

INTERNATIONAL DIAMOND LINE



Sublogram

SSW WHITE Dental®

Better Patient Outcomes
Improved Efficiency
Faster Practice Growth

sswhitedental.com

A Proud Heritage of Innovation, Collaboration and Achievement

The name SS White® is synonymous with dentistry in the United States. The glorious history of SS White Burs began in 1844 when Samuel Stockton White opened up his business in Philadelphia, PA.

The growth of SS White is directly related to Dr. White's determination to improve his chosen profession. He encouraged doctors to communicate ideas freely with him, resulting in many innovations and a business philosophy that is the foundation of the company, even today.

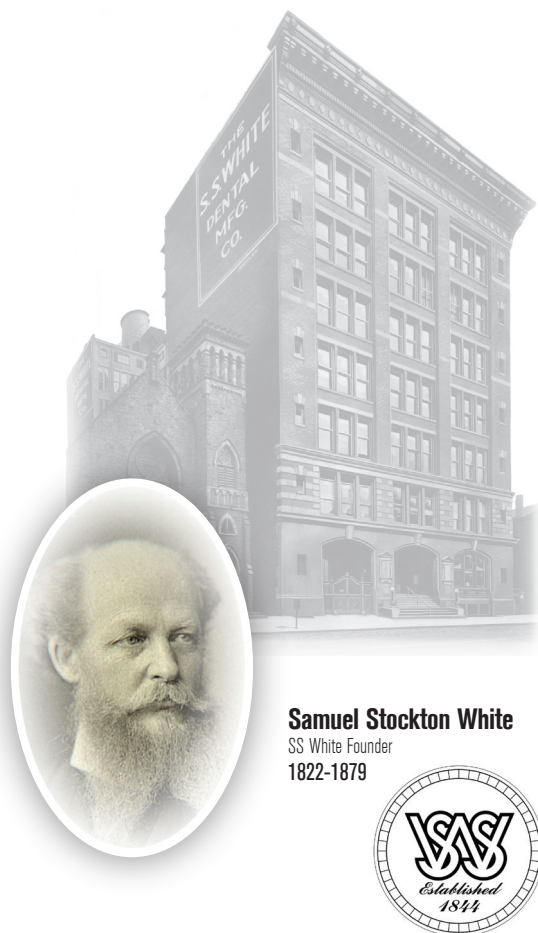
Over 175 Years and Our Philosophy Remains the same...

SS White Dental continues the founder's tradition of identifying and developing ideas that will improve the quality of dental care and make it more efficient. We believe that innovation and the creation of unique products are the cornerstone of our company and make SS White one of the most well recognized and trusted names in dentistry.

At SS White, we've been innovating and supporting dentists and their practices since 1844. As a family owned, U.S. based company, SS White is focused on the success of our customers and the treatment and outcomes of their patients. Each day we stand committed to fulfilling the needs of endodontists and general practitioners in three ways:

- A focus on quality products at a low cost.
- A focus on maximizing profitability and efficiencies chairside and in the practice for a better patient experience and outcome.
- A focus on conservation and preservation through minimally invasive dentistry.

The future is bright with SS White!

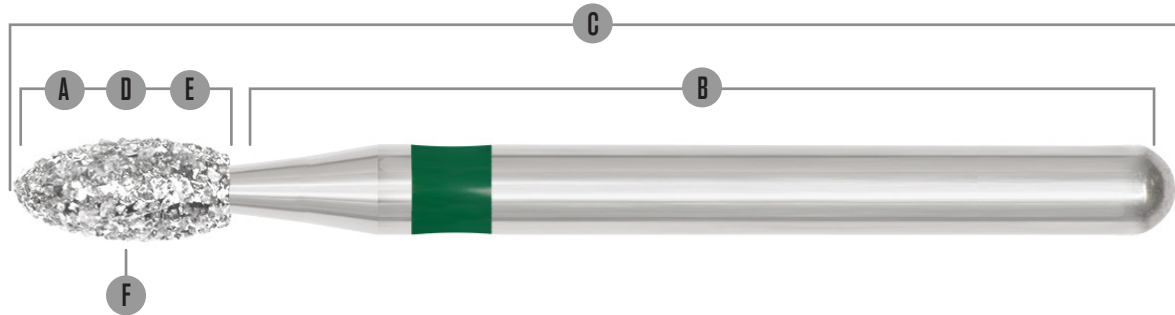


Samuel Stockton White
SS White Founder
1822-1879



SS White Dental
Lakewood, NJ

Guide to ISO 6360 numbering system for diamond instruments in this catalog



806	314		277	534	023
A Material of Working Part	B Shank Type	C Overall Length	D Shape	E Grit	F Nominal Size (ISO 2157) Largest head diameter in 1/10 mm
Example: 80 = Diamond 6 = Plated Metal Binding	Example: 31 = FG	Example: 4 = Standard	Example: 277 = Football	Example: 534 = Coarse	Example: 023 = 2.3 mm
Other Examples:	20 = CA or RA	2 = Miniature 3 = Short 5 = Long 6 = Extra Long	001 = Miniature 010 = Inverted Cone 108 = Cylinder 170 = Cone	544 = Super Coarse 524 = Medium 514 = Fine 504 = Very Fine 494 = Ultra Fine	008 = 0.8 mm 010 = 1.0 mm 014 = 1.4 mm 035 = 3.5 mm

ISO 6360 shank type for International Diamond Line in this catalog

312 FG Shorter than Short	16 mm Ø 1.60 mm	204 RA Standard Right Angle	from 22 to 27 mm Ø 2.35 mm
313 FG Short	from 16 to 20 mm Ø 1.60 mm	104 HP	44.5 mm Ø 2.35 mm
314 FG Standard	from 19 to 24 mm Ø 1.60 mm		

Grit sizes for diamond instruments (ISO 7711/3)

GRIT SIZE DESIGNATION	COLOR CODE	COMPARATION SYSTEM		SS WHITE REFERENCES	
		Grit Size System Micron (µm)	Grit Size System Micron (µm)	Micron (µm)	Mesh
Super Coarse	Black Band ●	149 ÷ 177 177 ÷ 210 210 ÷ 250	80 ÷ 100 70 ÷ 80 60 ÷ 70	149 ÷ 177	80 ÷ 100
Coarse	Green Band ●	105 ÷ 125 125 ÷ 149 149 ÷ 177	120 ÷ 140 100 ÷ 120 80 ÷ 100	105 ÷ 125 125 ÷ 120	120 ÷ 140 100 ÷ 120
Medium	Blue Band ●	62 ÷ 74 74 ÷ 88 88 ÷ 105 105 ÷ 125	200 ÷ 230 170 ÷ 200 140 ÷ 170 120 ÷ 140	62 ÷ 74 88 ÷ 105 105 ÷ 125	200 ÷ 230 140 ÷ 170 120 ÷ 140
Fine	Red Band ●	37 ÷ 44 44 ÷ 53 53 ÷ 62 62 ÷ 74	325 ÷ 400 270 ÷ 325 230 ÷ 270 200 ÷ 230	38 ÷ 45	325 ÷ 400
Very-Fine	Yellow Band ●	28 ÷ 46	400 ÷ 500	30 ÷ 38	400 ÷ 500
Super-Fine	White Band ○	8 ÷ 28		8 ÷ 12	8 ÷ 12

Method of use

SIZE (ø 1/10mm)	SPEED MAX. (r.p.m.) FG	SUGGESTED SPEED (r.p.m.) with spray cooling minimum 50 ml/min.		DIAMOND GRIT	COLOR CODE	WORKING PRESSURE (g)
008-018	360,000	Cavity Preparation	300,000	Super Coarse	●	40-300
018-023	300,000	Crown Preparation	140,000	Coarse	●	40-300
023-027	180,000	Crown Finishing Preparation	60,000	Medium	●	40-300
027-031	140,000	Composite/Cavity Finishing	15,000	Fine	●	20-100
031-040	100,000			Very-Fine	●	10-50
040-050	80,000			Ultra-Fine	○	10-50

Diamond Instruments

Shank Material	Working Part
Stainless Steel	Natural Diamond

Sterilization Process

Autoclave	Chemical Clave C ₂ H ₄ O	HOT AIR STERILIZATION
3 bar 135°C	130°C	180°C

SS White International Diamond Line

Premium quality multi-use diamond instruments.

Welcome to our catalog of quality rotary diamond cutting instruments. SS White is proud to offer this distinctive product line to the dental profession. To assist you in making your selections we encourage you to use the ISO numbering system guide and the illustrated index to diamonds by shape and size. We hope that you will also find the product features, color-coded guides and technique tips to be useful resources of information.

