

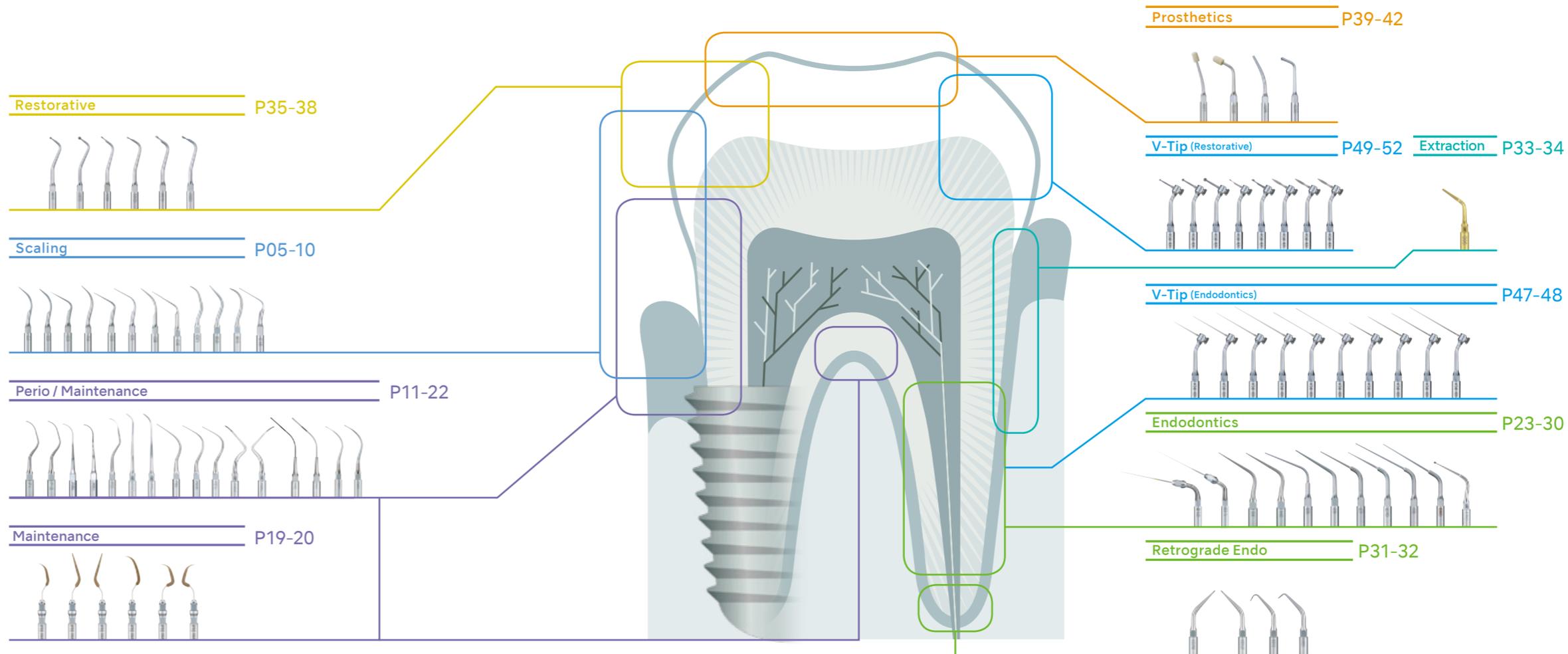
Create it 

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



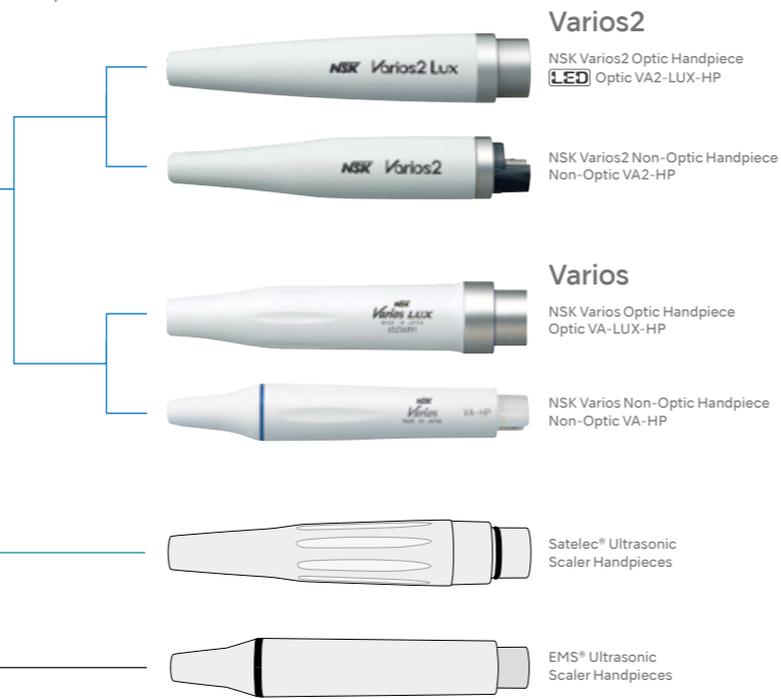
### NSK V-Tip System

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.



## Varios2

NSK Varios2 Optic Handpiece  
**LED** Optic VA2-LUX-HP

NSK Varios2 Non-Optic Handpiece  
Non-Optic VA2-HP

## Varios

NSK Varios Optic Handpiece  
Optic VA-LUX-HP

NSK Varios Non-Optic Handpiece  
Non-Optic VA-HP

Satelec® Ultrasonic  
Scaler Handpieces

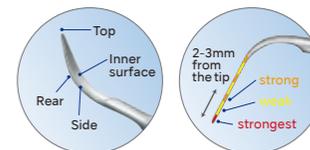
EMS® Ultrasonic  
Scaler Handpieces

# 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:

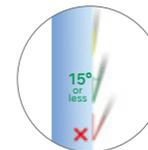
## POINT 1 Correct application of the tip to a tooth

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.



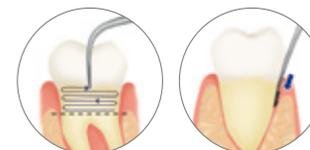
## POINT 2 The angle of the tip

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.



