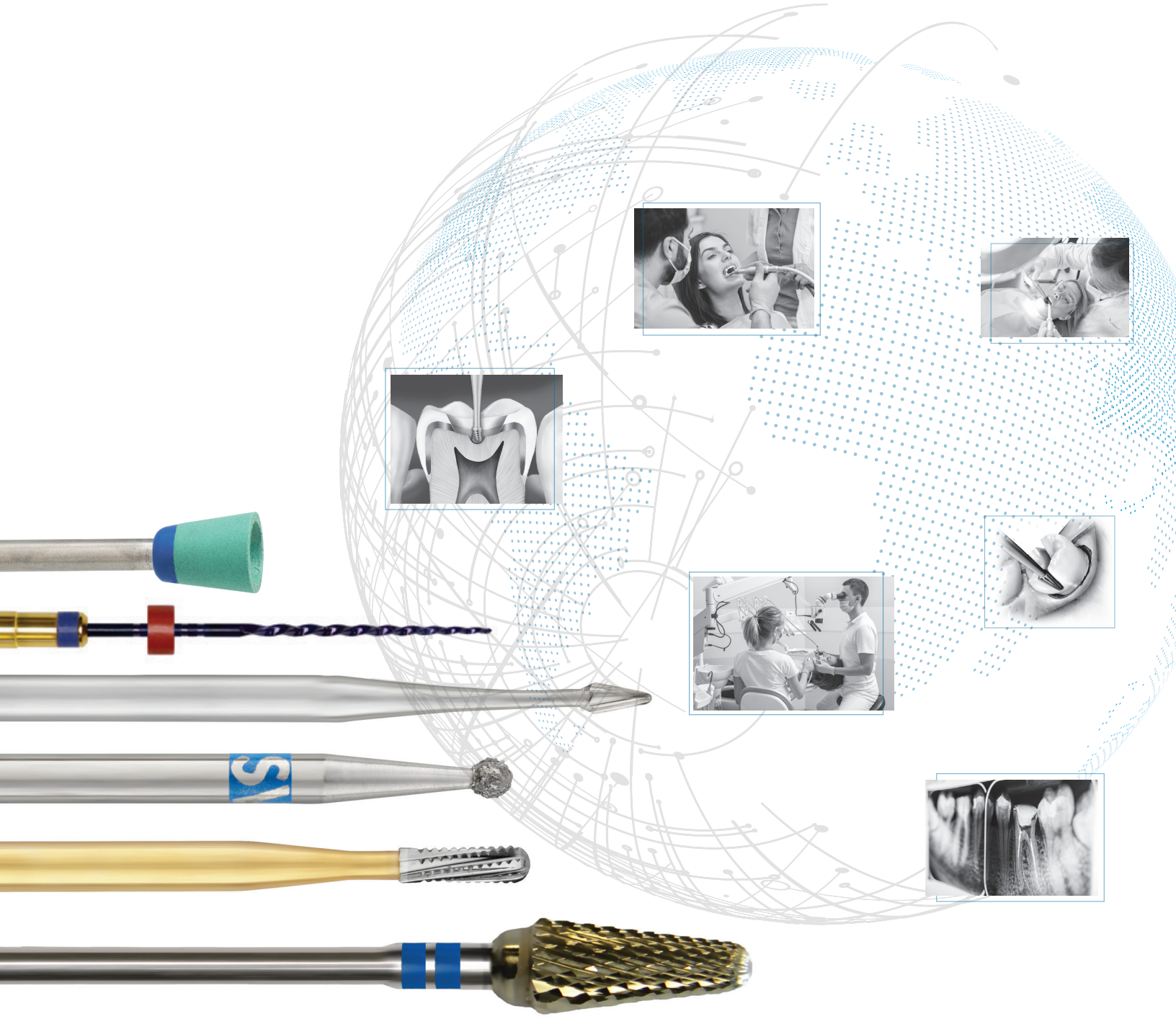


INTERNATIONAL PRODUCT CATALOG



dentagine

SSWITE Dental®

Better Patient Outcomes
Improved Efficiency
Faster Practice Growth

sswhitedental.com

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 groves. 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.

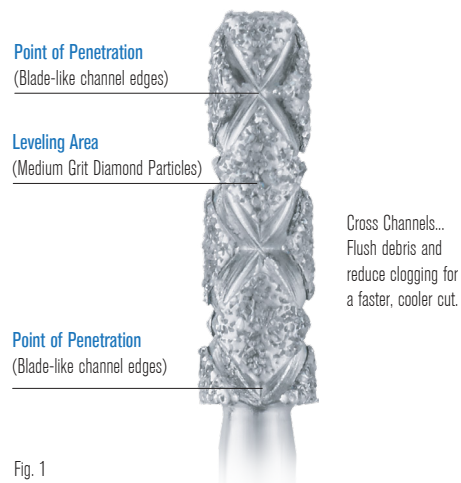


Fig. 1

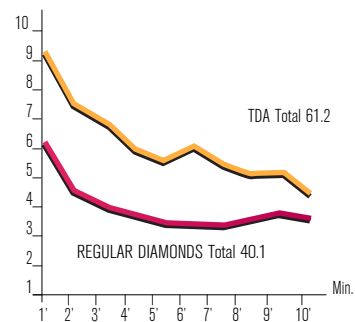


Fig. 2

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

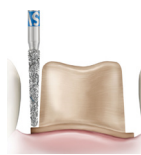
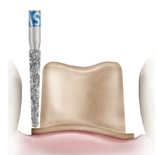