DIAMOND INSTRUMENTS

FG / RA SOLD IN PACKS OF 5 (5PK) AND 25 (25PK)
HP SOLD IN PACKS OF 1 (1PK)

POINTED
FOOTBALL

ISO 257

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 257 544					F6368SC023
5 PK ● 806 314 257 534	F6C0368016	F6C0368020	F6C0368021	F6C0368023	
5 PK ● 806 314 257 524	F6368016	F6368018	F6368021	F6368023	
5 PK ● 806 314 257 514	F6368F016		F6368F021	F6368F023	
5 PK ● 806 314 257 504	F6368C016			F6368C023	
25 PK ● 806 314 257 534	F6C0368016-25	F6C0368020-25	F6C0368021-25	F6C0368023-25	
25 PK ● 806 314 257 524	F6368016-25	F6368018-25	F6368021-25	F6368023-25	
25 PK ● 806 314 257 514			F6368F021-25	F6368F023-25	
25 PK ● 806 314 257 504	F6368C016-25			F6368C023-25	

SPECIALTY
SHAPES

ISO 507

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 507 524	F6369A023
25 PK ● 806 314 507 524	F6369A023-25

SPECIALTY
SHAPES

ISO 260

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 260 504	F6378C018
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FOOTBALL



ISO 277

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 277 544	F6379SC023
5 PK ● 806 314 277 534	F6C0379018
5 PK ● 806 314 277 524	F6379018
5 PK ● 806 314 277 514	F6379F018
5 PK ● 806 314 277 504	F6379C018
25 PK ● 806 314 277 544	F6379SC023-25
25 PK ● 806 314 277 534	F6C0379018-25
25 PK ● 806 314 277 524	F6379018-25
25 PK ● 806 314 277 514	F6379F018-25
25 PK ● 806 314 277 504	F6379C018-25

FOOTBALL



ISO 274

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 274 514	F6390F014
5 PK ● 806 314 274 504	F6390C014
25 PK ● 806 314 274 514	F6390F014-25
25 PK ● 806 314 274 504	F6390C014-25



390-014

3.5

MOSQUITO
NOSE

ISO 465

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 465 504	F6392C016
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392-016

5

SPECIALTY
SHAPES

SPECIALTY
SHAPES

SPECIALTY
SHAPES

SPECIALTY
SHAPES

ISO 015

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 015 524 F6432016

432-016

2.1

ISO 195

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 195 524 F6467005
25 PK ● 806 314 195 524 F6467005-25

467-005

3

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 534 F6C0508016
5 PK ● 806 314 524 F6508016
5 PK ● 806 314 514 F6508F016
25 PK ● 806 314 534 F6C0508016-25 F6C0508018-25

508-016

3

508-018

3

ISO 162

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 162 524 F6800L010

800L-010

2



ROUND

ISO 001

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 001 544 F6801008 F6801009 F6801010 F6801012 F6801013 F6801014 F6801015 F6801016 F6801018 F6801021 F6801023 F6801027 F6801035
5 PK ● 806 314 001 534 F6C0801012 F6C0801014 F6C0801016 F6C0801018 F6C0801021 F6801035
5 PK ● 806 314 001 524 F6801008 F6801009 F6801010 F6801012 F6801013 F6801014 F6801015 F6801016 F6801018 F6801021 F6801023 F6801035
5 PK ● 806 314 001 514 F6801F013 F6801F014 F6801F015 F6801F016 F6801F018 F6801F021 F6801F023 F6801C035
5 PK ● 806 314 001 504 F6801C014 F6801C018 F6801C018 F6801C023
5 PK ○ 806 314 001 494 F6801CS014 F6801CS018 F6801CS023

25 PK ● 806 314 001 544 F6801008-25 F6801009-25 F6801010-25 F6801012-25 F6801013-25 F6801014-25 F6801015-25 F6801016-25 F6801018-25 F6801021-25 F6801023-25 F6801035-25
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25 PK ● 806 314 001 514 F6801F013-25 F6801F014-25 F6801F015-25 F6801F016-25 F6801F018-25 F6801F021-25 F6801F023-25 F6801C035-25
25 PK ● 806 314 001 504 F6801C014-25 F6801C018-25 F6801C023-25
25 PK ○ 806 314 001 494 F6801CS014-25 F6801CS023-25

313 FG Short

5 PK ● 806 313 001 524 F6801S010 F6801S014
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204 RA Standard

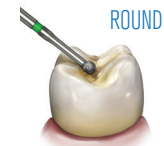
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204 RA Standard

25 PK ● 806 204 001 524 CA801012-25 CA801014-25

104HP

1 PK ● 806 104 001 524 HP801009 HP801012 HP801014 HP801016 HP801018 HP801023 HP801027



ROUND

ISO 001

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 001 534 F6C0801L014 F6C0801L016 F6C0801L018 F6C0801L021
5 PK ● 806 314 001 524 F6801L014 F6801L016 F6801L018 F6801L021

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801L-014

1.4

801L-016

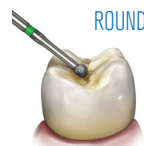
1.6

801L-018

1.8

801L-021

2.1



ROUND

ISO 002

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 002 534 F6C0802014
5 PK ● 806 314 002 524 F6802009 F6802010 F6802012 F6802014 F6802016 F6802018

25 PK ● 806 314 002 524 F6802009-25 F6802010-25 F6802012-25 F6802014-25 F6802016-25

204 RA Standard Right Angle
5 PK ● 806 204 002 524 CA802012 CA802014 CA802016 CA802018

802-009

802-010

802-012

802-014

802-016

802-018

INVERTED
CONE**ISO 010**

1/10 mm

L mm

314 FG Standard

5 PK	● 806 314 010 534	FGC0805010	FGC0805012	FGC0805014	FGC0805016	FGC0805018	
5 PK	● 806 314 010 524	FG805-0010	FG805012	FG805014	FG805016	FG805018	FG805021
5 PK	● 806 314 010 514			FG805F014			

5 PK	● 806 314 010 534			FGC0805014-25	FGC0805016-25	FGC0805018-25	
5 PK	● 806 314 010 524	FG805010-25	FG805012-25	FG805014-25	FG805016-25	FG805018-25	FG805021-25

313 FG Short

5 PK	● 806 313 010 524	FG805S010					
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204 RA Standard

5 PK	● 806 204 010 524	Right Angle		CA805014		CA805018	
25 PK	● 806 204 010 524	Right Angle			CA805016-25		

104 HP

1 PK	● 806 104 010 524	HP805012	HP805014	HP805016	HP805018		HP805027
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805-010
1.0805-012
1.2805-014
1.4805-016
1.6805-018
1.8805-021
2.1805-027
2.7INVERTED
CONE LONG**ISO 019**

1/10 mm

L mm

314 FG Standard

5 PK	● 806 314 019 534	FGC0806010	FGC0806012	FGC0806014	FGC0806016		
5 PK	● 806 314 019 524	FG806010	FG806012	FG806014	FG806016	FG806018	

25 PK	● 806 314 019 534	FGC0806010-25	FGC0806012-25		FGC0806016-25		
25 PK	● 806 314 019 524	FG806010-25	FG806012-25	FG806014-25	FG806016-25	FG806018-25	

204 RA Standard

5 PK	● 806 204 019 524	CA806012					
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806-010

806-012

806-014

806-016

806-018

INVERTED
CONE LONG**ISO 225**

1/10 mm

L mm

314 FG Standard

5 PK	● 806 314 225 534	FGC0807014	FGC0807016				
5 PK	● 806 314 225 524	FG807014	FG807016	FG807018			FG807024

25 PK	● 806 314 225 534	FGC0807014-25	FGC0807016-25				
25 PK	● 806 314 225 524	FG807014-25	FG807016-25	FG807018-25			FG807024-25

104 HP

1 PK	● 806 104 225 524		HP807016	HP807018	HP807021		
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807-014
3807-016
4807-018
5807-021
5807-024
10

BARREL

ISO 038

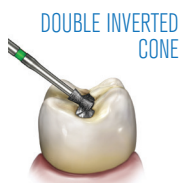
1/10 mm

L mm

314 FG Standard

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25 PK	● 806 314 038 534	FGC0811031-25	FGC0811033-25	FGC0811037-25	FGC0811047-25		
25 PK	● 806 314 038 524	FG811031-25			FG811047-25		
25 PK	● 806 314 038 514	FG811F031-25					

811-031
038
4811-033
038
5.5811-037
039
7811-047
039
7DOUBLE INVERTED
CONE**ISO 032**

1/10 mm

L mm

314 FG Standard

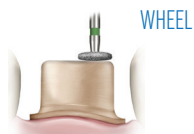
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313 FG Short

5 PK	● 806 313 032 524				FG813S014		
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813-010
1.5813-012
1.5813-014
1.5813-018
1.5



WHEEL

ISO 042

1/10 mm

815-012

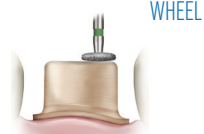
815-016

815-018

314 FG Standard

5 PK ● 806 314 042 524 F6815012 F6815016 F6815018

25 PK ● 806 314 042 524 F6815012-25 F6815016-25 F6815018-25



WHEEL

ISO 041

1/10 mm

818-045

818-060

L mm

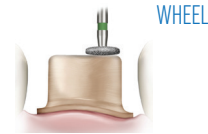
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0.5

314 FG Standard

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5 PK ● 806 314 041 524 F6818045