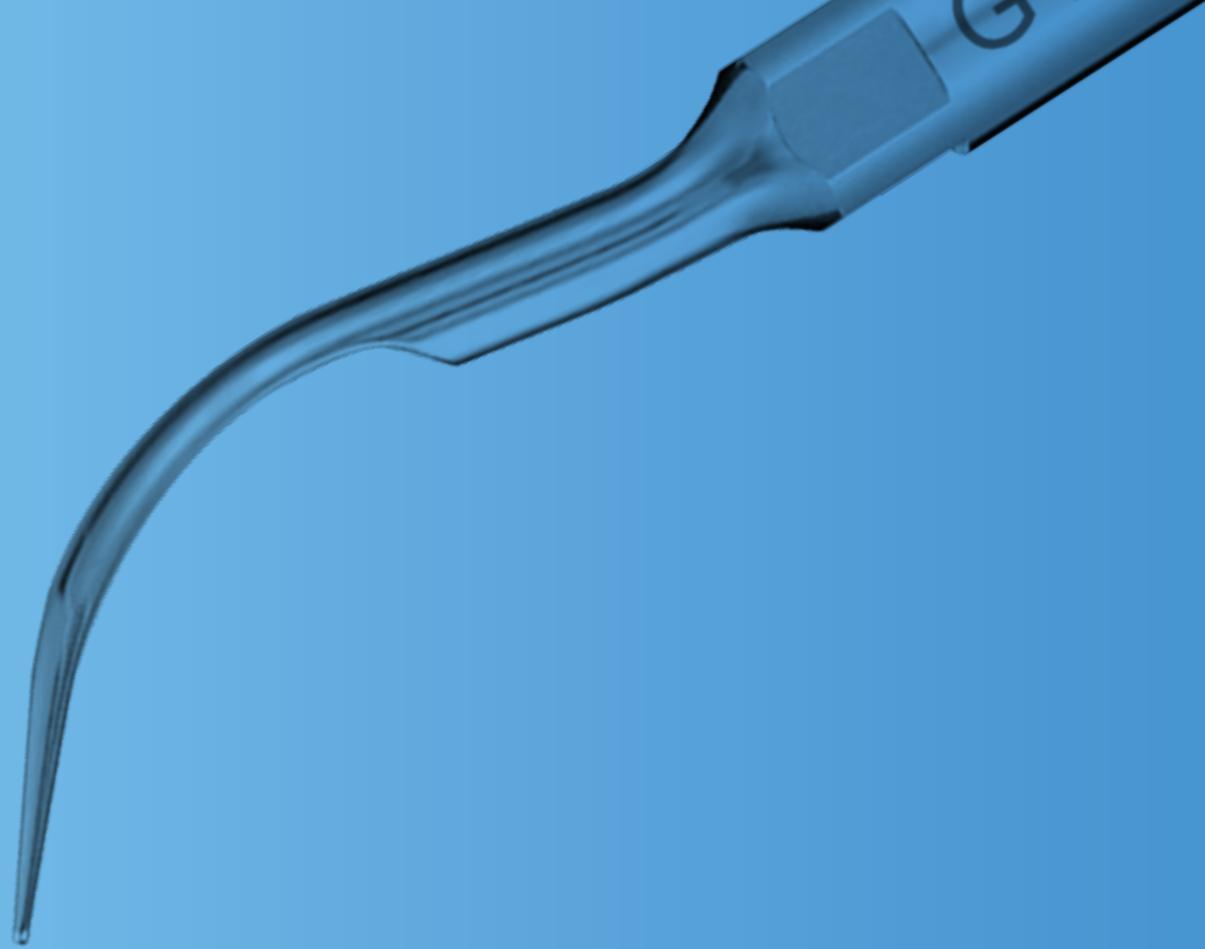
## POINT 3 Application and the motion of the tip

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.



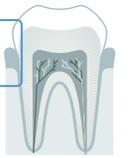
## POINT 4 Power setting

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<sup>®</sup> MODEL G1 ORDER CODE Z217101

EMS<sup>®</sup> MODEL G1-E ORDER CODE Z291101

## MODEL G2

- Removal of supra gingival calculus.

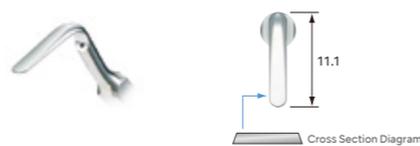
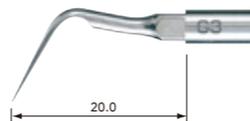


NSK Satelec<sup>®</sup> MODEL G2 ORDER CODE Z217102

EMS<sup>®</sup> MODEL G2-E ORDER CODE Z291102

## MODEL G3

- Removal of supra gingival calculus.



NSK Satelec<sup>®</sup> MODEL G3 ORDER CODE Z217103

EMS<sup>®</sup> MODEL G3-E ORDER CODE Z291103

## MODEL G4

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

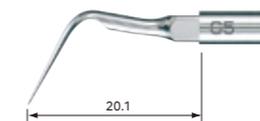


NSK Satelec<sup>®</sup> MODEL G4 ORDER CODE Z217104

EMS<sup>®</sup> MODEL G4-E ORDER CODE Z291104

## MODEL G5

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



NSK Satelec<sup>®</sup> MODEL G5 ORDER CODE Z217105

## MODEL G6

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



NSK Satelec<sup>®</sup> MODEL G6 ORDER CODE Z217106

EMS<sup>®</sup> MODEL G6-E ORDER CODE Z291106

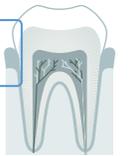


\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is four times bigger than the actual size.

Refer to the power guide on pages 53-54.

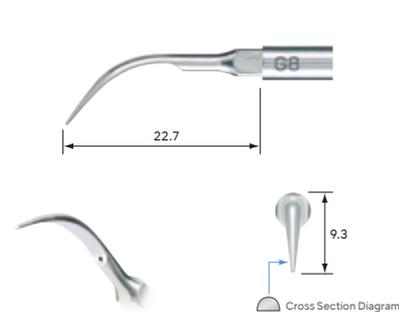
Satelec is a registered trademark of Satelec, a company of Acteon Group.  
EMS is a registered trademark of Ferton Holding SA. 08

# SCALING



## MODEL G8

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



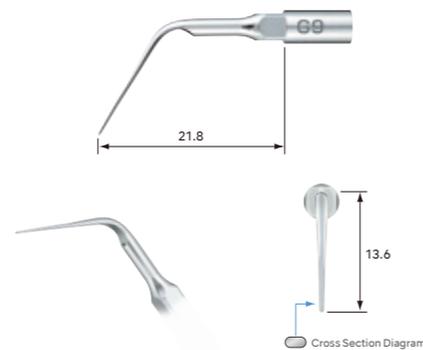
NSK Satelec MODEL G8 ORDER CODE Z217108



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.



