

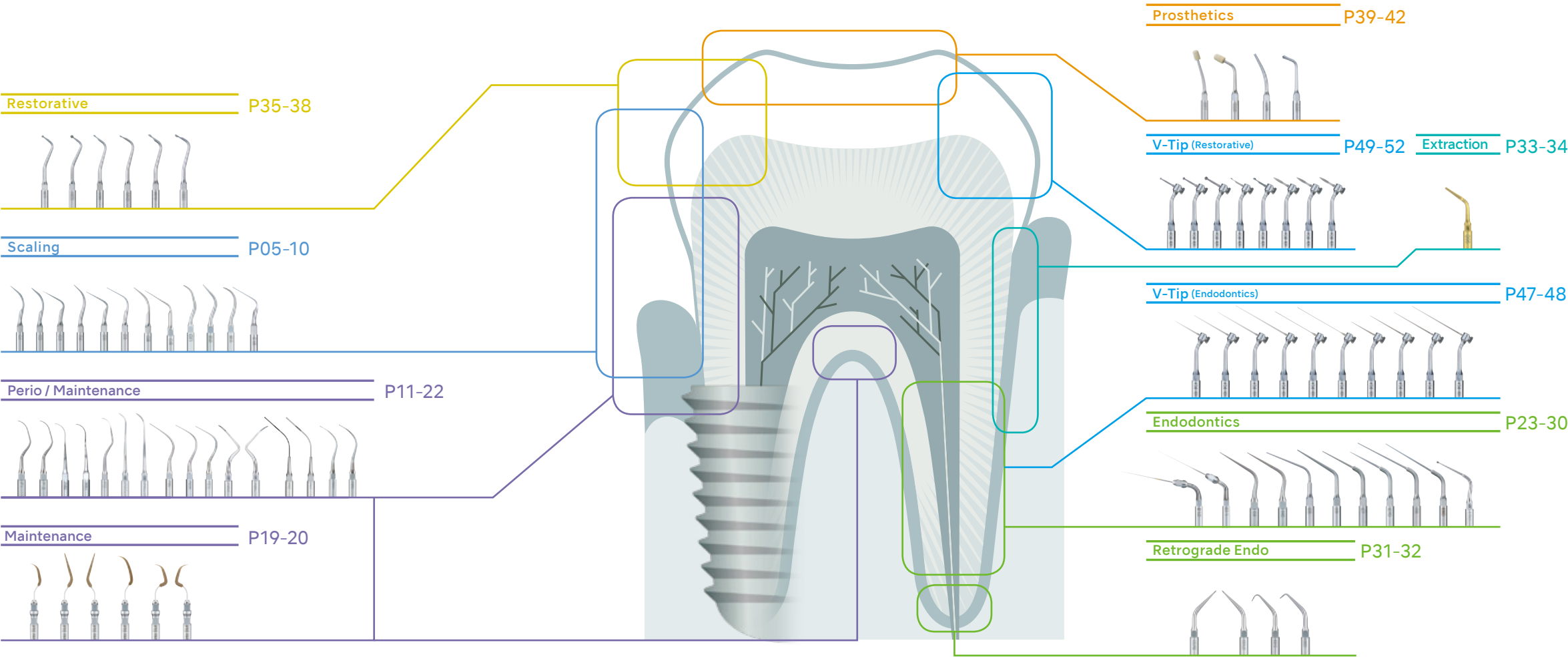
Create it 

TIP GUIDE

ULTRASONIC SCALER

**NSK**

NSK Offers  
A Wide Range of  
VARIOS Ultrasonic Scaler Tips  
For Clinical Applications.



# Varios2 / Varios tips

NSK tips fit Varios and Varios2 ultrasonic scaler handpieces as well as Satelec® ultrasonic scaler handpieces. NSK make a number of tips which will fit on EMS® ultrasonic scaler handpieces. The following is a guide to illustrate all NSK Varios tips, their applications and connectivity.

NSK scaler tips



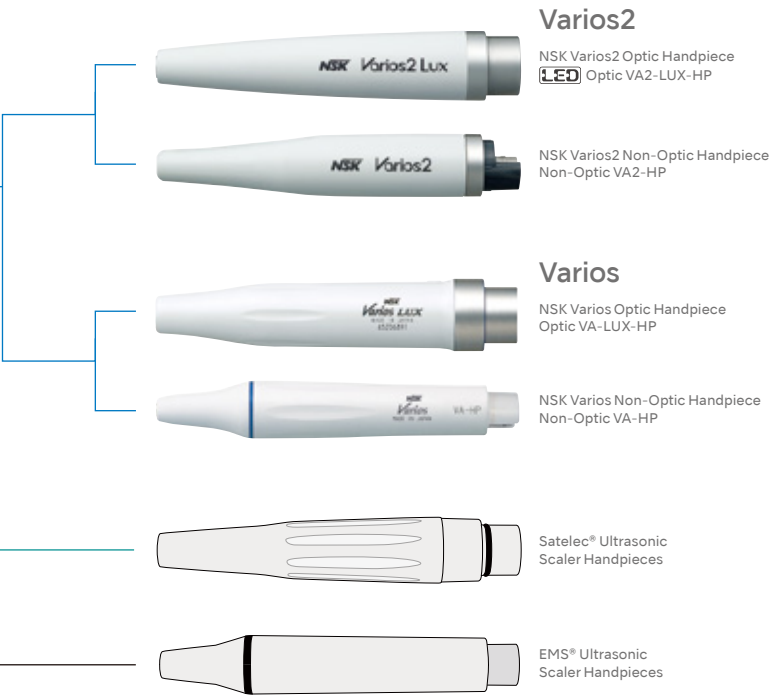
NSK V-Tip System

Tips marked with the **NSK** and **Satelec®** icon can be directly attached to both NSK Varios and Satelec® ultrasonic scaler handpieces.

NSK scaler tips



Tips marked with the **EMS®** icon can be directly attached to EMS® ultrasonic scaler handpieces.

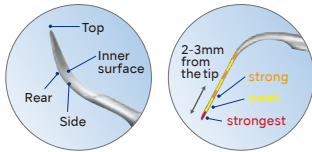


## The key points for correct usage of the ultrasonic scaler

Calculus is removed efficiently by ultrasonic vibrations and the cavitation effect of the NSK ultrasonic scaler, in addition to the elimination and destruction of bacterial biofilms. Here are the “four points” for maximizing the effects:

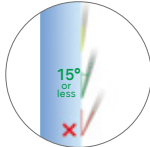
### POINT 1 Correct application of the tip to a tooth

NSK ultrasonic scaler series is Piezo type, with a tip that has a linear, reciprocating motion. The tip generates varying amounts of power according to the part of the tip that is applied to the tooth. The impact on the tooth surface and the results will vary depending on which part of the tip is applied to the tooth. Typically, applying the side of the tip 2~3 mm from the end can be most effective.



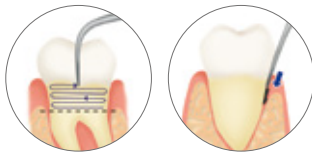
### POINT 2 The angle of the tip

By positioning the tip at an angle of 15 degrees or less against the tooth surface, the side of the tip can be applied 2~3 mm from the end. The greater the angle of the tip against the tooth surface, the greater the impact on the tooth becomes since the end of the tip (which is the most powerful part of the tip) is applied to the tooth. This could result in sensitivity on the tooth and brings discomfort for the patient.



### POINT 3 Application and the motion of the tip

The force applied by the tip to the tooth should be feather-light. Using fine motions while keeping the end of the tip on the tooth surface makes the most of the ultrasonic vibrations. When removing large hard calculus, the end of the tip should be applied as this has sufficient power to “crack the calculus” by attacking where the calculus is attached to the tooth surface. “Applying more force than is necessary” or “Applying force only to one spot on the tooth surface” may scratch the tooth surface, and subsequently cause pain to the patient. Doing so also means that you are not taking full advantage of the ultrasonic vibration.



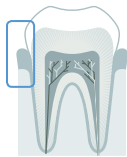
### POINT 4 Power setting

Power Setting adjustment is dependant on the condition of the oral cavity. We recommend restricting power use at the start of the procedure, gradually increasing it from low to meet the situation in the oral cavity.



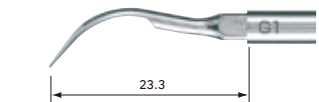
SCALING

# SCALING



## MODEL **G1**

- Removal of supra gingival calculus.
- Removal of calculus, narrow interdental space.
- Removal of marginal gingival calculus.



NSK Satelec®

MODEL **G1**

ORDER CODE **Z217101**

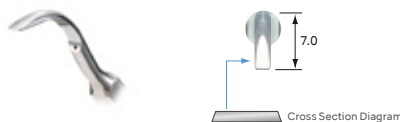
EMS®

MODEL **G1-E**ORDER CODE **Z291101**

Single rooted / Multi rooted

## MODEL **G2**

- Removal of supra gingival calculus.