25 PK ● 806 314 041 524 F6818045-25 F6818060-25



WHEEL

ISO 042

1/10 mm

819-035

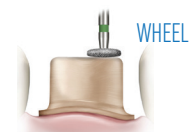
L mm

0.9

314 FG Standard

5 PK ● 806 314 042 534 F6C0819035
5 PK ● 806 314 042 524 F6819035

25 PK ● 806 314 042 524 F6819035-25



WHEEL

ISO 042

1/10 mm

820-042

820-050

L mm

1.5

2

314 FG Standard

5 PK ● 806 314 042 534 F6C0820042

5 PK ● 806 314 042 524 F6820042 F6820050

25 PK ● 806 314 042 524 F6820042-25

204 RA Standard Right Angle

5 PK ● 806 204 042 524 CA820050

104 HP

1 PK ● 806 104 042 524 HP820050

MUSHROOM

ISO 304

1/10 mm

825-016

825-023

825-042

314 FG Standard

5 PK ● 806 314 304 524 F6825016 F6825023 F6825042

25 PK ● 806 314 304 524 F6825042-25

ISO 304

1/10 mm

826-025

104 HP

1 PK ● 806 104 304 524 HP826025

DEPTH CUTTER

ISO 054

1/10 mm

828-022

828-026

L mm

1

1

314 FG Standard

5 PK ● 806 314 054 524 F6828022 F6828026

25 PK ● 806 314 054 524 F6828022-25 F6828026-25



PEAR

ISO 237

1/10 mm

830-008

830-010

830-012

830-016

L mm

2.5

3

3

3

314 FG Standard

5 PK ● 806 314 237 534 F6C0830008 F6C0830010 F6C0830012

5 PK ● 806 314 237 524 F6830008 F6830010 F6830012 F6830016

5 PK ● 806 314 237 514 F6830F010

25 PK ● 806 314 237 534 F6C0830008-25 F6C0830010-25 F6C0830012-25

25 PK ● 806 314 237 524 F6830008-25 F6830010-25 F6830012-25 F6830016-25

25 PK ● 806 314 237 514 F6830F016-25

313 FG Short

5 PK ● 806 313 237 524 F6830S008



PEAR LONG

ISO 239

1/10 mm

830L-014

830L-016

830L-021

L mm

5

5

5

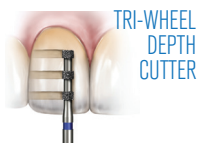
314 FG Standard

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5 PK ● 806 314 239 514 F6830LF014

25 PK ● 806 314 239 524 F6830L014-25 F6830L016-25 F6830L021-25

25 PK ● 806 314 239 514 F6830LF014-25



ISO 552

1/10 mm

L mm

T mm

314 FG Standard

5 PK ● 806 314 552 524 F6834016 F6834021

25 PK ● 806 314 552 524 F6834016-25 F6834021-25

834-016

6

0.3

834-021

6

0.5

FLAT END CYLINDER

ISO 108

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 108 534 F6C0835008 F6C0835009 F6C0835010 F6C0835012 F6C0835014

5 PK ● 806 314 108 524 F6835008 F6835009 F6835010 F6835012 F6835014 F6835016

5 PK ● 806 314 108 514 F6835F010 F6835F014

25 PK ● 806 314 108 534 F6C0835008-25 F6C0835009-25 F6C0835010-25 F6C0835012-25 F6C0835014-25

25 PK ● 806 314 108 524 F6835008-25 F6835009-25 F6835010-25 F6835012-25 F6835014-25 F6835016-25

25 PK ● 806 314 108 514 F6835F010-25 F6835F014-25

313 FG Short

5 PK ● 806 313 108 524 F6835S009 F6835S010 F6835S012 F6835S014

204 RA Standard Right Angle

5 PK ● 806 204 108 524 CA835012 CA835014 CA835016

104 HP

1 PK ● 806 104 108 524 HP835010 HP835012

FLAT END CYLINDER

ISO 110

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 110 534 F6C0836012 F6C0836014

5 PK ● 806 314 110 524 F6836012 F6836014

5 PK ● 806 314 110 514 F6836F012

25 PK ● 806 314 110 534 F6C0836012-25 F6C0836014-25

25 PK ● 806 314 110 524 F6836012-25 F6836014-25

25 PK ● 806 314 110 514 F6836F012-25

5 PK 204 RA Standard Right Angle

● 806 204 110 524 CA836012

1 PK 104 HP

● 806 104 110 524 HP836012

836-012

6

836-014

6

FLAT END CYLINDER

ISO 111

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 111 544 F6837S014

5 PK ● 806 314 111 534 F6C0837012 F6C0837014 F6C0837016 F6C0837018

5 PK ● 806 314 111 524 F6837012 F6837014 F6837016 F6837018

5 PK ● 806 314 111 514 F6837F014

25 PK ● 806 314 111 544 F6837S014-25

25 PK ● 806 314 111 534 F6C0837012-25 F6C0837014-25 F6C0837016-25 F6C0837018-25

25 PK ● 806 314 111 524 F6837012-25 F6837014-25 F6837016-25 F6837018-25

25 PK ● 806 314 111 514 F6837F014-25

313 FG Short

5 PK ● 806 313 111 524 F6837S014

204 RA Standard Right Angle

5 PK ● 806 204 111 524 CA837014 CA837016

104 HP

1 PK ● 806 104 111 524 HP837012 HP837016 HP837021 HP837027

837-012

8

837-014

8

837-016

8

837-018

8

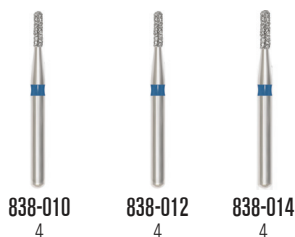
837-021

8

837-027

8

ROUND END CYLINDER



ISO 139

1/10 mm

L mm

314 FG Standard

5 PK	●	806	314	139	544	F6838SC010	F6838SC012	
5 PK	●	806	314	139	534	F6C0838010	F6C0838012	F6C0838014
5 PK	●	806	314	139	524	F6838010	F6838012	F6838014
5 PK	●	806	314	139	514		F6838F012	
25 PK	●	806	314	139	544	F6838SC010-25	F6838SC012-25	
25 PK	●	806	314	139	534		F6C0838012-25	
25 PK	●	806	314	139	524		F6838012-25	
25 PK	●	806	314	139	514	F6838010-25	F6838F012-25	F6838014-25

MODIFIED BEVELED CYLINDER



ISO 289

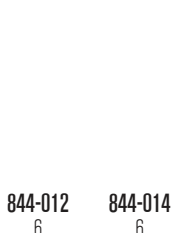
1/10 mm

L mm

314 FG Standard

5 PK	●	806	314	289	534	F6C0839016	
5 PK	●	806	314	289	524	F6839016	
25 PK	●	806	314	289	534	F6C0839016-25	
25 PK	●	806	314	289	524	F6839016-25	

FLAT END TAPER



ISO 171

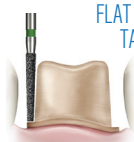
1/10 mm

L mm

314 FG Standard

5 PK	●	806	314	171	524	F6844012	F6844014
25 PK	●	806	314	171	524	F6844012-25	F6844014-25

FLAT END TAPER



ISO 170

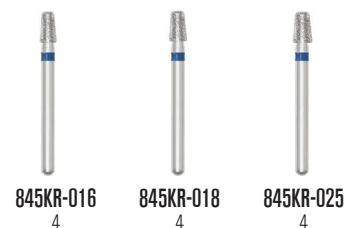
1/10 mm

L mm

314 FG Standard

5 PK	●	806	314	170	534		F6C0845010	F6C0845012	F6C0845014
5 PK	●	806	314	170	524	F6845009	F6845010	F6845012	F6845014
5 PK	●	806	314	170	514			F6845F012	
5 PK	●	806	314	170	534				F6C0845014-25
5 PK	●	806	314	170	524	F6845009-25	F6845010-25	F6845012-25	F6845014-25
204 RA Standard Right Angle									
25 PK	●	806	204	170	524				CA845016-25
104 HP									
1 PK	●	806	104	170	524		HP845010	HP845012	HP845016

MODIFIED FLAT END TAPER



ISO 544

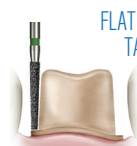
1/10 mm

L mm

314 FG Standard

5 PK	●	806	314	544	534	F6C0845KR016	F6C0845KR018	F6C0845KR025
5 PK	●	806	314	544	524		F6845KR018	F6845KR025
25 PK	●	806	314	544	534	F6C0845KR016-25		F6C0845KR025-25
25 PK	●	806	314	544	524		F6845KR018-25	F6845KR025-25
313 FG Short								
5 PK	●	806	313	544	534		F6C0845KRS018	

FLAT END TAPER



ISO 171

1/10 mm

L mm

314 FG Standard

5 PK	●	806	314	171	534	F6C0846014	F6C0846016	F6C0846018	F6C0846021
5 PK	●	806	314	171	524	F6846014	F6846016	F6846018	F6846021
5 PK	●	806	314	171	514	F6846F014	F6846F016		
25 PK	●	806	314	171	534	F6C0846014-25	F6C0846016-25	F6C0846018-25	F6C0846021-25
25 PK	●	806	314	171	524	F6846014-25	F6846016-25	F6846018-25	F6846021-25
25 PK	●	806	314	171	514	F6846F014-25	F6846F016-25		
104 HP									
1 PK	●	806	104	171	524		HP846016		

