WOODPECKER | DTE®

ULTRASONIC SCALER TIP BOOK



Scaling

Model | Page

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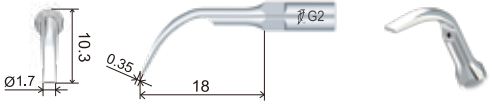
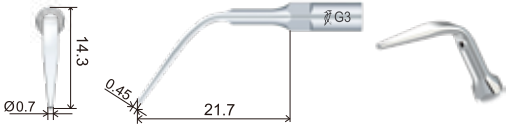
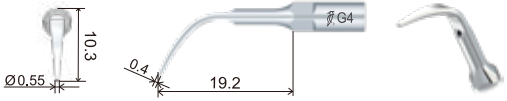
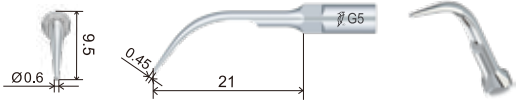
G2		1
G3		2
G4		2
G5		3

Scaling

Dimensions Unit: mm

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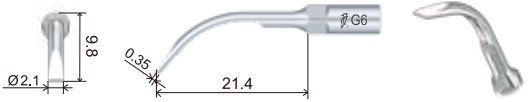
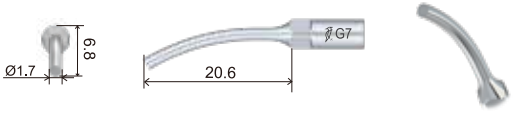
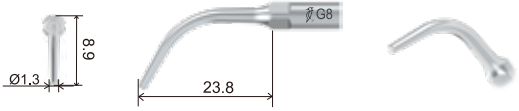
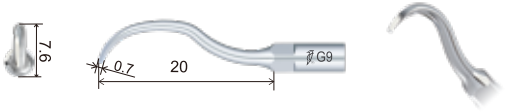
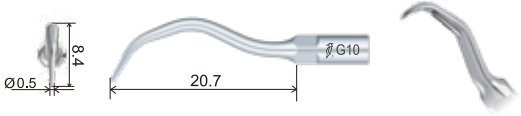
G6		3
G7		4
G8		4
G9		5
G10		5

Scaling

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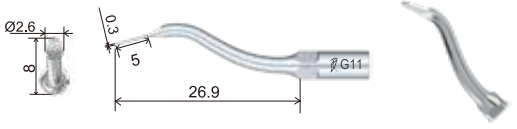

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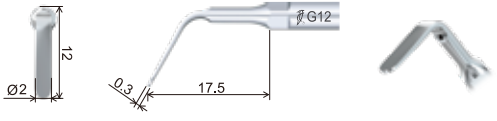

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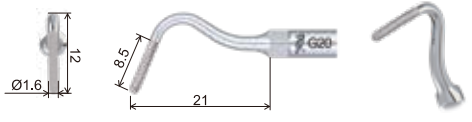

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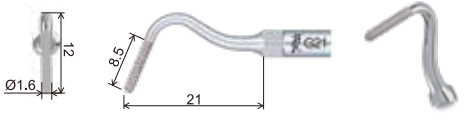

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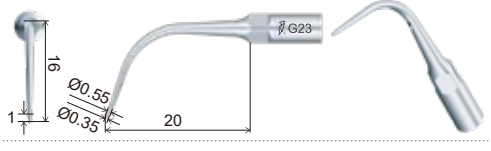

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Scaling

Dimensions Unit: mm

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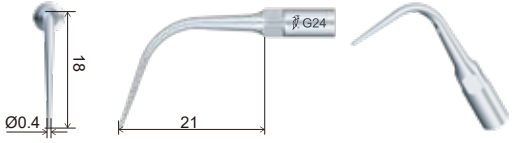

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Cavity preparation

Model

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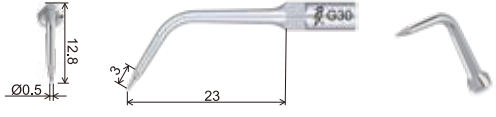

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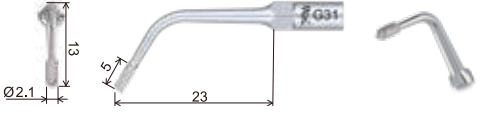

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G32



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Cavity preparation

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G33 

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G35 

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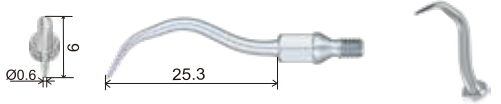
Scaling

Model

GK1 

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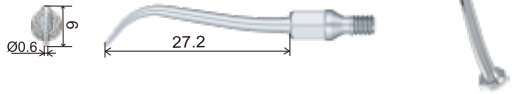
GK2 

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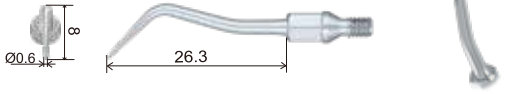
GK3 

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Dimensions Unit: mm

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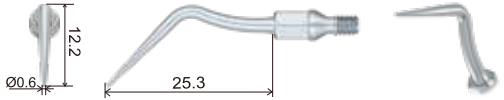
GK4 

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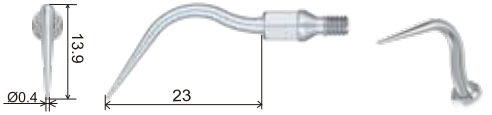
GK5 

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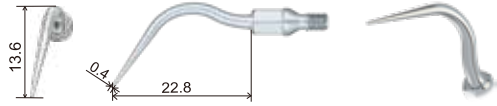
GK7 

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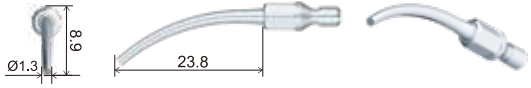
GK8 

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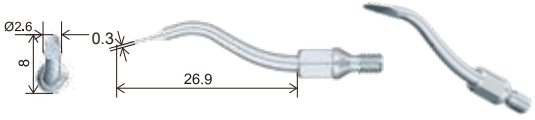
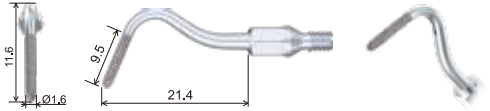
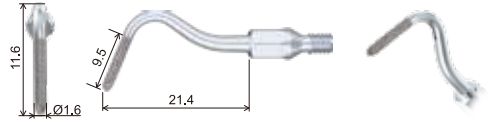
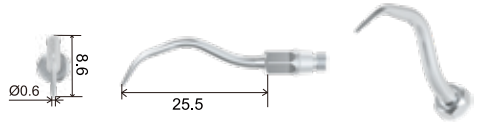
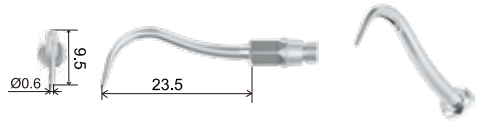
GK11		15
GK20		16
GK21		16
GK60		17
GK61		17

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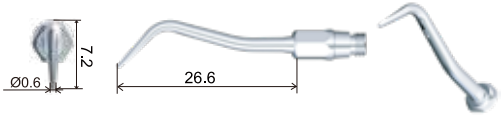
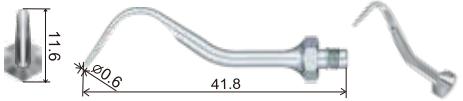
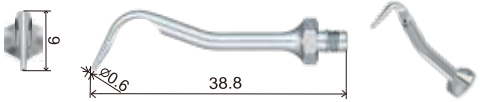
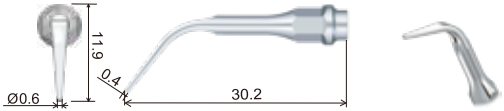
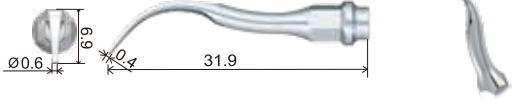
GK62		18
A1		18
A2		19
GC1		19
GC2		20

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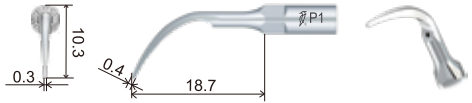
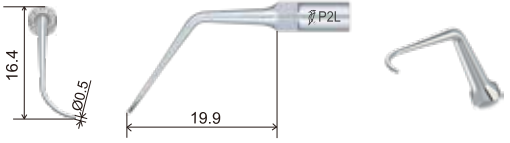
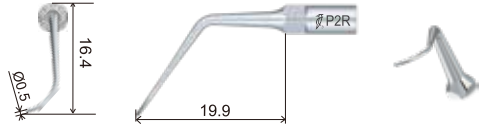
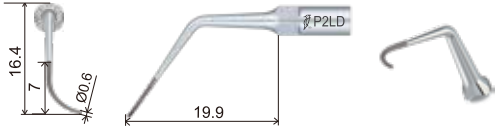
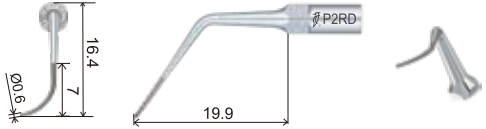
P1		20
P2L		21
P2R		21
P2LD		22
P2RD		22

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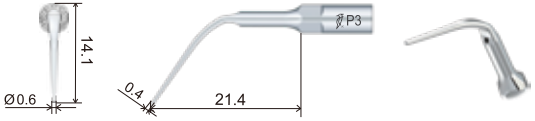
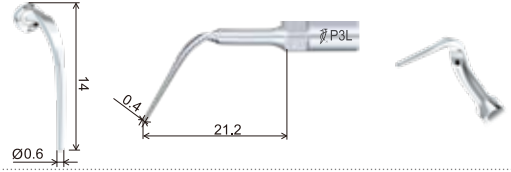
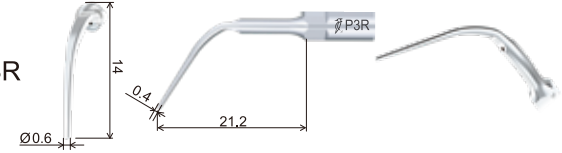
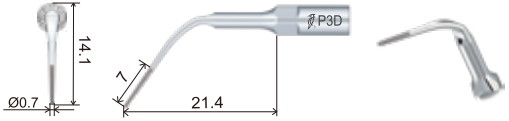
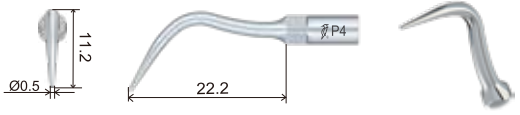
P3		23
P3L		23
P3R		24
P3D		24
P4		25

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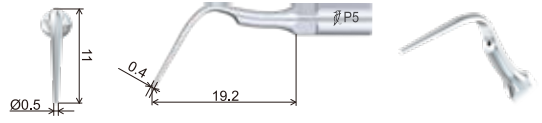
P5 

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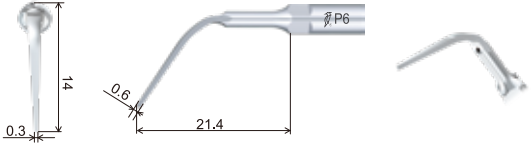
P6 

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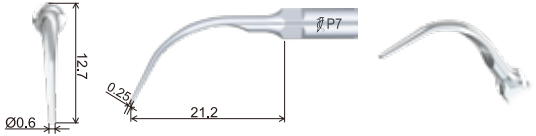
P7 

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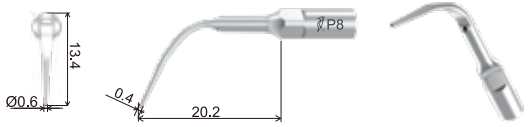
P8 

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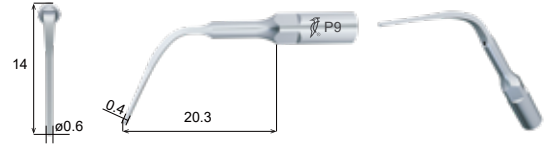
P9 

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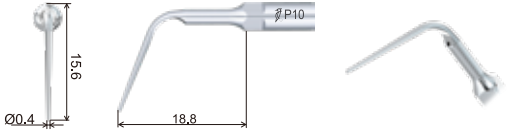
P10 

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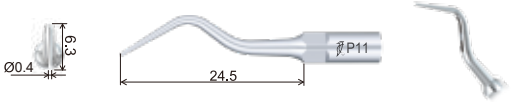
P11 

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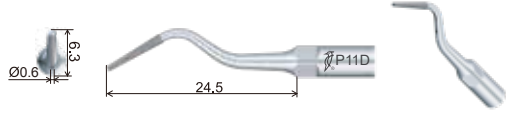
P11D 

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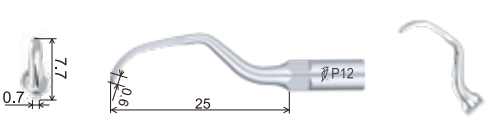
P12 

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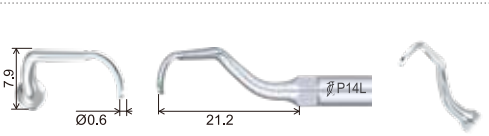
P14L 

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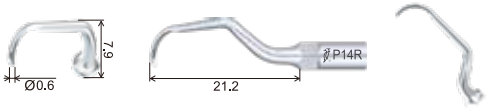
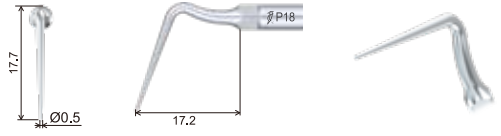
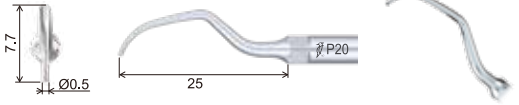
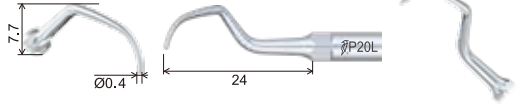
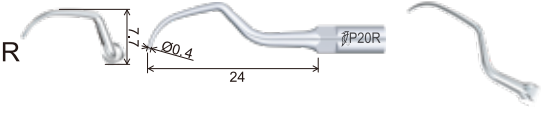
P14R		30
P18		31
P20		31
P20L		32
P20R		32

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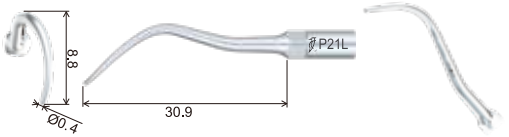
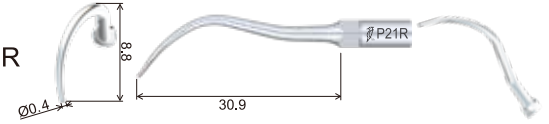
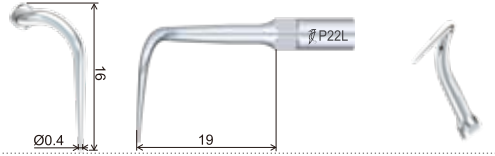
P21L		33
P21R		33
P22L		34
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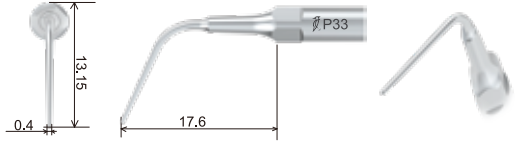
P33		35

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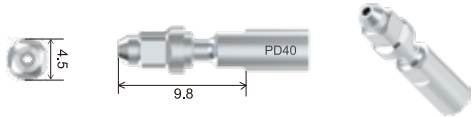
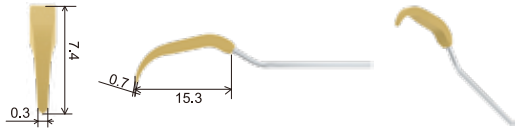
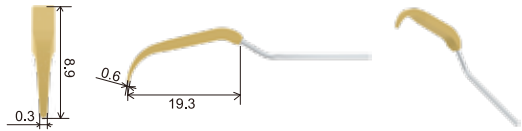
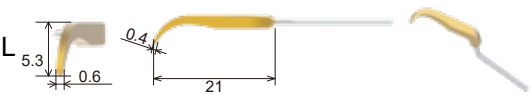
PD40		35
PD41		36
PD42		36
PD43L		37
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Dimensions Unit: mm

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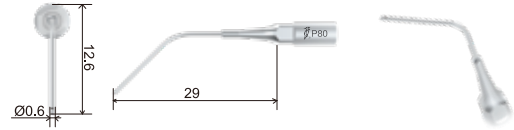
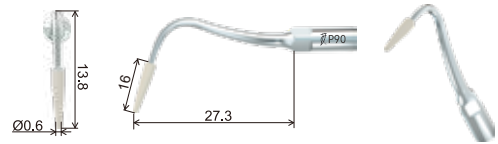
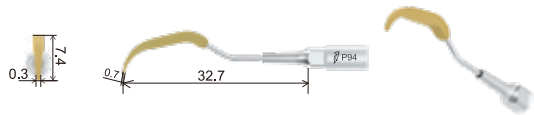
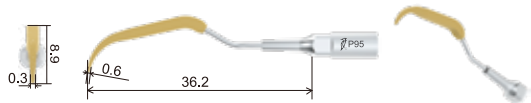
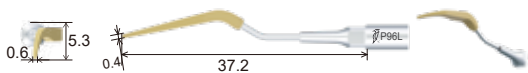
P80		38
P90		38
P94		39
P95		39
P96L		40

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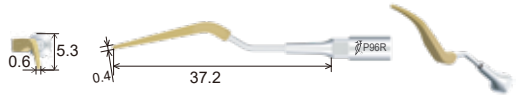
P96R		40
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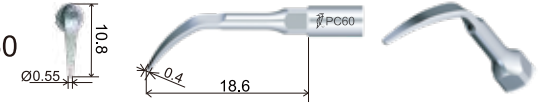
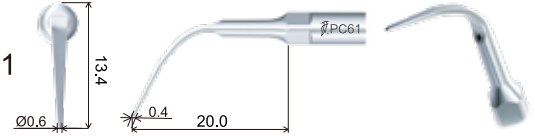
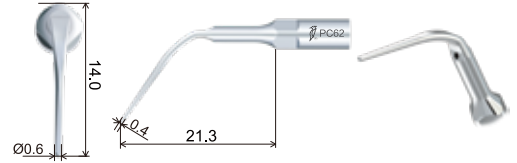
PC60		41
PC61		42
PC62		42

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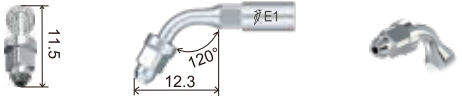
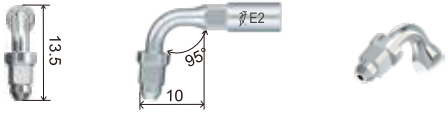
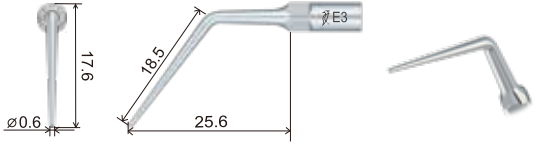
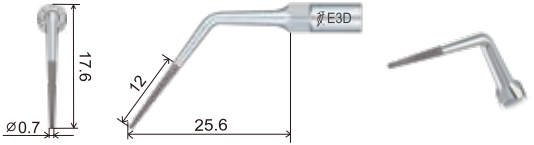
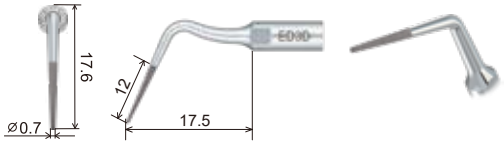
E 1		43
E 2		43
E3		44
E3D		44
ED3D		45

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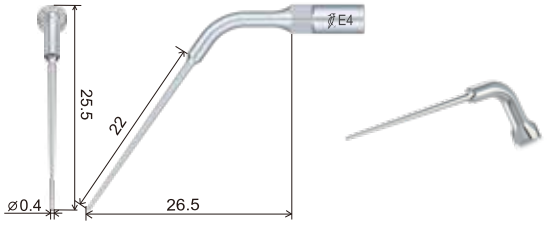

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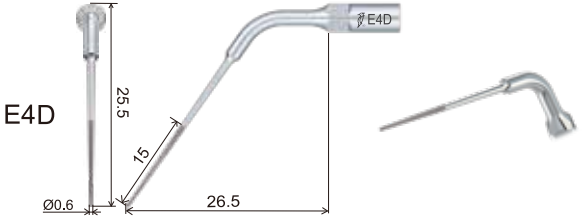

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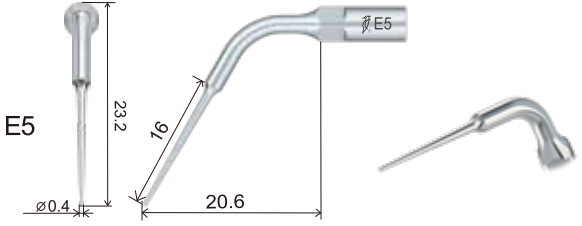

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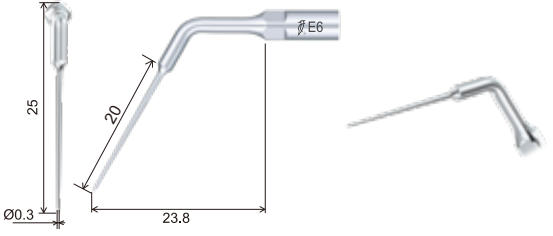
E6



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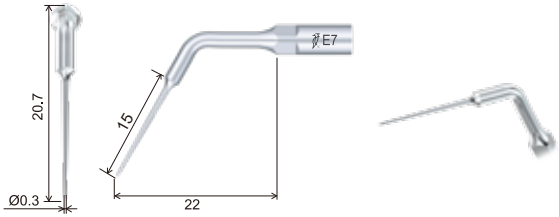
E7 

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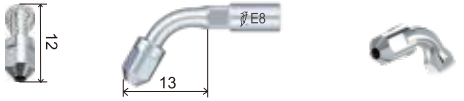
E8 

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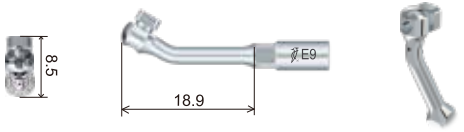
E9 

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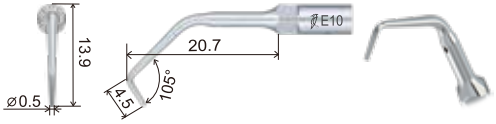
E10 

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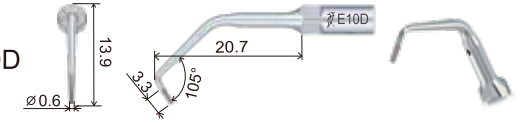
E10D 

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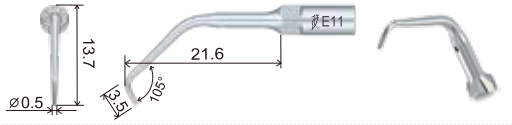
E11 

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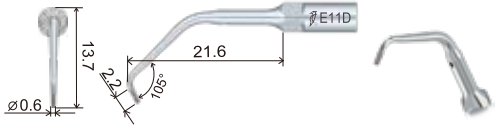
E11D 

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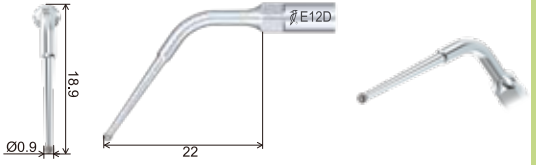
E12D 