NSK Satelec®

MODEL **G2**

ORDER CODE **Z217102**

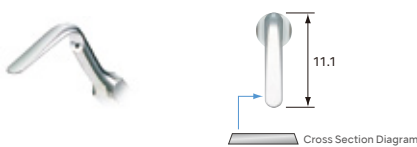
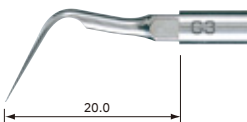
EMS®

MODEL **G2-E**ORDER CODE **Z291102**

Single rooted / Multi rooted

## MODEL **G3**

- Removal of supra gingival calculus.



NSK Satelec®

MODEL **G3**

ORDER CODE **Z217103**

EMS®

MODEL **G3-E**ORDER CODE **Z291103**

Single rooted / Multi rooted

## MODEL **G4**

- Removal of supra gingival calculus.
- Removal of marginal gingival calculus.



NSK Satelec®

MODEL **G4**

ORDER CODE **Z217104**

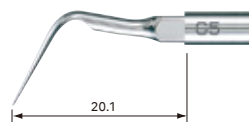
EMS®

MODEL **G4-E**ORDER CODE **Z291104**

Single rooted / Multi rooted

## MODEL **G5**

- Removal of supra gingival calculus.
- Removal of calculus, narrow interdental space.
- Removal of marginal gingival calculus.
- Removal of subgingival biofilm.



NSK Satelec®

MODEL **G5**

ORDER CODE **Z217105**



Single rooted / Multi rooted

## MODEL **G6**

- Removal of supra gingival calculus.
- Removal of calculus, narrow interdental space.
- Removal of marginal gingival calculus.
- Removal of subgingival biofilm.



NSK Satelec®

MODEL **G6**

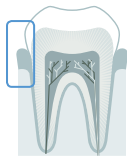
ORDER CODE **Z217106**

EMS®

MODEL **G6-E**ORDER CODE **Z291106**

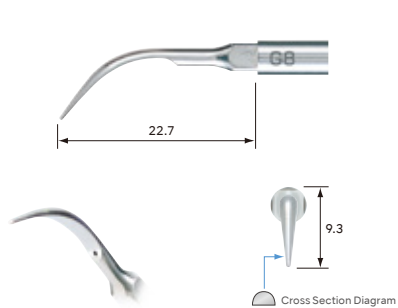
Single rooted / Multi rooted

# SCALING



## MODEL **G8**

- Removal of supra gingival calculus.
- Removal of calculus, narrow interdental space.
- Removal of marginal gingival calculus.



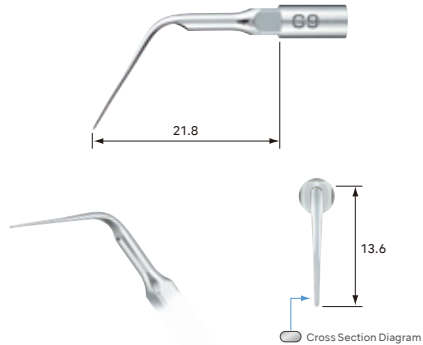
NSK | Satelec® MODEL **G8** ORDER CODE **Z217108**



Single rooted / Multi rooted

## MODEL **G9**

- Removal of supra gingival calculus.
- Removal of calculus, narrow interdental space.
- Removal of marginal gingival calculus.
- Removal of subgingival biofilm.



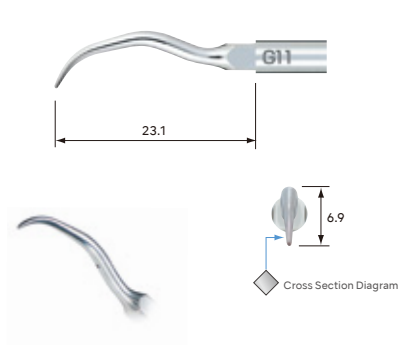
NSK | Satelec® MODEL **G9** ORDER CODE **Z217109**



Single rooted / Multi rooted

## MODEL **G11**

- Removal of supra gingival calculus.



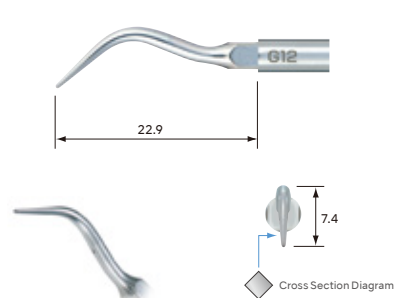
NSK | Satelec® MODEL **G11** ORDER CODE **Z217411**



Single rooted / Multi rooted

## MODEL **G12**

- Removal of supra gingival calculus.



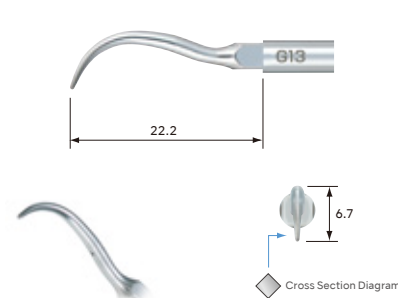
NSK | Satelec® MODEL **G12** ORDER CODE **Z217412**



Single rooted / Multi rooted

## MODEL **G13**

- Removal of supra gingival calculus.



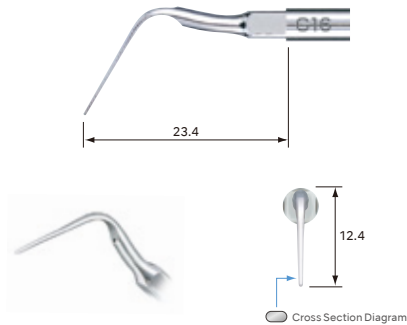
NSK | Satelec® MODEL **G13** ORDER CODE **Z217413**



Single rooted / Multi rooted

## MODEL **G16**

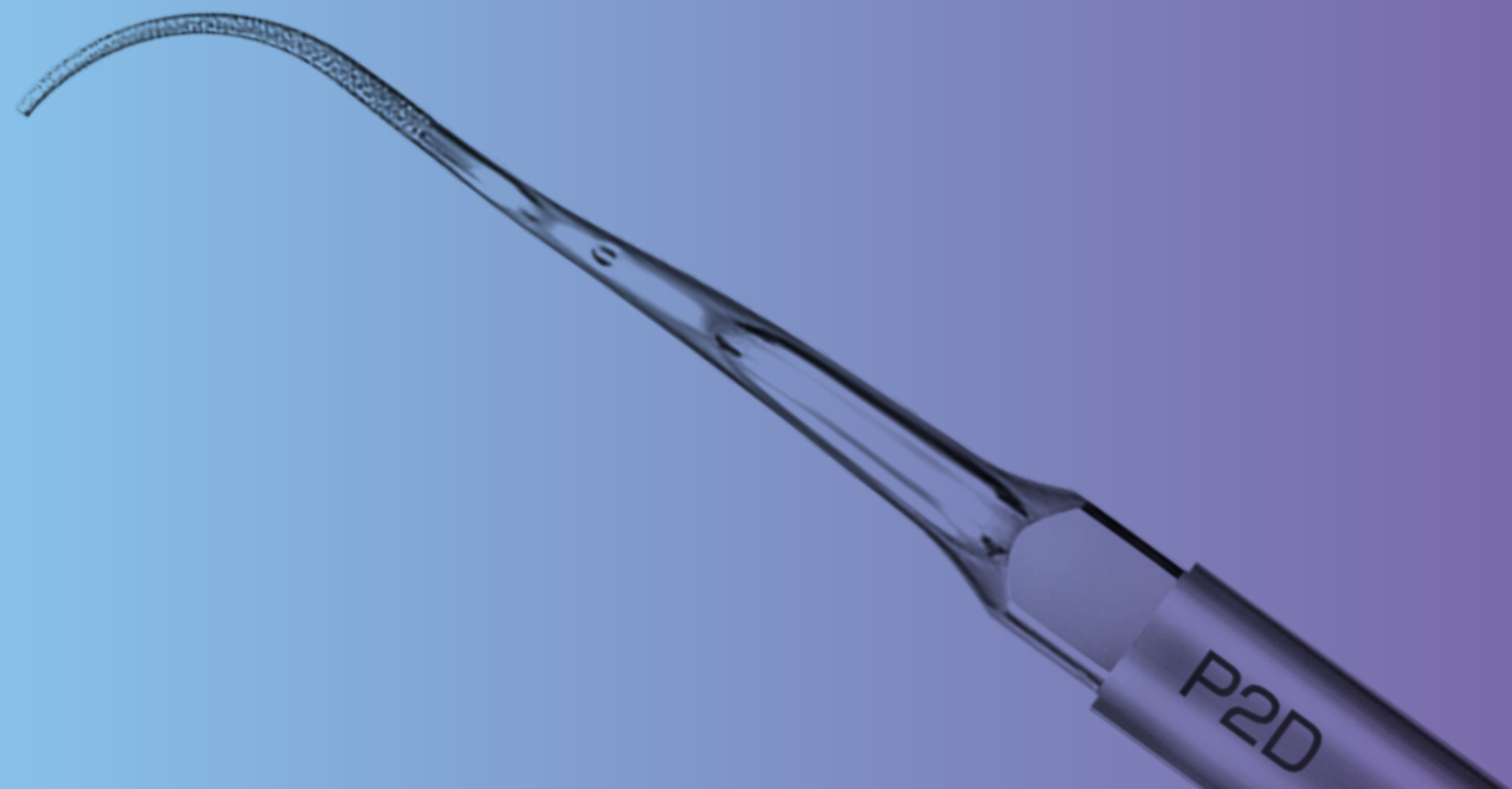
- Removal of supra gingival calculus.
- Removal of calculus, narrow interdental space.
- Removal of marginal gingival calculus.
- Removal of subgingival biofilm.