MODIFIED FLAT END TAPER

ISO 545

1/10 mm

L mm

314 FG Standard

5 PK	●	806 314 545 534	FGC0846KR014	FGC0846KR016	
5 PK	●	806 314 545 524	FG846KR014	FG846KR016	FG846KR018
25 PK	●	806 314 545 534	FGC0846KR014-25	FGC0846KR016-25	FGC0846KR018-25
25 PK	●	806 314 545 524	FG846KR014-25	FG846KR016-25	FG846KR018-25

FLAT END TAPER

ISO 172

1/10 mm

L mm

314 FG Standard

5 PK	●	806 314 172 544		FG847SC014	FG847SC016	FG847SC018	
5 PK	●	806 314 172 534	FGC0847012	FGC0847014	FGC0847016	FGC0847018	FGC0847020
5 PK	●	806 314 172 524	FG847012	FG847014	FG847016	FG847018	FG847021
5 PK	●	806 314 172 514		FG847F014	FG847F016	FG847F018	
25 PK	●	806 314 172 544			FG847SC016-25		
25 PK	●	806 314 172 534	FGC0847012-25	FGC0847014-25	FGC0847016-25	FGC0847018-25	FGC0847020-25
25 PK	●	806 314 172 524	FG847012-25	FG847014-25	FG847016-25	FG847018-25	FG847021-25
25 PK	●	806 314 172 514		FG847F014-25	FG847F016-25	FG847F018-25	

313 FG Short

5 PK	●	806 313 172 534		FGC0847S014	
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312 FG Shorter than Short

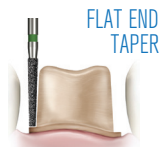
5 PK	●	806 312 172 544		FG847SC014SS	FG847SC016SS
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204 RA Standard

5 PK	●	806 204 172 524		CA847014	CA847016		CA847021
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104 HP

1 PK	●	806 104 172 524			HP847016	HP847018	
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FLAT END TAPER

ISO 172

1/10 mm

L mm

314 FG Standard

5 PK	●	806 314 172 534	FGC0847L014	FGC0847L016	
5 PK	●	806 314 172 524	FG847L014	FG847L016	
5 PK	●	806 314 172 514	FG847LF014		
25 PK	●	806 314 172 534	FGC0847L014-25		
25 PK	●	806 314 172 524	FG847L014-25	FG847L016-25	
25 PK	●	806 314 172 514	FG847LF014-25	FG847LF016-25	

MODIFIED FLAT END TAPER

ISO 546

1/10 mm

L mm

314 FG Standard

5 PK	●	806 314 546 544	FG847KRSC016	FG847KRSC018	
5 PK	●	806 314 546 534		FGC0847KR018	
5 PK	●	806 314 546 524	FG847KR016	FG847KR018	
5 PK	●	806 314 546 514	FG847KRF016	FG847KRF018	
25 PK	●	806 314 546 534	FGC0847KR016-25	FGC0847KR018-25	
25 PK	●	806 314 546 524	FG847KR016-25	FG847KR018-25	
25 PK	●	806 314 546 514	FG847KRF016-25	FG847KRF018-25	

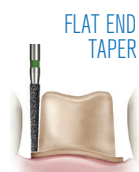
313 FG Short

5 PK	●	806 313 546 544		FG847KRSC016	
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25 PK	●	806 313 546 534		FGC0847KRSC016-25	
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312 FG Shorter than Short

5 PK	●	806 312 546 544		FG847KRSC016SS	
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**ISO 173**

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 173 544	F6848SC016	F6848SC018	
5 PK ●	806 314 173 534	F6C0848016	F6C0848018	F6C0848021
5 PK ●	806 314 173 524	F6848016	F6848018	F6848021
5 PK ●	806 314 173 514	F6848F016	F6848F018	
5 PK ●	806 314 173 504		F6848C018	
5 PK ○	806 314 173 494		F6848CS018	
25 PK ●	806 314 173 544		F6848SC018-25	
25 PK ●	806 314 173 534	F6C0848016-25	F6C0848018-25	F6C0848021-25
25 PK ●	806 314 173 524	F6848016-25	F6848018-25	F6848021-25
25 PK ●	806 314 173 514		F6848F018-25	
25 PK ●	806 314 173 504		F6848C018-25	
25 PK ○	806 314 173 494		F6848CS018-25	

313 FG Short

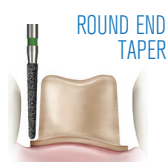
5 PK ●	806 313 173 534		F6848S018
5 PK ●	806 313 173 524	F6848S016	

204 RA Standard Right Angle

5 PK ●	806 204 173 524	CA848016	CA848023
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104 HP

1 PK ●	806 104 173 524	HP848016	HP848023
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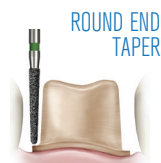
**ISO 195**

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 195 534		F6C0849012
5 PK ●	806 314 195 524		F6849012
5 PK ●	806 314 195 514	F6849F011	F6849F012
5 PK ●	806 314 195 504	F6849C011	
25 PK ●	806 314 195 534		F6C0849012-25
25 PK ●	806 314 195 524		F6849012-25
25 PK ●	806 314 195 514	F6849F011-25	F6849F012-25

**ISO 199**

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 199 544	F6850SC012	F6850SC014	F6850SC016	F6850SC018	
5 PK ●	806 314 199 534	F6C0850012	F6C0850014	F6C0850016	F6C0850018	F6C0850021
5 PK ●	806 314 199 524	F6850012	F6850014	F6850016	F6850018	F6850021
5 PK ●	806 314 199 514	F6850F012	F6850F014	F6850F016	F6850F018	F6850F021
25 PK ●	806 314 199 544	F6850SC012-25	F6850SC014-25	F6850SC016-25	F6850SC018-25	
25 PK ●	806 314 199 534		F6C0850014-25	F6C0850016-25	F6C0850018-25	F6C0850021-25
25 PK ●	806 314 199 524	F6850012-25	F6850014-25	F6850016-25	F6850018-25	F6850021-25
25 PK ●	806 314 199 514	F6850F012-25	F6850F014-25	F6850F016-25	F6850F018-25	F6850F021-25

313 FG Short

5 PK ●	806 313 199 534		F6C0850S016		
5 PK ●	806 313 199 524		F6850S016	F6850S018	F6850S021
25 PK ●	806 313 199 524				F6850S021-25

204 RA Standard

5 PK ●	806 204 199 514	CA850F018
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SAFE
END TAPER**ISO 219**

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 219 524	F6851010	F6851012	F6851014	F6851016
5 PK ●	806 314 219 514		F6851F012	F6851F014	F6851F016
25 PK ●	806 314 219 524		F6851012-25	F6851014-25	F6851016-25
25 PK ●	806 314 219 514			F6851F014-25	F6851F016-25



ISO 164

1/10 mm

L mm

314 FG Standard

5 PK	●	806 314 164 534	F6C0852010	F6C0852012
5 PK	●	806 314 164 524	F6852010	F6852012
5 PK	●	806 314 164 514		F6852F012
5 PK	●	806 314 164 504		F6852C012
5 PK	○	806 314 164 494		F6852CS012

25 PK	●	806 314 164 534	F6C0852010-25	
25 PK	●	806 314 164 524	F6852010-25	F6852012-25
25 PK	●	806 314 164 514		F6852F012-25
25 PK	●	806 314 164 504		F6852C012-25
25 PK	○	806 314 164 494		F6852CS012-25

313 FG Short

5 PK	●	806 313 164 524	F6852S012
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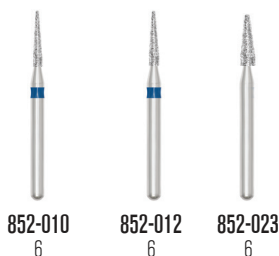
204 RA Standard Right Angle

5 PK	●	806 204 164 524	CA852023
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25 PK	●	806 204 164 524	CA853012-25
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104 HP

1 PK	●	806 104 164 524	HP852012
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ISO 219

1/10 mm

L mm

204 RA Standard Right Angle

25 PK	●	806 204 219 524	CA853012-25
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ISO 199

1/10 mm

L mm

314 FG Standard

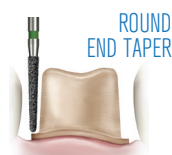
5 PK	●	806 314 199 524	F6854016	F6854018
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854-016

6

854-018

6



ISO 197

1/10 mm

L mm

314 FG Standard

5 PK	●	806 314 197 544	F6855SC014	F6855SC016	F6855SC018	F6855SC025
5 PK	●	806 314 197 534	F6C0855014	F6C0855016	F6C0855018	F6C0855025
5 PK	●	806 314 197 524	F6855012	F6855014	F6855016	F6855018
5 PK	●	806 314 197 514	F6855F012	F6855F016	F6855F018	

25 PK	●	806 314 197 544		F6855SC016-25		F6855SC018-25
25 PK	●	806 314 197 534		F6C0855016-25	F6C0855018-25	F6C0855025-25
25 PK	●	806 314 197 524	F6855012-25	F6855014-25	F6855016-25	F6855018-25
25 PK	●	806 314 197 514	F6855F012-25	F6855F014-25	F6855F016-25	F6855F018-25