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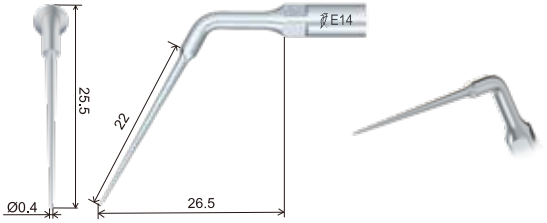
E14 

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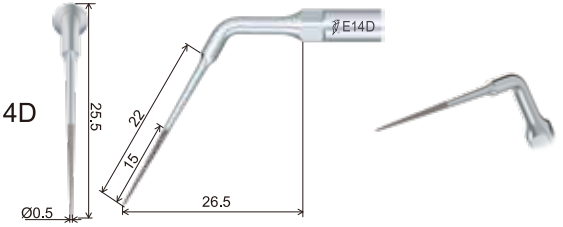
E14D 

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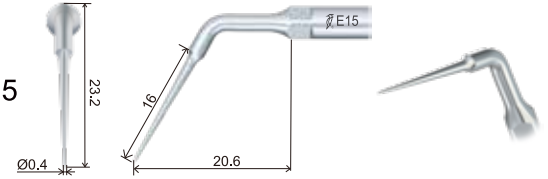
E15 

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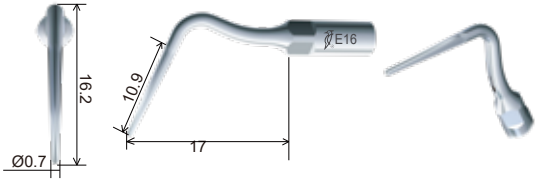
E16 

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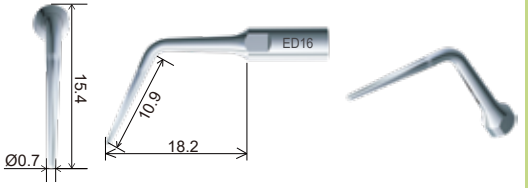
ED16 

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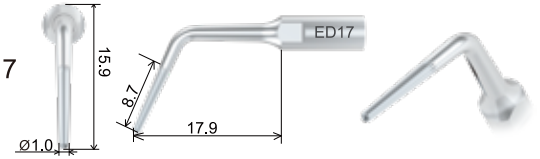
ED17 

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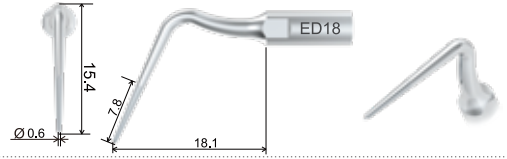
ED18 

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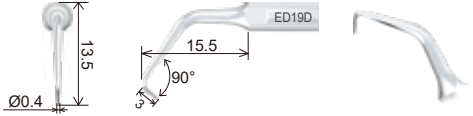
ED19D 

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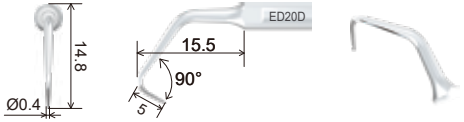
ED20D 

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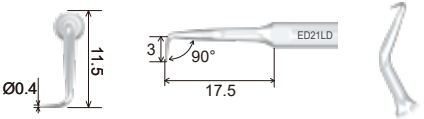
ED21LD 

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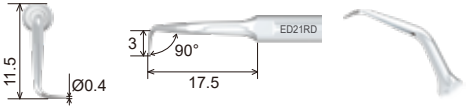
ED21RD 

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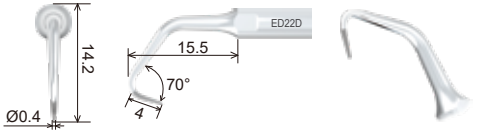
ED22D 

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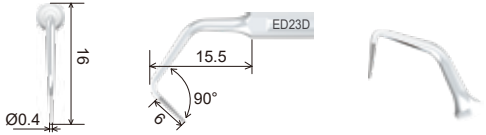
ED23D 

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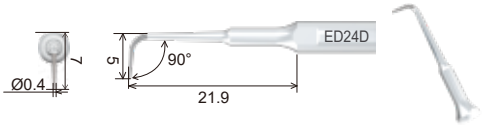
ED24D 

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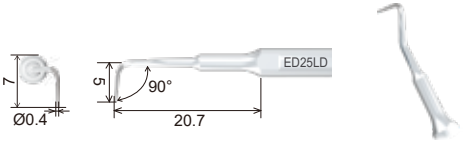
ED25LD 

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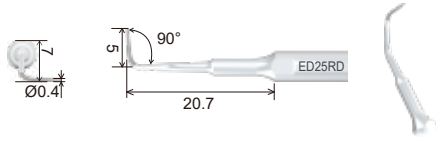
ED25RD 

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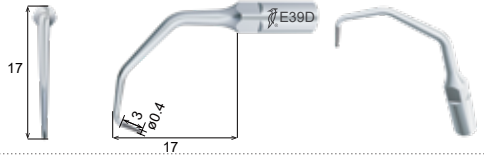
E39D 

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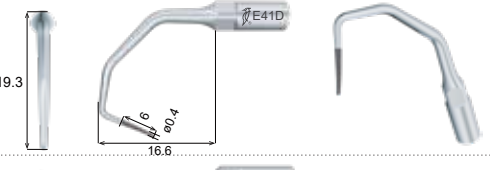
E41D 

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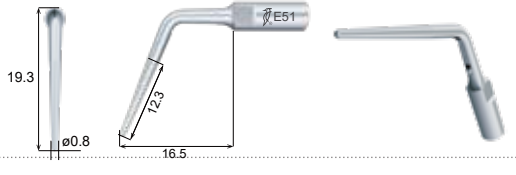
E51 

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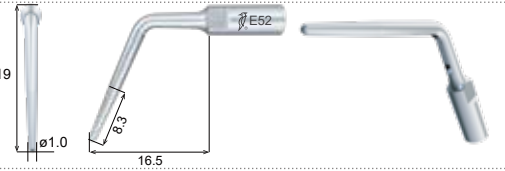
E52 

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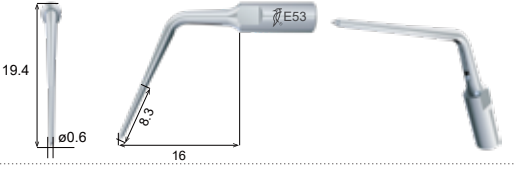
E53 

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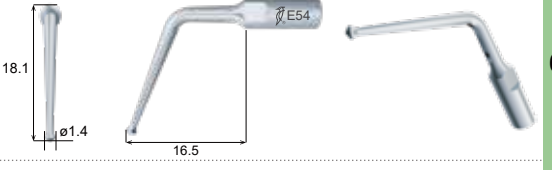
E54 

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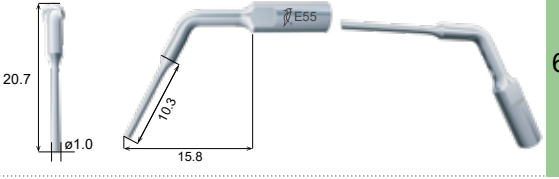
E55 

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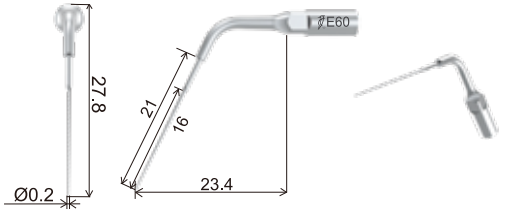
Endodontics

Model | Page

E60 

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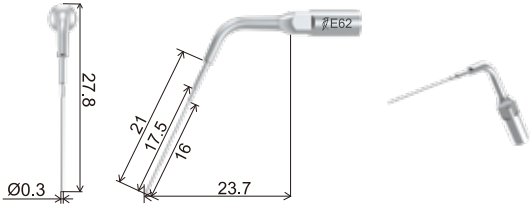
E62 

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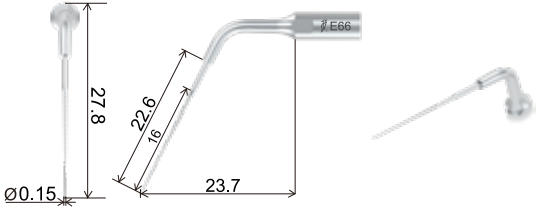
E66 

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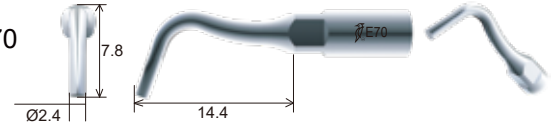
Endodontics

Dimensions Unit: mm

Model | Page

E70 

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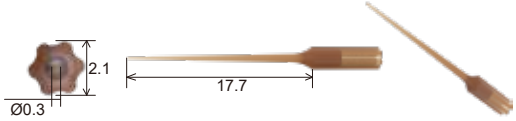
E71 

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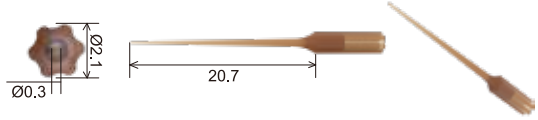
E72 

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Endodontics

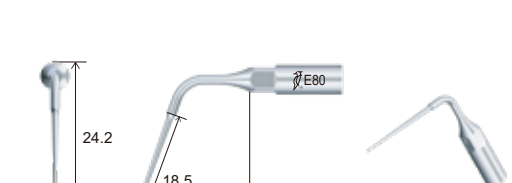
Model | Page

E73 

68

E74 

68

E80 

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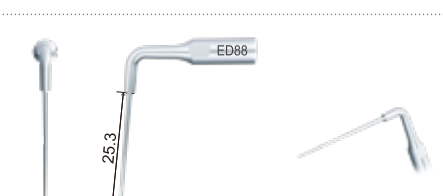
Endodontics

Dimensions Unit: mm

Model | Page

ED87 

69

ED88 

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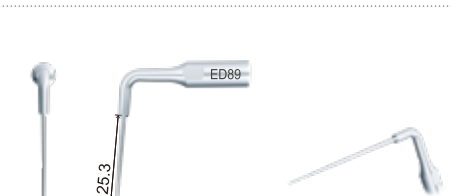
ED89 

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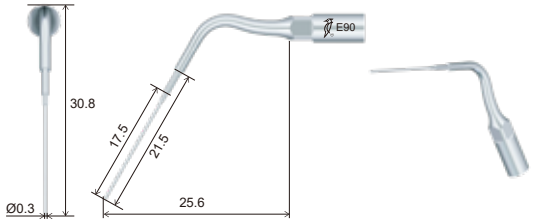
Endodontics

Model | Page

E90 

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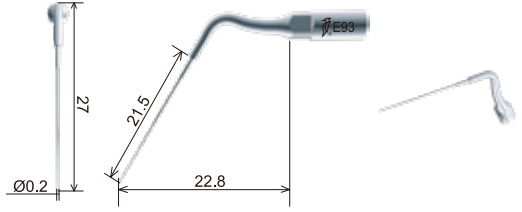
E93 

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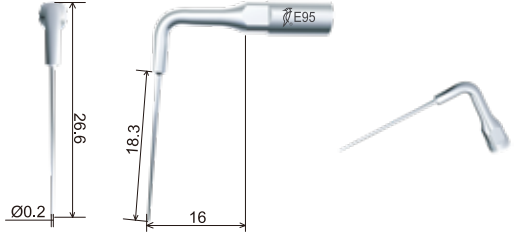
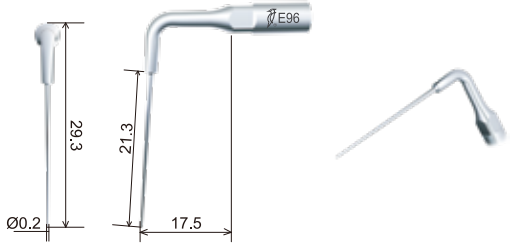
E95 

72

Endodontics

Dimensions Unit: mm

Model | Page

E96 

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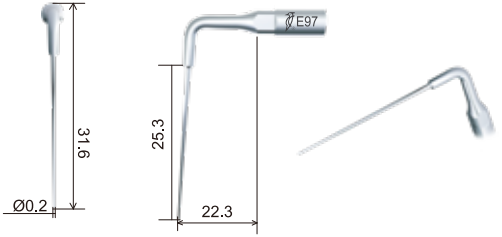
E97 

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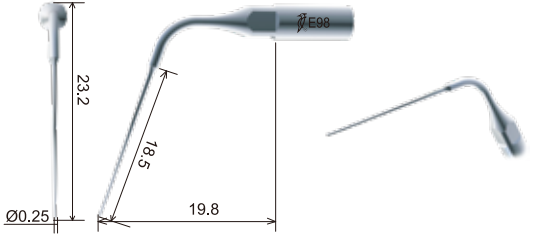
E98 

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Endodontics

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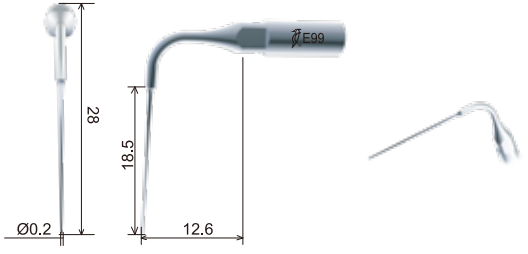
E99		74

Cavity preparation

Dimensions Unit: mm

Model		Page
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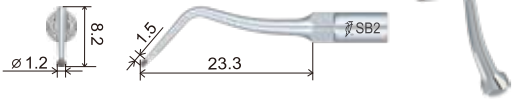
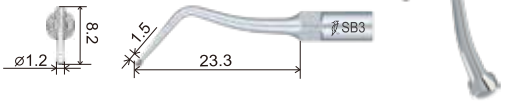
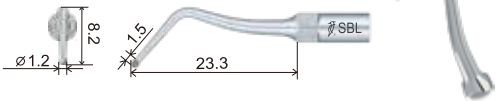
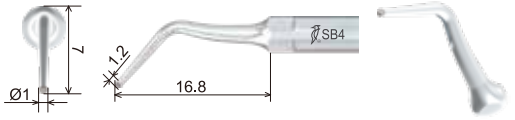
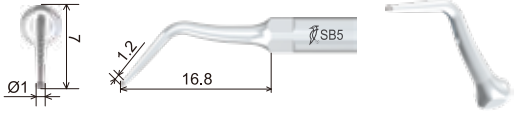
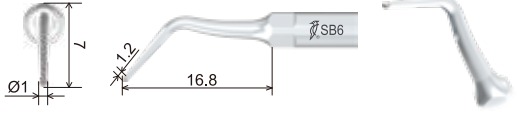
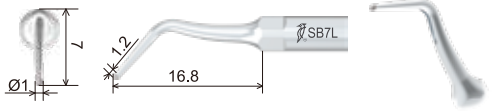
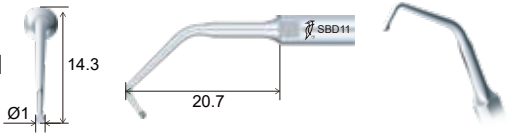
SB2		75
SB3		76
SBL		76
SBR		77

Cavity preparation

Model		Page
SB4		77
SB5		78
SB6		78
SB7L		79
SB7R		79

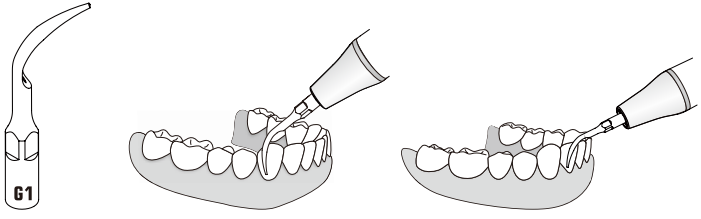
Cavity preparation

Dimensions Unit: mm

Model		Page
SBD11		80

G1 (GD1/G1T/GD1T/GS1)

Removal of supragingival deposits in all quadrants.



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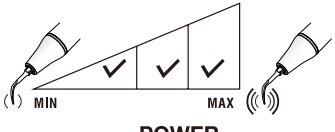


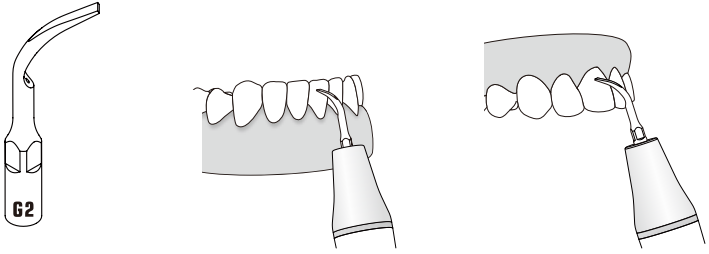
POWER



IRRIGATION

G2 (GD2/G2T/GD2T/GS2)

Removal of heavy supragingival deposits.
Apply flat end to the surface of teeth.



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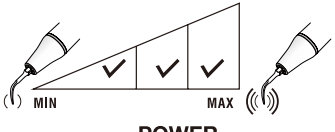


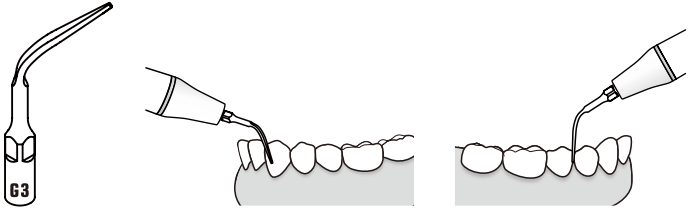
POWER



IRRIGATION

G3 (GD3/G3T/GD3T/GS3)

Removal of supragingival deposits in all quadrants, including the interproximal and sulcus areas.



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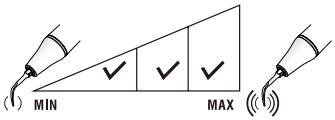
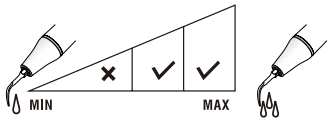


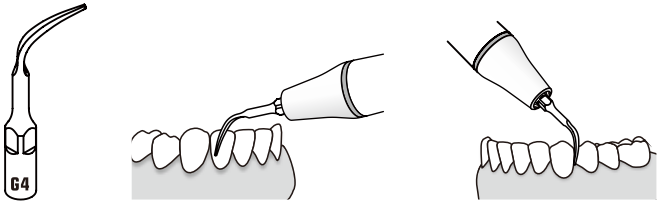
POWER



IRRIGATION

G4 (GD4/G4T/GD4T/GS4)

Recommended for the treatment of interproximal spaces and for supragingival scaling.



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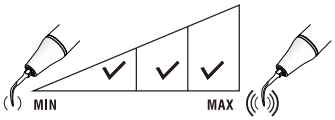
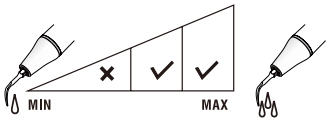


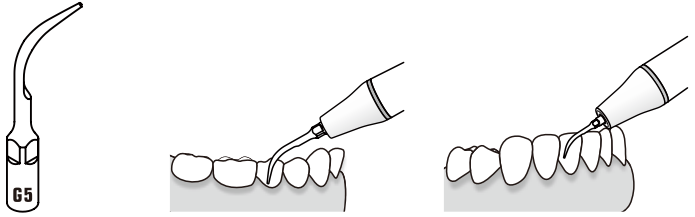
POWER



IRRIGATION

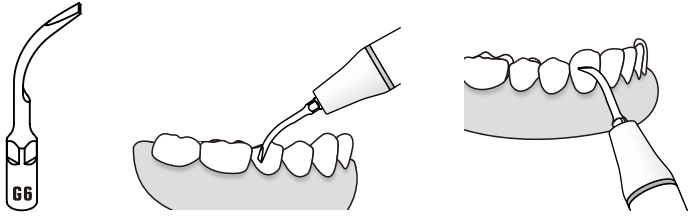
G5 (GD5/G5T/GD5T/GS5)

Recommended for treating simple cases and gross supragingival scaling.



G6 (GD6/G6T/GD6T/GS6)

Recommended for removing voluminous supragingival deposits. Apply flat end to surface of teeth.



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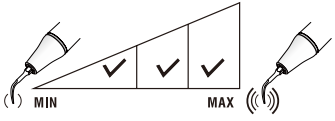
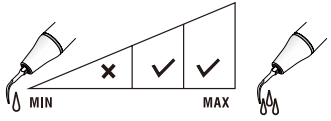
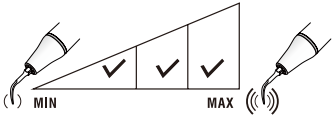


POWER



IRRIGATION

MODE: G



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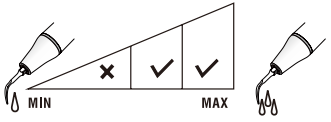
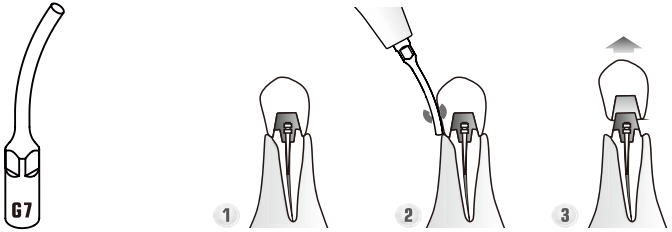


IRRIGATION

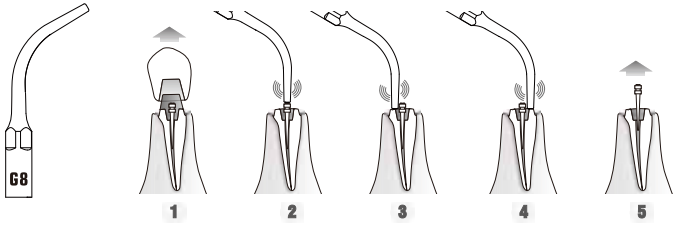
G7 (GD7/G7T/GD7T/GS7)

Removal of crowns.
Apply the instrument onto the surface and activate it. Increase pressure until vibrations can no longer be heard and maintain for few seconds.



G8 (GD8/G8T/GD8T/GS8)

Removal of posts.
High efficiency for the removal of the difficult prosthetic parts.



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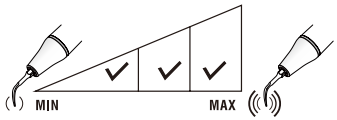

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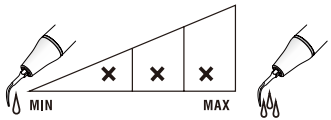

IRRIGATION

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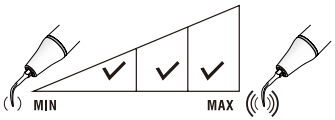

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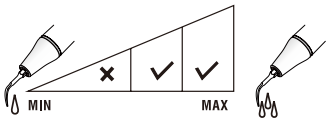
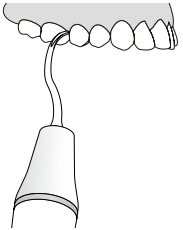


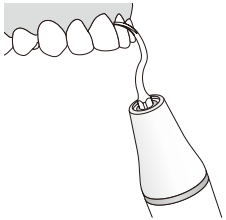
IRRIGATION

G9 (GD9/G9T/GD9T)

Removal of supragingival calculus, interdental calculus and calculus at the neck of the teeth.