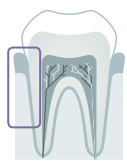
NSK | Satelec® MODEL **G16** ORDER CODE **Z217120**



Single rooted / Multi rooted

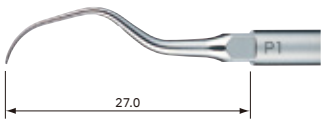


PERIO



MODEL **P1**

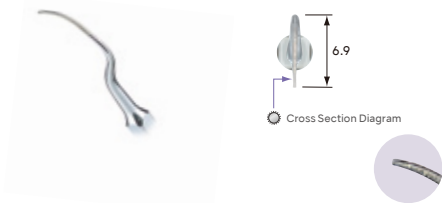
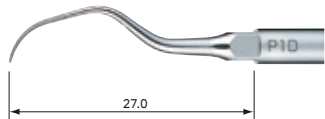
- Removal of calculus, narrow interdental space.
- Removal of sub gingival biofilm.



NSK | Satelec® MODEL **P1** ORDER CODE **Z217404**

MODEL **P1D**

- Removal of calculus, narrow interdental space.
- Removal of calculus in deep pockets.
- Removing biofilm from deep pockets.



NSK | Satelec® MODEL **P1D** ORDER CODE **Z217405**

- Diamond coated

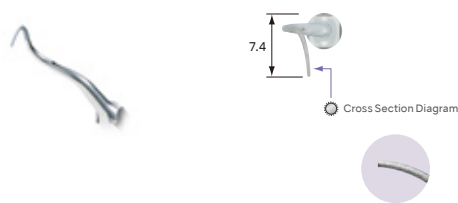


P1: Single rooted  
P1D: Single rooted / Multi rooted

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is four times bigger than the actual size.

MODEL **P2D**

- Removal of calculus, narrow interdental space.
- Removal of calculus in deep pockets.
- Removing biofilm from deep pockets.



NSK | Satelec® MODEL **P2D** ORDER CODE **Z217402**

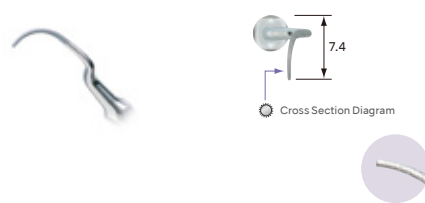
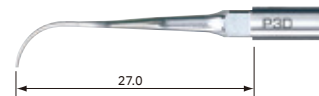
- Diamond coated
- Right curved type



Single rooted  
/ Multi rooted

MODEL **P3D**

- Diamond coated
- Left curved type



NSK | Satelec® MODEL **P3D** ORDER CODE **Z217403**



Single rooted  
/ Multi rooted

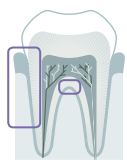
P2D / P3D (From above)



Refer to the power guide on pages 53-54.

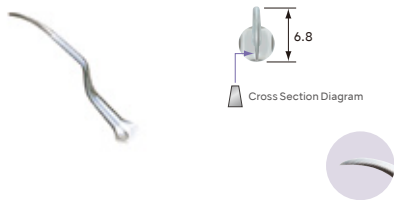
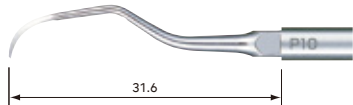


PERIO



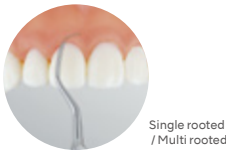
MODEL **P10**

- Removal of supra gingival calculus.
- Removal of calculus narrow interdental space.
- Removal of marginal gingival calculus.
- Removal of subgingival biofilm.



NSK Satelec® MODEL **P10** ORDER CODE **Z217410**

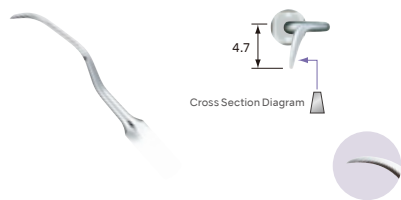
- Sharp edge



Single rooted  
/ Multi rooted

MODEL **P11R**

- Removal of calculus narrow interdental space.
- Removal of calculus in deep gingival.
- Removal of gingival biofilm.
- Removal of biofilm furcation area.
- Debridement of furcations.



NSK Satelec® MODEL **P11R** ORDER CODE **Z217408**

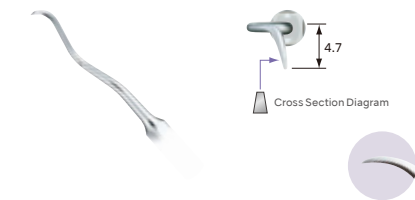
- Sharp edge
- Right curved type



Single rooted  
/ Multi rooted

MODEL **P11L**

- Removal of calculus narrow interdental space.
- Removal of calculus in deep gingival.
- Removal of gingival biofilm.
- Removal of biofilm furcation area.
- Debridement of furcations.



NSK Satelec® MODEL **P11L** ORDER CODE **Z217409**

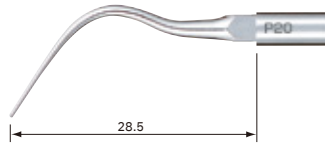
- Sharp edge
- Left curved type



Single rooted  
/ Multi rooted

MODEL **P20**

- Removal of subgingival biofilm.



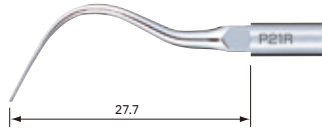
NSK Satelec® MODEL **P20** ORDER CODE **Z217420**  
EMS® MODEL **P20-E** ORDER CODE **Z291420**



Single rooted  
/ Multi rooted

MODEL **P21R**

- Removal of subgingival biofilm.



NSK Satelec® MODEL **P21R** ORDER CODE **Z217422**  
EMS® MODEL **P21R-E** ORDER CODE **Z291422**

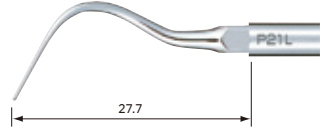
- Right curved type



Single rooted  
/ Multi rooted

MODEL **P21L**

- Removal of subgingival biofilm.

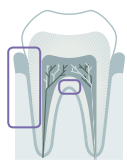


NSK Satelec® MODEL **P21L** ORDER CODE **Z217421**  
EMS® MODEL **P21L-E** ORDER CODE **Z291421**

- Left curved type



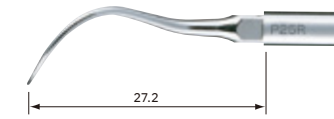
Single rooted  
/ Multi rooted



MODEL **P25R**

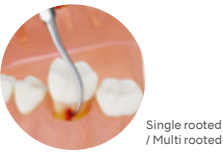
MODEL **P25L**

- Removal of biofilm in the furcation areas.



NSK   Satelec®	MODEL <b>P25R</b>	ORDER CODE	<b>Z217424</b>
EMS®	MODEL <b>P25R-E</b>	ORDER CODE	<b>Z291424</b>

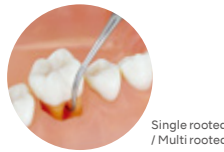
- Right curved type



Single rooted  
/ Multi rooted

NSK   Satelec®	MODEL <b>P25L</b>	ORDER CODE	<b>Z217425</b>
EMS®	MODEL <b>P25L-E</b>	ORDER CODE	<b>Z291425</b>

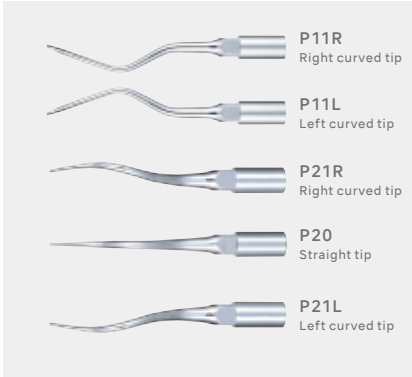
- Left curved type



Single rooted  
/ Multi rooted

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is four times bigger than the actual size.