313 FG Short

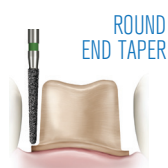
5 PK	●	806 313 197 534	F6C0855S014	
5 PK	●	806 313 197 524		F6855S016

25 PK	●	806 313 197 524		F6855S025-25
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104 HP

1 PK	●	806 104 197 524	HP855014
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ROUND
END TAPER

ISO 198

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 198 544	F6856SC012	F6856SC014	F6856SC016	F6856SC018	F6856SC020	F6856SC021	F6856SC025
5 PK ● 806 314 198 534	F6C0856012	F6C0856014	F6C0856016	F6C0856018	F6C0856020	F6C0856021	F6C0856025
5 PK ● 806 314 198 524	F6856012	F6856014	F6856016	F6856018		F6856021	F6856025
5 PK ● 806 314 198 514	F6856F012	F6856F014	F6856F016	F6856F018		F6856F021 F6856F023 F6856F024	

25 PK ● 806 314 198 544		F6856SC016-25	F6856SC018-25	F6856SC020-25	F6856SC021-25	F6856SC025-25
25 PK ● 806 314 198 534	F6C0856012-25	F6C0856014-25	F6C0856016-25	F6C0856018-25	F6C0856020-25	F6C0856025-25
25 PK ● 806 314 198 524	F6856012-25	F6856014-25	F6856016-25	F6856018-25	F6856021-25	F6856025-25
25 PK ● 806 314 198 514	F6856F012-25	F6856F014-25	F6856F016-25	F6856F018-25	F6856F021-25 F6856F023-25 F6856F024-25	

313 FG Short

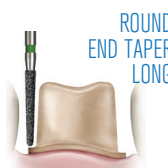
5 PK ● 806 313 198 544	F6C0856S012	F6C0856S014	F6856SC016SS
5 PK ● 806 313 198 534			F6C0856S016
● 806 313 198 524			F6856S016

204 RA Standard Right Angle

5 PK ● 806 204 198 524	CA856016
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104 HP

1 PK ● 806 104 198 524	HP856016
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ROUND
END TAPER
LONG

ISO 198

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 198 544	F6856LSC014	F6856LSC016	F6856LSC018
5 PK ● 806 314 198 534	F6C0856L014	F6C0856L016	F6C0856L018
5 PK ● 806 314 198 524	F6856L014	F6856L016	F6856L018
5 PK ● 806 314 198 514	F6856LF014	F6856LF016	F6856LF018

25 PK ● 806 314 198 544	F6856LSC014-25	F6856LSC016-25	F6856LSC018-25
25 PK ● 806 314 198 534	F6C0856L014-25	F6C0856L016-25	F6C0856L018-25
25 PK ● 806 314 198 524	F6856L014-25	F6856L016-25	F6856L018-25
25 PK ● 806 314 198 514	F6856LF014-25	F6856LF016-25	F6856LF018-25

SAFE END TAPER-
BATT BUR

ISO 220

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 220 524	F6857014	F6857016
25 PK ● 806 314 220 524	F6857014-25	F6857016-25

NEEDLE



ISO 165

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 165 544						F6858SC014
5 PK ● 806 314 165 534						F6C0858014
5 PK ● 806 314 165 524						F6C0858016
5 PK ● 806 314 165 514						F6C0858018
5 PK ● 806 314 165 504						F6858C008
5 PK ● 806 314 165 544						F6858C014

25 PK ● 806 314 165 544						F6858SC014-25
25 PK ● 806 314 165 534						F6C0858014-25
25 PK ● 806 314 165 524						F6C0858016-25
25 PK ● 806 314 165 514						F6C0858018-25
25 PK ● 806 314 165 504						F6858C008-25
25 PK ● 806 314 165 544						F6858C014-25

313 FG Short

25 PK ● 806 313 165 534						F6C0858S014-25
25 PK ● 806 313 165 524						F6858S014-25

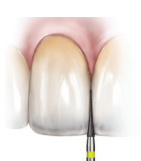
204 RA Standard Right Angle

5 PK ● 806 204 165 524						CA858014
5 PK ● 806 204 165 514						CA858016

104 HP

1 PK ● 806 104 165 524						HP858014
						HP858016

NEEDLE



ISO 167

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 167 534						F6C0859010
5 PK ● 806 314 167 524						F6859010
5 PK ● 806 314 167 514						F6859F010
5 PK ● 806 314 167 504						F6859C014
5 PK ○ 806 314 167 494						F6859CS014

25 PK ● 806 314 167 534						F6C0859010-25
25 PK ● 806 314 167 524						F6859010-25
25 PK ● 806 314 167 514						F6859F010-25
25 PK ● 806 314 167 504						F6859C014-25
25 PK ○ 806 314 167 494						F6859CS014-25

313 FG Short

5 PK ● 806 313 167 524						F6859S010
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25 PK ● 806 313 167 534						F6C0859S014-25
25 PK ● 806 313 167 524						F6859S010-25

204 RA Standard Right Angle

5 PK ● 806 204 167 514						CA859018
5 PK ● 806 204 167 504						CA859F018
5 PK ○ 806 204 167 494						CA859C018

25 PK ● 806 204 167 534						CA859C018-25
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104 HP

1 PK ● 806 104 167 524						HP859016
						HP859018

LONG
NEEDLE

ISO 222

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 222 524						F6859R016
5 PK ● 806 314 222 514						F6859RF016

25 PK ● 806 314 222 524						F6859R016-25
25 PK ● 806 314 222 514						F6859RF016-25

859R-016
10

**ISO 247**

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 247 534	FGC0860010		FGC0860014	FGC0860016
5 PK ● 806 314 247 524	FG860010	FG860012	FG860014	FG860016
5 PK ● 806 314 247 514		FG860F012		
5 PK ● 806 314 247 504		FG860C012		
5 PK ○ 806 314 247 494		FG860CS012		

25 PK ● 806 314 247 534		FGC0860014-25	
25 PK ● 806 314 247 524	FG860012-25	FG860014-25	FG860016-25
25 PK ● 806 314 247 504	FG860C012-25		

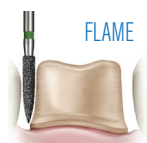
204 RA Standard

Right Angle

5 PK ● 806 204 247 524	CA860010	
5 PK ● 806 204 247 514		CA860F012

104 HP

1 PK ● 806 104 247 524	HP860012	HP860014
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**ISO 249**

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 249 544		FG862SC012	FG862SC014	FG862SC016	
5 PK ● 806 314 249 534	FGC0862010	FGC0862012	FGC0862014	FGC0862016	
5 PK ● 806 314 249 524	FG862010	FG862012	FG862014	FG862016	FG862017
5 PK ● 806 314 249 514	FG862F010	FG862F012	FG862F014	FG862F016	FG862F017
5 PK ● 806 314 249 504	FG862C010	FG862C012	FG862C014		
5 PK ○ 806 314 249 494		FG862CS012	FG862CS014		

25 PK ● 806 314 249 534		FGC0862014-25	FGC0862016-25	
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25 PK ● 806 314 249 504	FG862C010-25	FG862C012-25	FG862C014-25	

313 FG Short

5 PK ● 806 313 249 544	FG862SCS012
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312 FG Shorter than Short

5 PK ● 806 312 249 544	FG862SC012SS
5 PK ● 806 312 249 534	FGC0862SS012

104 HP

1 PK ● 806 104 249 524	HP862014
------------------------	----------

ROUND
END CYLINDER**ISO 248**

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 248 534		FGC0861016
5 PK ● 806 314 248 524	FG861012	FG861016

25 PK ● 806 314 248 534		FGC0861016-25
25 PK ● 806 314 248 524	FG861012-25	FG861016-25

104 HP

1 PK ● 806 104 248 524	HP861016
------------------------	----------

ISO 249

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 249 534	FGC0862L018
5 PK ● 806 314 249 524	FG862L018
5 PK ● 806 314 249 514	FG862LF018

25 PK ● 806 314 249 524	FG862L018-25
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FLAT END CYLINDER



ISO 250

1/10 mm

L mm

863-012
8

863-014
8

863-016
8

863-018
8

314 FG Standard

5 PK ● 806 314 250 534 FGC0863012 FGC0863014 FGC0863016 FGC0863018

5 PK ● 806 314 250 524 FG863012 FG863014 FG863016 FG863018

5 PK ● 806 314 250 514 FG863F012 FG863F014 FG863F016 FG863F018

25 PK ● 806 314 250 534 FGC0863014-25 FGC0863016-25 FGC0863018-25

25 PK ● 806 314 250 524 FG863012-25 FG863014-25 FG863016-25 FG863018-25

25 PK ● 806 314 250 514 FG863F016-25 FG863F018-25

313 FG Short

5 PK ● 806 313 250 524 FG863S012 FG863S014 FG863S016

204 RA Standard

5 PK ● 806 204 250 524 CA863018

104 HP

1 PK ● 806 104 250 524 HP863014 HP863018

POINTED FOOTBALL



ISO 243

1/10 mm

L mm

868-016
5

868-018
5

868-021
5

868-022
5

868-023
5

868-024
5

314 FG Standard

5 PK ● 806 314 243 534 FGC0868016 FGC0868018 FGC0868021 FGC0868024

5 PK ● 806 314 243 524 FG868016 FG868018 FG868021 FG868024

5 PK ● 806 314 243 514 FG868F016 FG868F018 FG868F022 FG868F023

5 PK ● 806 314 243 504 FG868C016 FG868C018 FG868C021 FG868C023

5 PK ○ 806 314 243 494 FG868CS016 FG868CS018 FG868CS021

25 PK ● 806 314 243 534 FGC0868016-25 FGC0868018-25 FGC0868021-25 FGC0868024-25

25 PK ● 806 314 243 524 FG868016-25 FG868018-25 FG868021-25 FG868024-25

25 PK ● 806 314 243 514 FG868F016-25 FG868F018-25 FG868F022-25 FG868F023-25

25 PK ● 806 314 243 504 FG868C016-25 FG868C018-25 FG868C021-25 FG868C023-25

25 PK ○ 806 314 243 494 FG868CS016-25 FG868CS018-25 FG868CS021-25

204 RA Standard Right Angle

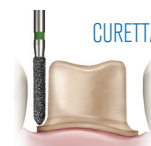
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5 PK ● 806 204 243 514 CA868F018