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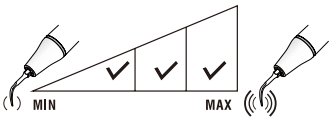

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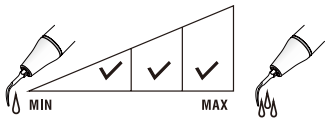
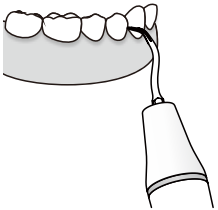


IRRIGATION

G10 (GD10/G10T/GD10T)

Removal of supragingival deposits in all quadrants, including the interproximal and sulcus areas.







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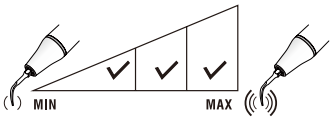
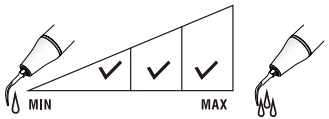


POWER

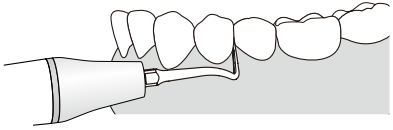


IRRIGATION

G11 (GD11/G11T/GD11T)

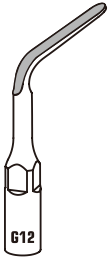
Diamond-coated (40 µm) instrument for polishing the treatment surface of teeth in interproximal areas, without damaging the adjacent teeth during the orthodontics treatment.

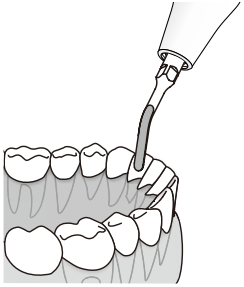




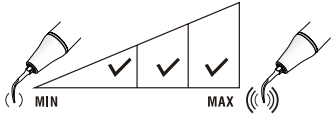
G12 (GD12/G12T)

Removal of large supragingival deposits on the lingual surfaces in all quadrants.

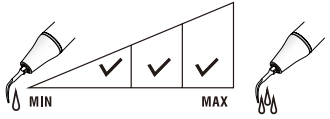




MODE: G

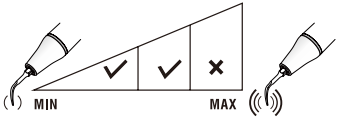


POWER

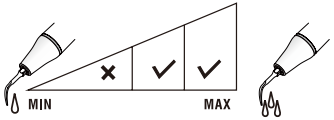


IRRIGATION

MODE: G



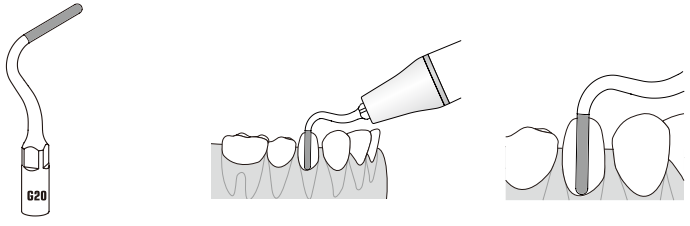
POWER



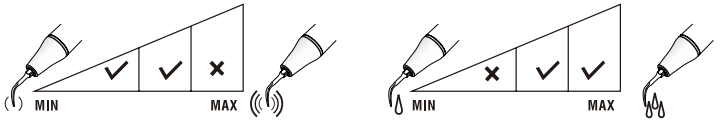
IRRIGATION

G20 (GD20/G20T)

There are diamonds coated (120 µm grit) on the head of the tip for dentin abrading.
It's used for "supragingival shoulder" preparation after the completion of the preparation of the "subgingival shoulder" with bur.



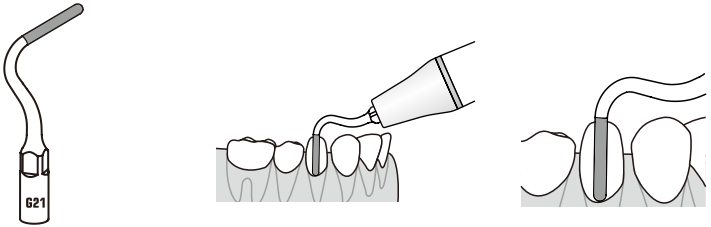
MODE: G



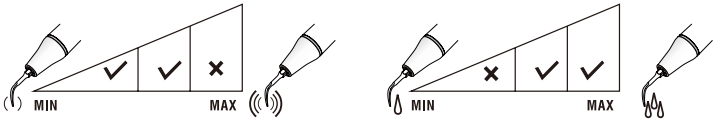
POWER **IRRIGATION**

G21 (GD21/G21T)

There are diamonds coated (50 µm fine sand) on the head of the tip for dentin abrading, mainly used for polishing of prepared supragingival shoulder and subgingival shoulder.



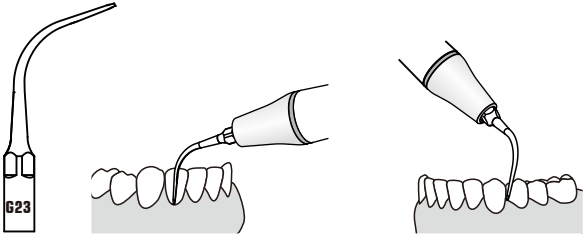
MODE: G



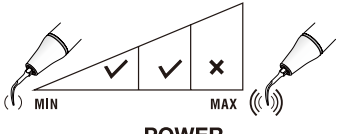
POWER **IRRIGATION**

G23

Removal of supragingival deposits in all quadrants, including the interproximal and sulcus areas.



MODE: G



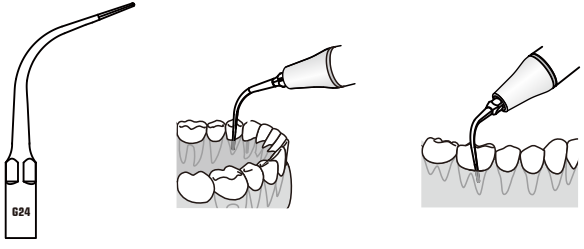
POWER



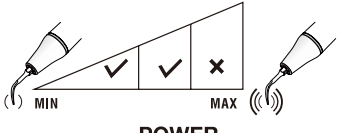
IRRIGATION

G24

Recommended for cleaning and irrigation of periodontal deep pockets.



MODE: G



POWER

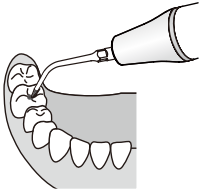


IRRIGATION

G30 (GD30/G30T)

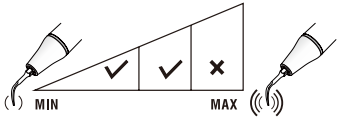
The tip head is coated with (90 μm) diamond, used for the preparation between pits and fissures.



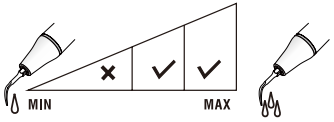




MODE: G



POWER

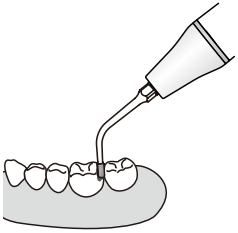


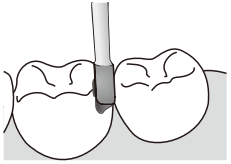
IRRIGATION

G31 (GD31)

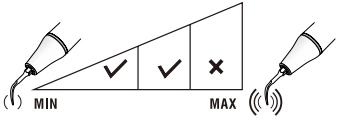
The tip head is coated with (90 μm) diamond, used for the preparation of the mesial cavity.



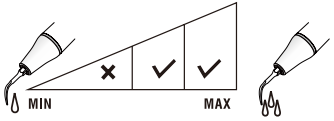




MODE: G



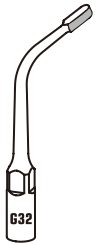
POWER

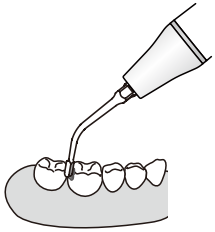


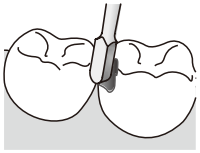
IRRIGATION

G32 (GD32/G32T)

The tip head is coated with (90 μm) diamond, used for the preparation of the distal cavity.

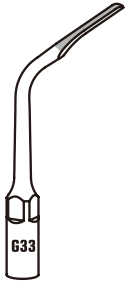


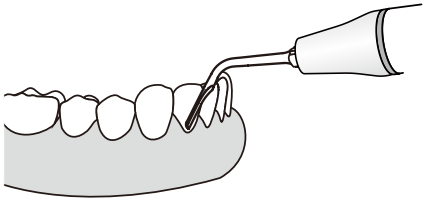




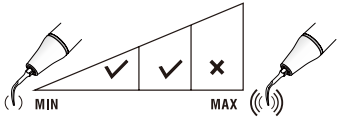
G33 (GD33/G33T)

The tip head is coated with (90 μm) diamond, used for the preparation of the tooth veneers.

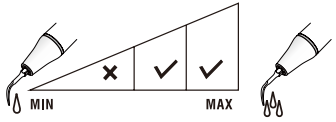




MODE: G

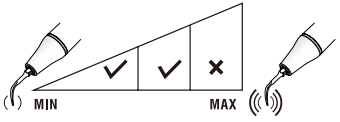


POWER

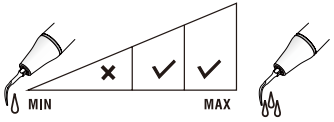


IRRIGATION

MODE: G



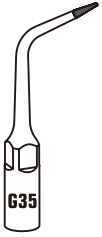
POWER

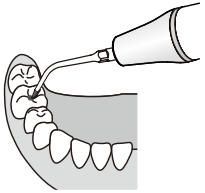


IRRIGATION

G35

The tip head is coated with diamond and is cone-shaped. Used for the preparation between pits and fissures of children's teeth.
Adjust the tip power and water volume outside the mouth, and then place the tip into the patient's mouth. Start the machine and perform the cutting preparation with the tip extremity against the tooth treatment site.



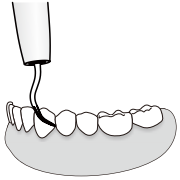


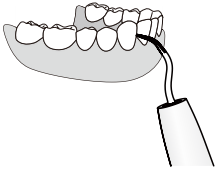


GK1

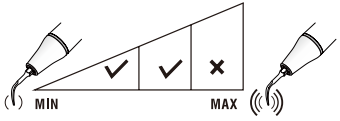
Removal of supragingival deposits in all quadrants.







MODE: G



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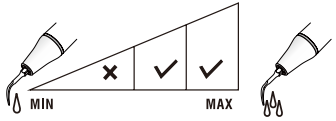

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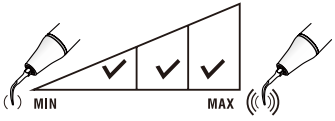

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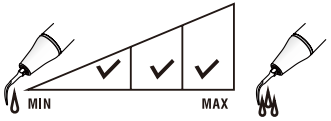
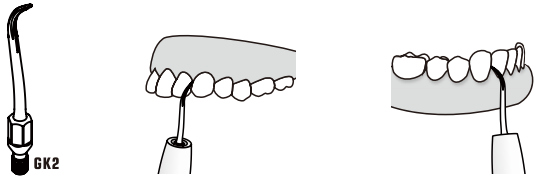


IRRIGATION

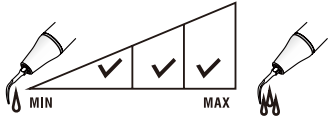
GK2

Removal of supragingival heavy calculus and plaque.





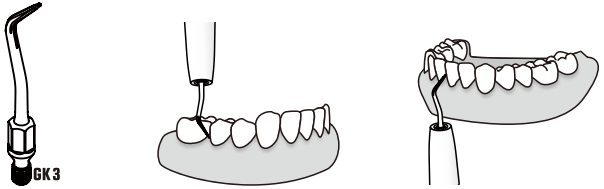
POWER



IRRIGATION

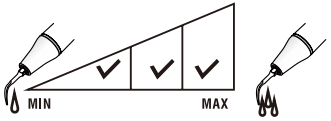
GK3

Removal of supragingival calculus, interdental calculus and calculus at the neck of the teeth.





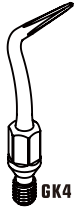
POWER

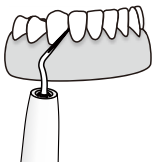


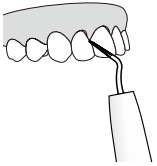
IRRIGATION

GK4

Removal of supragingival deposits, including the interproximal and sulcus areas.

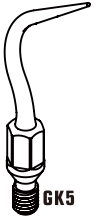


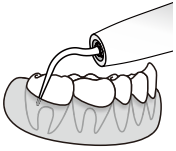


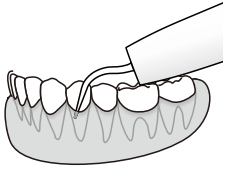


GK5

Removal of subgingival calculus.









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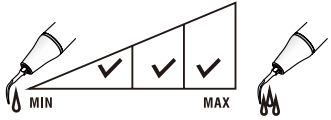

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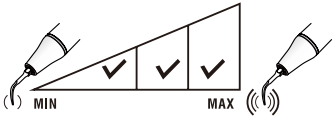

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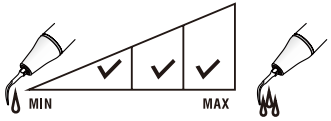
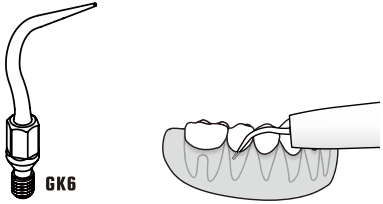
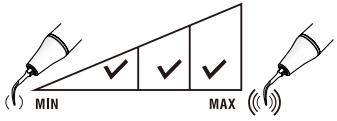


IRRIGATION

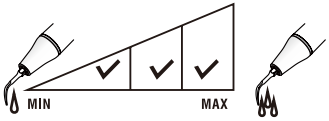
GK6

Left-angled, removal of subgingival calculus.





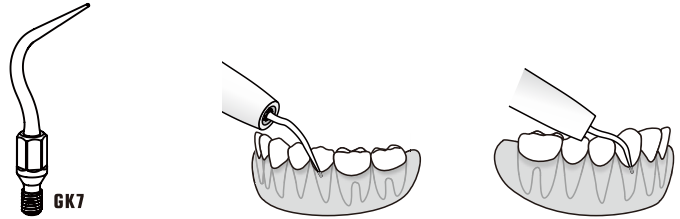
POWER

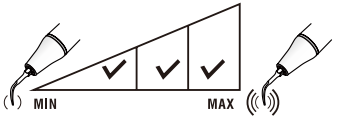


IRRIGATION

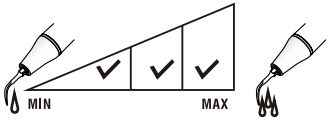
GK7

Right-angled, removal of subgingival calculus.





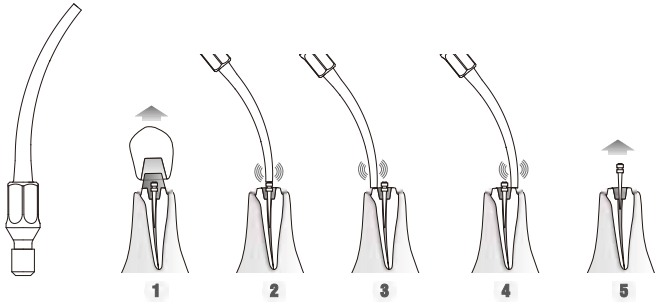
POWER



IRRIGATION

GK8

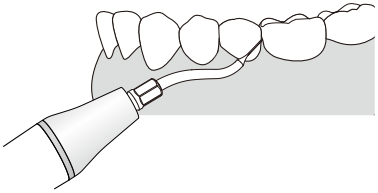
Removal of posts.
High efficiency for the removal of the difficult prosthetic parts.

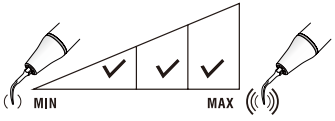


GK11

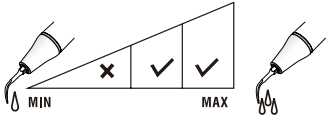
Diamond-coated (40 µm) instrument for polishing the treatment surface of teeth in interproximal areas, without damaging the adjacent teeth during the orthodontics treatment.



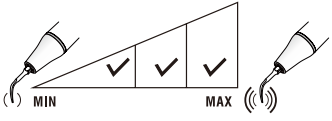




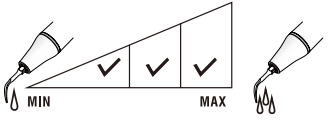
POWER



IRRIGATION



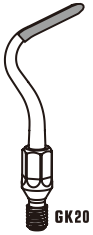
POWER

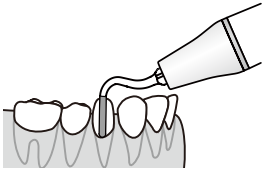


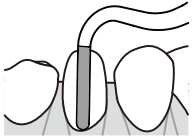
IRRIGATION

GK20

There are diamonds coated (120 μm grit) on the head of the tip for dentin abrading.
It's used for "supragingival shoulder" preparation after the completion of the preparation of the"subgingival shoulder" with bur.

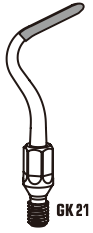


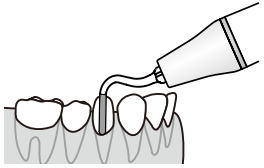


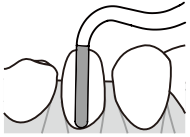


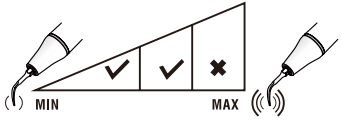
GK21

There are diamonds coated (50 μm fine sand) on the head of the tip for dentin abrading. Mainly used for polishing of prepared supragingival shoulder and subgingival shoulder.









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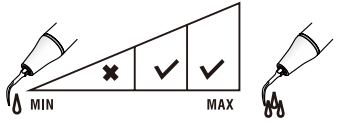
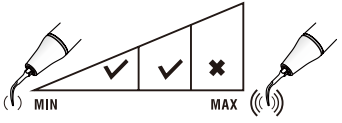
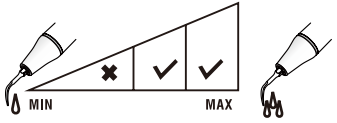


IRRIGATION



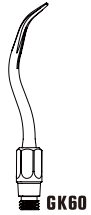
POWER

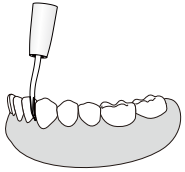


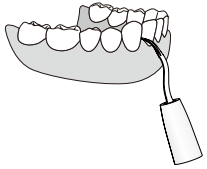
IRRIGATION

GK60

Removal of supragingival deposits in all quadrants.

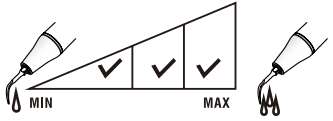








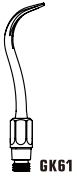
POWER

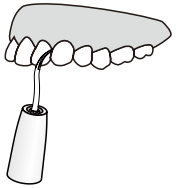


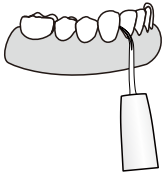
IRRIGATION

GK61

Removal of supragingival heavy calculus and plaque.

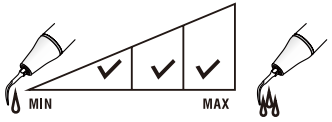








POWER

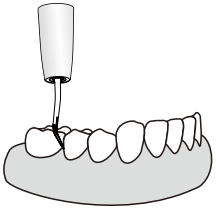


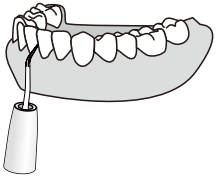
IRRIGATION

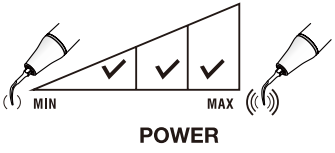
GK62

Removal of supragingival calculus, interdental calculus and calculus at the neck of the teeth.









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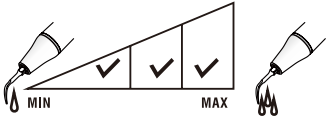
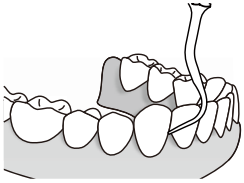


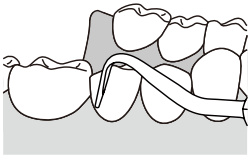
IRRIGATION

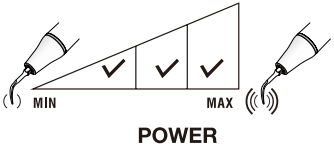
A1 (A1T)

Removal of supragingival deposits, including the interproximal and sulcus areas.

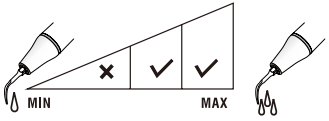








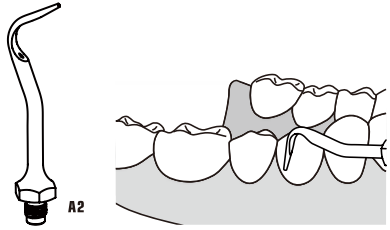
POWER

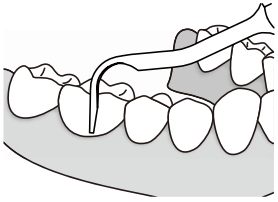


IRRIGATION

A2 (A1T)

Removal of supragingival deposits in all quadrants, including neck and adjacent part of the teeth.

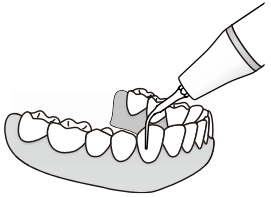


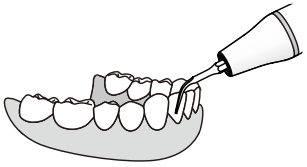


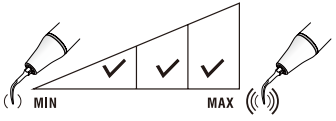
GC1

Removal of supragingival deposits in all quadrants.

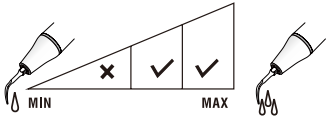






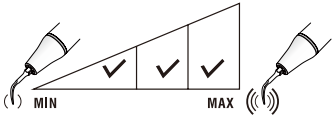


POWER

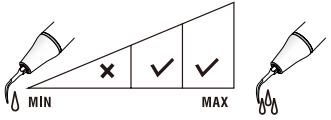


IRRIGATION

MODE: G



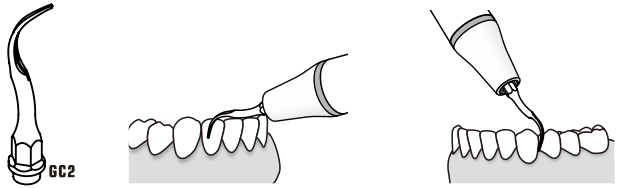
POWER



IRRIGATION

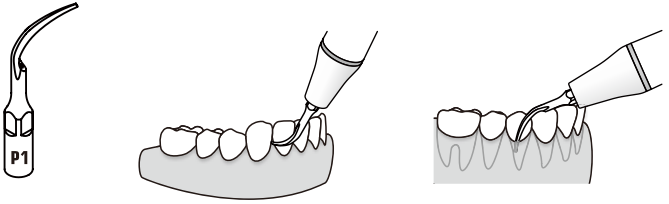
GC2

Removal of supragingival calculus, interdental calculus and calculus at the neck of the teeth.