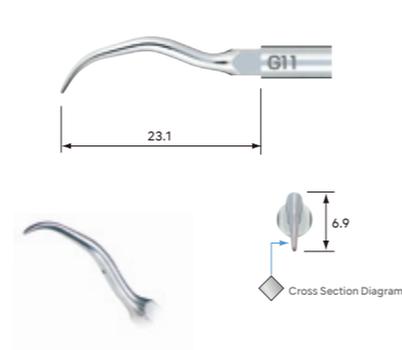
NSK Satelec MODEL G9 ORDER CODE Z217109



Single rooted / Multi rooted

## MODEL G11

- Removal of supra gingival calculus.



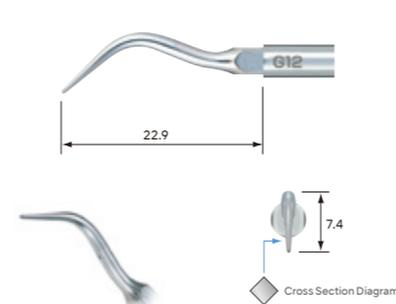
NSK Satelec MODEL G11 ORDER CODE Z217411



Single rooted / Multi rooted

## MODEL G12

- Removal of supra gingival calculus.



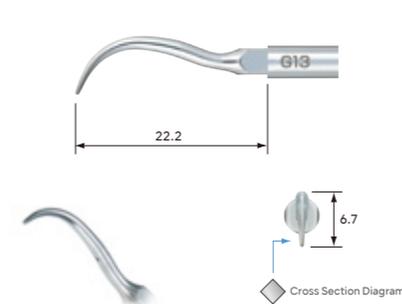
NSK Satelec MODEL G12 ORDER CODE Z217412



Single rooted / Multi rooted

## MODEL G13

- Removal of supra gingival calculus.



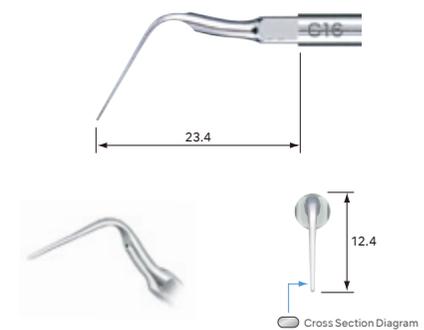
NSK Satelec MODEL G13 ORDER CODE Z217413



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 MODEL G16 ORDER CODE Z217120

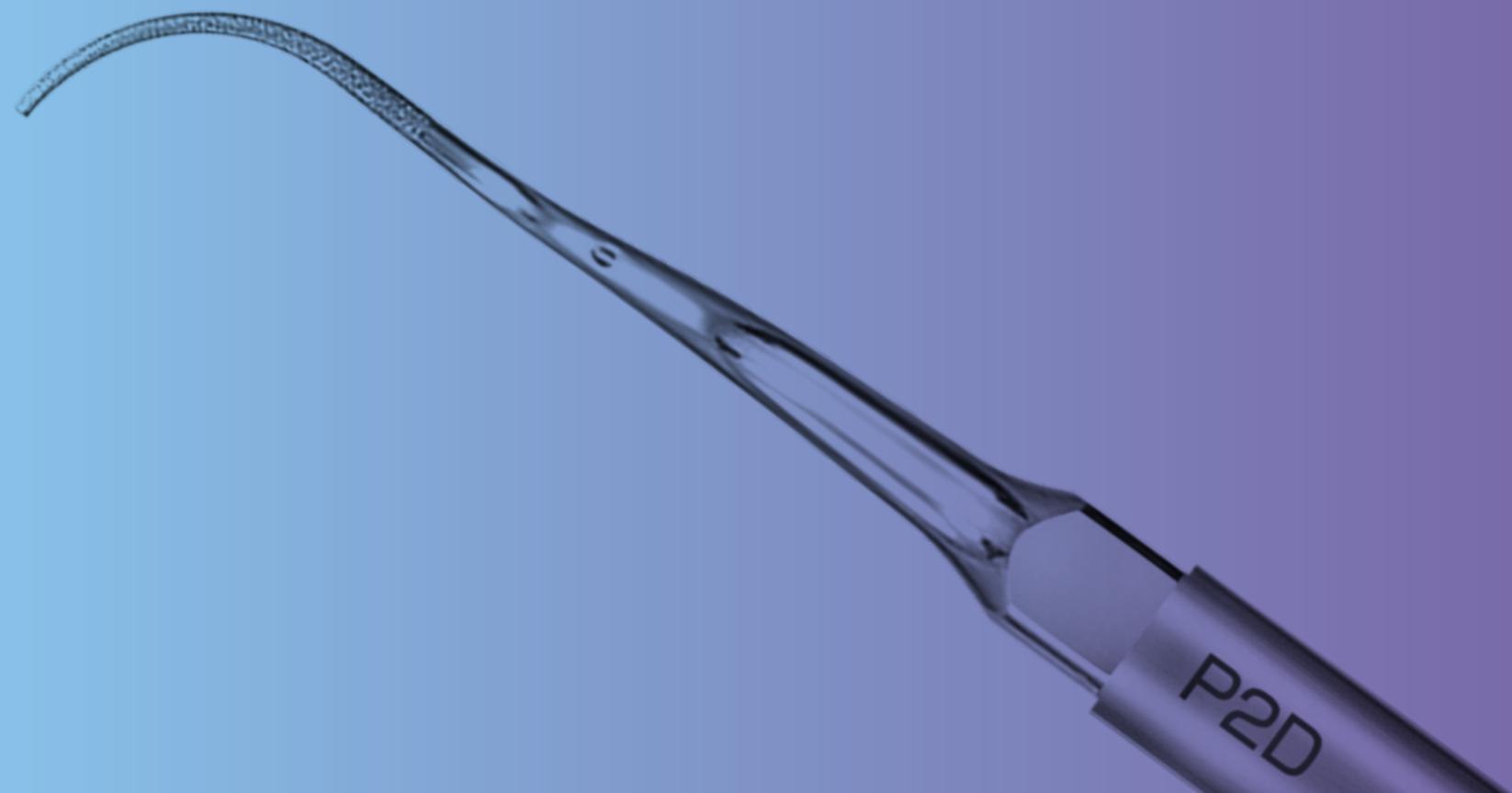


Single rooted / Multi rooted

\* 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.

