2756	9.9mm	.3898	27/32	.8438
		30	.1285	9	.1960	J	.2770	25/64	.3906	21.5mm	.8465
				5mm	.1969	K	.2810	10mm	.3937	55/64	.8594
				8	.1990	9/32	.2812	X	.3970	22mm	.8661
				5.1mm	.2008	7.2mm	.2835	Y	.4040	7/8	.8750
				7	.2010	7.25mm	.2854	13/32	.4062	22.5mm	.8858
				13/64	.2031	7.3mm	.2874	Z	.4130	57/64	.8906
				6	.2040	L	.2900	10.5mm	.4134	23mm	.9055
				5.2mm	.2047	7.4mm	.2913	27/64	.4219	29/32	.9062
				5	.2055	M	.2950	11mm	.4331	59/64	.9219
				5.25mm	.2067	7.5mm	.2953	7/16	.4375	23.5mm	.9252
				5.3mm	.2087	19/64	.2969	11.5mm	.4528	15/16	.9375
				4	.2090	7.6mm	.2992	29/64	.4531	24mm	.9449
						N	.3020	15/32	.4688	61/64	.9531
						7.7mm	.3031	12mm	.4724	24.5mm	.9646
						7.75mm	.3051	31/64	.4844	31/32	.9688
						7.8mm	.3071	12.5mm	.4921	25mm	.9843
						7.9mm	.3110	1/2	.5000	63/64	.9844
						8mm	.3150	13mm	.5118	1	1.0000
								33/64	.5156		
								17/32	.5312		

ISO Material Color Guide

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.

Edge Preps

Fullerton's tools are available with a variety of standardized edge preps to provide the best cutting tools for your use and application. Check out our most popular edge preps below.

Popular Edge Preps













Polish Type	Polish Description
MP02 Polish	High polish with light edge prep, great for non-ferrous materials, particularly aluminum.
MH02 Edge Prep	Light edge prep often used in Steels.
MH04 Edge Prep	Medium edge prep often used in Titanium.
MH06 Edge Prep	Medium edge prep often used in Cast Iron.
MH08 Edge Prep	Larger edge prep used in special applications and larger tools.
PP02 Post Coating Polish	Droplet removal polish.

Contact us for additional Edge Preps!

Contact us at sales@fullertontool.com or 800.248.8315 for edge prep recommendations.

Fullerton's tools are available with a variety of standard and niche process specific coatings. We have over 20 coatings available - listed below are some of our most popular coatings.

Popular Coatings

Coating	Recommended Usage	Image
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	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-2	Advance wear with increased lubricity. Diamond Like Carbon (DLC) works well in machining of non-ferrous metals (especially aluminum with <9% Si), composite material, and plastics.	
FC-4	Improved chip flow and possible dry machining or MQL (Minimum Quantity Lubricant) combines hardness with superior lubricant layers.	
FC-5	Special purpose single layer coating reduces built-up edge when machining aluminum and titanium alloys.	
FC-6	High Performance Coating for High Speed Machining of Cast Iron, Tool Steel, High-Nickel based Super Alloys, Titanium, Inconel, and Aerospace Alloys. (AlTiN, 60% > Aluminum)	
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.	



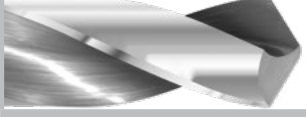


Need a different Coating?

Our Customer Service department can help at sales@fullertontool.com or 800.248.8315.

Dura Carb Carbide Substrates

We make our tools with the finest grades of carbide found in the industry. Our uniquely designed Dura Carb family of carbide grades improves performance and increases productivity. Listed below are our most popular Dura Carb carbide grades.