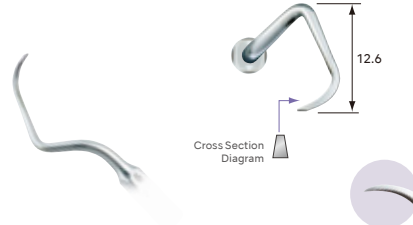
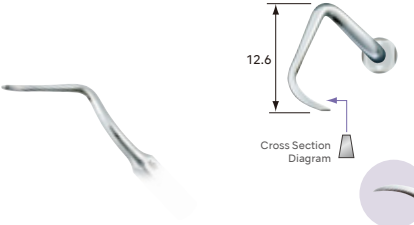
P11R / P11L / P21R / P20 / P21L (From above)



MODEL **P26R**

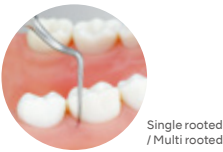
MODEL **P26L**

- Removal of calculus narrow interdental space.
- Removal of calculus in deep gingival.
- Removal of subgingival biofilm in the furcation areas.



NSK   Satelec®	MODEL <b>P26R</b>	ORDER CODE	<b>Z217426</b>
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- Sharp edge
- Right curved type



Single rooted  
/ Multi rooted

Refer to the power guide on pages 53-54.

NSK   Satelec®	MODEL <b>P26L</b>	ORDER CODE	<b>Z217427</b>
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- Sharp edge
- Left curved type



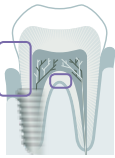
Single rooted  
/ Multi rooted

P25R / P25L / P26R / P26L (From above)




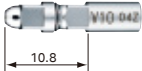
Satelec is a registered trademark of Satelec, a company of Acteon Group.


PERIO (Maintenance Tip)





MODEL **V10**




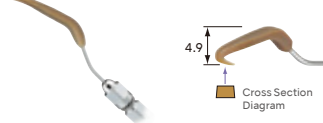















NSK Satelec


MODEL **V10**

ORDER CODE **Z217041**

\* Includes E-Tip replacement wrench  
\* Plastic Tip is not included


MODEL **V-P10**

ORDER CODE **Y900184**




MODEL **V-P11R**

ORDER CODE **Y1002165**




MODEL **V-P11L**


ORDER CODE **Y1002166**



\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is four times bigger than the actual size.

MODEL **V-P12**





NSK Satelec


MODEL **V-P12**

ORDER CODE **Y1002167**

\* Pack of 3  
\* V10 holder is not included


MODEL **V-P26R**

ORDER CODE **Y1002168**




MODEL **V-P26L**

ORDER CODE **Y1002169**




MODEL **V-P26R**

ORDER CODE **Y1002168**



MODEL **V-P26L**

ORDER CODE **Y1002169**




NSK Satelec

MODEL **Perio-Control Tips Starter Kit**

ORDER CODE **Y1002606**

\* V10 holder: 1 pc.  
\* V-P11R, V-P11L, V-P12, V-P26R, V-P26L: 1 pc. each  
\* Includes E-Tip replacement wrench



Refer to the power guide on pages 53-54.

Satelec is a registered trademark of Satelec, a company of Acteon Group.

19

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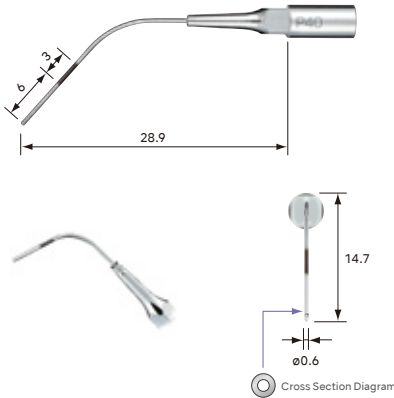
PERIO

# PERIO (Irrigation and Cleaning)

For effective cleaning following debridement or scaling. \*No scaling effect.

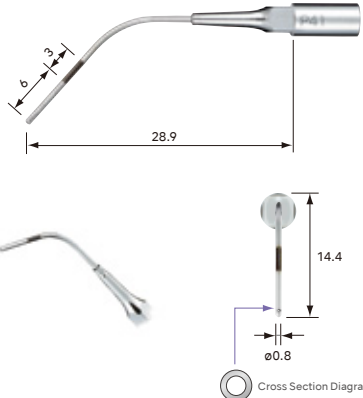
MODEL	<b>P40</b>	MODEL	<b>P41</b>
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• Safe to use in all pocket conditions and has 3mm to 6mm markings as guidance.



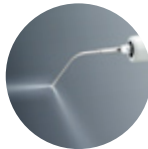
NSK Satelec®	MODEL	<b>P40</b>	ORDER CODE	<b>Z217550</b>
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• Tip diameter  $\varnothing 0.6$  mm



NSK Satelec®	MODEL	<b>P41</b>	ORDER CODE	<b>Z217555</b>
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• Tip diameter  $\varnothing 0.8$  mm

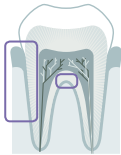


### Dual irrigation points

- Irrigation from dual points on lateral areas of the apex.
- Effective cleaning regardless of the insertion angle.
- The rounded apex shape for safety in periodontium.

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is four times bigger than the actual size.

# PERIO



MODEL	<b>Perio Kit A</b>	MODEL	<b>Perio Kit B</b>
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NSK Satelec®	MODEL	<b>Perio Kit A</b>	ORDER CODE	<b>Y900144</b>
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- P1D, P2D, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.



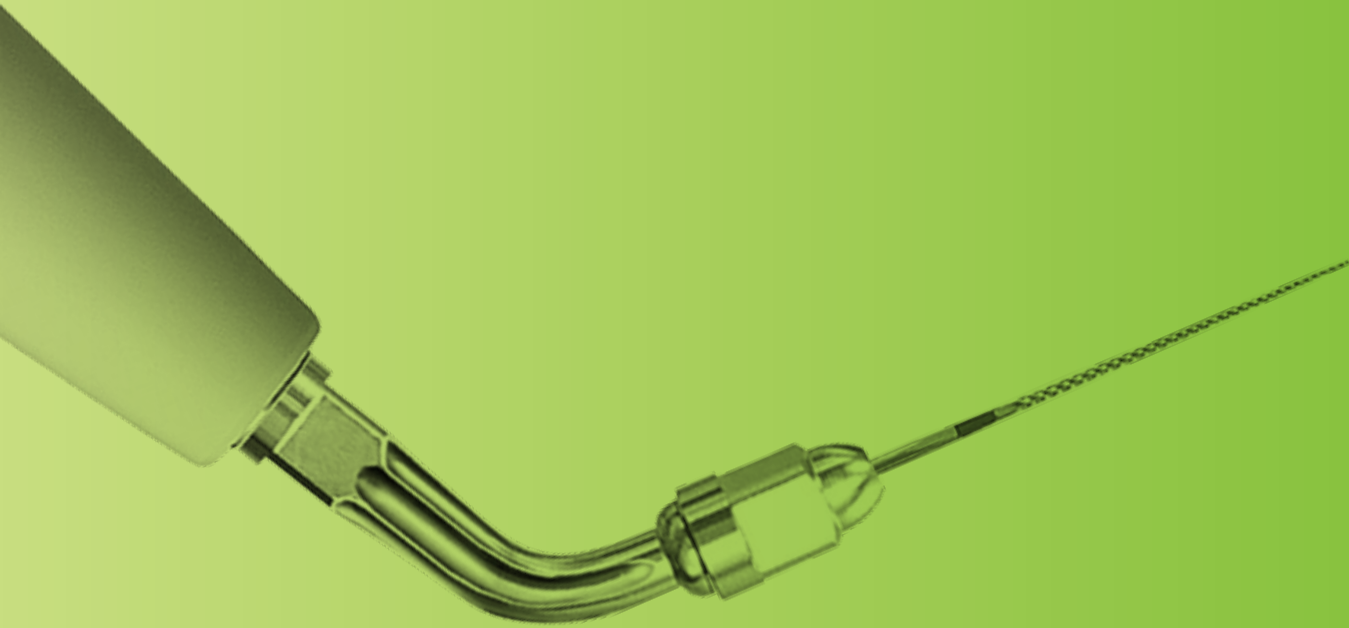
NSK Satelec®	MODEL	<b>Perio Kit B</b>	ORDER CODE	<b>Y900145</b>
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- P20, P25R, P25L : 1 pc. each
- Tip holder : 1 pc.

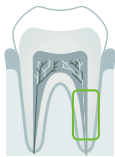
Refer to the power guide on pages 53-54.

Satelec is a registered trademark of Satelec, a company of Acteon Group.

# ENDODONTICS

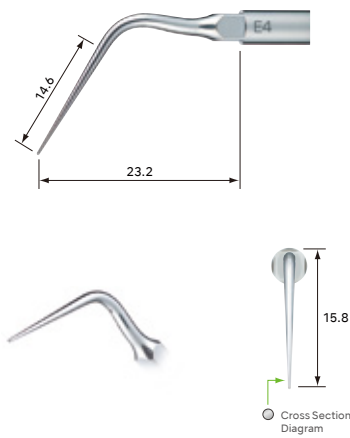


# ENDODONTICS



## MODEL E4

- Cleining of root canal and removal of foreign materials.  
Widening of the root canal.