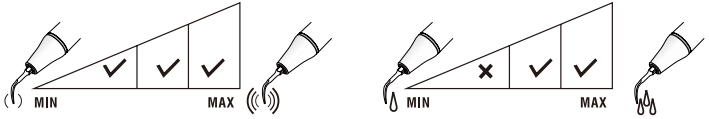


P1 (PD1/P1T/PD1T/PS1)

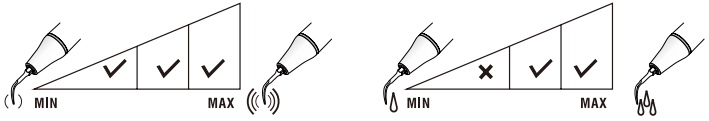
Slim and sharp, recommended for cleaning and irrigation of subgingival deposits.



MODE: G

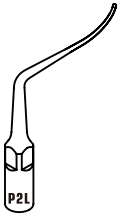


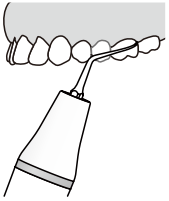
MODE: P



P2L (PD2L/P2LT/PD2LT)

Left-angled, used to remove calculus from very narrow inter-root spaces and furcations.

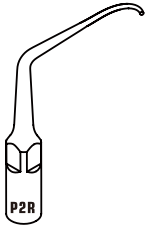


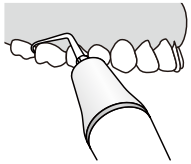


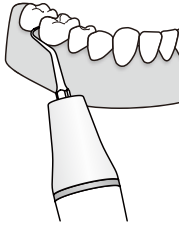


P2R (PD2R/P2RT/PD2RT)

Right-angled, used to remove calculus from very narrow inter-root spaces and furcations.



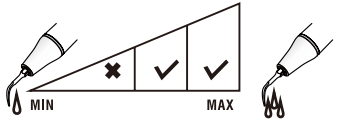




MODE: P



POWER

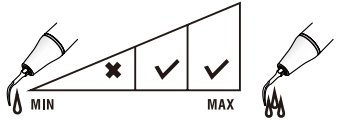


IRRIGATION

MODE: P



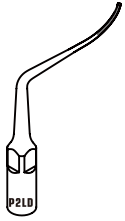
POWER

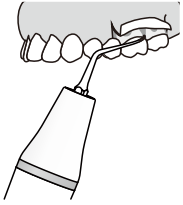


IRRIGATION

P2LD (PD2LD)

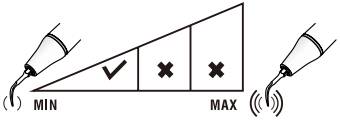
Left-angled, diamond-coated (40 µm) instrument for root planing.



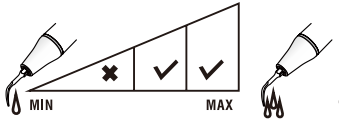




MODE: P



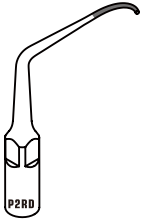
POWER

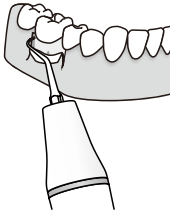


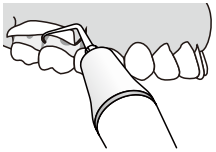
IRRIGATION

P2RD (PD2RD)

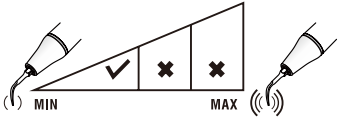
Right-angled, diamond-coated (40 µm) instrument for root planing.



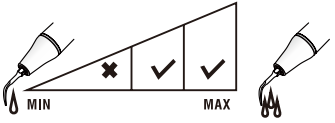




MODE: P



POWER



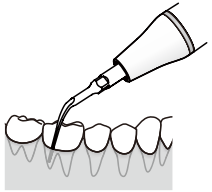
IRRIGATION

P3 (PD3/P3T/PD3T/PS3)

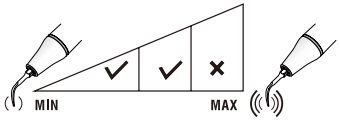
Recommended for cleaning and irrigation of periodontal deep pockets.







MODE: P



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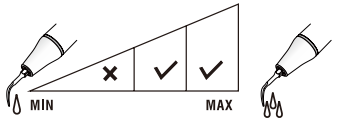
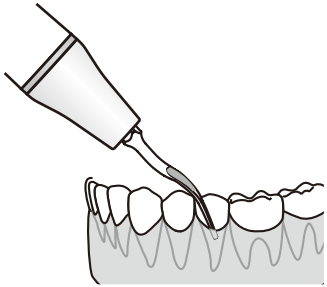


IRRIGATION

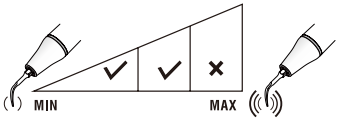
P3L (PD3L/P3LT/PD3LT)

Left-angled, used for subgingival scaling.

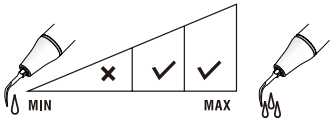




MODE: P



POWER

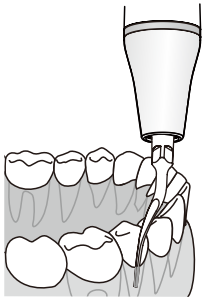


IRRIGATION

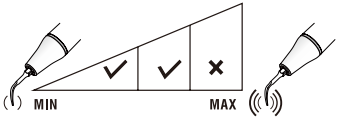
P3R (PD3L/P3LT/PD3LT)

Right-angled, used for subgingival scaling.

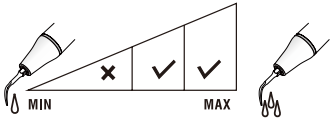




MODE: P



POWER

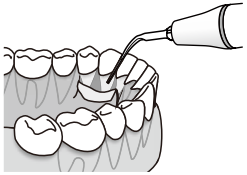


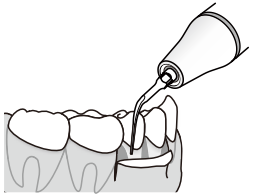
IRRIGATION

P3D (PD3D/PS3D)

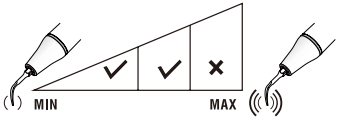
Diamond-coated (40 μm) instrument for root planning after the periodontal flap surgery. It's also applied to edge planning of artificial crown and furcation expanding.







MODE: P



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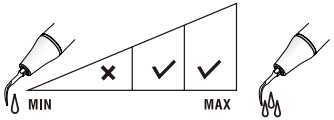
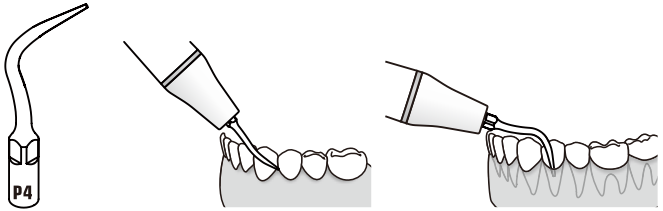


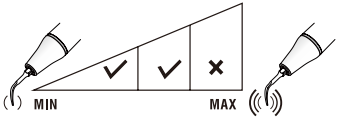
IRRIGATION

P4(PD4/P4T/PD4T/PS4)

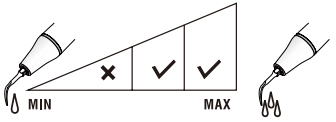
Recommended for cleaning and irrigation of periodontal shallow pockets.



MODE: P



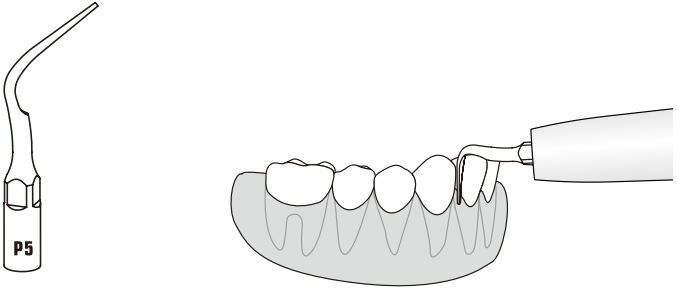
POWER



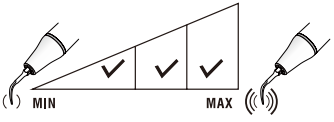
IRRIGATION

P5(PD5/P5T/PD5T)

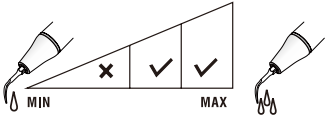
For removal of the calculus in the adjacent of teeth and gingival margin of the neck.



MODE: P



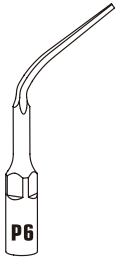
POWER

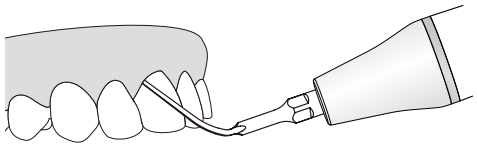


IRRIGATION

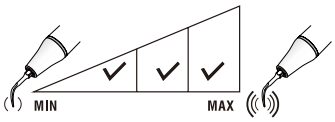
P6 (PD6/P6T/PD6T)

Slim and sharp, recommended for cleaning and irrigation of periodontal deep pockets.

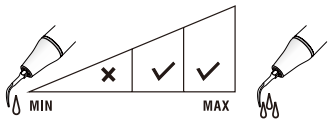




MODE: P



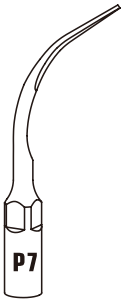
POWER

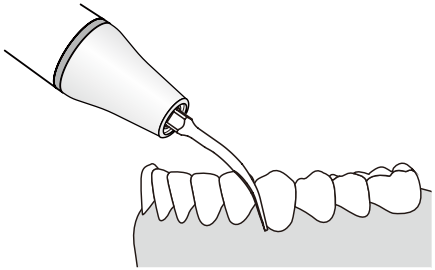


IRRIGATION

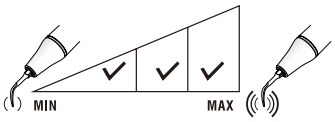
P7 (PD7)

Slim and sharp, recommended for cleaning and irrigation of subgingival deposits.

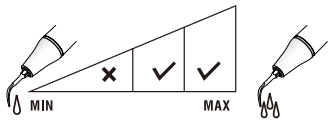




MODE: P



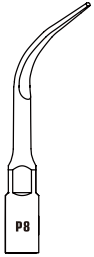
POWER

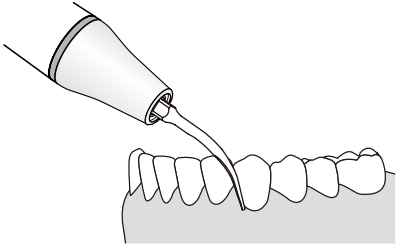


IRRIGATION

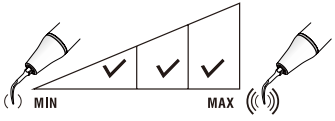
P8

Function: used to remove the calculus in shallow periodontal pocket and treat the adjacent tooth surface and ditch area.
Features: The tip is flat and wide, which can be used to clean the supragingival teeth surface and 1/4 part of periodontal pockets.

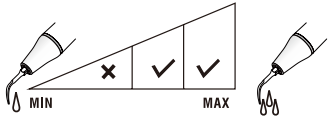




MODE: P



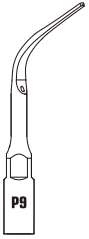
POWER



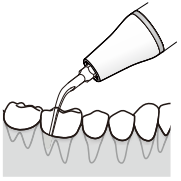
IRRIGATION

P9

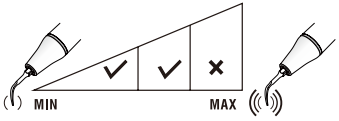
Recommended for cleaning and irrigation of periodontal deep pockets.



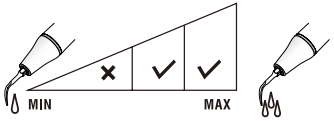




MODE: P



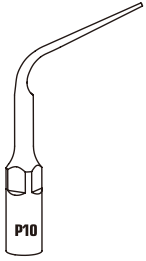
POWER

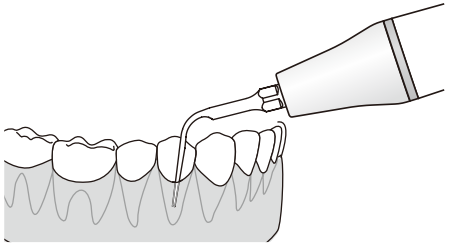


IRRIGATION

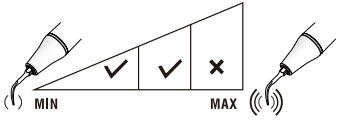
P10 (PD10/P10T/PD10T)

For gentle scaling and removal of tartar in the periodontal pocket.

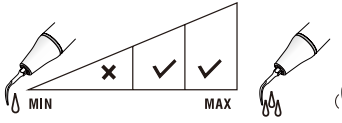




MODE: P



POWER



IRRIGATION

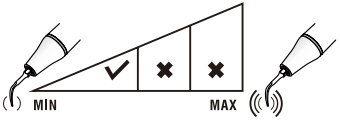
P11 (PD11/P11T/PD11T)

For highly efficient removal of the subgingival stubborn calculus.

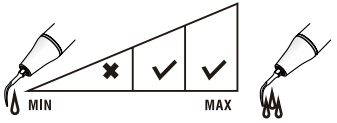




MODE: P



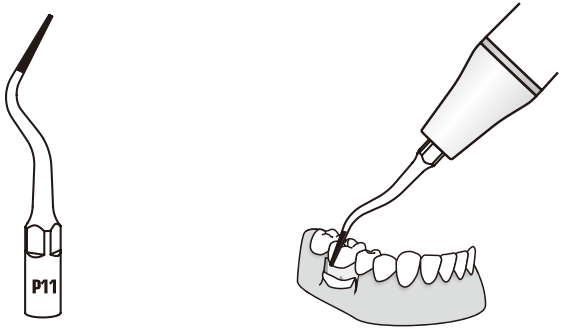
POWER



IRRIGATION

P11D (PD11D)

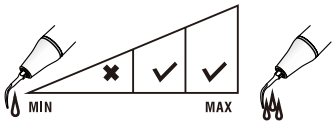
Used for root surface leveling after periodontal flap surgery.



MODE: P



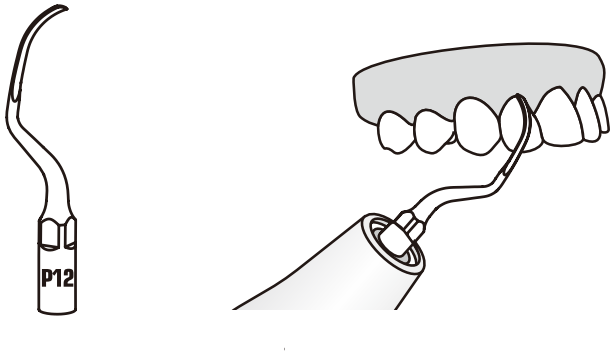
POWER



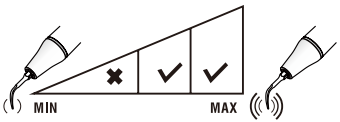
IRRIGATION

P12 (PD12/P12T/PD12T)

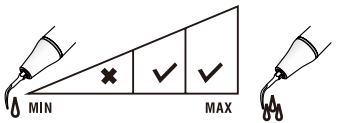
With slim blade edge at the end of the tip, for highly efficient removal of the stubborn calculus in posterior subgingival areas.



MODE: P



POWER

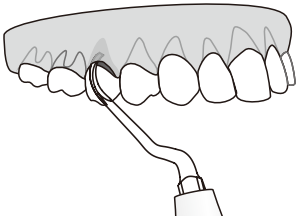


IRRIGATION

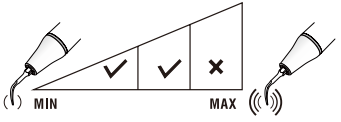
P14R (PD14R/P14RT/PD14RT)

Right curved, with slim blade edge at the end of the tip, for highly efficient removal of the stubborn calculus in posterior subgingival areas.

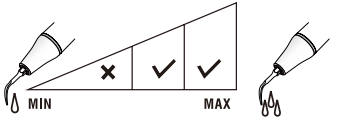




MODE: P



POWER

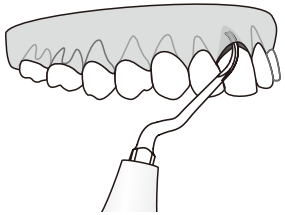


IRRIGATION

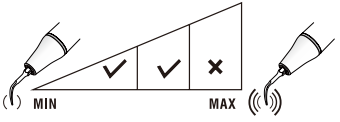
P14L(PD14L/P14LT/PD14LT)

Left curved, with slim blade edge at the end of the tip, for highly efficient removal of the stubborn calculus in posterior subgingival areas.

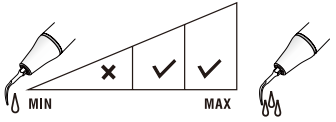




MODE: P



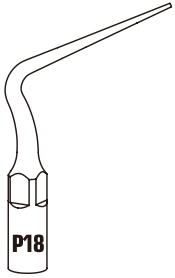
POWER

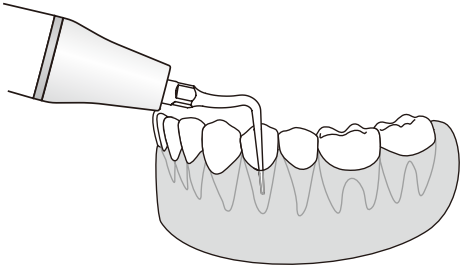


IRRIGATION

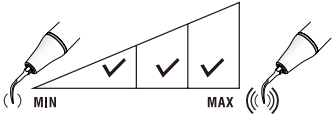
P18(PD18/P18T/PD18T)

For probing the deep periodontal pocket calculus, and subgingival rinsing after scaling.

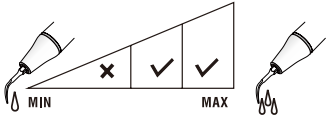




MODE: P



POWER

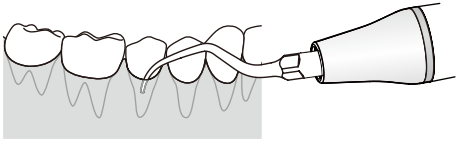


IRRIGATION

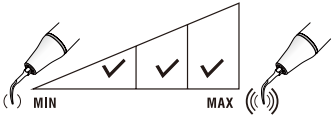
P20(PD20/P20T/PD20T)

For removal of the calculus in the adjacent of teeth, gingival margin of the neck and the calculus within 3 mm in the subgingival pocket.

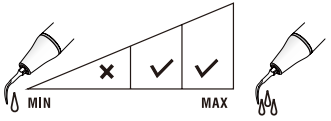




MODE: P



POWER

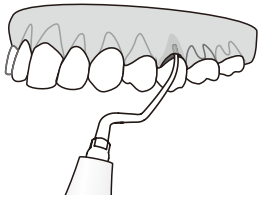


IRRIGATION

P20L (PD20L/P20LT/PD20LT)

Left curved, for highly efficient removal of the stubborn calculus in posterior subgingival areas.





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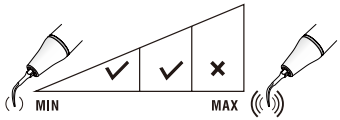
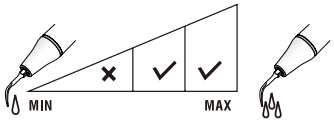


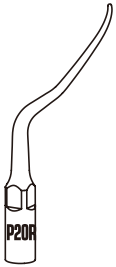
POWER

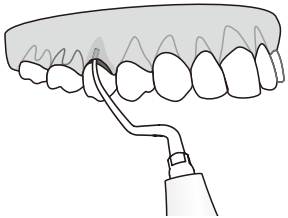


IRRIGATION

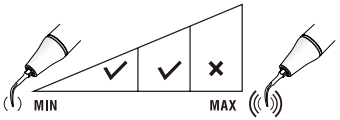
P20R (PD20R/P20RT/PD20RT)

Right curved, for highly efficient removal of the stubborn calculus in posterior subgingival areas.

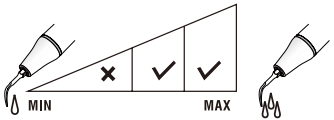




MODE: P



POWER

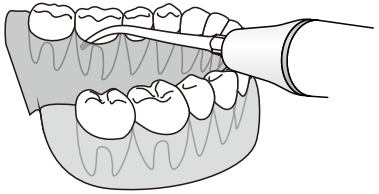


IRRIGATION

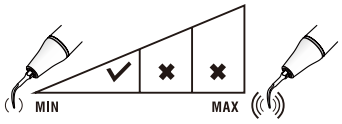
P21L (PD21L/P21LT/PD21LT)

Left curved, for scaling of root bifurcation and adjacent root surfaces of posterior teeth.

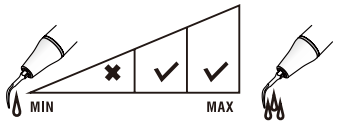




MODE: P



POWER

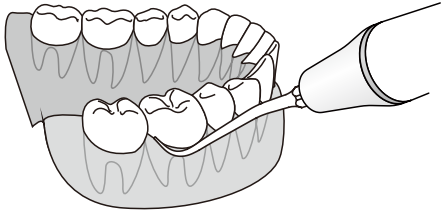


IRRIGATION

P21R (PD21R/P21RT/PD21RT)

Right curved, for scaling of root bifurcation and adjacent root surfaces of posterior teeth.

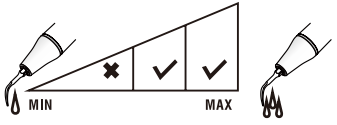




MODE: P



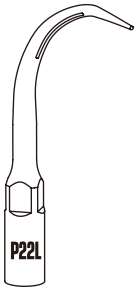
POWER

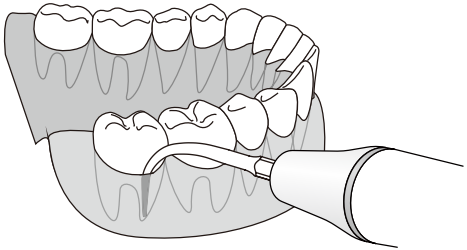


IRRIGATION

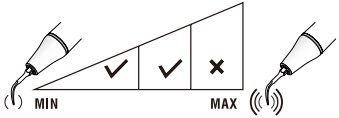
P22L(PD22L/P22LT/PD22LT)

Left curved, the 12 mm straight part can assure the complete removal of subgingival calculus and stains.