5 PK ● 806 204 243 504 CA868C018

5 PK ○ 806 204 243 494 CA868CS018

CURETTAGE



ISO 296

1/10 mm

L mm

876K-012

5

314 FG Standard

5 PK ● 806 314 296 524 FG876K012

MODIFIED BEVELED CYLINDER



ISO 288

1/10 mm

L mm

877-010
6

877-012
6

314 FG Standard

5 PK ● 806 314 288 534 FGC0877010 FGC0877012

5 PK ● 806 314 288 524 FG877010 FG877012

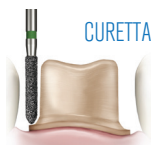
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25 PK ● 806 314 288 524 FG877012-25

204 RA Standard Right Angle

5 PK ● 806 204 288 524 CA877012

CURETTAGE



ISO 297

1/10 mm

L mm

877K-012
6

877K-014
6

877K-016
6

314 FG Standard

5 PK ● 806 314 297 534 FGC0877K016

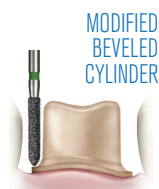
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25 PK ● 806 314 297 524 FG877K012-25 FG877K014-25 FG877K016-25

25 PK ● 806 314 297 514 FG877KF016-25

**ISO 289**

1/10 mm

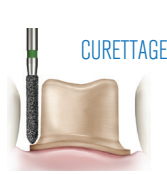
L mm

314 FG Standard

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5 PK ●	806 314 289 524	F6878012	F6878014	F6878016
5 PK ●	806 314 289 514	F6878F012	F6878F014	F6878F016
25 PK ●	806 314 289 534			F6C0878016-25
25 PK ●	806 314 289 524	F6878012-25	F6878014-25	F6878016-25
25 PK ●	806 314 289 514	F6878F012-25		F6878F016-25

204 RA Standard Right Angle

5 PK ●	806 204 289 524	CA878012	CA878014
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**ISO 298**

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 298 544		F6878KSC014	F6878KSC016	F6878KSC018
5 PK ●	806 314 298 534	F6C0878K012	F6C0878K014	F6C0878K016	F6C0878K018
5 PK ●	806 314 298 524	F6878K012	F6878K014	F6878K016	F6878K018
5 PK ●	806 314 298 514	F6878KF012	F6878KF014	F6878KF016	F6878KF018
25 PK ●	806 314 298 544		F6878KSC014-25	F6878KSC016-25	F6878KSC018-25
25 PK ●	806 314 298 534	F6C0878K012-25	F6C0878K014-25	F6C0878K016-25	F6C0878K018-25
25 PK ●	806 314 298 524	F6878K012-25	F6878K014-25	F6878K016-25	F6878K018-25
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**ISO 290**

1/10 mm

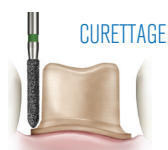
L mm

314 FG Standard

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5 PK ●	806 314 290 524	F6879012	F6879014	F6879016
5 PK ●	806 314 290 514	F6879F012	F6879F014	F6879F016
25 PK ●	806 314 290 534		F6C0879014-25	
25 PK ●	806 314 290 524	F6879012-25	F6879014-25	F6879016-25
25 PK ●	806 314 290 514	F6879F012-25	F6879F014-25	F6879F016-25

204 RA Standard Right Angle

5 PK ●	806 204 290 524	CA879014
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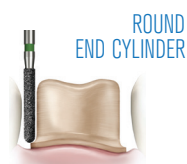
**ISO 299**

1/10 mm

L mm

314 FG Standard

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5 PK ●	806 314 299 514	F6879KF012	F6879KF014	F6879KF016	F6879KF017	F6879KF018	F6879KF021
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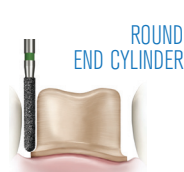
**ISO 140**

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 140 534	F6C0880010	F6C0880012	F6C0880014	F6C0880021
5 PK ●	806 314 140 524	F6880010	F6880012	F6880014	F6880021
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25 PK ●	806 314 140 524	F6880010-25	F6880012-25	F6880014-25	F6880021-25
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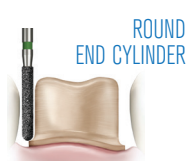

ROUND
END CYLINDER

ISO 141
1/10 mm
L mm

314 FG Standard

5 PK ● 806 314 141 544					F6881SC016	F6881SC018
5 PK ● 806 314 141 534	F6C0881009		F6C0881012	F6C0881014	F6C0881016	F6C0881018
5 PK ● 806 314 141 524		F6881010	F6881012	F6881014	F6881016	F6881018
5 PK ● 806 314 141 514		F6881F010	F6881F012	F6881F014	F6881F016	F6881F018
5 PK ● 806 314 141 504					F6881C016	

25 PK ● 806 314 141 534	F6C0881009-25	F6C0881012-25	F6C0881014-25	F6C0881016-25	F6C0881018-25
25 PK ● 806 314 141 524		F6881010-25	F6881012-25	F6881016-25	F6881018-25
25 PK ● 806 314 141 514		F6881F010-25	F6881F012-25	F6881F016-25	
25 PK ● 806 314 141 504				F6881C016-25	


ROUND
END CYLINDER

ISO 142

1/10 mm
L mm

314 FG Standard

5 PK ● 806 314 142 534	F6C0882016
5 PK ● 806 314 142 524	F6882010
25 PK ● 806 314 142 524	F6882010-25


882-010 882-016
10 10

SPECIALITY
SHAPES

ISO 539

1/10 mm
L mm

314 FG Standard

5 PK ● 806 314 539 534		F6C0883010
5 PK ● 806 314 539 524	F6883007	F6883010
5 PK ● 806 314 539 514	F6883F007	
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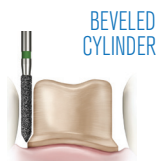

BEVELED
CYLINDER

ISO 129

1/10 mm
L mm

314 FG Standard

5 PK ● 806 314 129 534		F6C0884012
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5 PK ● 806 314 129 514		F6884F012
25 PK ● 806 314 129 524	F6884010-25	F6884012-25

884-010 884-012
6 6

BEVELED
CYLINDER

ISO 130

1/10 mm
L mm

314 FG Standard

5 PK ● 806 314 130 544				F6885SC014
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5 PK ● 806 314 130 514		F6885F012	F6885F014	F6885F016
5 PK ● 806 314 130 504		F6885C012		F6885C016

25 PK ● 806 314 130 534	F6C0885010-25	F6C0885012-25	F6C0885014-25	
25 PK ● 806 314 130 524	F6885010-25	F6885012-25	F6885014-25	F6885016-25
25 PK ● 806 314 130 514		F6885F012-25	F6885F014-25	


MODIFIED
BEVELED
CYLINDER

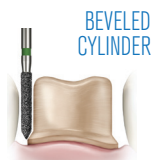
ISO 130

1/10 mm
L mm

314 FG Standard

25 PK ● 806 314 130 514	F6885KF020-25
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885K-020
8

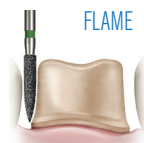
BEVELED
CYLINDER**ISO 131**

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 131 534	FGC0886012	FGC0886014	FGC0886016
5 PK ●	806 314 131 524	FG886012	FG886014	FG886016
5 PK ●	806 314 131 514	FG886F012	FG886F014	FG886F016
25 PK ●	806 314 131 524	FG886012-25	FG886014-25	FG886016-25

886-012
10886-014
10886-016
10

FLAME

ISO 496

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 496 544	FG888SC012		
5 PK ●	806 314 496 534	FGC0888012	FGC0888016	
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5 PK ●	806 314 496 514	FG888F012		
5 PK ●	806 314 496 504	FG888C012		
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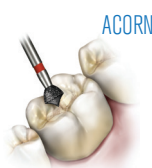
888-012
7888-016
7888-018
7SPECIALTY
SHAPES**ISO 540**