847

Diameter mm	016	018	020	024
Head Length mm	8	8	8	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	020
Head Length mm	10
• 848 FG Standard	020
5 PACK	TD848020
BULK 25 PACK	TD848020-25
Applications	SP

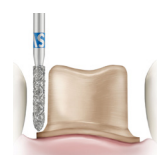


849

Diameter mm	012	018	022
Head Length mm	4	4	4
• 849 FG Standard	012	018	022
5 PACK	TD849012	TD849018	TD849022
BULK 25 PACK	-	TD849018-25	TD849022-25
Applications	BC	CP	CP

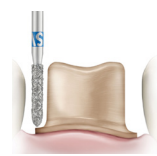
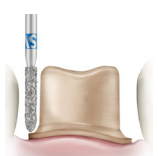
854

Diameter mm	018
Head Length mm	10
• 854 FG Standard	018
5 PACK	TD854018
BULK 25 PACK	TD854018-25
Applications	CP



855

Diameter mm	014	018	023
Head Length mm	6	6	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	016	018	020	024
Head Length mm	8	8	8	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	018	024
Head Length mm	5	5
• 868 FG Standard	018	024
5 PACK	TD868018	TD868024
BULK 25 PACK	TD868018-25	TD868024-25
Applications	OL	OL

877

Diameter mm	014
Head Length mm	6
• 877K FG Standard	014
5 PACK	TD877014
Applications	MC

APPLICATIONS:

BC: Break Contact
CP: Chamfer Prep

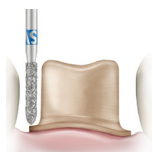
SP: Shoulder Prep
MC: Modified Chamfer

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

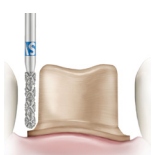
• 878K FG Standard	016	018	020
5 PACK	TD878K016	TD878K018	TD878K020
BULK 25 PACK	TD878K016-25	TD878K018-25	TD878K020-25
Applications	MC	MC	MC



879

Diameter mm 018
Head Length mm 10

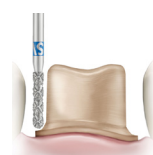
• 878 FG Standard	018
5 PACK	TD879018
Applications	MC



880

Diameter mm 014
Head Length mm 6

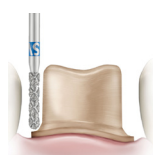
• 880 FG Standard	014
5 PACK	TD880014
BULK 25 PACK	TD880014-25
Applications	CP



881

Diameter mm 016
Head Length mm 8

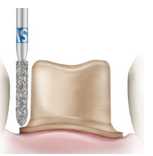
• 881 FG Standard	016
5 PACK	TD881016
BULK 25 PACK	TD881016-25
Applications	CP



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

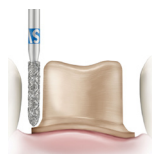
• 885 FG Standard	016	016
5 PACK	TD885012	TD885016
BULK 25 PACK	TD885012-25	TD885016-25
Applications	BP	BP



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
CP: Chamfer Prep

SP: Shoulder Prep
MC: Modified Chamfer

OL: Occlusal/Lingual
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)

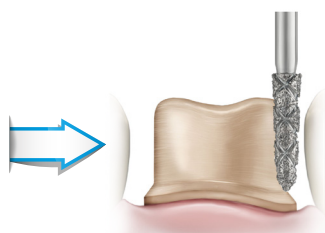
3. Measure the preparation depth easily

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:

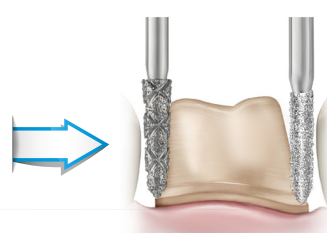
Create a bevel (50° angle)

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



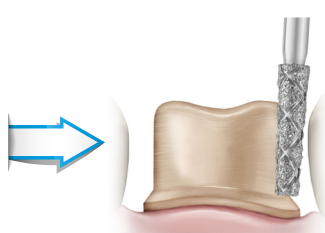
Finish the (50° angle)

2. Finish with TDA Diamond FG 885KF 020



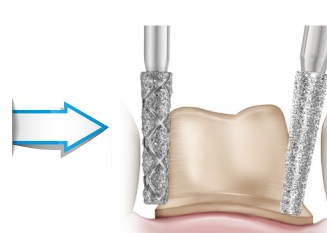
Create a shoulder (90° angle)

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.



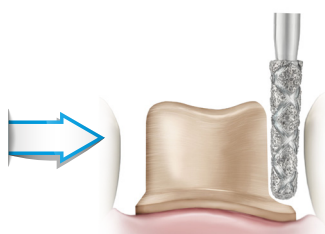
Finishing the (90° angle)

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.