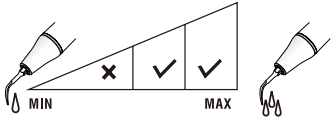




MODE: P



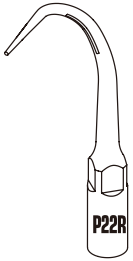
POWER

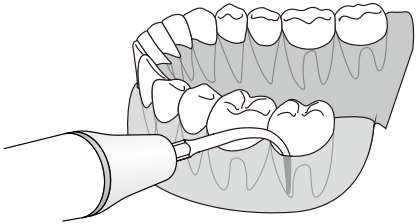


IRRIGATION

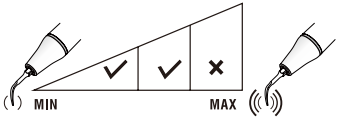
P22R(PD22R/P22RT/PD22RT)

Right curved, the 12 mm straight part can assure the complete removal of subgingival calculus and stains.

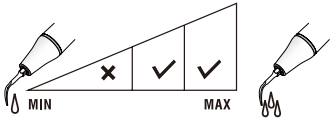




MODE: P



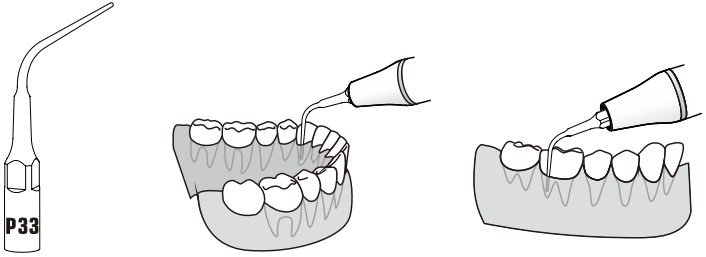
POWER



IRRIGATION

P33

Function: Used to remove calculus deep in the periodontal pocket and rinse the periodontal pocket.
Features: The tip is slender and can be used for fine scaling of subgingival root surface.
Note:
(1) The tip is mainly used for treatment in deep periodontal pockets. During use, the power should be set as small as possible and cannotexceed the recommended power level.
(2) The tip has an irrigating function on the periodontal pocket. During operation, the water volume should be set as large as possible.



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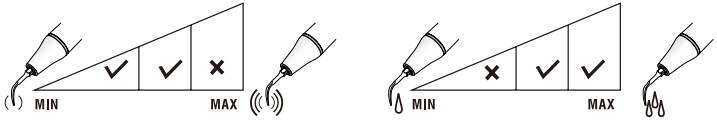
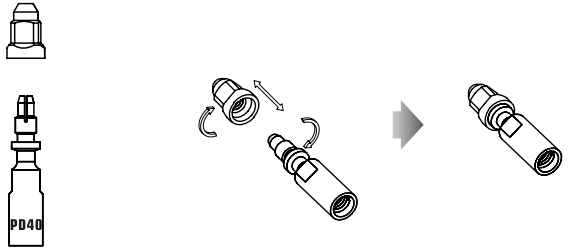


POWER **IRRIGATION**

PD40

Function: It can be used as an adapter to hold the implant maintenance tips PD41, PD42, PD43L and PD43R to clean and maintain the implant.



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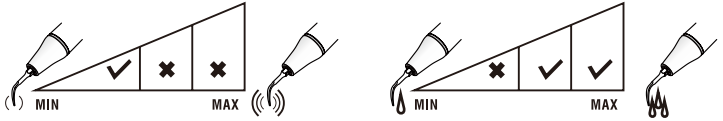
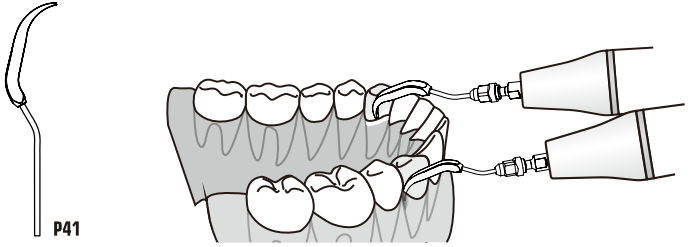


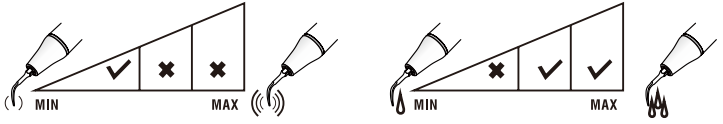
POWER **IRRIGATION**

PD41

Function: For implant maintenance. It can be installed to PD40 adapter to realize the cleaning and maintenance of implant.
Size: Plastic head is of 15 mm length.
Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance.
Use:
a. Used in P mode of D600. Recommended power level: level 1~3.
b. Used in P mode of S6. Recommended power level: level 1~6.
Note:
(1) The plastic part is made of PEEK material which can be autoclavable under high temperature and high pressure. The higher the power, the easier it is to wear;
(2) Avoid the tip stuck in the gap of the tooth during operation to avoid breaking the tip.



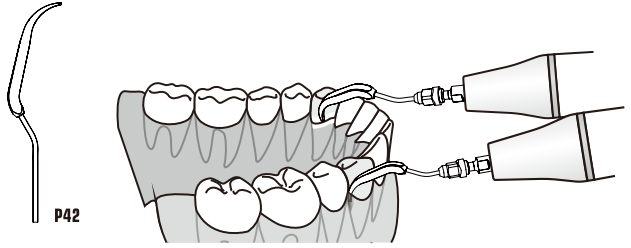
MODE: P



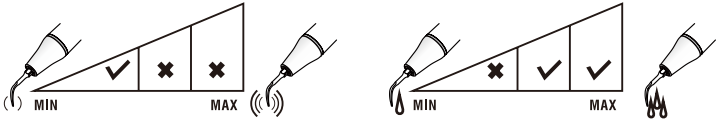
POWER **IRRIGATION**

PD42

Function: For implant maintenance. It can be installed to PD40 adapter torealize the cleaning and maintenance of implant.
Size: Plastic head is of 19 mm length.
Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance.
Use:
a. Used in P mode of D600. Recommended power level: level 1~5.
b. Usedin P mode of S6. Recommended power level: level 1~9.
Note:
(1) The plastic part is made of PEEK material which can be autoclavable under high temperature and high pressure. The higher the power, the easier it is to wear;
(2) Avoid the tip stuck in the gap of the tooth during operation to avoidbreaking the tip.



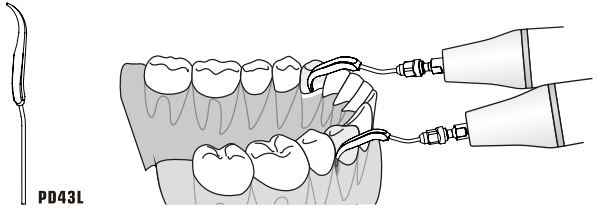
MODE: P



POWER **IRRIGATION**

PD43L

Function: Implant maintenance tip installed on PD40 adapter to realize the cleaning and maintenance of dental implants.
Plastic head length: 21 mm
Feature: The tip is of a slender hook shape, making it easier to cleanand maintain in subgingival part. The tip end is twice bent, so it does not touch the adjacent teeth and buccal surface, enabling wider application areas.
Use:
Used in P mode of D600; recommended power level: level 1~8
Used in P mode of S6; recommended power level: level 1~12
Used in P mode of ordinary scalers; recommended power level: level 1~3
Note:
(1) The plastic part is made of autoclavable PEEK material. The higher the power, the easier it is to wear.
(2) Avoid the tip stuck in the gap of the tooth during operation to prevent breaking the tip.
(3) Before use, please make sure that the water output of handpiece is normal, and then install the tip to avoid damage to the tip.



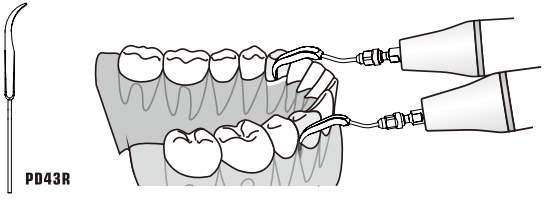
MODE: P



POWER **IRRIGATION**

PD43R

Function: Implant maintenance tip installed on PD40 adapter to realize thecleaning and maintenance of dental implants.
Plastic head length: 21 mm
Feature: The tip is of a slender hook shape, making it easier to clean and maintain in subgingival part. The tip end is twice bent, so it does not touch the adjacent teeth and buccal surface, enabling wider application areas.
Use:
Used in P mode of D600; recommended power level: level 1~8
Used in P mode of S6; recommended power level: level 1~12
Used in P mode of ordinary scalers; recommended power level: level 1~3
Note:
(1) The plastic part is made of autoclavable PEEK material. The higher the power, the easier it is to wear.
(2) Avoid the tip stuck in the gap of the tooth during operation to prevent breaking the tip.
(3) Before use, please make sure that the water output of handpiece is normal, and then install the tip to avoid damage to the tip.



MODE: P

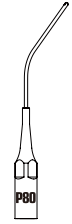


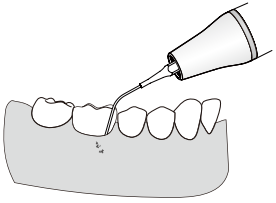
POWER **IRRIGATION**

Special design for periodontal treatment device

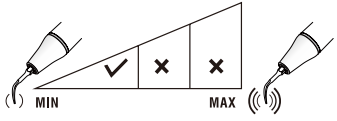
P80

Function: For subgingival irrigation. It is mainly used to rinse out the residue after the subgingival treatment.
Features: For non-invasive irrigation. The water outlet is at about 1 mm from the tip, which is convenient for subgingival flushing at different areas and angles.
Note:
(1) The tip is mainly used for subgingival irrigation, and should not be used for scraping solid objects as much as possible to prevent the tip from being worn too fast and shortening the service life.
(2) In order to ensure the safety, it is recommended to firstly perform the external debugging, select debugging water volume under power level 1, ensure the water output is normal, and adjust the power within the range of power level limit.

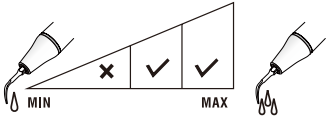




MODE: P



POWER

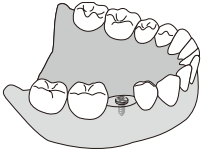


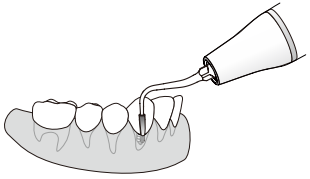
IRRIGATION

P90

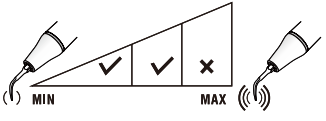
Volume of water: Ensure the cooling water reach the end of the tip.
Functional Description: Used for gingival large stones and dental plaque.
Applicable area: All teeth buccal and lingual sites of dental implant or prosthesis.
Operation method: The tip is parallel to the long axis of the tooth. and ensure the 2 mm right or left tip niddle site adapt the tooth surface. Move the tip front and back.
Warn: Please ensure that there is water coming out from the handpiece to avoid damage to the tip.







MODE: P



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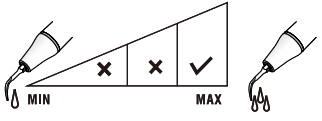
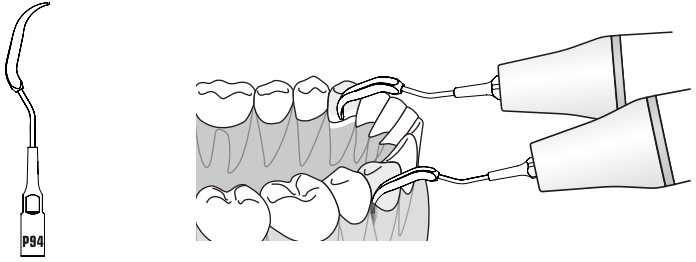


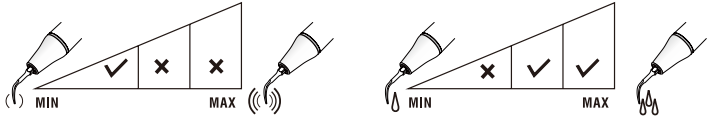
IRRIGATION

P94

Function: Cleaning and maintenance of implant.
Size: Plastic head is of 15 mm length.
Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance.
Use:
a. Used in P mode of Periodontal Treatment Device. Recommended power level: level 1~3.
b. Used in P mode of U600. Recommended power level: level 1.
c. Used in P mode of U6. Recommended power level: level 1~3.
Note:
(1) The plastic part is made of PEEK material which can be autoclavable under high temperature and high pressure. The higher the power, the easier it is to wear;
(2) Avoid the tip stuck in the gap of the tooth during operation to avoid breaking the tip.



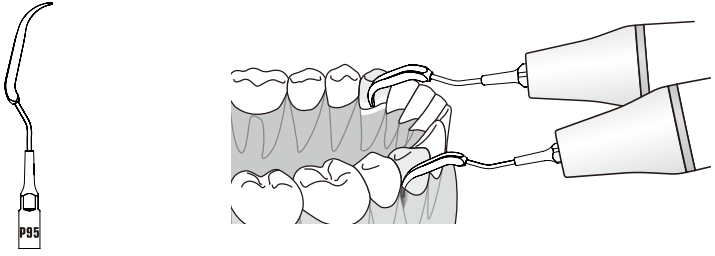
MODE: P



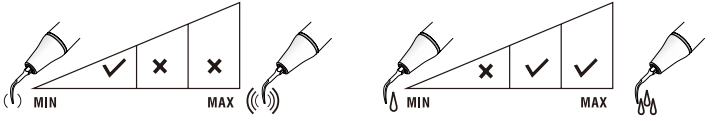
POWER **IRRIGATION**

P95

Function: Cleaning and maintenance of implant.
Size: Plastic head is of 19 mm length.
Features: The tip is of a slender hook shape, making it easier for subgingival cleaning and maintenance.
Use:
a. Used in P mode of Periodontal Treatment Device. Recommended power level: level 1~6.
b. Used in Pmode of U600. Recommended power level: level 1~3.
c. Used in Pmode of U6. Recommended power level: level 1~6.
Note:
(1) The plastic part is made of PEEK material which can be autoclavable under high temperature and high pressure. The higher the power, the easier it is to wear;
(2) Avoid the tip stuck in the gap of the tooth during operation to avoid breaking the tip.



MODE: P

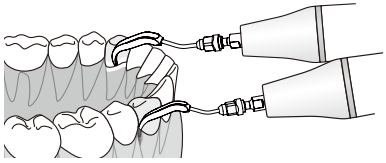


POWER **IRRIGATION**

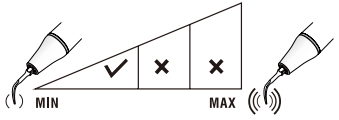
P96L

Function: Used for cleaning and maintenance of dental implants.
Plastic head length: 21 mm.
Feature: The tip is of a slender hook shape, making it easier to clean and maintain in subgingival part.The tip end is twice bent, so it does not touch the adjacent teeth and buccal surface, enabling wider application areas.
Use:
Used in Pmode of Periodontal Treatment Device; recommended power level: level 1~5.
Used in Pmode of U600; recommended power level: level 1~2.
Used in P mode of U6; recommended power level: level 1~4.
Used in Pmode of ordinary scalers; recommended power level: low (level 1~3).
Note:
(1) The plastic part is made of autoclavable PEEK material. The higher the power, the easier it is to wear.
(2) Avoid the tip stuck in the gap of the tooth during operation to prevent breaking the tip.
(3) Before use, please make sure that the water output of handpiece is normal, and then install the tip to avoid damage to the tip.

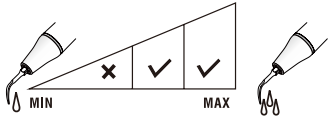




MODE: P



POWER

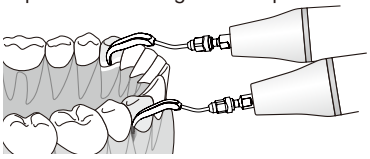


IRRIGATION

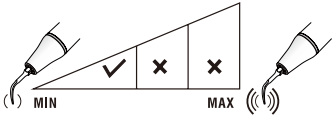
P96R

Function: Used for cleaning and maintenance of dental implants.
Plastic head length: 21 mm.
Feature: The tip is of a slender hook shape, making it easier to clean and maintain in subgingival part.
The tip end is twice bent, so it does not touch the adjacent teeth and buccal surface, enabling wider application areas.
Use:
Used in P mode of Periodontal Treatment Device; recommended power level: level 1~5
Used in Pmode of U600; recommended power level: level 1~2.
Used in P mode of U6; recommended power level: level 1~4.
Used in Pmode of ordinary scalers; recommended power level: low (level 1~3).
Note:
(1) The plastic part is made of autoclavable PEEK material. The higher the power, theeasier it is to wear.
(2) Avoid the tip stuck in the gap of the tooth during operation to prevent breaking the tip.
(3) Before use, please make sure that the water output of handpiece is normal, and then install the tip to avoid damage to the tip.

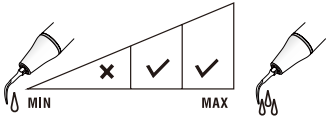




MODE: P



POWER

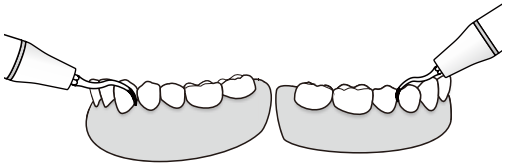


IRRIGATION

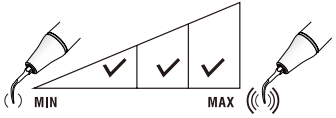
PC1

Removal of subgingival calculus, including the interproximal and sulcus areas.





MODE: P



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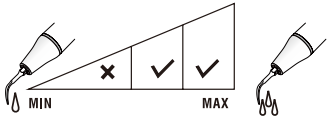
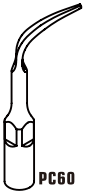
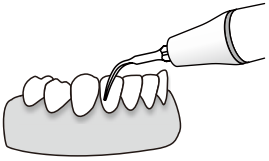


IRRIGATION

PC60

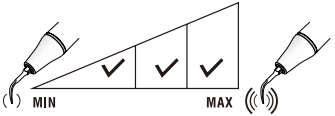
Recommended for the treatment of interproximal areas and for supragingival scaling.



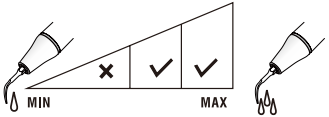




MODE: P



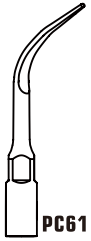
POWER

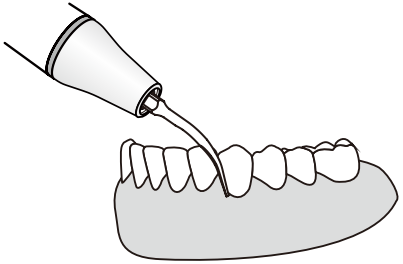


IRRIGATION

PC61

Function: Used to remove the calculus in shallow periodontal pocket and treat the adjacent tooth surface and ditch area.
Features: The tip is flat and wide, which can be used to clean the teeth surface in subgingival 1/4 and the supragingival part.





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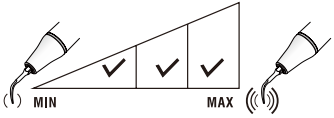

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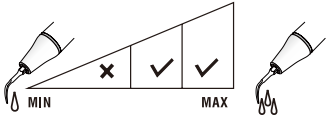
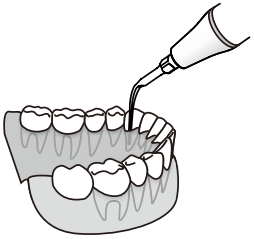


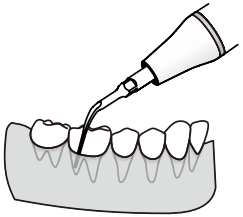
IRRIGATION

PC62

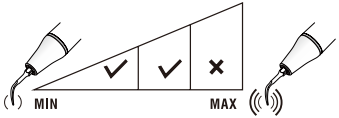
Recommended for cleaning and irrigation of periodontal deep pockets.







MODE: P



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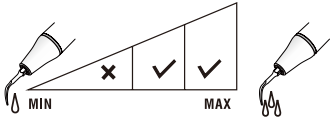


IRRIGATION

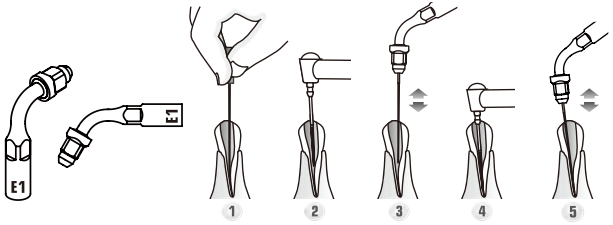
E1(ED1/E1T/ED1T/ES1)

120° holder, used to hold the file diameter Ø 0.7 mm or Ø 0.8 mm. Recommended for the cleaning and irrigation of the root canal, usually used for the anterior teeth.

Use only the provided flat wrench to tighten the file holders on the handpiece, as well as for gently tightening the files or instruments in theholder. Do not over tighten.

Do not tighten the holder nut when no file or instrument is installed asthis may damage it.

Do not mix-install the holder with Ø 0.7 mm and Ø 0.8 mm file, the Ø 0.8 mm file will not be able to be installed after a Ø 0.7 mm file installed on the holder. Each Endo file is recommended to be used no more than 10 times.



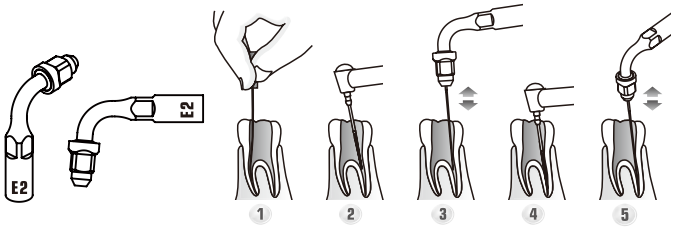
E2(ED2/E2T/ED2T/ES2)

95° holder, used to hold the file diameter Ø 0.7 mm or Ø 0.8 mm. Recommended for cleaning and irrigation of the root canal, usually used for the molar teeth.

Use only the provided flat wrench to tighten the file holders on the handpiece, as well as for gently tightening the files or instruments in the holder. Do not over tighten.

Do not tighten the holder nut when no file or instrument is installed as thismay damage it.

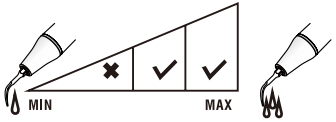
Do not mix-install the holder with Ø 0.7 mm and Ø 0.8 mm file, the Ø 0.8 mm file will not be able to be installed after a Ø 0.7 mm file installed on the holder. Each Endo file is recommended to be used no more than 10 times.