1/10 mm

L mm

314 FG Standard

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5 PK ●	806 314 540 524	FG889010	
5 PK ●	806 314 540 514	FG889F010	
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25 PK ●	806 314 540 524	FG889010-25	
25 PK ●	806 314 540 514	FG889F010-25	

889-010
4

ACORN

ISO 031

1/10 mm

L mm

314 FG Standard

5 PK ●	806 314 031 524	FG905023	FG905027	FG905031
5 PK ●	806 314 031 514	FG905F023	FG905F027	FG905F031
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25 PK ●	806 314 031 514		FG905F027-25	

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2.6905-027
2.7905-031
3

WHEEL

ISO 068

1/10 mm

L mm

314 FG Standard

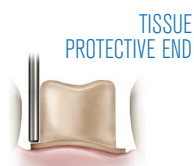
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909-031
1909-033
1.5909-035
1.5909-040
1.5909-042
1.5909-055
1.6

104 HP

1 PK ● 806 104 068 524

HP909055



ISO 150

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 150 524 F610839010 F610839012 F610839014 F610839016

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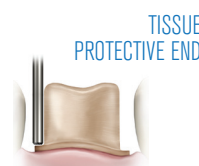


10839-010
0.4

10839-012
0.4

10839-014
0.4

10839-016
0.4



ISO 150

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 150 524 F610839L010

25 PK ● 806 314 150 524 F610839L010-25



10839L-010
0.4

PROSTHESIS CYLINDER AND CONE

ISO

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 524 F6BR1016 F6BR2018 F6BR3018 F6BR4020

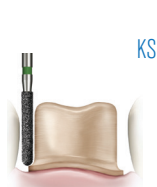
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BR1 016
7

BR2 018
10

BR3 018
8

BR4 020
10



ISO 141

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 141 544 F6KS03SC009 F6KS13SC012 F6KS23SC014 F6KS33SC015 F6KS35SC016

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KS03
KS-009
7



KS13
KS-012
7



KS23
KS-014
8



KS33
KS-015
8



KS35
KS-016
8

FINISHING



ISO 216

ISO 217

ISO 218

ISO 219

1/10 mm

L mm

314 FG Standard

5 PK ● 806 314 514 F6SE3F010 F6SE4F012 F6SE6F016 F6SE8F016 F6SE9F016

5 PK ● 806 314 504 F6SE3C010 F6SE4C012 F6SE6C016 F6SE8C016 F6SE9C016

25 PK ● 806 314 514 F6SE3F010-25 F6SE4F012-25 F6SE6F016-25 F6SE8F016-25 F6SE9F016-25

25 PK ● 806 314 504 F6SE3C010-25 F6SE4C012-25 F6SE6C016-25 F6SE8C016-25 F6SE9C016-25



SE3
SE-010
216
3



SE4
SE-012
217
4



SE6
SE-016
218
6



SE8
SE-016
218
8



SE9
SE-016
219
9

TDA® Turbo-Double Action Diamond Instruments

High cutting efficiency means reduced chair time!

TDA®
DIAMOND INSTRUMENTS
TURBO DOUBLE ACTION
FG • 5 PACK • BULK 25 PACK

Fast, Efficient Gross Reduction and Simultaneous Finishing

The TDA®'s patented spiral-channel design allows for rapid, non-traumatic gross reduction and also reduces the need and time for separate finishing.

Here's why. The blade-like channel edges of the TDA® increase cutting speed by chipping enamel and dentin away followed by the immediate abrasive action of the diamond particles which smooth the fresh cut surface. (Fig.1)

Self-Removal of Debris

The spiral-channel design of the TDA® directs a "turbo" flow of cool, lubricating water spray from the high-speed handpiece through the spiral channels to flush away debris and prevent clogging. This feature helps reduce drag on the handpiece and result in more rapid and efficient tooth reduction. (Fig. 2&3)

Rapid Heat Dissipation: Less Tooth Trauma

The opposing spiral channels are essential to creating cooler cutting.

When the TDA® is activated with a high-speed handpiece the rotational forces recover the water spray and convey it to the working point along the spiral channel grooves. This allows longer contact of the cooling spray with the tooth and the instrument, thereby creating a more efficient thermal exchange. The result is cooler cutting less tooth trauma and improved diamond life.

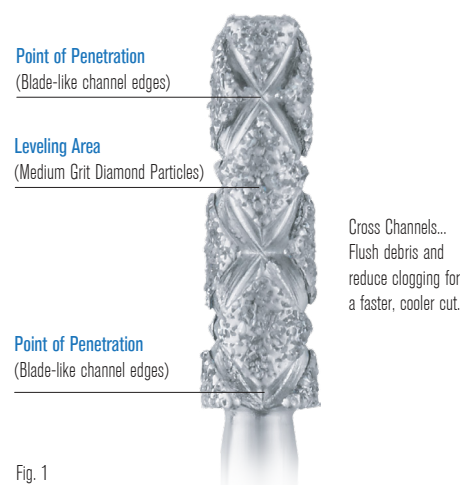


Fig. 1

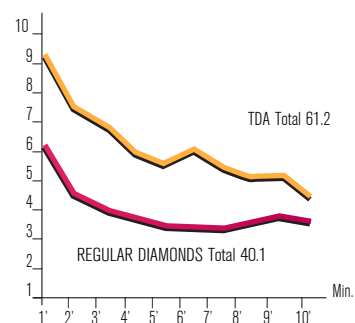


Fig. 2

Penetration (mm.) from 0 to 10 minutes.

Pressure: 200 G.
Material: glass
Cooling: water
RPM: 324,000



Fig. 3

Material removed (mm³) in 10 minutes.

Pressure: 200 G.
Material: glass
Cooling: water
RPM: 324,000



847

Diameter mm
Head Length mm

016
8

018
8

020
8

024
8

• 847 FG Standard

016

018

020

024

5 PACK

TD847016

TD847018

TD847020

TD847024

BULK 25 PACK

TD847016-25

TD847018-25

TD847020-25

TD847024-25

Applications

SP

SP

SP

SP

848

Diameter mm
Head Length mm

020
10

• 848 FG Standard

020

5 PACK

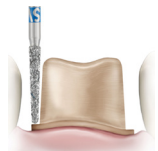
TD848020

BULK 25 PACK

TD848020-25

Applications

SP



849

Diameter mm
Head Length mm

012
4

018
4

022
4

• 849 FG Standard

012

018

022

5 PACK

TD849012

TD849018

TD849022

BULK 25 PACK

-

TD849018-25

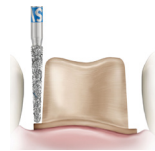
TD849022-25

Applications

BC

CP

CP



854

Diameter mm
Head Length mm

018
10

• 854 FG Standard

018

5 PACK

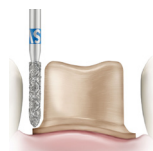
TD854018

BULK 25 PACK

TD854018-25

Applications

CP



855

Diameter mm
Head Length mm

014
6

018
6

023
6

• 855 FG Standard

014

018

023

5 PACK

TD855014

TD855018

TD855023

BULK 25 PACK

TD855014-25

TD855018-25

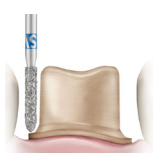
TD855023-25

Applications

BC

CP

CP



856

Diameter mm
Head Length mm

016
8

018
8

020
8

024
8

• 856 FG Standard

016

018

020

024

5 PACK

TD856016

TD856018

TD856020

TD856024

BULK 25 PACK

TD856016-25

TD856018-25

TD856020-25

TD856024-25

Applications

BC

CP

CP

CP



868

Diameter mm
Head Length mm

018
5

024
5

• 868 FG Standard

018

024

5 PACK

TD868018

TD868024

BULK 25 PACK

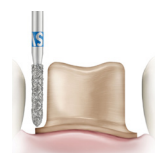
TD868018-25

TD868024-25

Applications

OL

OL



877

Diameter mm
Head Length mm

014
6

• 877K FG Standard

014

5 PACK

TD877014

Applications

MC

APPLICATIONS:

BC: Break Contact
CP: Chamfer Prep

SP: Shoulder Prep
MC: Modified Chamfer

OL: Occlusal/Lingual
BP: Bevel Prep

TDA®

DIAMOND INSTRUMENTS

TURBO DOUBLE ACTION

FG • 5 PACK • BULK 25 PACK

**878**

Diameter mm 016
Head Length mm 8

• 878 FG Standard 016

5 PACK TD878016

BULK 25 PACK TD878016-25

Applications MC

**878K**

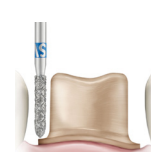
Diameter mm 016 018 020
Head Length mm 8 8 8