NSK Satelec<sup>®</sup> MODEL E4 ORDER CODE Z217428

- Tip diameter  $\varnothing 0.6$  mm

## MODEL E7

- Removal of filling and foreign material.



NSK Satelec<sup>®</sup> MODEL E7 ORDER CODE Z217307

- Water not required

## MODEL E8

- Removal of filling and foreign material.

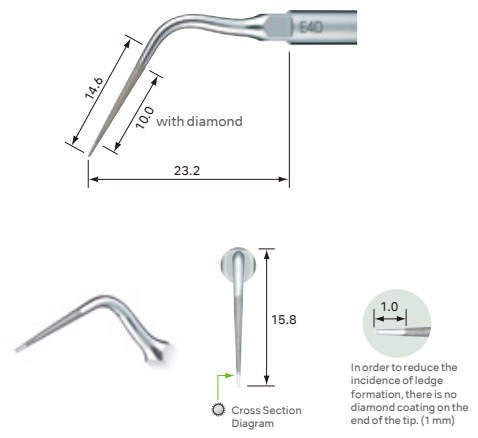


NSK Satelec<sup>®</sup> MODEL E8 ORDER CODE Z217308

- Water not required

## MODEL E4D

- Cleaning and smoothing of root canals.  
Widening of the root canal.



NSK Satelec<sup>®</sup> MODEL E4D ORDER CODE Z217528

- Diamond coated

## MODEL E7D

- Root canal enlargement.



NSK Satelec<sup>®</sup> MODEL E7D ORDER CODE Z217317

- Diamond coated

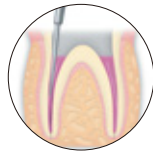
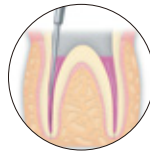
## MODEL E8D

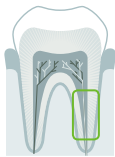
- Root canal enlargement.



NSK Satelec<sup>®</sup> MODEL E8D ORDER CODE Z217318

- Diamond coated





MODEL **E5**

• Lateral condensation.



NSK | Satelec® MODEL **E5** ORDER CODE **Z217305**

• Water not required



MODEL **E6**

• Lateral condensation.



NSK | Satelec® MODEL **E6** ORDER CODE **Z217306**

• Water not required



\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is four times bigger than the actual size.

MODEL **E15D**

• Locating root canals and removal of calcifications.

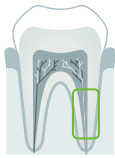


NSK | Satelec® MODEL **E15D** ORDER CODE **Z217319**

• Diamond coated

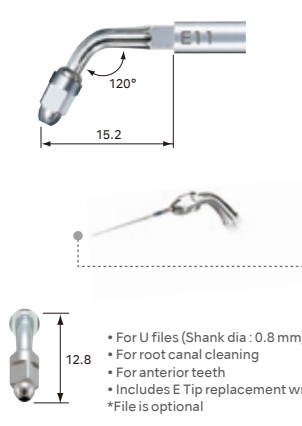


Refer to the power guide on pages 53-54.



MODEL **E11**

• 120° Angle Holder for U files



NSK Satelec® MODEL **E11** ORDER CODE **Z217031**

MODEL **E12**

• 95° Angle Holder for U files



NSK Satelec® MODEL **E12** ORDER CODE **Z217032**

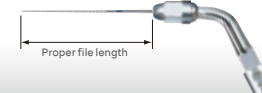
MODEL **U Files**

Length : 33 mm Shank dia. : 0.8 mm

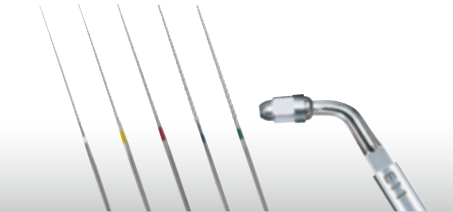
- MODEL **U files 33mm ISO 15** ORDER CODE **Y900062**  
• ISO 15 • Pack of 6
- MODEL **U files 33mm ISO 20** ORDER CODE **Y900063**  
• ISO 20 • Pack of 6
- MODEL **U files 33mm ISO 25** ORDER CODE **Y900064**  
• ISO 25 • Pack of 6
- MODEL **U files 33mm ISO 30** ORDER CODE **Y900065**  
• ISO 30 • Pack of 6
- MODEL **U files 33mm ISO 35** ORDER CODE **Y900066**  
• ISO 35 • Pack of 6

Always refer to this reference chart to ensure correct and accurate proper file length to avoid file breakage.

E11	Varios2	22 mm	24.5 mm	22 mm	22 mm	22 mm
	Varios	22-23 mm	22-23 mm	23-25 mm	23-25 mm	24-26 mm
E12	Varios2	22 mm	24.5 mm	24.5 mm	24.5 mm	22 mm
	Varios	21-25 mm	21-25 mm	21-25 mm	21-25 mm	21-25 mm



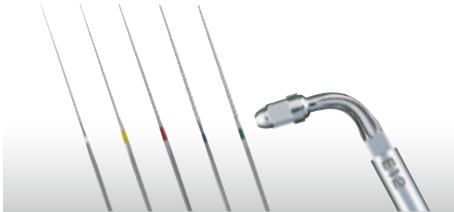
MODEL **Endo Kit E11** For anterior teeth



NSK Satelec® MODEL **Endo Kit E11** ORDER CODE **Y900146**

- E11 : 1 pc. 120° angle holder for anterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33mm ISO 15, ISO 20, ISO 25, ISO 30, ISO 35 : Pack of 6 each size

MODEL **Endo Kit E12** For posterior teeth



NSK Satelec® MODEL **Endo Kit E12** ORDER CODE **Y900147**

- E12 : 1 pc. 95° angle holder for posterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33mm ISO 15, ISO 20, ISO 25, ISO 30, ISO 35 : Pack of 6 each size

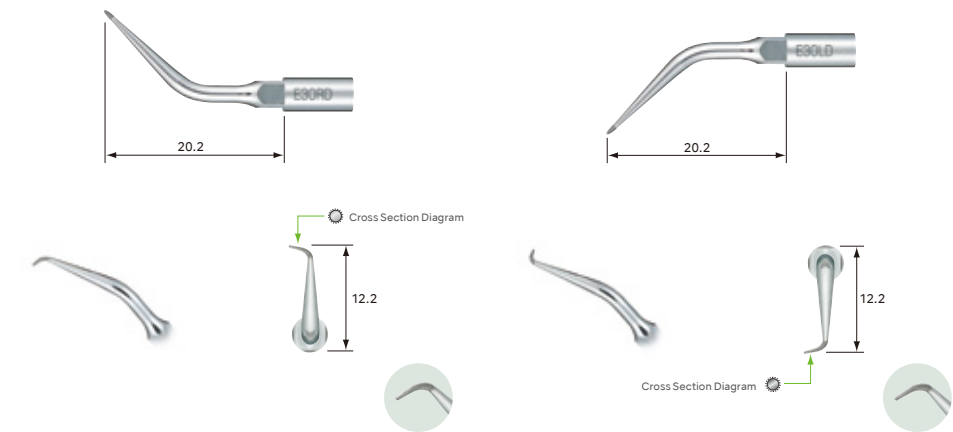


# RETROGRADE ENDO

The microscopic diamond coated tip allows effective removal of dentin at the apex.  
2 types of angled tips (90°, 70°) are available for anterior teeth and another 2 types of curved tips (right and left) are available for molar teeth.

MODEL	E30RD	MODEL	E30LD
-------	-------	-------	-------

- Diamond coated tip allows efficient cavity preparation.



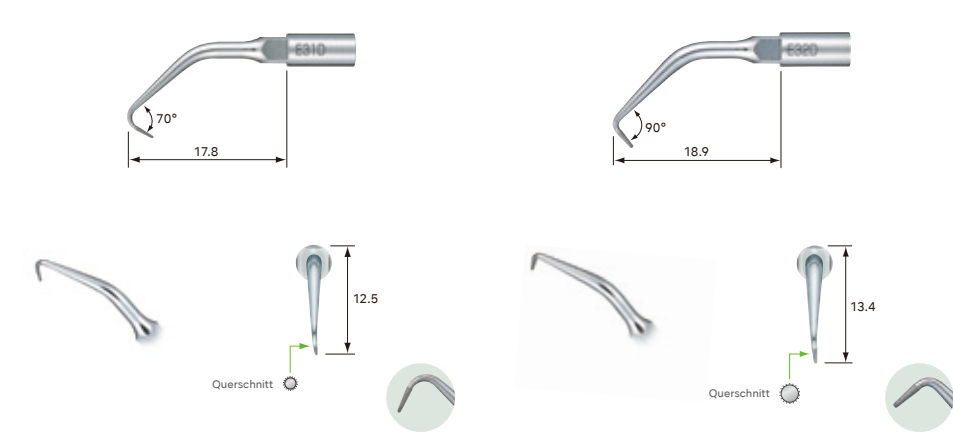
NSK Satelec®	MODEL	E30RD	ORDER CODE	Z217212
NSK Satelec®	MODEL	E30LD	ORDER CODE	Z217213

- Diamond coated
- For posterior teeth (right angled)
- Diamond coated
- For posterior teeth (left angled)



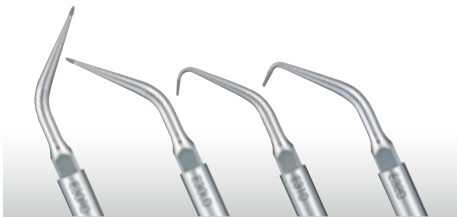
MODEL	E31D	MODEL	E32D	MODEL	Retro Kit
-------	------	-------	------	-------	-----------

- Diamond coated tip allows efficient cavity preparation.