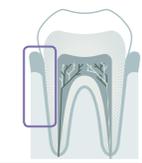
Refer to the power guide on pages 53-54.

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



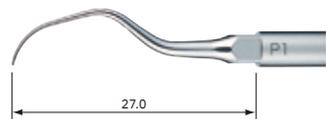
PERIO

# PERIO



## MODEL P1

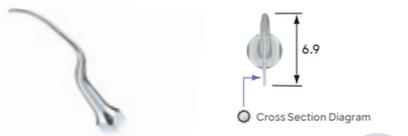
- Removal of calculus, narrow interdental space.
- Removal of sub gingival biofilm.



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

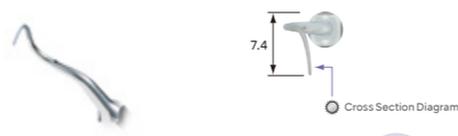
- Diamond coated



P1: Single rooted  
P1D: Single rooted / Multi rooted

## 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

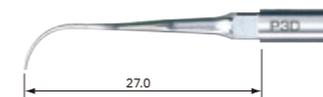
- Diamond coated
- Right curved type



Single rooted / Multi rooted

## MODEL P3D

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



NSK Satelec MODEL P3D ORDER CODE Z217403

- Diamond coated
- Left curved type

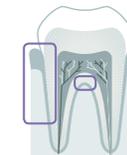


Single rooted / Multi rooted

P2D / P3D (From above)

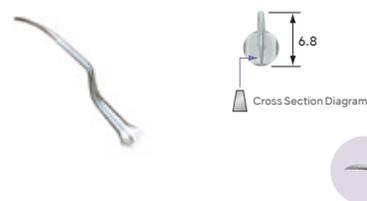
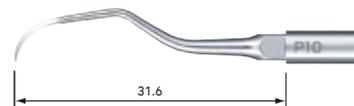


# PERIO



## MODEL P10

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



NSK Satelec<sup>®</sup> MODEL P10 ORDER CODE Z217410

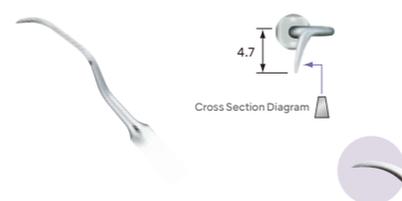
- Sharp edge



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.



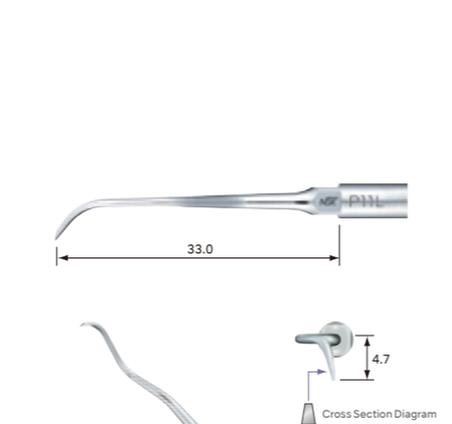
NSK Satelec<sup>®</sup> MODEL P11R ORDER CODE Z217408

- Sharp edge
- Right curved type



Single rooted / Multi rooted

## MODEL P11L



NSK Satelec<sup>®</sup> MODEL P11L ORDER CODE Z217409

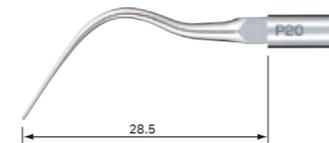
- Sharp edge
- Left curved type



Single rooted / Multi rooted

## MODEL P20

- Removal of subgingival biofilm.



NSK Satelec<sup>®</sup> MODEL P20 ORDER CODE Z217420

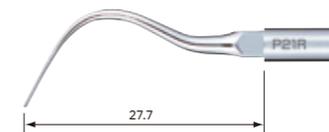
EMS<sup>®</sup> MODEL P20-E ORDER CODE Z291420



Single rooted / Multi rooted

## MODEL P21R

- Removal of subgingival biofilm.



NSK Satelec<sup>®</sup> MODEL P21R ORDER CODE Z217422

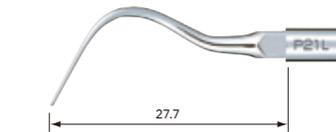
EMS<sup>®</sup> MODEL P21R-E ORDER CODE Z291422

- Right curved type



Single rooted / Multi rooted

## MODEL P21L



NSK Satelec<sup>®</sup> MODEL P21L ORDER CODE Z217421

EMS<sup>®</sup> MODEL P21L-E ORDER CODE Z291421

- Left curved type

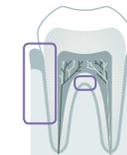


Single rooted / Multi rooted

\* 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.

Refer to the power guide on pages 53-54.

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



## MODEL P25R

- Removal of biofilm in the furcation areas.



NSK | Satelec® MODEL **P25R** ORDER CODE **Z217424**  
 EMS® MODEL **P25R-E** ORDER CODE **Z291424**

- Right curved type



Single rooted / Multirooted

## MODEL P25L



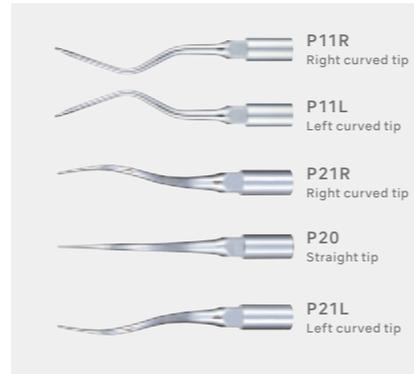
NSK | Satelec® MODEL **P25L** ORDER CODE **Z217425**  
 EMS® MODEL **P25L-E** ORDER CODE **Z291425**