MODE: E



POWER

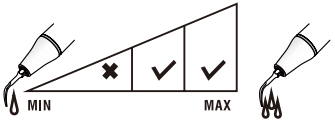


IRRIGATION

MODE: E



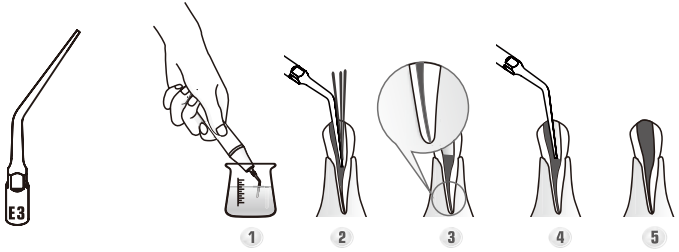
POWER



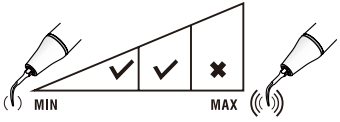
IRRIGATION

E3 (ED3/E3T/ED3T/ES3)

Recommended for melting gutta-percha.
Immerse the instrument in eugenol before inserting it in the canal.
Slightly press the instrument against the cone of gutta-percha and activate the scaler to condense until the canal is filled.



MODE: E



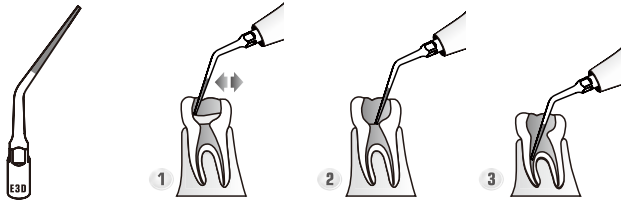
POWER



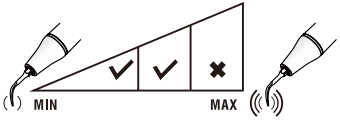
IRRIGATION

E3D (ES3D)

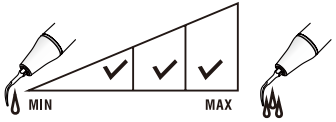
Used to remove calcification and poor filling in the cavity and to remove the pulp chamber overhang.



MODE: E



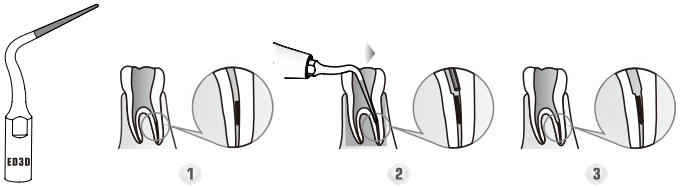
POWER



IRRIGATION

ED3D

Used to remove calcification and poor filling in the cavity and to remove the pulp chamber overhang.

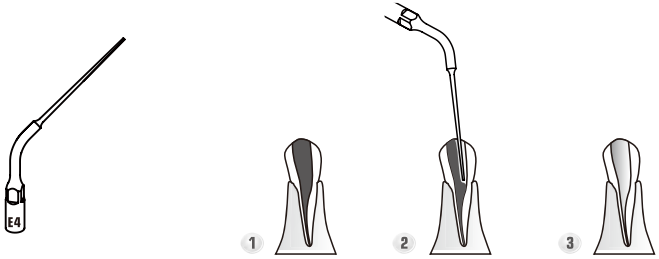


MODE: E



E4 (ED4/E4T/ED4T/ES4)

Used to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is (22 mm).

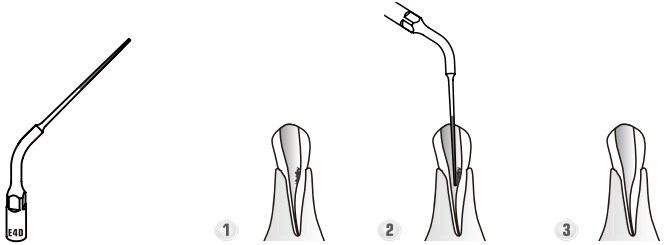


MODE: E

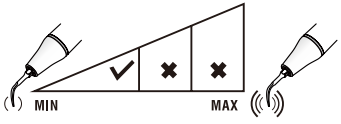


E4D (ED4D/E4DT/ES4D)

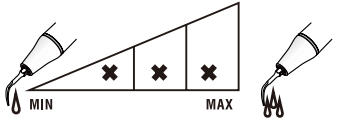
Diamond-coated (40 µm) instrument for removing the calcification andbad filling material in the root canal during the root canal retreatment.
The length of the diamond-coated on tip is (15 mm).



MODE: E



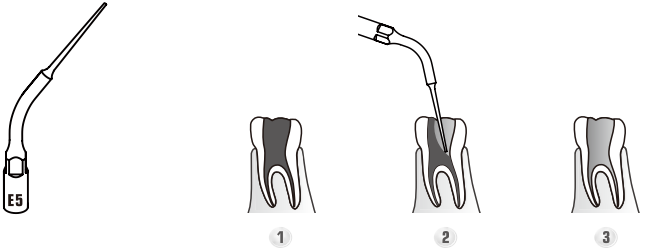
POWER



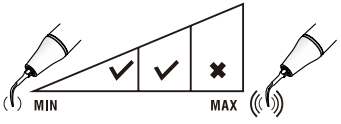
IRRIGATION

E5 (ED5/E5T/ED5T/ES5)

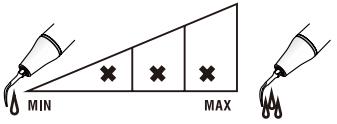
Used to remove the root filling obstructions during the root canal retreatment. The length of tip slender part is (16 mm).



MODE: E



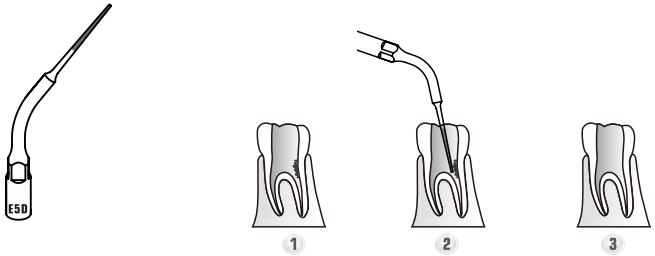
POWER



IRRIGATION

E5D (ED5D/E5DT/ES5D)

Diamond-coated (40 μm) instrument for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of the diamond-coated on tip is (10 mm).

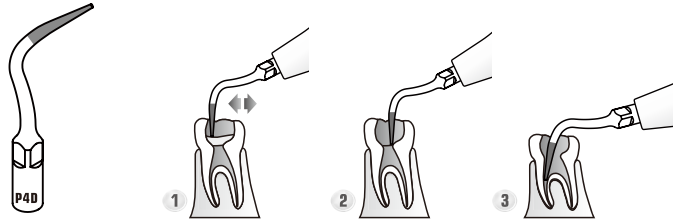


MODE: E

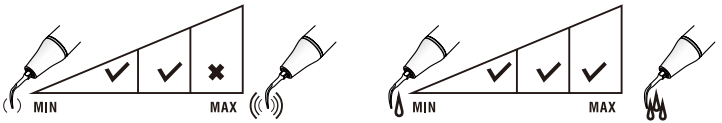


P4D (PD4D/PS4D)

Diamond-coated (40 μm) instrument for root canal orientation. It can alsobe applied to remove the calcifications located at the 1/3 part of root canal.
Don't press too much during the treatment to avoid hurting the root canal.

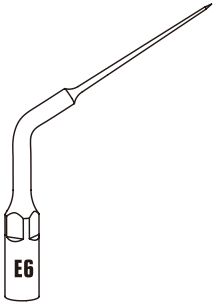


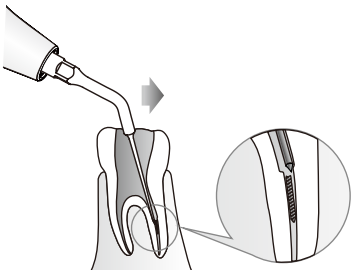
MODE: E



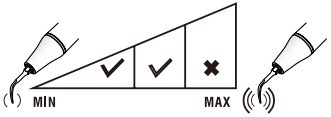
E6 (ED6)

Thin and flexible, used for removing foreign body in deep canal.

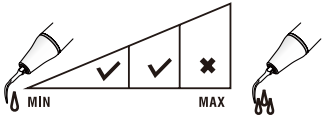




MODE: E



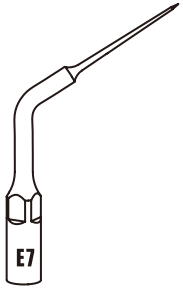
POWER

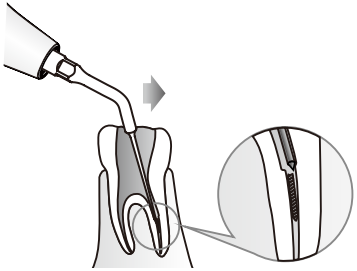


IRRIGATION

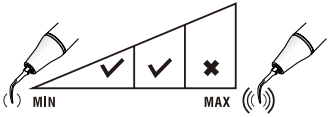
E7 (ED7)

Thin and flexible, used for removing foreign body in 1/3 canal.

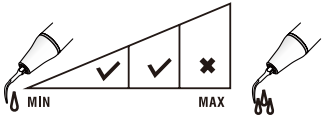




MODE: E



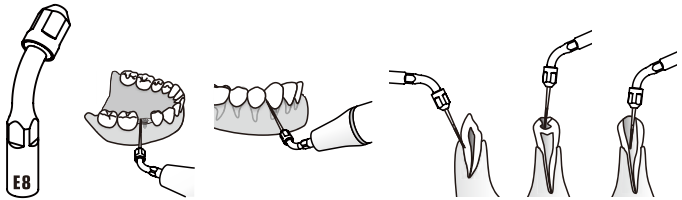
POWER



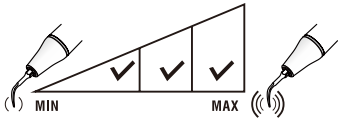
IRRIGATION

E8 (ED8/E8T/ED8T/ES8)

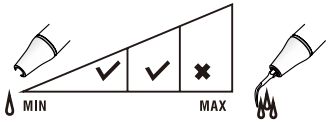
Recommended for holding different types of dental burs to realize avariety of treatment on teeth. Usually used for the anterior teeth. Special burs used for dental implant are applicable.



MODE: E



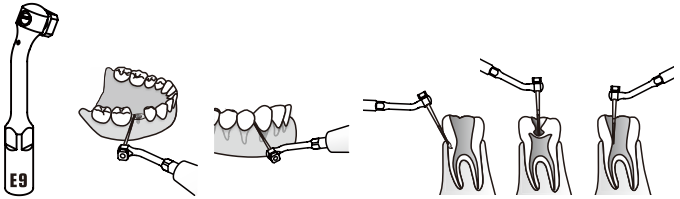
POWER



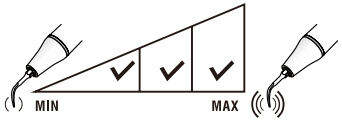
IRRIGATION

E9 (ED9/E9T/ED9T)

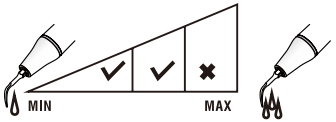
Recommended for holding different types of dental burs to realize a varietyof treatment on teeth. Usually used for the molar teeth. Special burs used for dental implant are applicable.



MODE: E



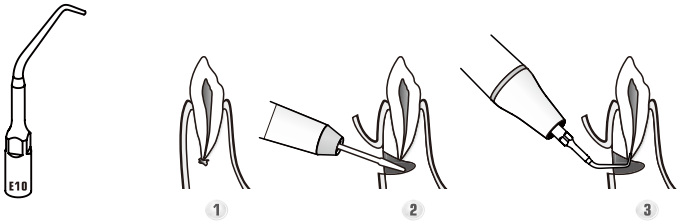
POWER



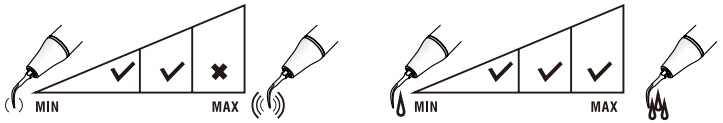
IRRIGATION

E10 (ED10/E10T/ED10T/ES10)

Used to polish the root canal in the retrograde preparation of root canals.
The length of tip slender part is (4.5 mm).

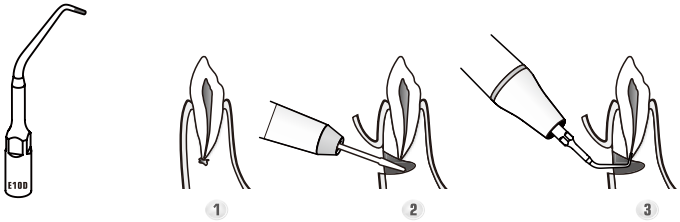


MODE: E

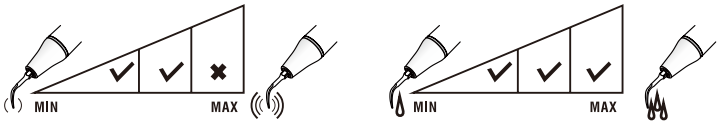


E10D (ED10D/E10DT/ED10DT/ES10D)

Diamond-coated (40 μm) instrument for high efficiency root planning in the retrograde preparation of root canals.
The length of the diamond-coated on tip is (3.3 mm).

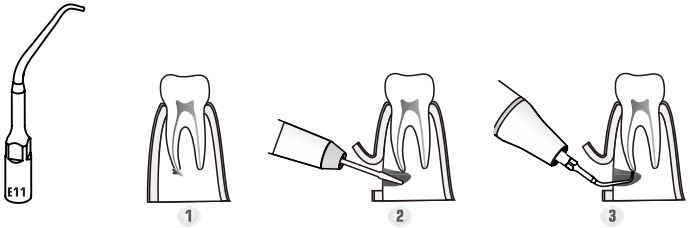


MODE: E



E11 (ED11/E11T/ED11T/ES11)

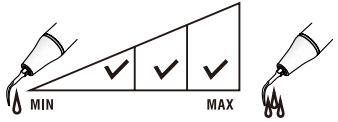
Used to polish the root canal in the retrograde preparation of root canals.
The length of tip slender part is (3.5 mm).



MODE: E



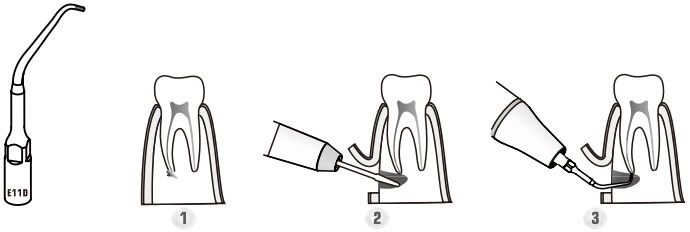
POWER



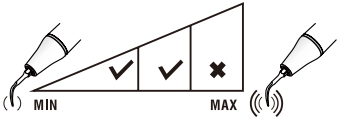
IRRIGATION

E11D (ED11D/E11DT/ED11DT/ES11D)

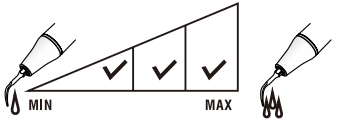
Diamond-coated (40 µm) instrument for high efficiency root planning in the retrograde preparation of root canals. The length of the diamond-coated on tip is (2.2 mm).



MODE: E



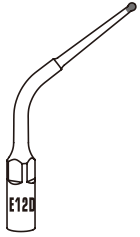
POWER



IRRIGATION

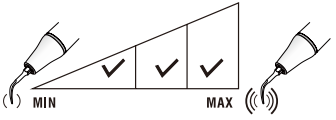
E12D (ED12D)

Diamond-coated (90 µm), used for removing the calcification and badfilling material of pulp cavity, exposing the root canal orifice.

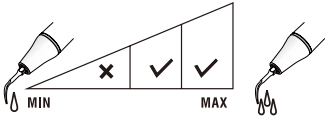




MODE: E



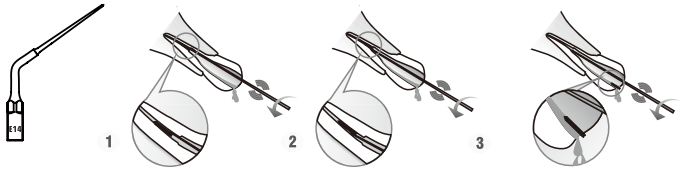
POWER



IRRIGATION

E14 (ED14/E14T/ED14T/ES14)

Instrument for the removal of broken files inside the root canal.
The length of tip slender part is 22 mm (ED14: 26 mm).
If possible, place the patient's head in a position where the root canal is horizontal with a downward inclination. Rotate the tip of the instrument counterclockwise around the broken part until it is picked out from the root canal.
To avoid push the broken file deeper into the root canal, do not use pressure to the instrument in the axial direction.



MODE: E



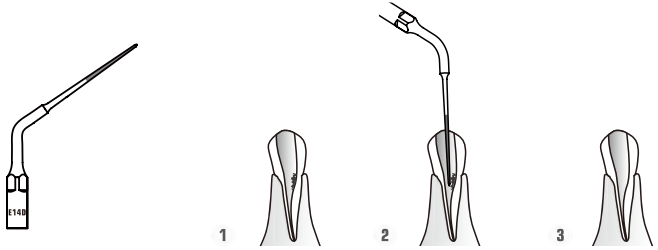
POWER



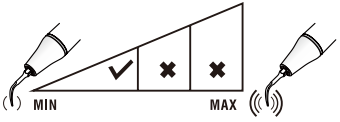
IRRIGATION

E14D (ED14D/E14DT)

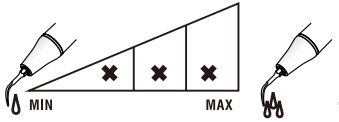
Diamond-coated (40 µm) instrument for removing the calcification andbad filling material in the root canal during the root canal retreatment.The length of the diamond-coated on tip is (15 mm).
With irrigation.



MODE: E



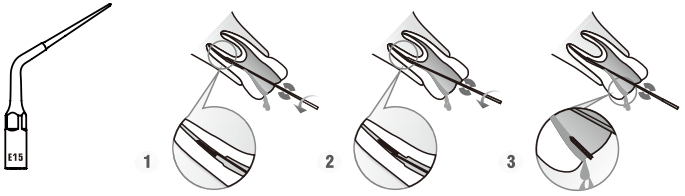
POWER



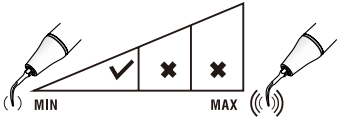
IRRIGATION

E15 (ED15/E15T/ED15T/ES15)

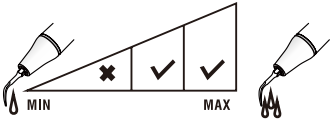
Instrument for the removal of broken files inside the root canal. The length of tip slender part is 16 mm (ED15: 15 mm).
If possible, place the patient's head in a position where the root canal is horizontal with a downward inclination. Rotate the tip of the instrument counterclockwise around the broken part until it is picked out from the root canal.
To avoid push the broken file deeper into the root canal, do not use pressure to the instrument in the axial direction.



MODE: E



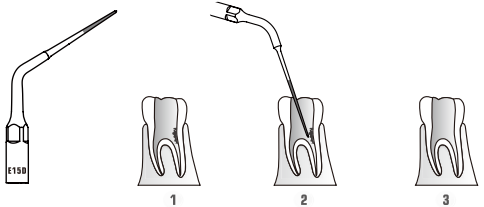
POWER



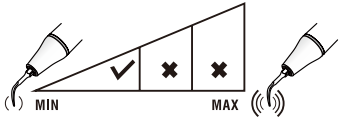
IRRIGATION

E15D(ED15D/E15DT)

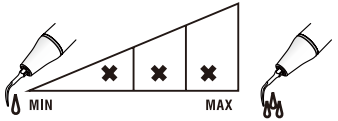
Diamond-coated (40 μm) instrument for removing the calcification and bad filling material in the root canal during the root canal retreatment. The length of the diamond-coated on tip is (10 mm). With irrigation.



MODE: E



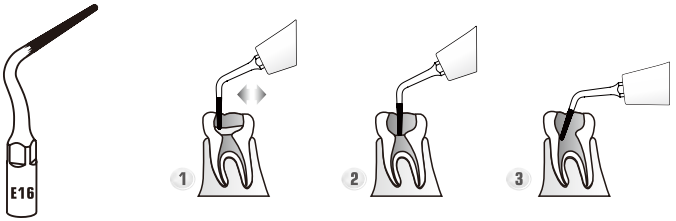
POWER



IRRIGATION

E16

Used for locating root canal, cleaning pulp chamber and enlarging root canal orifice. The tip end has 15 micro grooves for good cutting performance, but the smooth tip extremity surface can reduce the risk of perforation of the pulp chamber floor.
The front and back direction operation of the tip is more efficient.
When operating without water, follow the mode of “Work for 5~10 seconds and then stop for 2 seconds”. Open water every 60 seconds for cooling and rinsing.
Note: Due to the strong cutting performance of this tip, it is recommended to use it with root canal microscope in order to prevent the perforation of the pulp chamber floor.



MODE: E



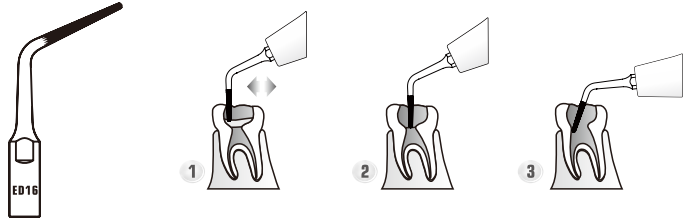
POWER



IRRIGATION

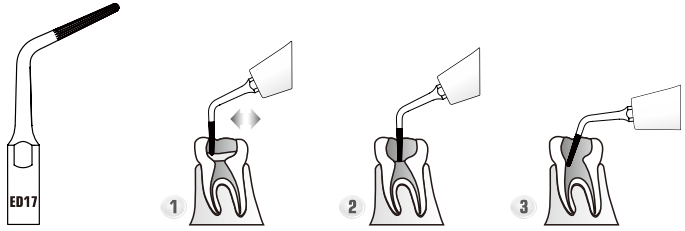
ED16

Used for locating root canal, cleaning pulp chamber and enlarging root canal orifice. The tip end has 15 micro grooves for good cutting performance, but the smooth tip extremity surface can reduce the risk of perforation of the pulp chamber floor.
The front and back direction operation of the tip is more efficient.
When operating without water, follow the mode of “Work for 5~10 seconds and then stop for 2 seconds”. Open water every 60 seconds for cooling and rinsing.
Note: Due to the strong cutting performance of this tip, it is recommended to use it with root canal microscope in order to prevent the perforation of the pulp chamber floor.

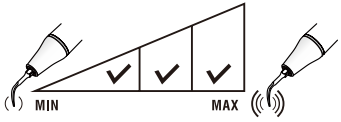


ED17(E17)

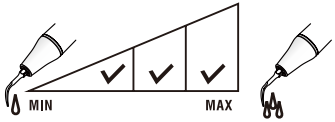
Function: Used for root canal detection, pulp chamber cleaning, and orifice opening. Features: The tip has 15 micro-washers, and it is of good cutting performance. Back and forth motion of tip brings more efficient operation.
In the case of waterless operation, select the mode of “Work for 5~10 seconds and then stop for 2 seconds”, and open water every 60 seconds for cooling and rinsing.
Note:
(1) Due to the strong cutting performance of the tip, in order to prevent the penetration of the medullary cavity, it is recommended to use with a root canal microscope.