Popular Dura Carb Grades

Dura Carb Grade	Dura Carb Description	Image
Dura Carb	With its premium micrograin structure, Dura Carb is a versatile grade that can be applied in a wide range of applications.	
Dura Carb II	Super strong substrate designed to handle high shock resistance. It contains a larger percentage of cobalt which increases its resistance to shock. We recommend Dura Carb II in roughing applications and to add coatings to improve tool life.	
Dura Carb III	This superior wear grade is excellent for low impact tooling. It is a long-lasting substrate for ideal machining conditions.	
Dura Carb IV	Special ultra fine carbide grade for machining hard materials > 60RC.	
Dura Carb V	Special submicron grade for high-performance machining of steel, stainless steel and difficult to machine materials, like titanium. It has optimum toughness combined with very good wear resistance.	

h6 Tolerancing

Fullerton uses the industry preferred h6 tolerance on all of its solid carbide cutting tool shanks, with noted exceptions. The h6 tolerance is generally considered the industry standard with regards to shrink fit holders, and it requires manufacturers to be consistent in their processes to adhere to this tolerance.

INCH			METRIC		
Diameter Range	Tolerance		Diameter Range	Tolerance	
.0236-.0374	+0.000	-0.00019	0.600-0.950	+0.000	-0.005
.0375-.1181	+0.000	-0.00023	0.951-3.000	+0.000	-0.006
.1182-.2362	+0.000	-0.00031	3.001-6.000	+0.000	-0.008
.2363-.3937	+0.000	-0.00035	6.001-10.000	+0.000	-0.009
.3938-.7086	+0.000	-0.00043	10.001-18.000	+0.000	-0.011
.7087-1.1811	+0.000	-0.00051	18.001-30.000	+0.000	-0.013
1.1812-1.9685	+0.000	-0.00062	30.001-50.000	+0.000	-0.016

Find out more about our Dura Carb Grades.

Contact us at sales@fullertontool.com or 800.248.8315 for edge prep recommendations.

Regrind Service



Expand tool life and decrease cost per part with Fullerton's regrind service. We provide OEM quality regrinds for customers so you can take advantage of receiving extended tool life while enjoying the benefits of true cost savings. Our goal is to provide regrinds that perform with new tool quality.

Once your tool regrind request is sent, you can expect to receive your completed quote within 1 business day. Before sending your request, please be sure to review the regrind parameters. Once we have received your tools and purchase order, you can expect your tool regrinds to be completed within 2-3 weeks time. Please allow a few additional days for recoat processing. Large quantity orders are subject to review for an accurate lead time.

Regrind Parameters:

Shank Diameter Minimum	Shank Diameter Maximum	Piece Minimum
.2500	.3750	20
.3751	.5000	12
.5001	.7500	8
.7501	-	5

- Tools must be .2500" and larger
- Minimum order of \$100 (per line item)
- Minimums must be of the same tool

Expand your tool life with our Regrind Service!

Contact our Regrind department at regrinds@fullertontool.com or 800.248.8315.

Custom Tooling



There should be no surprise that we know tooling here at Fullerton. But did you know that our FAST team is dedicated to help you select the right tool for your manufacturing process? Sometimes our standard, off-the-shelf products aren't the best fit, which is why we offer custom tooling solutions. By examining your manufacturing process, we can create the right tool for you. Sometimes that means making a slight alteration to one of our standard tools while at other times, we are creating completely custom tools designed specifically for your application. No matter your needs, our FAST team has the experience and knowledge to help you select the right tool for your process.



Find out more about our Custom Tooling!

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



Our PCD tooling is vacuum brazed and consists of a bi-modal grade of Poly-Crystalline Diamond (PCD) to create nothing but the most abrasive resistant tooling.

Our PCD tooling:

- Improves cycle times.
- Produces more parts per shift.
- Allows for high material removal rates.
- Allows for 2 to 3 times faster cutting speed capabilities over conventional cutting tools.
- Has a tool life up to 10 times longer than carbide.

Improve cycle times with our PCD Tooling.

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

Fullerton Tool Celebrates...

1940



1960



1967 Curry Computer Brokerage Company Established

1942 Perma Joy Company Established

World War II production board notifies Perma Joy that the company is using too much metal making tools, so Morgan A. Curry establishes Fullerton Tool Company.