• 878K FG Standard 016 018 020

5 PACK TD878K016 TD878K018 TD878K020

BULK 25 PACK TD878K016-25 TD878K018-25 TD878K020-25

Applications MC MC MC

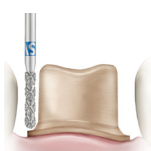
**879**

Diameter mm 018
Head Length mm 10

• 878 FG Standard 018

5 PACK TD879018

Applications MC

**880**

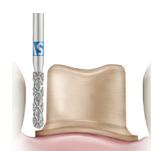
Diameter mm 014
Head Length mm 6

• 880 FG Standard 014

5 PACK TD880014

BULK 25 PACK TD880014-25

Applications CP

**881**

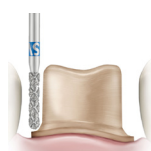
Diameter mm 016
Head Length mm 8

• 881 FG Standard 016

5 PACK TD881016

BULK 25 PACK TD881016-25

Applications CP

**882**

Diameter mm 018
Head Length mm 10

• 882 FG Standard 018

5 PACK TD882018

BULK 25 PACK TD882018-25

Applications CP

**885**

Diameter mm 012 016
Head Length mm 8 8

• 885 FG Standard 016 016

5 PACK TD885012 TD885016

BULK 25 PACK TD885012-25 TD885016-25

Applications BP BP

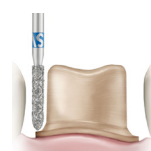
**885K**

Diameter mm 020
Head Length mm 8

• 885K FG Standard 020

5 PACK TD885K020

Applications BP

**886K**

Diameter mm 023
Head Length mm 10

• 886 FG Standard 023

5 PACK TD886K023

Applications BP

APPLICATIONS:

BC: Break Contact

SP: Shoulder Prep

OL: Occlusal/Lingual

CP: Chamfer Prep

MC: Modified Chamfer

BP: Bevel Prep

TDA® Technique Tips:

How to produce a bevel, shoulder or chamfer preparation with one or two instruments.

The Goal: Uniform Finish Lines Result in Precision-Fit Restorations

The Procedure:

1. Match the instrument to the task

The shape of the tooth preparation is determined by the shape of the TDA® Diamond Instrument that is used. For each type of crown preparation (i.e., bevel, shoulder, or chamfer) select the appropriate shape of TDA® Diamond.

2. Measure the preparation depth easily

The amount of tooth structure to be removed is determined by cutting to a depth equal to one half the diameter of the TDA Diamond. Select the size TDA Diamond having a diameter at least equal to twice the depth of the preparation required (when measured at the gingival margin)

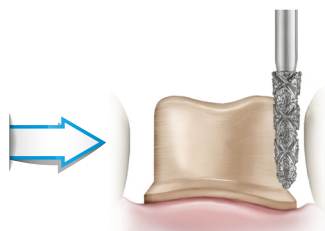
3. Measure the preparation depth easily

As a first step, to assure no trauma to surrounding gingival tissue, begin all preparations at the gingival margin are with a 50° bevel angle using the TDA Diamond 885K 020. Then resume preparations for shoulder (90° angle) or chamfer or bevel (50° angle) with the appropriate size and shape TDA Diamond.

The Technique:

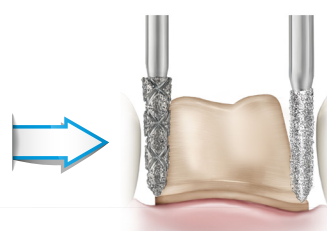
Create a bevel (50° angle)

1. For a bevel finish line (50° angle) position the tip of the TDA Diamond FG 885K 020.



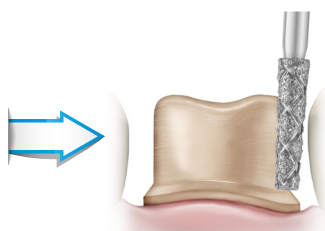
Finish the (50° angle)

2. Finish with TDA Diamond FG 885KF 020



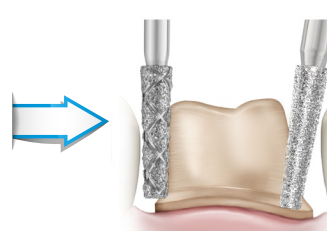
Create a shoulder (90° angle)

1. For a shoulder preparation (90° angle) use the "flat end" TDA Diamond 847-020 to complete the angle after creating a bevel with a FG 885K 020.



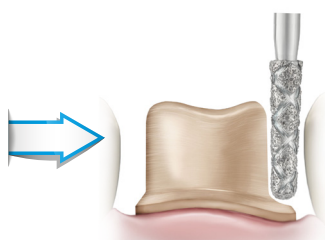
Finishing the (90° angle)

2. Finish with TDA Diamond FG 847F 020.



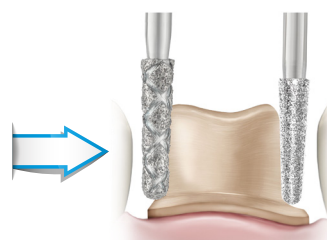
Create a chamfer

1. For a chamfer preparation use the "round end" TDA Diamond FG 856-020 to complete the chamfer finish line after creating a bevel with the FG 885K-020



Finishing the (90° angle)

2. Finish with TDA Diamond FG 856F-021.



MULTI-USE DIAMOND

INSTRUCTIONS FOR USE

Description

Dental diamond instruments are made of a single piece of hardness stainless steel, coated with diamonds, for dental clinic applications.

SAFETY IN USE - Read precautions carefully:

- The device is to be used on the instruction of and by a dentist or other licensed practitioner. Rx only.
- Clean and sterilize burs in accordance with the directions below before first use and before each reuse.
- Always wear gloves when handling contaminated instruments.
- Eye protection must be worn to protect against ejected particles.
- Surgical masks must be worn to avoid inhalation of any aerosol or dust generated.
- Ensure that the bur is securely gripped in the handpiece collet.
- Do not use worn-out diamonds.
- Maintain handpieces in good working order and correctly lubricated.
- Do not exceed the maximum speeds tabulated in this leaflet.
- Do not apply excessive pressure on the diamond.
- Avoid removing the diamond at too sharp an angle to avoid leverage and breakage.
- Move the diamond continuously when in use to avoid localized heating and/or damage to the diamond.
- Read carefully the labels on the packaging.

DIAMOND INSTRUMENT - guidance for maximum RPM:

Instrument head diameter 01/10 (mm) - ISO	Maximum permissible speed (RPM)	Recommended operational speed (RPM)
007- 010	450,000	100,000 -220,000
012 -014	450,000	70,000 - 220,000
016 -018	450,000	55,000 - 160,000
021 -023	300,000	40,000 - 120,000
025-027	160,000	35,000 - 110,000
029 -031	140,000	30,000 - 95,000
033-040	120,000	25,000 - 75,000
042-050	95,000	15,000 - 60,000

INSTRUCTIONS FOR CLEANING AND STERILIZING DENTAL ROTARY INSTRUMENTS

Multi-Use Diamonds are available non-sterile. Non-sterile burs are recommended to be cleaned and sterilized before first use and each subsequent use.

Containment at the Point of Use

- Delay between use and reprocessing must be kept to a minimum.
- Keep the unclean diamonds immersed in the cleaning/disinfecting agent in accordance with its manufacturer's instructions, but in any event do not exceed 12 hours.
- Caution: Do not leave diamonds immersed in disinfectants that have a fixative action (such as aldehyde based products) unless the diamonds have been thoroughly cleaned first.

CLEANING, DRYING AND INSPECTION PROCEDURE MANUAL CLEANING:

- 1) Rinse the diamond under running cold water and, keeping them immersed, brush thoroughly away from the body using a neutral cleaning or cleaning/disinfecting agent labeled for use on dental diamond or other similar types of medical instruments, following the manufacturer's instructions.
- 2) Care should be taken to avoid spreading contaminants by spraying or splashing during the brushing process.
- 3) Wire brushes must be used with caution, as brass particles may result in galvanic corrosion and steel particles may cause discoloration of stainless steel.
- 4) After cleaning, inspect the diamonds, preferably with the aid of magnification, to ensure that all contamination has been removed. Repeat the cleaning process if necessary.
- 5) Dry the diamonds using paper toweling or dry heat not exceeding 140°C.
- 6) Inspect the diamonds with the aid of magnification if necessary and discard any damaged or corroded instruments.

Automated Cleaning

Cleaning by means of an automated washer disinfectant: Any cleansing and disinfecting agents used must be compatible with the materials used in the dental diamond, otherwise accelerated corrosion or other damage may occur. The washer disinfectant and the cleaning agent manufacturers' instructions must be followed if using an autoclave with a pre-vacuum cycle, pack the diamonds in dedicated instrument trays or pouches validated for steam sterilization.

If using an autoclave without a pre-vacuum cycle, the diamonds should not be packed or wrapped but should be contained in dedicated diamonds stands with perforated lids.

NOTE: Local legislation may require that diamonds are wrapped in pouches for processing in either type of autoclave.

Sterilization

Follow the autoclave manufacturer's instructions to sterilize the diamonds. In particular, care must be taken not to exceed the maximum recommended load for the autoclave.

Manufacturer has validated steam sterilization in an autoclave without a pre-vacuum cycle (gravity displacement type) for a holding time of six minutes at a temperature of 134 °C. The holding time is the minimum time for which the minimum temperature is sustained.

NOTE: Local infection control practice may recommend a different combination of holding time and temperature.

Storage

The diamonds should be stored in the dry sterilization container (bur stand or pouch) until required. Storage should be in dry, clean conditions and at ambient temperature.

Validation of Cleaning and Steam Sterilization

Any deviation from these instructions should be properly evaluated by the user for effectiveness and potential adverse results.