NSK Satelec®	MODEL	E31D	ORDER CODE	Z217210
NSK Satelec®	MODEL	E32D	ORDER CODE	Z217211

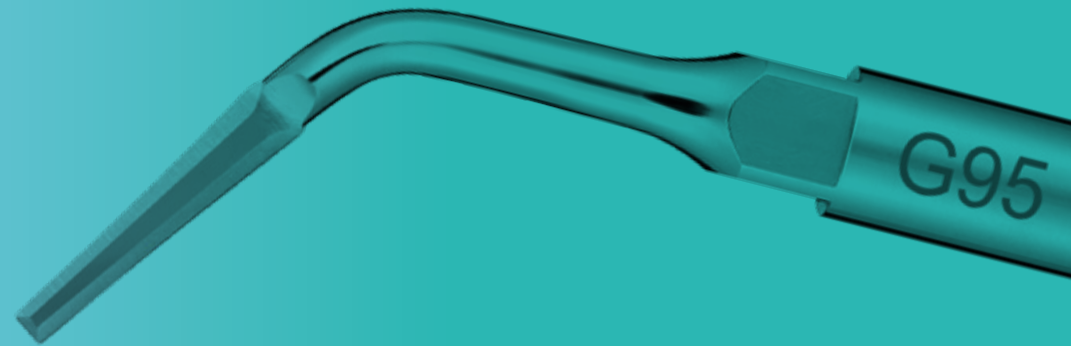
- Diamond coated
- For anterior and posterior teeth (70°)
- Diamond coated
- For anterior teeth (90°)



NSK Satelec®	MODEL	Retro Kit	ORDER CODE	Y900149
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- E30RD, E30LD, E31D, E32D : 1 pc. each
- Tip holder : 1 pc.

# EXTRACTION

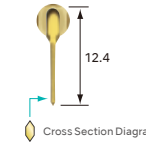
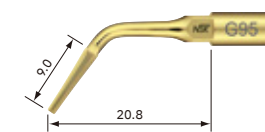


## EXTRACTION

Periodontal membrane removal Tip.

MODEL **G95**

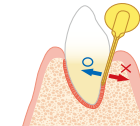
- Tooth extraction is possible without excessively cutting the alveolar bone around the remaining root, retaining the morphology of the alveolar bone.



### Caution



Move not only in the mesiodistal and buccolingual directions but also up and down as if delivering water to the apex (light pumping action). At that time pay particular attention to the flow of water irrigation.



To prevent damage to the alveolar bone, move tip apex along the contour of the tooth.

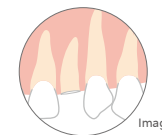
- Use of irrigation enhances performance.
- When used with Varios 970 choice of irrigation.
- Tip can be used on NSK ultrasonic units.

NSK MODEL **G95**

ORDER CODE **Z217705**

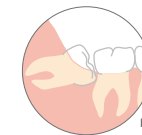
- TiN coating • 0.7 mm thick • A double edge, which is sharp in three directions

Root extraction (upper left No. 2 tooth removal)



Image

Impacted tooth (lower left No. 8 tooth removal)



Image

Be careful not to apply excessive force, as in cases of using elevators.

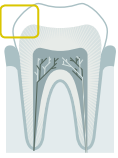
Refer to the power guide on pages 53-54.

\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is four times bigger than the actual size.

# RESTORATIVE



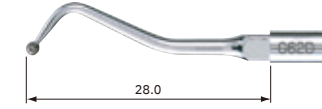
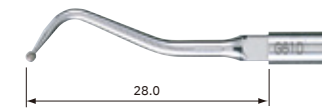
## RESTORATIVE



MODEL **G61D**

MODEL **G62D**

• Diamond coated ball ended tip.



NSK | Satelec® MODEL **G61D** ORDER CODE **Z217601**

NSK | Satelec® MODEL **G62D** ORDER CODE **Z217602**

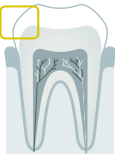
• Diamond coated

• Diamond coated



Refer to the power guide on pages 53-54.

Satelec is a registered trademark of Satelec, a company of Acteon Group.



MODEL **G65D**

- Interproximal caries removal.  
The hemispherical top of the tip does not allow cutting of sound tooth.



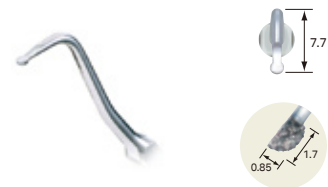
NSK Satelec® MODEL **G65D** ORDER CODE **Z217605**

- Diamond coated



MODEL **G66D**

- Interproximal caries removal of anterior teeth with safe cutting end.



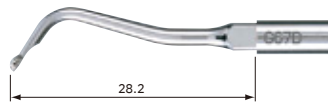
NSK Satelec® MODEL **G66D** ORDER CODE **Z217606**

- Diamond coated



MODEL **G67D**

- Molar teeth, interdental caries removal.  
The hemispherical top of the tip does not allow cutting on the adjacent tooth.



NSK Satelec® MODEL **G67D** ORDER CODE **Z217607**

- Diamond coated



MODEL **G68D**

- Anterior interdental caries removal.  
Cutting only one side without damaging adjacent tooth surface.



NSK Satelec® MODEL **G68D** ORDER CODE **Z217608**

- Diamond coated





PROSTHETICS

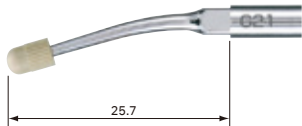
# PROSTHETICS

Condensation / Loosening / Plugging



MODEL **G21**

- Assistance for Adhesive dentistry.
- Cementing of small anterior indirect restorations, i.e. inlays, veneers.



NSK | Satelec® MODEL **G21** ORDER CODE **Z217010**

- For anterior teeth
- **Water not required**
- 3 caps supplied



MODEL **G22**

- Assistance for Adhesive dentistry.
- Cementing of small posterior indirect restorations, i.e. onlays, crowns.



NSK | Satelec® MODEL **G22** ORDER CODE **Z217020**

- For anterior teeth
- **Water not required**
- 3 caps supplied

MODEL **Tip Cap**



MODEL **Tip Cap** ORDER CODE **Y140751**

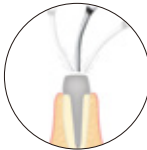
- For G21 / G22
- Pack of 10

MODEL **G26**

- Post removal. (ø1.3 mm thickness)



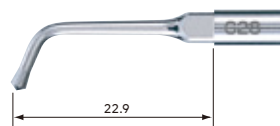
NSK | Satelec® MODEL **G26** ORDER CODE **Z217206**



Refer to the power guide on pages 53-54.

MODEL **G28**

- Amalgam condensation.