- Left curved type



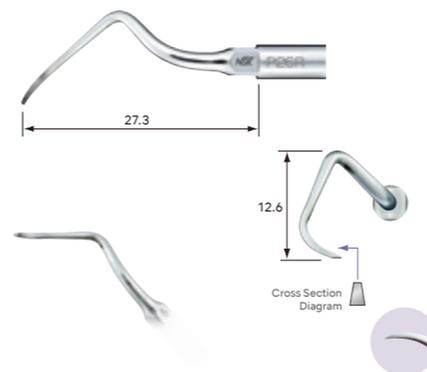
Single rooted / Multirooted

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



## MODEL P26R

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



NSK | Satelec® MODEL **P26R** ORDER CODE **Z217426**

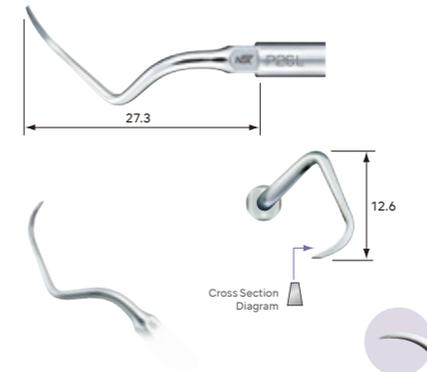
- Sharp edge
- Right curved type



Single rooted / Multirooted

## MODEL P26L

- Sharp edge
- Left curved type



NSK | Satelec® MODEL **P26L** ORDER CODE **Z217427**



Single rooted / Multirooted

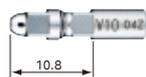
## P25R / P25L / P26R / P26L (From above)



# 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

For the maintenance of prostheses, implant-supported prostheses. These tips are made from a special material which will not damage prostheses and restorative materials.



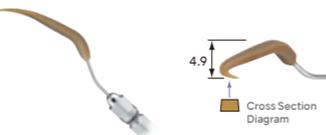
MODEL V-P10

ORDER CODE Y900184

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

## MODEL V-P11R

V-P11R/L left and right are double bent tips. This tip is extra long to easily access difficult to reach areas and to avoid interference with adjacent teeth or contours. Its shape was designed to best fit different tooth morphologies, making this a versatile tip for a wide range of uses from anterior teeth to premolars.



MODEL V-P11R

ORDER CODE Y1002165

- Pack of 3
- Right curved type
- \* V10 holder is not included



## MODEL V-P11L



MODEL V-P11L

ORDER CODE Y1002166

- Pack of 3
- Left curved type
- \* V10 holder is not included

## MODEL V-P12

V-P12 is a longer version of the popular V-P10 tip. It serves a wide range of applications, including the maintenance of implants and other prosthetic devices. Its shape offers easy access to all treatment areas.



MODEL V-P12

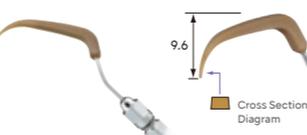
ORDER CODE Y1002167

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



## MODEL V-P26R

V-P26R/L is a double-bent tips. The wide angles offer access to areas that cannot be reached with V-P11R/L tips or other conventional instruments. These tips are ideally suited to access the distal surfaces of molars and corner areas as, the end of the tip fits tooth morphology very closely.



MODEL V-P26R

ORDER CODE Y1002168

- Pack of 3
- Right curved type
- \* V10 holder is not included



## MODEL V-P26L



MODEL V-P26L

ORDER CODE Y1002169

- Pack of 3
- Left curved type
- \* V10 holder is not included

## Starter Kit



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

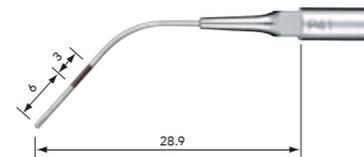
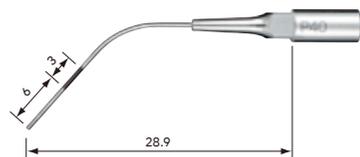
# PERIO (Irrigation and Cleaning)

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

MODEL **P40**

MODEL **P41**

• Safe to use in all pocket conditions and has 3mm to 6mm markings as guidance.



NSK Satelec<sup>®</sup> MODEL **P40** ORDER CODE **Z217550**

NSK Satelec<sup>®</sup> MODEL **P41** ORDER CODE **Z217555**

• Tip diameter  $\varnothing 0.6$  mm

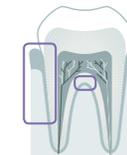
• Tip diameter  $\varnothing 0.8$  mm



### 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 **Perio Kit A**

MODEL **Perio Kit B**



NSK Satelec<sup>®</sup> MODEL **Perio Kit A** ORDER CODE **Y900144**

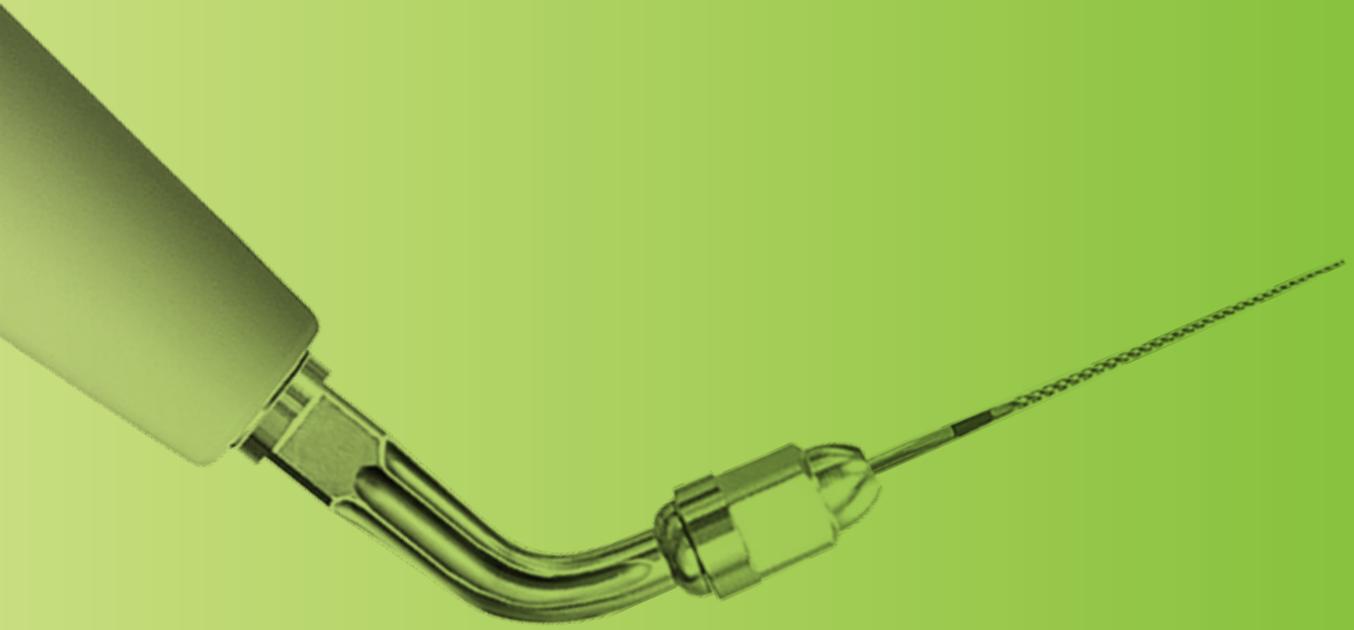
- P1D, P2D, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.