MODE: E



POWER



IRRIGATION

MODE: E



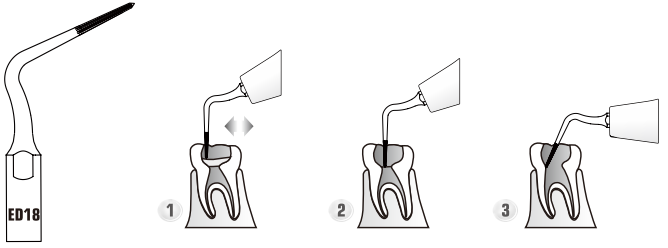
POWER



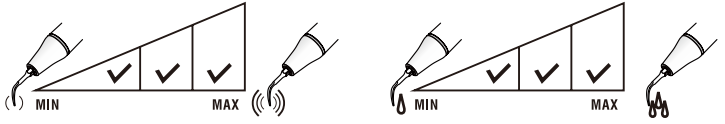
IRRIGATION

ED18 (E18)

Function: Used to determine the position of the root canal, remove the dentin, calcification and loose crown at the 1/3 crown of the root canal.
Features: The tip has 12 micro-washers, and it is of good cutting performance. Back and forth motion of tip brings more efficient operation.
In the case of waterless operation, select the mode of “Work for 5~10 seconds and then stop for 2 seconds”, and open water every 60 seconds for cooling and rinsing.
Note:
(1) Due to the strong cutting performance of the tip, in order to prevent the penetration of the medullary cavity, it is recommended to use with a root canal microscope.

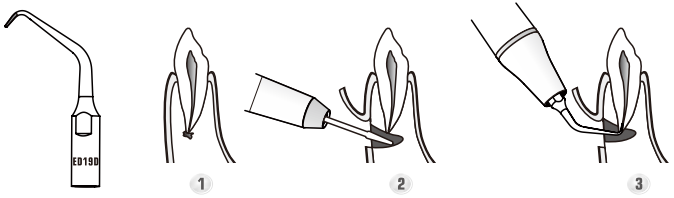


MODE: E

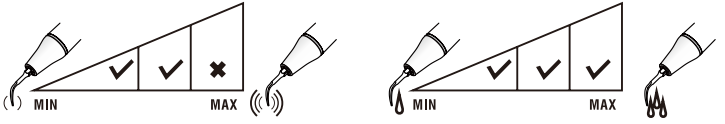


ED19D (E19D)

Used for efficient apex modification in retropreparation. 3 mm working length, diamond-coated tip with 30 μm grit size. Normally used for retropreparation of front teeth.
Use:
Used in E mode of D600; recommended power level: level 1~7;
Used in E mode of S6: recommended power level: level 1~10.

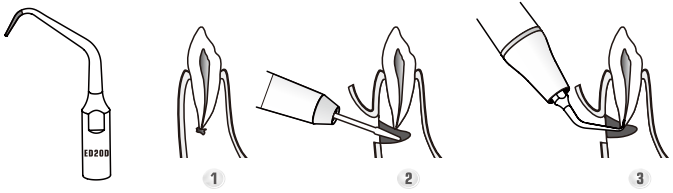


MODE: E



ED20D(E20D)

Used for efficient apex modification in retropreparation. 6 mm working length, diamond-coated tip with 30 μm grit size. Normally used for retropreparation of front teeth.
Use:
Used in E mode of D600; recommended power level: level 1~7;
Used in E mode of S6; recommended power level: level 1~10.

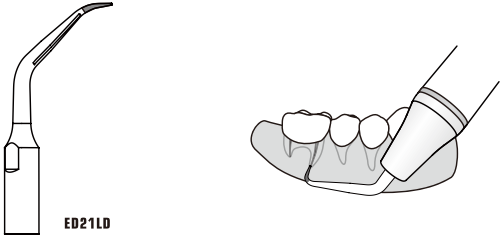


MODE: E

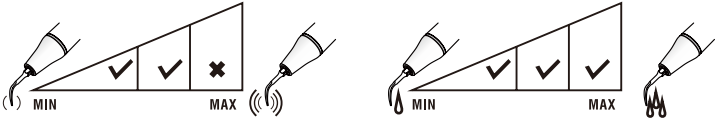


ED21LD(E21LD)

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 3 mm, and the diameter of sand is 30 μm. Bent to left. Used in premolars and molars.
Use:
Used in E mode of D600; recommended power level: level 1~6;
Used in E mode of S6; recommended power level: level 1~9.

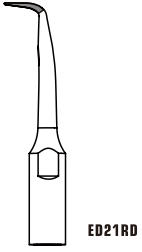


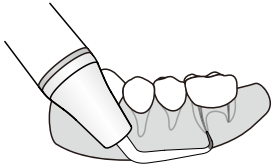
MODE: E



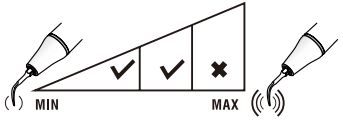
ED21RD (E21RD)

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 3 mm, and the diameter of sand is 30 μm. Bent to right. Used in premolars and molars.
Use:
Used in E mode of D600; recommended power level: level 1~7;
Used in E mode of S6; recommended power level: level 1~10.

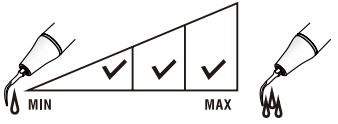




MODE: E



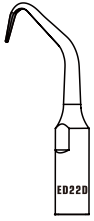
POWER



IRRIGATION

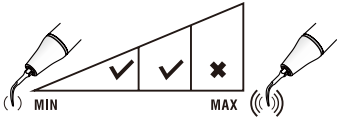
ED22D (E22D)

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 4 mm, and the diameter of sand is 30 μm. Used in molar teeth.
Use:
Used in E mode of D600; recommended power level: level 1~7;
Used in E mode of S6; recommended power level: level 1~10.

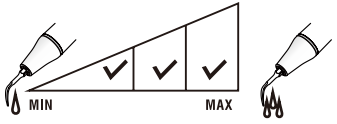




MODE: E



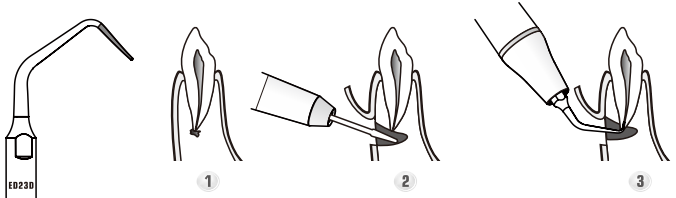
POWER



IRRIGATION

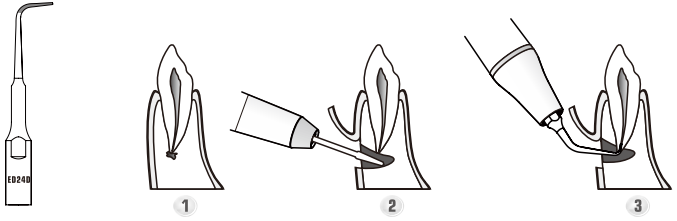
ED23D(E23D)

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 9 mm, and the diameter of sand is 30 μm. Mainly used in front teeth. Used for complicated case, and it can prepared to 9 mm in retropreparation operation.
Use:
Used in E mode of D600; recommended power level: level 1~7;
Used in E mode of S6; recommended power level: level 1~10.

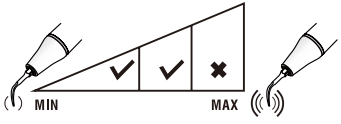


ED24D(E24D)

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 5 mm, and the diameter of sand is 30 μm. Mainly used in front teeth.
Use:
Used in E mode of D600; recommended power level: level 1~7;
Used in E mode of S6; recommended power level: level 1~10.



MODE: E

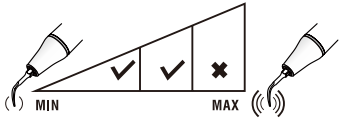


POWER

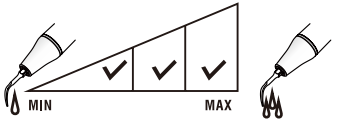


IRRIGATION

MODE: E



POWER



IRRIGATION

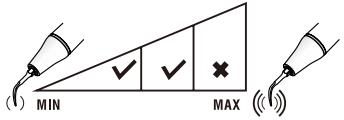
ED25LD (E25LD)

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 5 mm, and the diameter of sand is 30 μm. Bent to left. Used in premolars and molars.
Use:
Used in E mode of D600; recommended power level: level 1~7;
Used in E mode of S6; recommended power level: level1~10.

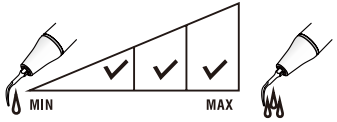




MODE: E



POWER

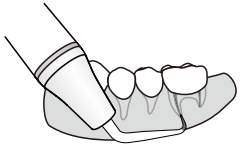


IRRIGATION

ED25RD (E25RD)

Used for efficient apex modification in retropreparation. The length of diamond-coated part is 5 mm, and the diameter of sand is 30 μm. Bent to right. Used in premolars and molars.
Use:
Used in E mode of D600; recommended power level: level1~7;
Used in E mode of S6; recommended power level: level 1~10.

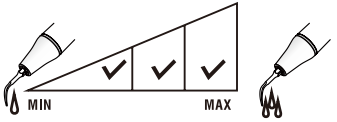




MODE: E



POWER



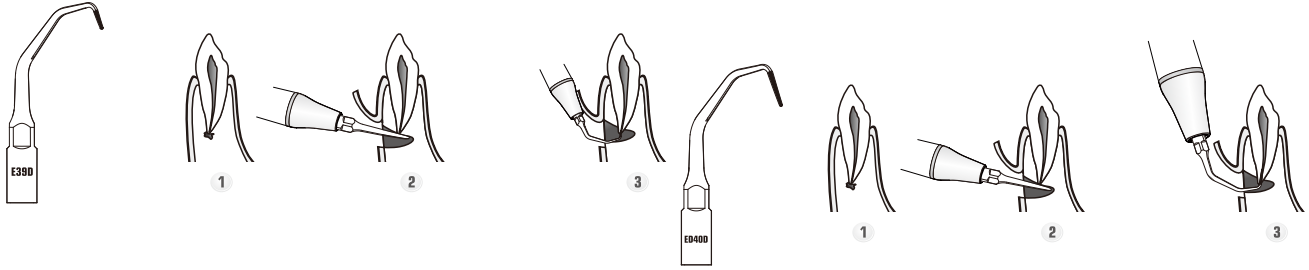
IRRIGATION

E39D (ED39D)

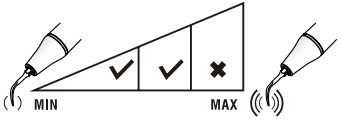
Designed for retro-preparation during apical surgery, enabling efficient apical refinement.
3 mm working length; 30 µm diamond grit size.
Standard ultrasonic tip for apical microsurgery; primarily used for lingually/palatally oriented root canals.

E40D (ED40D)

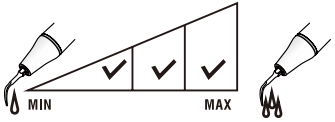
Designed for retro-preparation during apical surgery, enabling efficient apical refinement.
6 mm working length; 30 µm diamond grit size.
Standard ultrasonic tip for apical microsurgery; primarily used for lingually/palatally oriented root canals.



MODE: E

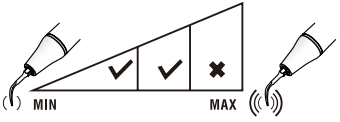


POWER



IRRIGATION

MODE: E



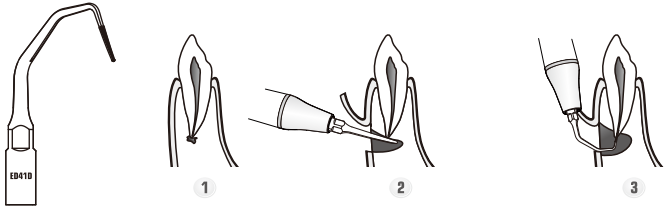
POWER



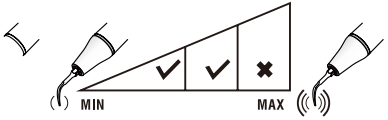
IRRIGATION

E41D (ED41D)

Designed for retro-preparation during apical surgery, enabling efficient apical refinement.
9 mm working length; 30 µm diamond grit size.
Standard ultrasonic tip for apical microsurgery; primarily used for lingually/palatally oriented root canals.



MODE: E



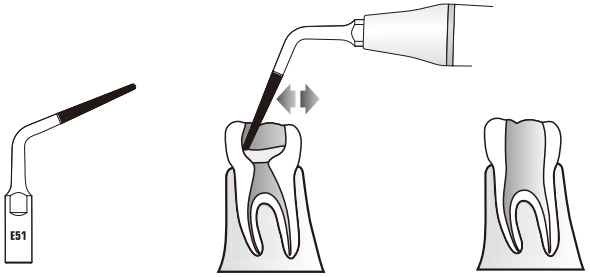
POWER



IRRIGATION

E51 (ED51)

Used to finish the access cavity walls.
Recommended service life: 50 teeth.
Recommended power: medium gear power.



MODE: E



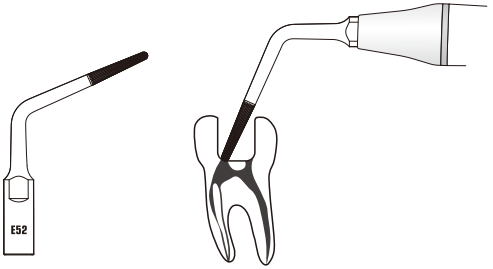
POWER



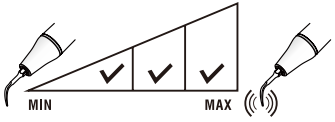
IRRIGATION

E52 (ED52)

Designed for the MB2 canal scouting.
Recommended service life: 50 teeth.
Recommended power: medium gear power.



MODE: E



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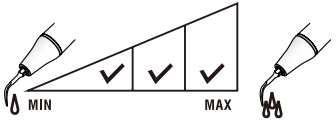
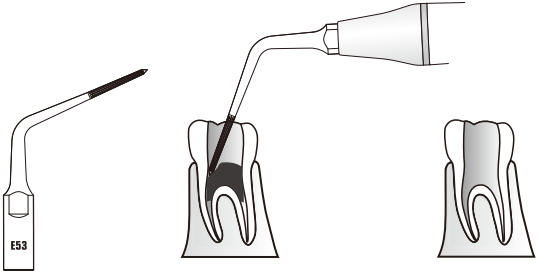


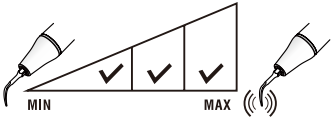
IRRIGATION

E53 (ED53)

Designed for the calcified canal scouting and for the fiber posts removal.
Recommended service life: 50 teeth.
Recommended power: medium gear power.



MODE: E



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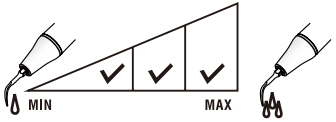
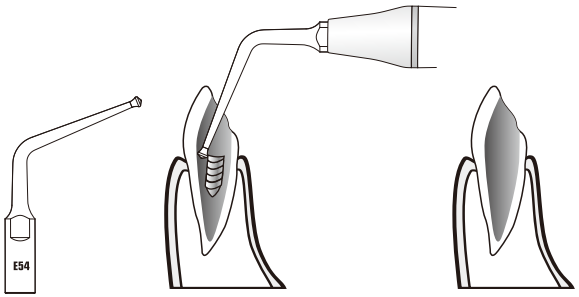


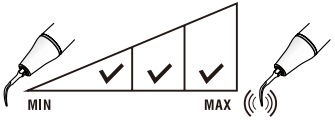
IRRIGATION

E54 (ED54)

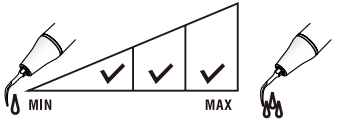
Designed for the removal of metal posts.
Recommended service life: 50 times.
Recommended power: medium gear power.



MODE: E



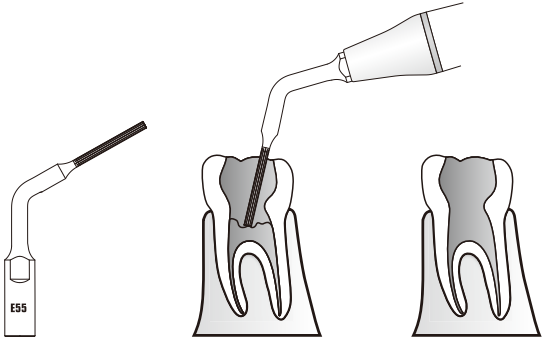
POWER



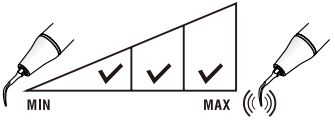
IRRIGATION

E55 (ED55)

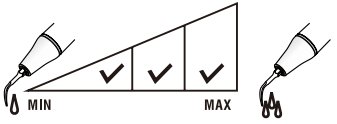
Designed for finishing the pulp chamber floor of upper and lower molars.
Recommended service life: 50 teeth.
Recommended power: medium gear power.



MODE: E



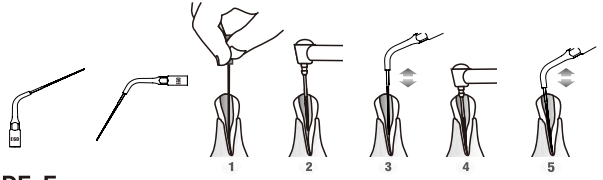
POWER



IRRIGATION

E60 (ED60)

Features: Minimally invasive irrigation; the working part is spiral but not sharp, with basically no cutting ability, effectively avoiding the root canal shape from being destroyed, bringing efficient and safe operation.
Irrigation operation: Put the irrigating tip into the root canal, try to keep the tip unstressed, start the device for 20 seconds and then stop to clean the root canal. Generally, a root canal needs to be irrigated 3×20 seconds.
Recommended service life: 30 ~ 50 root canals.
Note:
(1) In order to ensure the service life of the tip, it is recommended to use it according to the recommended method: first perform the external debugging, start the foot pedal under power level 1, ensure thewater output is normal, and adjust the power within the power level limit (level 1 ~ 6) according to individual need to ensure that the water output can reach the tip end (the water can reach the tip end through adjusting water volume). After all the above steps, start root canal irrigation.
(2) During irrigation, in order to avoid instrument fracture, please preventtip from getting stuck and vibrating in root canal.



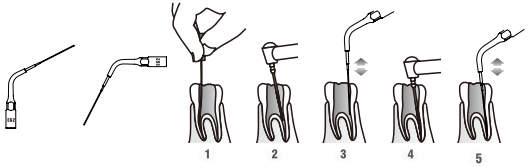
MODE: E



POWER **IRRIGATION**

E62(ED62)

Function: Used for irrigation of root canal after root canal preparation.
Dimensions: Ø 0.3 mm; taper 0%. Working part length: 16mm
Features: Minimally invasive irrigation; the surface of working part is smooth, with cutting ability, effectively avoiding the root canal shape from being destroyed, bringing safer operation.
Irrigating operation: Put the irrigating tip into the root canal, try to keep the needle unstressed, start the device for 20 seconds and then stop to clean the root canal. Generally, a root canal needs to be irrigated 3×20 seconds. Recommended service life: 30 ~ 50 root canals
Note: (1) In order to ensure the service life of the tip, it is recommended to use it according to the recommended method: first perform the external debugging, start the foot pedal under power level 1, ensure the water output is normal, and adjust the power within the power level limit (level 1~3) according to individual need to ensure that the water output can reach the tip end (the water can reach the tip end through adjusting water volume). After all the above steps, start root canal irrigation.
(2) During irrigation, in order to avoid instrument fracture, please prevent tip from getting stuck and vibrating in root canal.



MODE: E

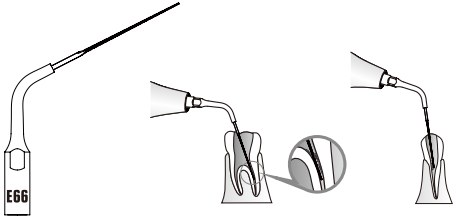


POWER **IRRIGATION**

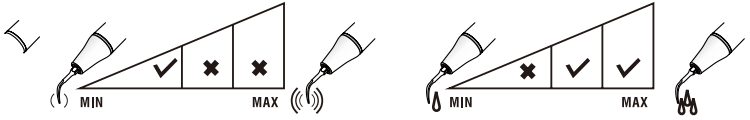
E66(ED66)

Function: Used for irrigation of root canal after root canal preparation, so as to rinse out the debris. Dimensions: Diameter of file tip: Ø 0.15 mm; taper 2%; length of thread working part: 16 mm

Features: The working part has a sharp K-shaped spiral shape, which has strong cutting ability. It can effectively clean out the debris in root canal by using it under low power. Recommended service life: 30~50 root canals Note: (1) In order to ensure the service life of the tip, it is recommended to use it according to the recommended method: first perform the external debugging, start the foot pedal under power level 1, ensure the water output is normal, and adjust the power (level 1~3) according to individual need to ensure that the water output can reach the tip end (the water can reach the tip end through adjusting water volume). After all the above steps, start root canal irrigation. (2) During irrigation, in order to avoid instrument fracture, please prevent tip from getting stuck and vibrating in root canal. (3) The top edge of ED66 tip is sharp. Please pay special attention to the operation at high power during the irrigation. Otherwise it will cause non-therapeutic damage to the root canal wall.



MODE: E



POWER **IRRIGATION**

E70(ED70/EK70)

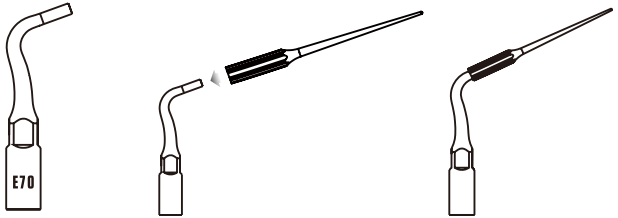
Endochuck, used to install E71, E72, E73 or E74 for root canal cleaning or irrigation. Power level 1-3 in E mode of Ultrasonic Scaler. Used for root canal irrigation after the root canal preparation.

The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely.

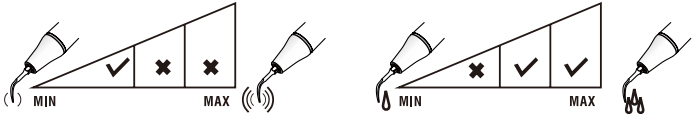
Ø 0.15 mm

Put the irrigation tip into the root canal (make sure that there is solution in the root canal as much as possible), start the machine, and lift the tip up and down in a small range for irrigation (ensure that the tip end be located below the root canal orifice). After 20 seconds, stop for root canal cleaning.

Generally, a root canal needs to be irrigated for 3 times, 20 seconds each time. One tip can be used for the treatment of maximum 6 root canals.



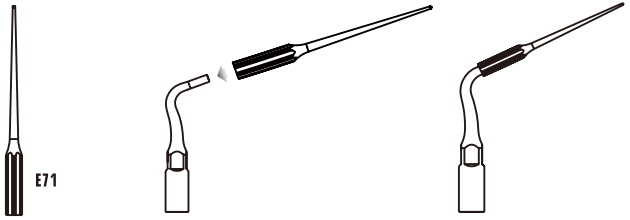
MODE: E



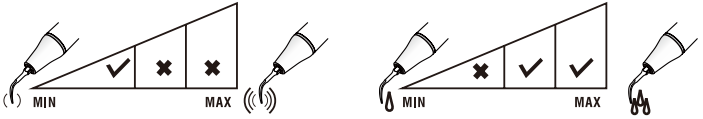
POWER **IRRIGATION**

E71

Used for root canal irrigation after the root canal preparation. Autoclavable. The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely.Power level 1-3 in E mode of Ultrasonic Scaler.
Put the irrigation tip into the root canal (make sure that there is solution in the root canal as much as possible), start the machine, and lift the tip up and down in a small range for irrigation (ensure that the tip end be located below the root canal orifice). After 20 seconds, stop for root canal cleaning. Generally, a root canal needs to be irrigated for 3 times, 20 seconds each time. One tip can be used for the treatment of maximum 6 root canals.