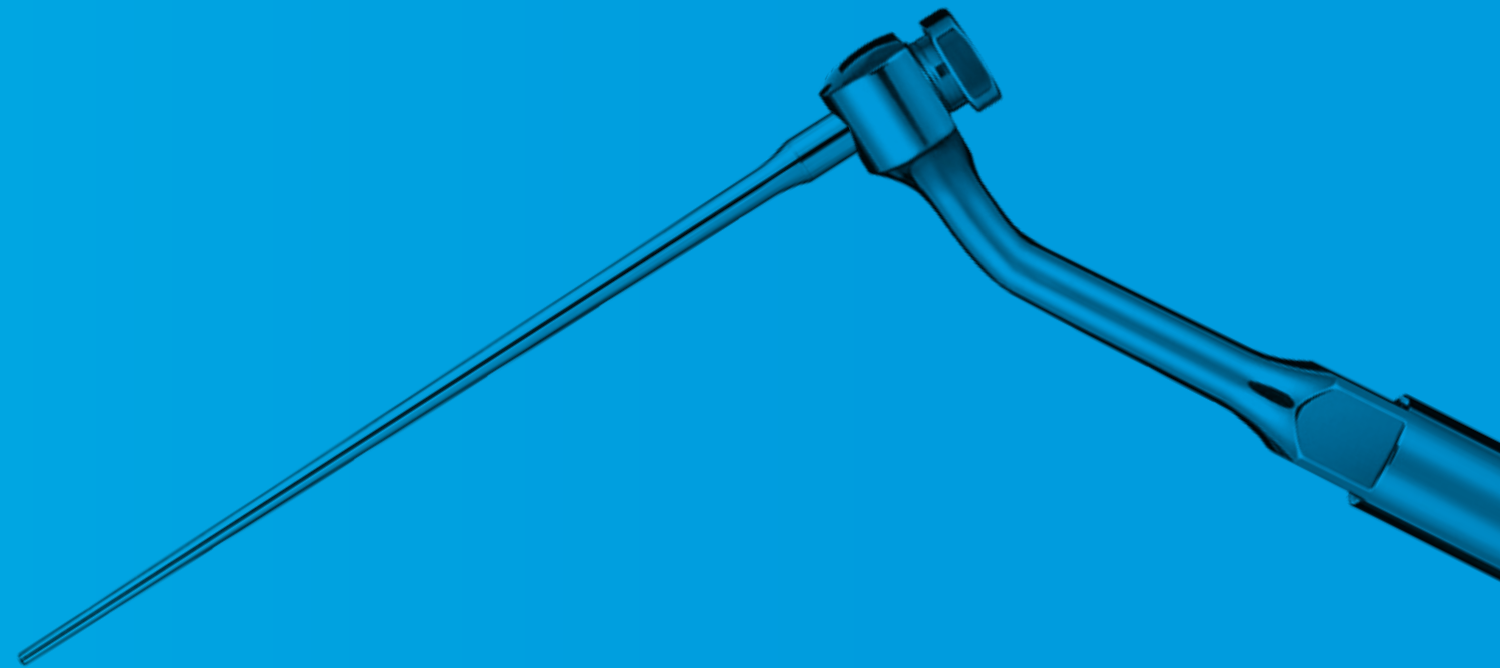
NSK | Satelec® MODEL **G28** ORDER CODE **Z217208**

- **Water not required**



Satelec is a registered trademark of Satelec, a company of Acteon Group.

## V-TIP SYSTEM



# V-TIP SYSTEM

NSK Varios V-Tip holder system is innovative, multi-functional and economical.  
The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced.  
NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.



## 3 Features

### Safety

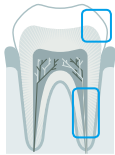
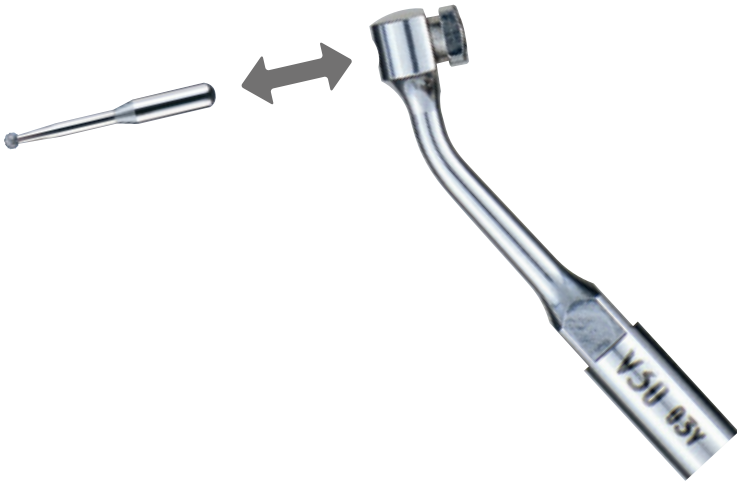
- Minimal damage to soft tissue
- Less risk of bleeding
- Cutting with ultrasonic instruments is minimally invasive

### Economical

- One tip - Replaceable inserts
- Inserts are inexpensive

### Ease of Use

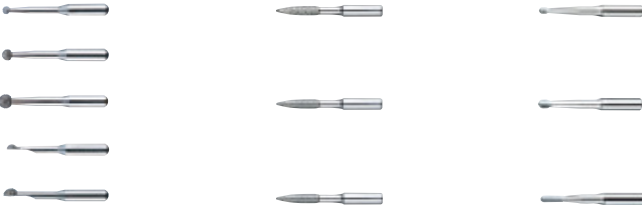
- Small tip head guarantees good visibility
- Small head enables better access to distal sides of molar teeth and buccal area
- One tip meets the wide requirements of many clinical applications



# V-TIP System Line Up

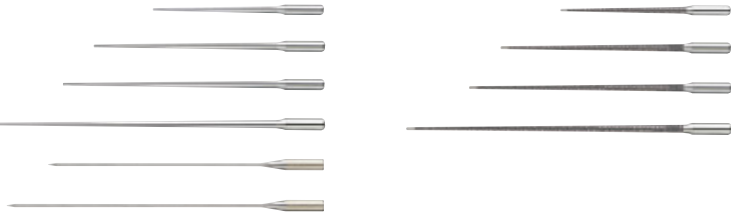
## Restorative Pages 49~52

- For Minimal Intervention
- For Finishing / Trimming / Polishing
- For Caries Removal



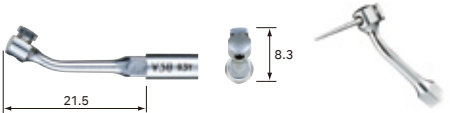
## Endodontics Pages 47~48

- For Root Canal Cleaning
- For Root Canal Enlargement



NSK Satelec®

MODEL **V30**



ORDER CODE **Z217030**

- Includes E Tip replacement wrench
- \*Tip is optional

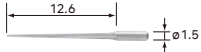






For Root Canal Cleaning


MODEL **V-S50**



ORDER CODE **Y900169**

• For root canal cleaning 17 mm • Pack of 3


MODEL **V-S51**



ORDER CODE **Y900170**

• For root canal cleaning 23 mm • Pack of 3


MODEL **V-S52**



ORDER CODE **Y900171**

• For root canal cleaning 26 mm • Pack of 3

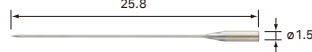
MODEL **V-S53**



ORDER CODE **Y900172**

• For root canal cleaning 32 mm • Pack of 3

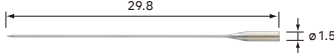
MODEL **V-N50**



ORDER CODE **Y900182**

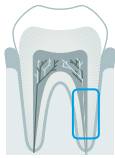
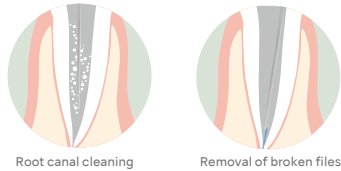
• Ni-Ti Irrigation 17 mm • Pack of 3

MODEL **V-N51**




ORDER CODE **Y900183**

• Ni-Ti Irrigation 21 mm • Pack of 3



For Root Canal Enlargement


MODEL **V-S50D**



ORDER CODE **Y900173**

• Diamond coated • For root canal enlargement 17 mm • Pack of 3

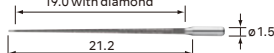
MODEL **V-S51D**



ORDER CODE **Y900174**

• Diamond coated • For root canal enlargement 23 mm • Pack of 3

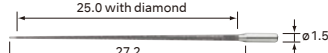
MODEL **V-S52D**



ORDER CODE **Y900175**

• Diamond coated • For root canal enlargement 26 mm • Pack of 3

MODEL **V-S53D**



ORDER CODE **Y900176**

• Diamond coated • For root canal enlargement 32 mm • Pack of 3



\*In order to reduce the incidence of ledge formation, there is no diamond coating on the end of the tip. (1mm)

# V-TIP SYSTEM (Restorative)

The advantage of ultrasonic cutting is that tip movement is minute allowing only decayed dentine to be removed, while sound dentine is preserved. Cervical decay can be treated with minimum bleeding enabling quicker recovery.



## For Minimal Intervention



ORDER CODE **Y900118**

• Diamond coated • Pack of 3



ORDER CODE **Y900119**

• Diamond coated • Pack of 3



ORDER CODE **Y900120**

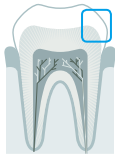
• Diamond coated • Pack of 3



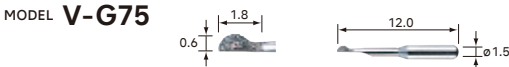
Cervical decay removal



Root decay removal



## For Minimal Intervention



ORDER CODE **Y900121**

• Diamond coated • Pack of 3



ORDER CODE **Y900122**

• Diamond coated • Pack of 3



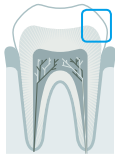
Contact surface of tooth decay removal



Root decay removal

# V-TIP SYSTEM (Restorative)

The NSK Varios V-Tip System has been developed to carry out “Minimally Invasive” dental procedures. As an alternative to rotary cutting, the Varios V-Tip offers precise and effective ultrasonic technology cutting.