Refer to the power guide on pages 53-54.

NSK Satelec<sup>®</sup> MODEL **Perio Kit B** ORDER CODE **Y900145**

- P20, P25R, P25L : 1 pc. each
- Tip holder : 1 pc.

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



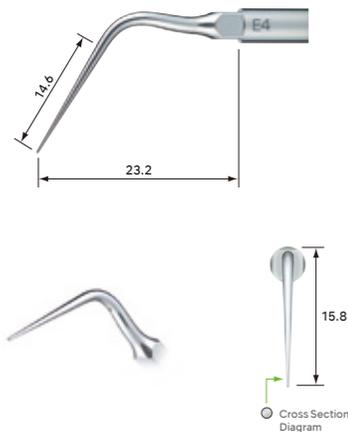
# ENDODONTICS

# ENDODONTICS



## MODEL E4

- Cleaning 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.

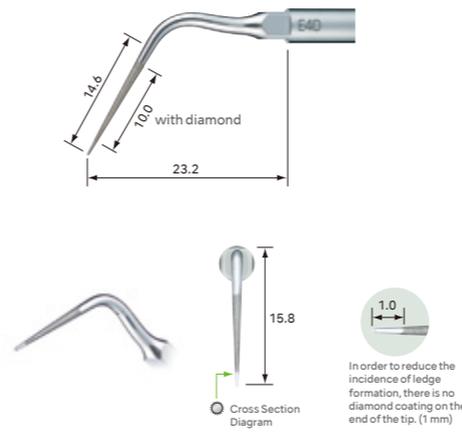


NSK | Satelec<sup>®</sup> MODEL E8 ORDER CODE Z217308

- 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

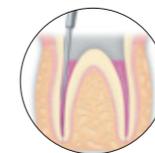
## MODEL E8D

- Root canal enlargement.



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

- Diamond coated



\* 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.

Refer to the power guide on pages 53-54.

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

# ENDODONTICS



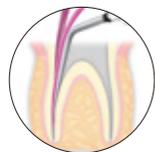
## MODEL E5

- Lateral condensation.



NSK Satelec MODEL E5 ORDER CODE Z217305

- Water not required



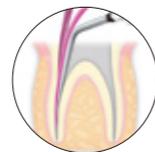
## MODEL E6

- 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.

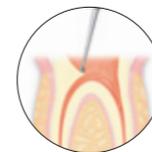
## MODEL E15D

- 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.

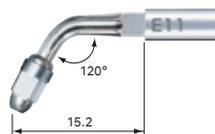
Satelec is a registered trademark of Satelec, a company of Acteon Group.

# ENDODONTICS



## MODEL E11

• 120° Angle Holder for U files

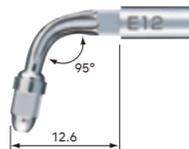


- For U files (Shank dia : 0.8 mm)
- For root canal cleaning
- For anterior teeth
- Includes E Tip replacement wrench
- \*File is optional

NSK Satelec MODEL E11 ORDER CODE Z217031

## MODEL E12

• 95° Angle Holder for U files



- For U files (Shank dia : 0.8 mm)
- For root canal cleaning
- For posterior teeth
- Includes E Tip replacement wrench
- \*File is optional

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

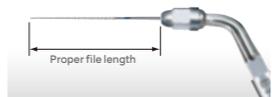
MODEL U files 33mm ISO 25 ORDER CODE Y900064  
• ISO 25 • Pack of 6

MODEL U files 33mm ISO 30 ORDER CODE Y900065  
• ISO 30 • Pack of 6

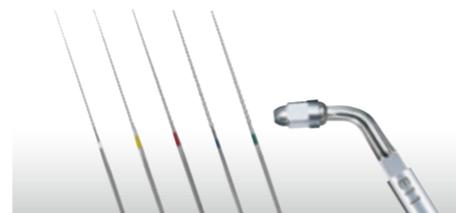
MODEL U files 33mm ISO 35 ORDER CODE Y900066  
• ISO 35 • Pack of 6

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

		ISO 15	ISO 20	ISO 25	ISO 30	ISO 35
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				



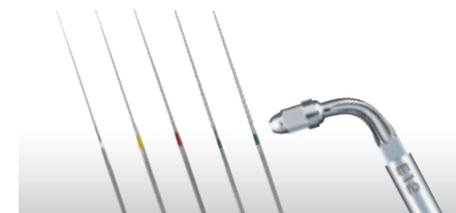
## MODEL Endo Kit E11 For anterior teeth



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

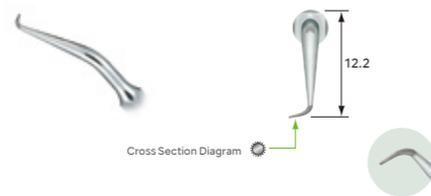
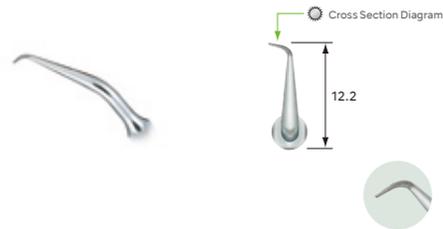
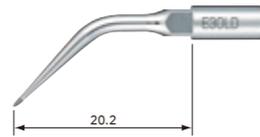
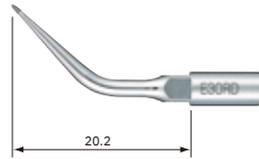
The microscopic diamond coated tip allows effective removal of dentin at the apex.  
2 types of angled tips (90°, 70°) are available for anterior teeth and another 2 types of curved tips (right and left) are available for molar teeth.



## MODEL E30RD

## MODEL E30LD

• Diamond coated tip allows efficient cavity preparation.