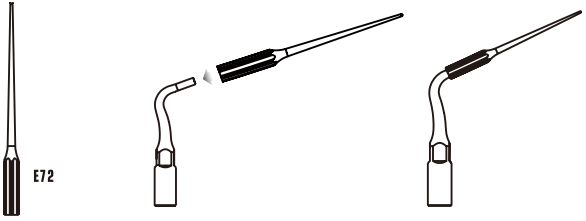


MODE: E



E72

Used for root canal irrigation after the root canal preparation. Autoclavable. The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely.Power level 1-3 in E mode of Ultrasonic Scaler.
Put the irrigation tip into the root canal (make sure that there is solution in the root canal as much as possible), start the machine, and lift the tip up and down in a small range for irrigation (ensure that the tip end be located below the root canal orifice). After 20 seconds, stop for root canal cleaning. Generally, a root canal needs to be irrigated for 3 times, 20 seconds each time. One tip can be used for the treatment of maximum 6 root canals.

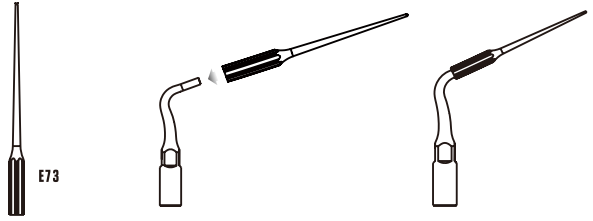


MODE: E

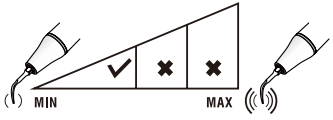


E73

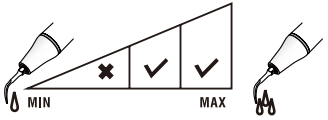
Used for root canal irrigation after the root canal preparation. Autoclavable. The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely.Power level 1-3 in E mode of Ultrasonic Scaler.



MODE: E



POWER

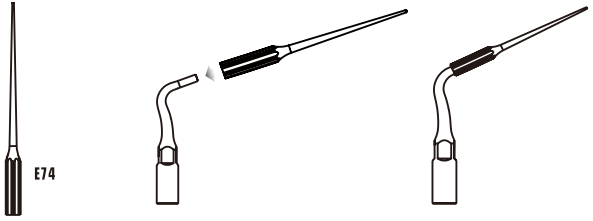


IRRIGATION

E74

Used for root canal irrigation after the root canal preparation. Autoclavable. The working part is made of polymer material with no cutting ability, which effectively prevents the root canal morphology from being damaged. At the same time, the problem of instrument separation can be solved effectively and safely.Power level 1-3 in E mode of Ultrasonic Scaler.

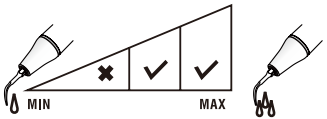
Put the irrigation tip into the root canal (make sure that there is solution in the root canal as much as possible), start the machine, and lift the tip up and down in a small range for irrigation (ensure that the tip end be located below the root canal orifice). After 20 seconds, stop for root canal cleaning. Generally, a root canal needs to be irrigated for 3 times, 20 seconds each time. One tip can be used for the treatment of maximum 6 root canals.



MODE: E



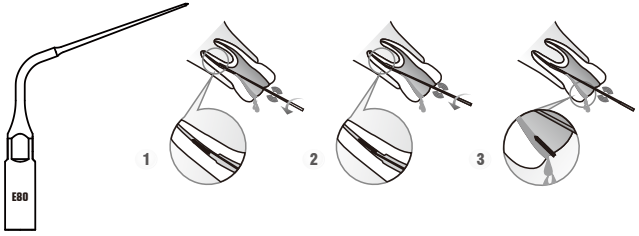
POWER



IRRIGATION

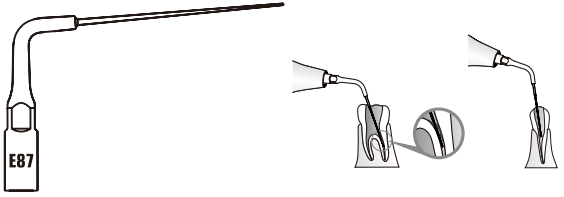
E80

Instrument for the removal of broken files inside the root canal.



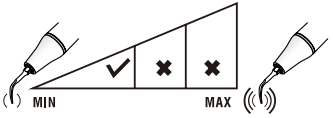
E87 (ED87)

(Jointly Developed with Dr. Yoshi Terauchi)
Tip for broken file removal. Φ 0.1 mm tip head, extremely thin and conical, used to remove dentin around the broken file.



(Only suitable for Ultrasonic Endo Activator)

MODE: E



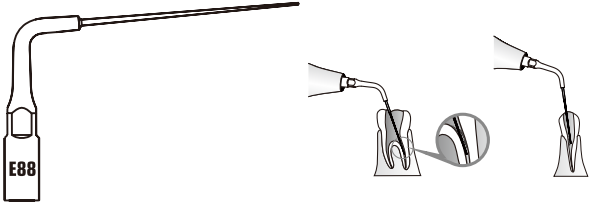
POWER



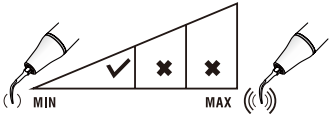
IRRIGATION

E88 (ED88)

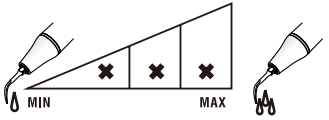
(Jointly Developed with Dr. Yoshi Terauchi)
Tip for broken file removal. 0.1 mm thickness tip head, extremelythin sword shaped, left and right directed, used to remove dentin around the broken file.



MODE: E



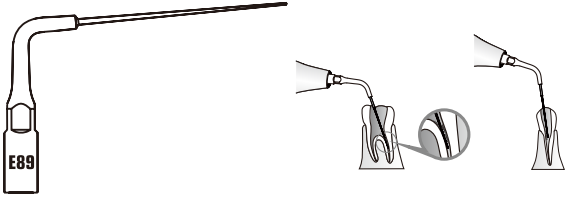
POWER



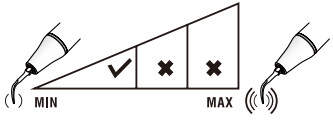
IRRIGATION

E89 (ED89)

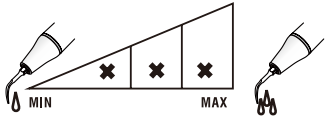
(Jointly Developed with Dr. Yoshi Terauchi)
Tip for broken file removal. 0.1 mm thickness tip head, extremelythin sword shaped, left and right directed, used to remove dentin around the broken file.



MODE: E



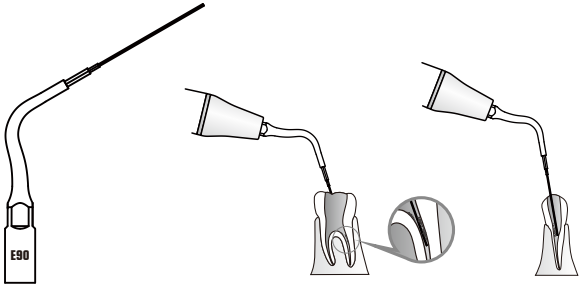
POWER



IRRIGATION

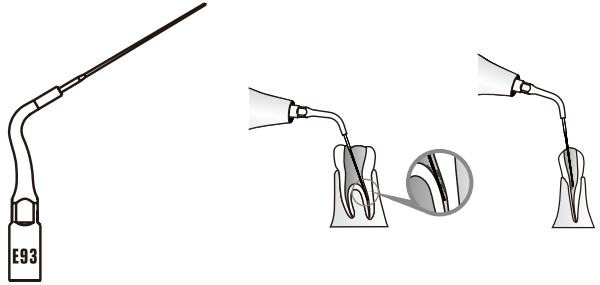
E90 (ED90)

Function: Used for root canal irrigation after the root canal preparation.
Dimensions: Smooth tip, 30#, taper 0%, tip end length 21.5 mm.
Material: Stainless steel



E93 (ED93)

Function: Used for root canal irrigation after the root canal preparation.
Dimensions: Smooth tip, 20#, taper 1%, tip end length 21.5 mm.
Material: Ni-Ti



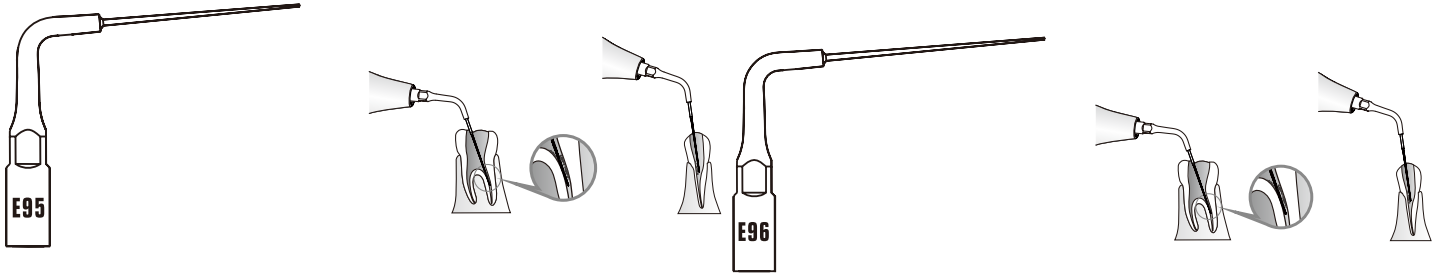
(Only suitable for Ultrasonic Endo Activator)

E95 (ED95)

Function: Used for root canal irrigation after the root canal preparation.
Dimensions: Smooth tip, 20#, taper 2%, tip end length 18 mm.
Material: Stainless steel

E96

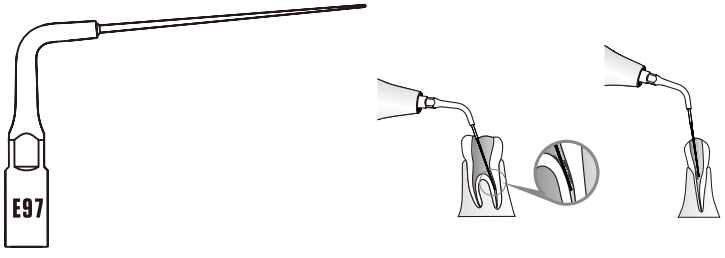
Function: Used for root canal irrigation after the root canal preparation.
Dimensions: Smooth tip, 20#, taper 2%, tip end length 21 mm.
Material: Stainless steel



(Only suitable for Ultrasonic Endo Activator)

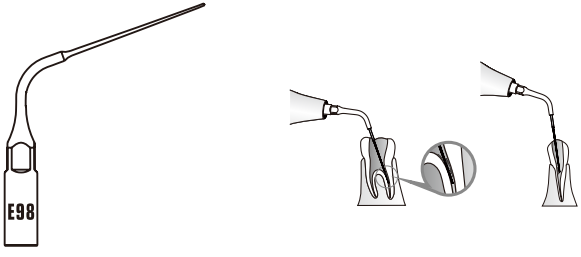
E97

Function: Used for root canal irrigation after the root canal preparation.
Dimensions: Smooth tip, 20#, taper 2%, tip end length 25 mm.
Material: Stainless steel



E98

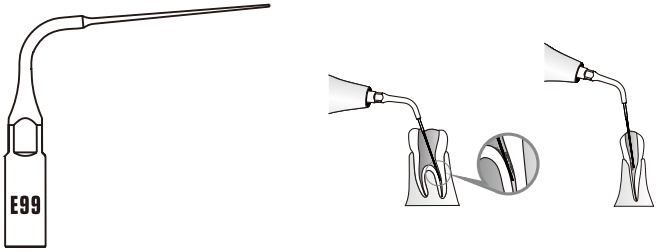
Function: Used for root canal irrigation after the root canal preparation.
Dimensions: Smooth tip, 25#, taper 2%, tip end length 18 mm.
Material: Ni-Ti



(Only suitable for Ultrasonic Endo Activator)

E99

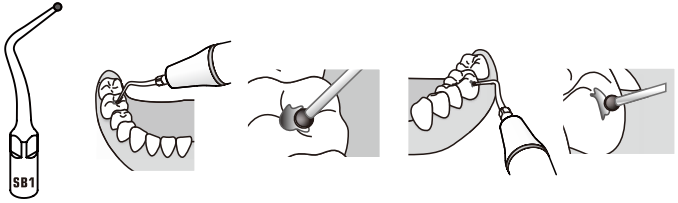
Function: Used for root canal irrigation after the root canal preparation.
Dimensions: Smooth tip, 25#, taper 2%, tip end length 18 mm.
Material: Ni-Ti



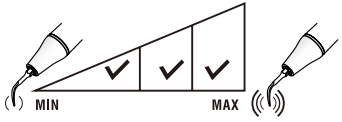
(Only suitable for Ultrasonic Endo Activator)

SB1 (SBD1)

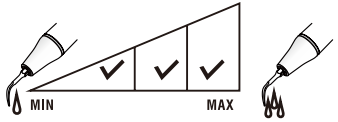
Diamond-coated (85 μm) instrument for removing the caries on oeclusal surface of teeth and dental neck.
Place the instrument on the pit and move slowly into it with light pressure.



MODE: P



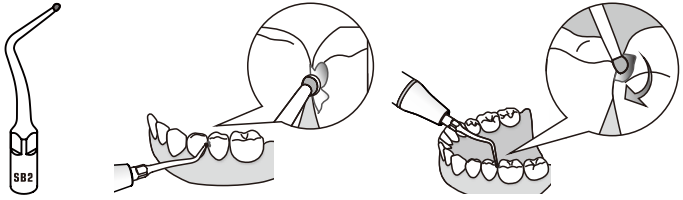
POWER



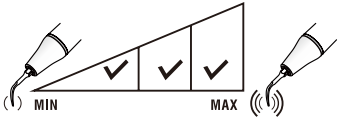
IRRIGATION

SB2 (SBD2)

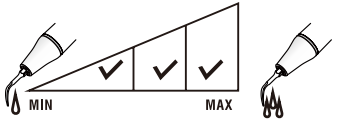
Diamond-coated (85 μm) instrument for removing the caries on Mesial surface of the adjacent teeth.



MODE: P



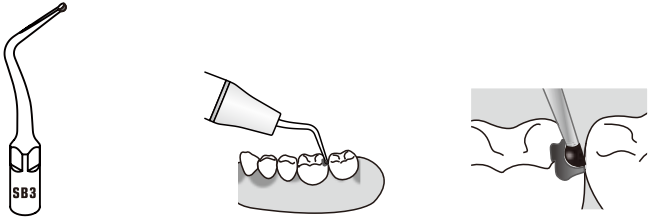
POWER



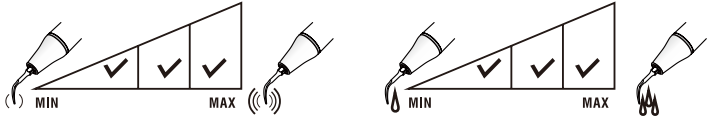
IRRIGATION

SB3 (SBD3)

Diamond-coated (85 μm) instrument for removing the caries on Mesial surface of the adjacent teeth.

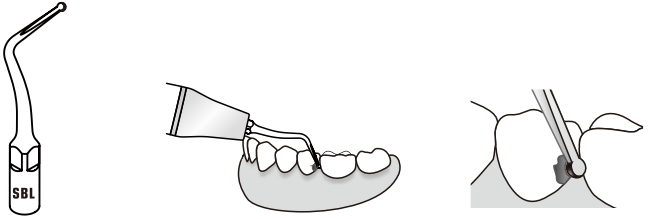


MODE: P

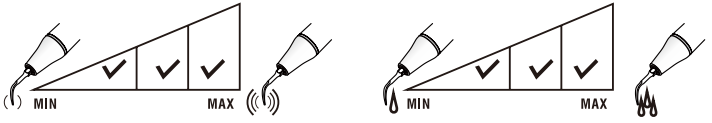


SBL (SBDL)

Diamond-coated (85 μm) instrument for removing the dental caries, it will not hurt the adjacent teeth from right to left 45 degree.

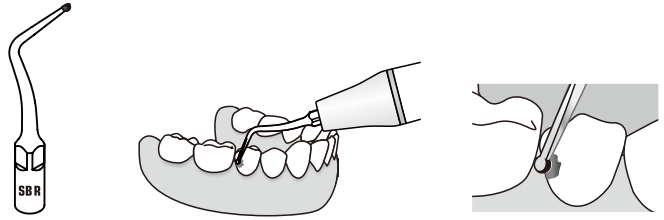


MODE: P

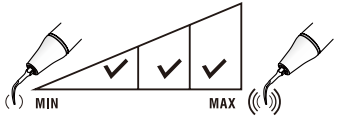


SBR (SBDR)

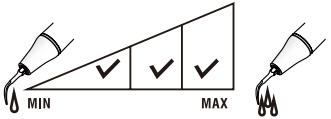
Diamond-coated (85 μm) instrument for removing the dental caries, it will not hurt the adjacent teeth from left to right 45 degree.



MODE: P



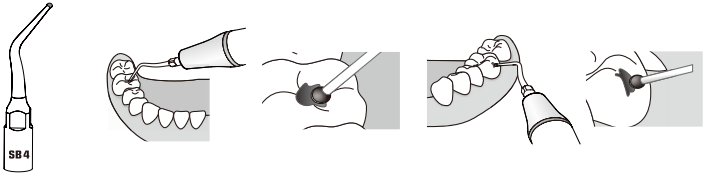
POWER



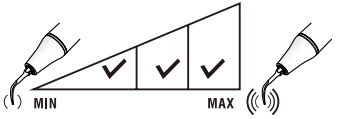
IRRIGATION

SB4 (SBD4)

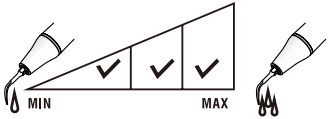
Used to remove dental caries at upper and lower occlusal surfaces and neck of teeth.



MODE: P



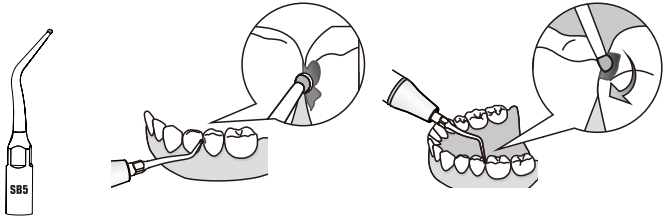
POWER



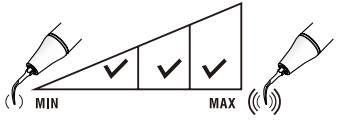
IRRIGATION

SB5 (SBD5)

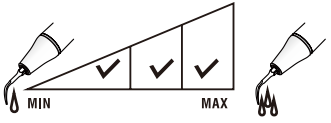
Used to remove the mesial surface caries of adjacent teeth. Diamond-coated tip head (90 μm) (except internal part); the adjacent teeth will not be hurt during mesial cavity preparation.



MODE: P



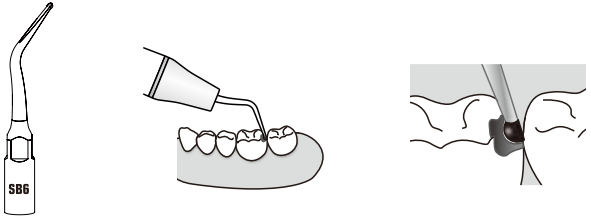
POWER



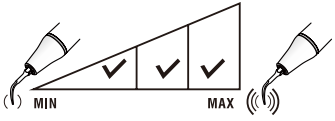
IRRIGATION

SB6 (SBD6)

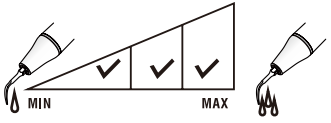
Used to remove the mesial surface caries of adjacent teeth. Diamond-coated tip head (90 μm) (except external part); the adjacent teeth will not be hurt during mesial cavity preparation.



MODE: P



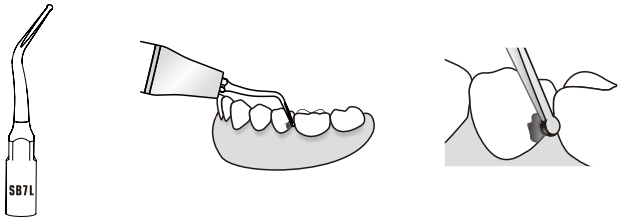
POWER



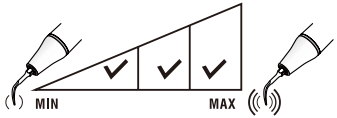
IRRIGATION

SB7L(SBD7L)

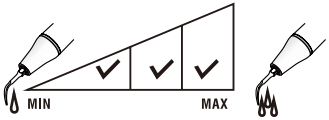
Used to remove the proximal surface caries. Diamond-coated (90 µm) tip with round head. The adjacent teeth will not be hurt while accessing the caries part in 45° from left side.



MODE: P



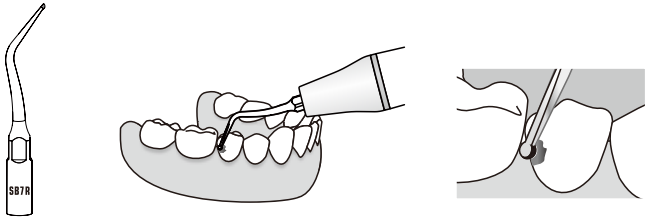
POWER



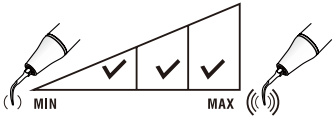
IRRIGATION

SB7R(SBD7R)

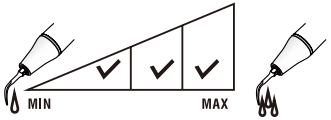
Used to remove the proximal surface caries. Diamond-coated (90 µm) tip with round head. The adjacent teeth will not be hurt while accessing the caries part in 45° from right side.



MODE: P



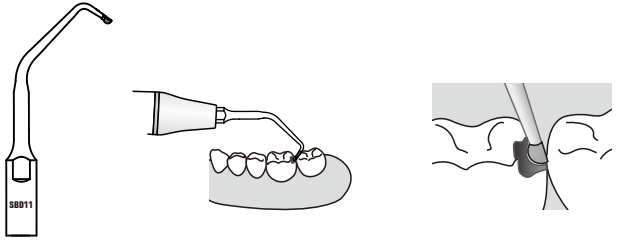
POWER



IRRIGATION

SBD11

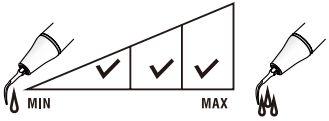
Used to remove the mesial surface caries of adjacent teeth. Diamond-coated tip head (90 μm) (except external part); the adjacent teeth will not be hurt during mesial cavity preparation.



MODE: P



POWER



IRRIGATION





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