## For Finishing / Trimming / Polishing

### MODEL V-G77

Normal grade



ORDER CODE **Y900165**

• Diamond coated • Pack of 3

### MODEL V-G78

Fine grade



ORDER CODE **Y900166**

• Diamond coated • Pack of 3

### MODEL V-G79

Super fine grade



ORDER CODE **Y900167**

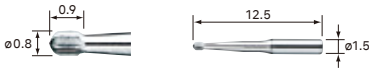
• Diamond coated • Pack of 3



Root canal enlargement

## For Caries Removal

### MODEL V-S1



ORDER CODE **Y900161**

• Stainless tip • Pack of 3

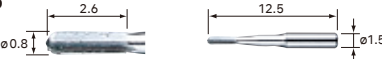
### MODEL V-S3



ORDER CODE **Y900162**

• Stainless tip • Pack of 3

### MODEL V-S33



ORDER CODE **Y900163**

• Stainless tip • Pack of 3

POWER GUIDE

TIP NO.	NSK		Satelec® P-Max XS P5 XS	EMS® Piezon Master 600 (miniMaster)
	Varios2 970/370	Varios 750/560/350		
SCALING				
G1	G 7	G 3	15	P 6
G2	G 7	G Max	15	P 6
G3	G 7	G 3	15	P 3
G4	G 5	G 3	15	P 3
G5	G 6	G 3	15	—
G6	G 8	G 1	15	P 6
G8	G 7	G 3	15	—
G9	G 5	G 1	15	—
G11	G 6	G 3	15	—
G12	G 7	G 3	15	—
G13	G 6	G 3	15	—
G16	G 8	—	—	—
PERIO/MAINTENANCE				
P1	P 6	P 2	5	—
P1D	P 10	P 2	5	—
P2D	P 8	P 4	5	—
P3D	P 8	P 4	5	—

TIP NO.	NSK		Satelec® P-Max XS P5 XS	EMS® Piezon Master 600 (miniMaster)
	Varios2 970/370	Varios 750/560/350		
P10	P 10	P Max	5	—
P11R	P 10	P Max	5	—
P11L	P 10	P Max	5	—
P20	P 8	P 4	5	P 6
P21R	P 8	P 4	5	P 6
P21L	P 8	P 4	5	P 6
P25R	P 10	P 4	5	P 6
P25L	P 10	P 4	5	P 6
P26R	P 6	P 3	5	—
P26L	P 6	P 3	5	—
P40	P 3	P 1	5	—
P41	P 3	P 1	5	—
V-P10	P 6	P 3	5	—
V-P11R	P 6	P 3	5	—
V-P11L	P 6	P 3	5	—
V-P12	P 6	P 3	5	—
V-P26R	P 6	P 3	5	—
V-P26L	P 6	P 3	5	—

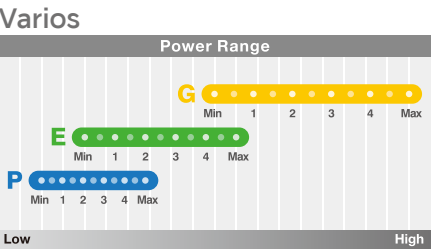
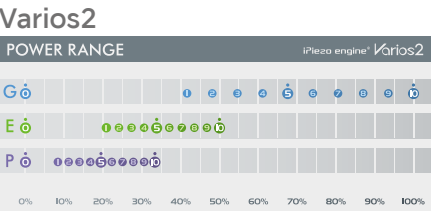
TIP NO.	NSK		Satelec® P-Max XS P5 XS	EMS® Piezon Master 600 (miniMaster)
	Varios2 970/370	Varios 750/560/350		
ENDODONTICS				
E4	E 6	E 3	5	—
E4D	E 7	E 3	5	—
E5	E 10	E 3	5	—
E6	E 10	E 4	5	—
E7	E 6	E Max	5	—
E7D	E 6	E Max	5	—
E8	E 2	E 4	5	—
E8D	E 2	E 4	5	—
E15D	E 6	E 3	5	—
E11	E 4	E 3	5	—
E12	E 3	E 3	5	—
E30RD	E 6	E 3	5	—
E30LD	E 6	E 3	5	—
E31D	E 6	E 3	5	—
E32D	E 6	E 3	5	—
EXTRACTION				
G95	G 10	—	—	—

TIP NO.	NSK		Satelec® P-Max XS P5 XS	EMS® Piezon Master 600 (miniMaster)
	Varios2 970/370	Varios 750/560/350		
RESTORATIVE				
G61D	G 2	G 2	15	—
G62D	G 2	G 3	15	—
G65D	G 2	G 2	15	—
G66D	G 2	G 2	15	—
G67D	G 2	G 3	15	—
G68D	G 2	G 3	15	—
PROSTHETICS				
G21	G 4	G 2	20	—
G22	G 4	G 2	20	—
G26	G 10	G Max	20	—
G28	G 10	G 2	20	—
V-TIP (ENDODONTICS)				
V-S50	E 5	E 3	10	—
V-S50D	E 5	E 3	10	—
V-S51	E 3	E 1	10	—
V-S51D	E 3	E 1	10	—
V-S52	E 5	E 2	10	—

TIP NO.	NSK		Satelec® P-Max XS P5 XS	EMS® Piezon Master 600 (miniMaster)
	Varios2 970/370	Varios 750/560/350		
V-S52D	E 5	E 2	15	—
V-S53	E 5	E 2	15	—
V-S53D	E 5	E 2	15	—
V-N50	E 3	E 3	—	—
V-N51	E 2	E 3	—	—
V-TIP (RESTORATIVE)				
V-G70	G 6	G 3	15	—
V-G71	G 6	G 3	15	—
V-G72	G 6	G 3	15	—
V-G75	G 6	G 1	15	—
V-G76	G 6	G 3	15	—
V-G77	G 6	G 3	15	—
V-G78	G 6	G 3	15	—
V-G79	G 6	G 3	15	—
V-S1	G 6	E 3	15	—
V-S3	G 4	E 3	15	—
V-S33	G 6	E 3	15	—

: Figures in the power guide indicate the appropriate power range and maximum power level for each tip. Do not exceed the maximum power level to avoid possible tip breakage.

Applicable power range for NSK Varios tips when used with NSK Varios and Varios2 ultrasonic scaler.



- <Caution>
- Always consult the operating manual and attached sheets before use.
  - Always use with correct power mode and power range for each individual tip.
  - Always use with sufficient irrigation to prevent excessive heat generation during treatment.
  - Always start out with lower power setting and then adjust to higher setting if necessary.
  - Always make sure that tips are securely tightened with the appropriate wrench and the power is set to and does not exceed the appropriate level before use.

\*Incorrect operation may cause tip breakage even if tip is used within the recommended power range. Consult the operating manual before use.

# The Varios Tip Card — Easy to use guide to assess tip wear

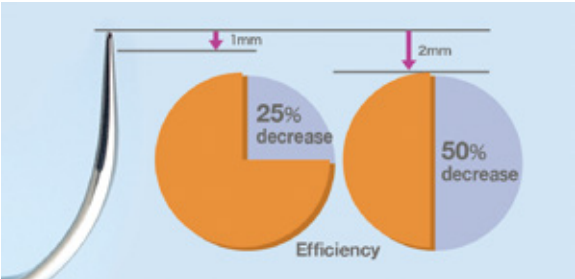
Ultrasonic scaler's tips wear through repeated use. Worn tips move differently to new tips and do not perform as effectively. To check the condition of the tip, use the Varios Tip Card.

## How to use the Varios Tip Card

- 1. Place the neck of the tip in the cut out.
- 2. Check wear of the tip.
- 3. See the green, yellow and red line to check wear of the tip

\*See below what each color means.

At NSK we recommend to replace a tip when the tip meets **the yellow line (wear of 1mm)** to guarantee safe and effective use.



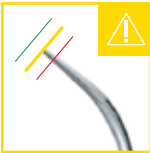
**Green: No wear - Tip is OK**

Tip replacement is not necessary



**Yellow: Wear of 1mm - Tip is showing some wear**

Tip replacement is recommended



**Red: Wear of 2mm - Tip is badly worn**

Tip replacement is necessary



### Tip Replacement Wrench with Torque Limiter

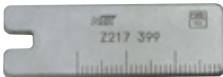
For tips G1- G68D, G95, P1- P41, E15D, E30RD, E30LD, E31D, E32D and V-tip replaceable insets.

\*Please tighten the tip until it clicks.



### E Tip Replacement Wrench

For V10 (V-tip holder), tips E4, E4D, E5, E6, E7, E7D, E8, E8D, E11, E12 and the inserts of V30 (V-tip holder).



\* The Tip Card can be used to check the following tips : G1, G4, G5, G6, G8, G9, G16, P1, P10, and P20

# The Varios Tip Videos

Please watch the videos about the Varios tip range at the below websites to experience the precision and quality that is synonymous with NSK.

Ultrasonic  
scaler  
Varios series



- Series description  
[ Varios 970 ]
- Maintenance

Varios tip



- Tip description

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Specifications are subject to change without notice.