NSK Satelec<sup>®</sup> MODEL **E30RD** ORDER CODE **Z217212**

NSK Satelec<sup>®</sup> MODEL **E30LD** ORDER CODE **Z217213**

• Diamond coated • For posterior teeth (right angled)

• Diamond coated  
• For posterior teeth (left angled)

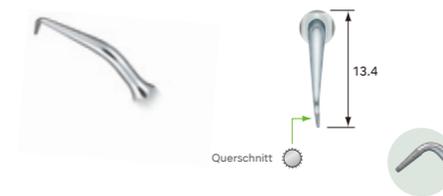
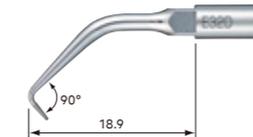
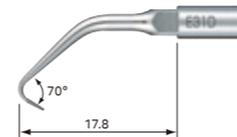


\* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is four times bigger than the actual size.

## MODEL E31D

## MODEL E32D

• Diamond coated tip allows efficient cavity preparation.



NSK Satelec<sup>®</sup> MODEL **E31D** ORDER CODE **Z217210**

NSK Satelec<sup>®</sup> MODEL **E32D** ORDER CODE **Z217211**

• Diamond coated  
• For anterior and posterior teeth (70°)

• Diamond coated  
• For anterior teeth (90°)

Refer to the power guide on pages 53-54.

## MODEL Retro Kit

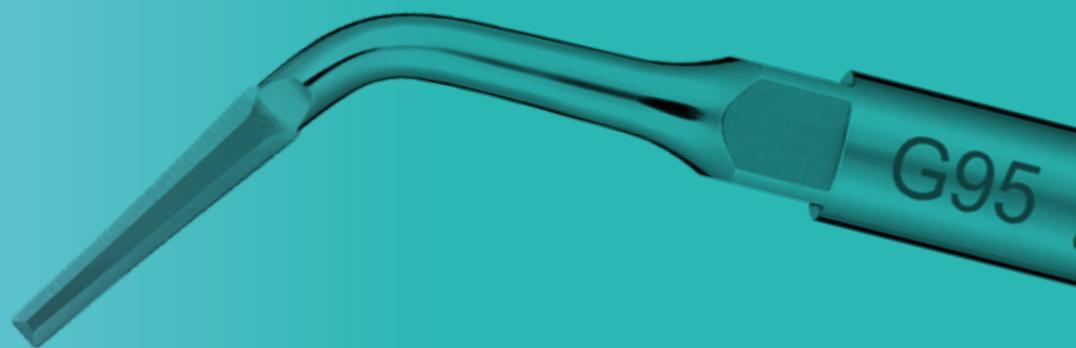


NSK Satelec<sup>®</sup> MODEL **Retro Kit** ORDER CODE **Y900149**

• E30RD, E30LD, E31D, E32D : 1 pc. each  
• Tip holder : 1 pc.

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

# EXTRACTION

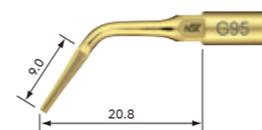


# EXTRACTION

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.



NSK MODEL **G95**

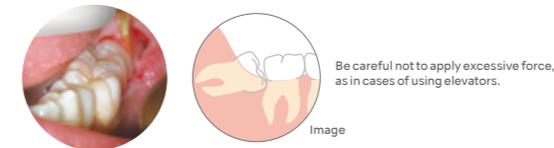
ORDER CODE **Z217705**

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

Root extraction (upper left No. 2 tooth removal)

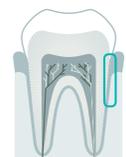


Impacted tooth (lower left No. 8 tooth removal)



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.



## Caution

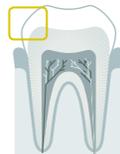


- Use of irrigation enhances performance.
- When used with Varios 970 choice of irrigation.
- Tip can be used on NSK ultrasonic units.

# 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

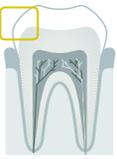
• Diamond coated



Refer to the power guide on pages 53-54.

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

# RESTORATIVE



## 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.



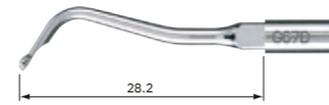
NSK Satelec MODEL G66D ORDER CODE Z217606

- Diamond coated



## MODEL G67D

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



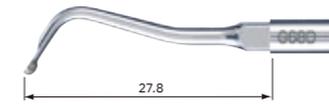
NSK Satelec MODEL G67D ORDER CODE Z217607

- 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<sup>®</sup> 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<sup>®</sup> MODEL **G22** ORDER CODE **Z217020**

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

## MODEL Tip Cap



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

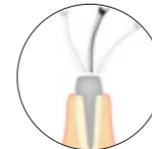
- For G21 / G22
- Pack of 10

## MODEL G26

- Post removal. (ø1.3 mm thickness)



NSK | Satelec<sup>®</sup> MODEL **G26** ORDER CODE **Z217206**



Refer to the power guide on pages 53-54.

## MODEL G28

- Amalgam condensation.