1947 Fullerton Tool Moves to Hamilton Street

Fullerton moves into a new 4,000 square foot facility at 522 South Hamilton Street.

Fullerton Tool Company was Incorporated.

Fullerton Tool begins manufacturing solid carbide round end mills and drills.

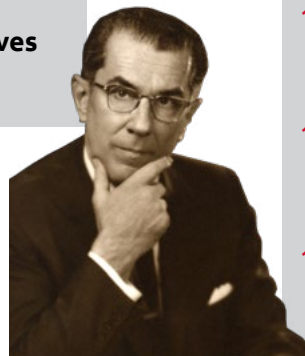


1970



1950

1957 Fullerton Tool Company moves to 121 Perry Street.



1970 Fullerton Tool Company expands tooling portfolio by manufacturing solid carbide reamers, saws, and woodruff cutters.

1973 Morgan Lee Curry named President and General Manager of Fullerton Tool Company.

1977 Morgan Arthur Curry passes.

Morgan A. Curry's entrepreneurial spirit founded our companies and generated multiple generations of jobs.

1978 Richard Curry named Vice President and Office Manager of Fullerton Tool Company.

75 Years of Business!



1980



2000

- 1980** Fullerton Tool Company begins offering "Just In Time" services.
- 1988** Fullerton Tool Company begins manufacturing coolant fed drills and reamers.

- 2000-2007** Introduction of Harmonicut, Fantom, Intimidator, and Dominator Drill.
- 2007** Fullerton Tool Company begins manufacturing PCD Poly-Crystalline Diamond Tooling.
- 2008** Patrick H. Curry named President.
- 2009** Fullerton Tool Company begins F.A.S.T program and R&D lab.



1990

2010

- 1991** Fullerton Tool receives Quality Certification for Ford Motor Company.
- 1996** Fullerton Tool Company expands with 20,000 square foot addition.
- 1999** Fullerton Tool begins production of Advanced Performance Products. Advanced Performance Products include AlumaMill, Falcon, Roughing End Mills, and AlumaDrill.

- 2010** Recipient of American Eagle Award. Fullerton Tool Company receives Industrial Supply Association's American Eagle Award for \$1 Million documented cost savings.
- 2010** Fullerton Tool launches new website. New website is more customer focused, allows users to check stock, access shipment information, and generate a FAST quote.
- 2012** Fullerton Tool Company receives ISO 9001:2008 Certification.
- 2014** Fullerton Tool named one of Michigan's "50 Companies to Watch."
- 2014** Recipient of American Eagle Award. Fullerton Tool Company and Jergens receive the Industrial Supply Association's American Eagle Award for \$487,000 cost savings.
- 2014** Patrick Curry named recipient of the Michigan Manufacturing Association Manufacturer of the Year award.
- 2015** Introduction of Advanced Performance End Mills Force and Fury.
- 2015** Fullerton West Facility Opens. The new facility is a high volume, state-of-the-art manufacturing facility that allows Fullerton Tool Company to bring coatings in-house.
- 2016** Introduction of the Matrix Composite Tooling Line.
- 2017** Continues with 3rd Generation Ownership.
- 2017** Fullerton Tool celebrates 75th Anniversary.



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.

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.

PAYMENT TERMS AND PRICES: Our terms are 1% - 15 days - net 30. *Accounts in arrears are subject to both shipment hold and production hold.* Freight is F.O.B. shipping point. Prices for special tools are subject to quoting after 30 days and catalog prices are subject to change without notice.

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.

RETURNED GOODS: 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 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 particular item, or any decimal size end mills, reamers and saws.



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




FULLERTON
Tool Company Inc.





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Contact Us:

 800.248.8315
 fullertontool.com
 sales@fullertontool.com

ISO 9001 Certified



**AMERICAN MANUFACTURER
FAMILY-OWNED**