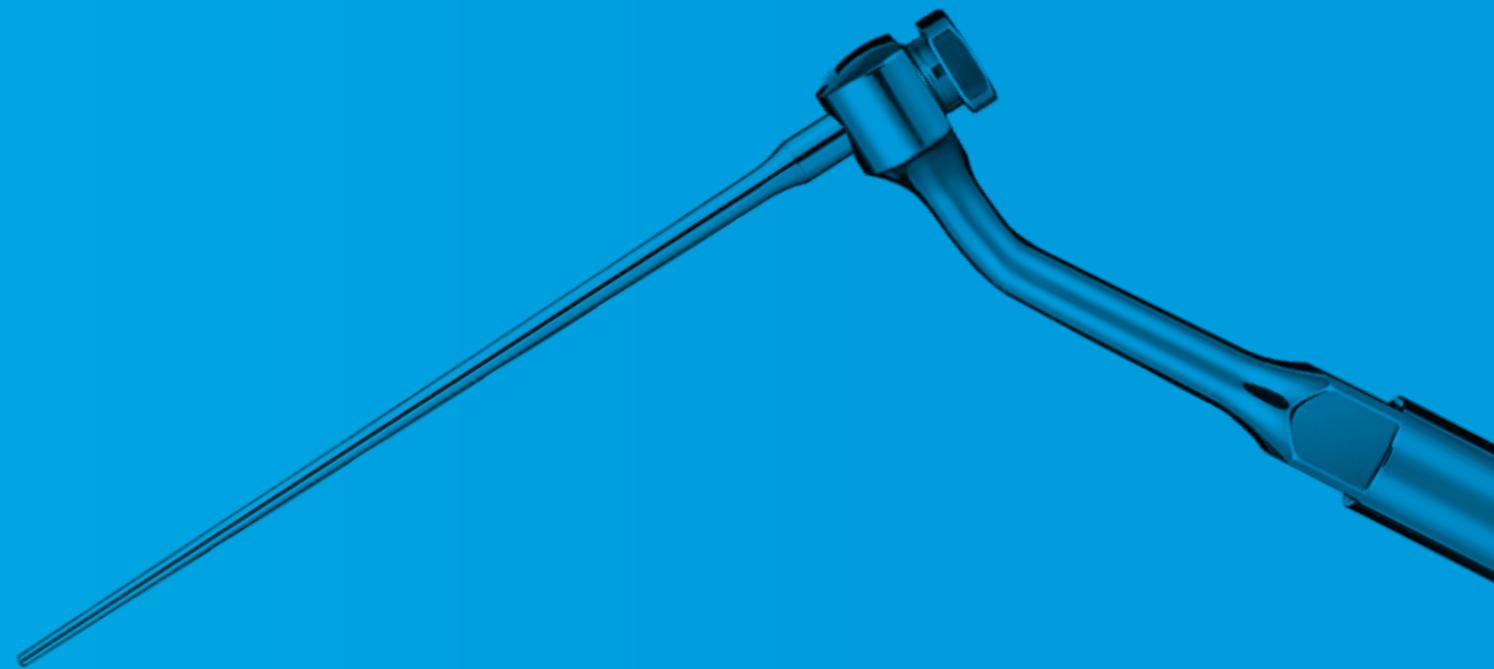


NSK | Satelec<sup>®</sup> MODEL **G28** ORDER CODE **Z217208**

- **Water not required**



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

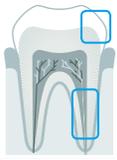
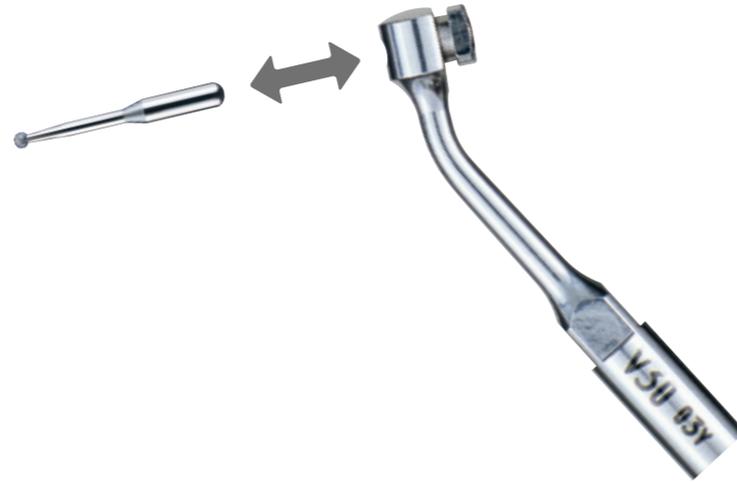
- Minimal damage to soft tissue
- Less risk of bleeding
- Cutting with ultrasonic instruments is minimally invasive

### 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

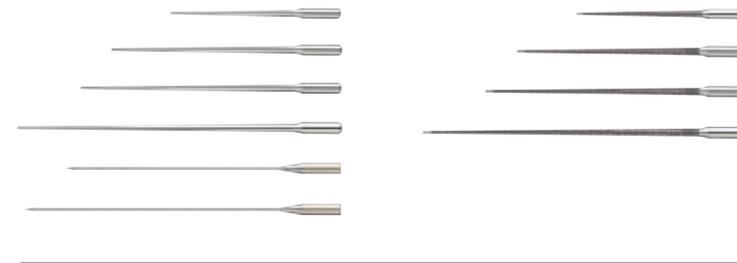
## Restorative Pages 49-52

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



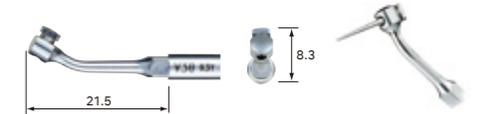
## Endodontics Pages 47-48

- For Root Canal Cleaning
- For Root Canal Enlargement



NSK Satelec®

MODEL **V30**



ORDER CODE **Z217030**

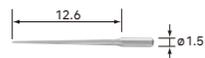
- Includes E Tip replacement wrench
- \*Tip is optional





## For Root Canal Cleaning

### MODEL V-S50



ORDER CODE **Y900169**

• For root canal cleaning 17 mm • Pack of 3

### MODEL V-N50



ORDER CODE **Y900182**

• Ni-Ti Irrigation 17 mm • Pack of 3

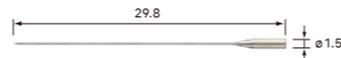
### MODEL V-S51



ORDER CODE **Y900170**

• For root canal cleaning 23 mm • Pack of 3

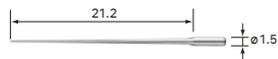
### MODEL V-N51



ORDER CODE **Y900183**

• Ni-Ti Irrigation 21 mm • Pack of 3

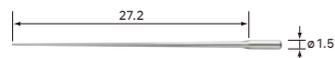
### MODEL V-S52



ORDER CODE **Y900171**

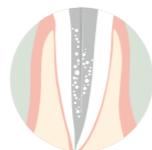
• For root canal cleaning 26 mm • Pack of 3

### MODEL V-S53



ORDER CODE **Y900172**

• For root canal cleaning 32 mm • Pack of 3



Root canal cleaning



Removal of broken files

## For Root Canal Enlargement

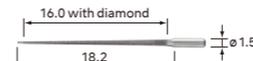
### MODEL V-S50D



ORDER CODE **Y900173**

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

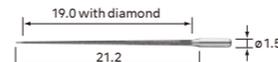
### MODEL V-S51D



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

### MODEL V-G70



ORDER CODE **Y900118**

• Diamond coated • Pack of 3

### MODEL V-G71



ORDER CODE **Y900119**

• Diamond coated • Pack of 3

### MODEL V-G72



ORDER CODE **Y900120**

• Diamond coated • Pack of 3



Cervical decay removal



Root decay removal

## For Minimal Intervention

### MODEL V-G75



ORDER CODE **Y900121**

• Diamond coated • Pack of 3

### MODEL V-G76



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		
<b>SCALING</b>				
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	–	–	–
<b>PERIO/MAINTENANCE</b>				
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		
<b>ENDODONTICS</b>				
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	–
<b>EXTRACTION</b>				
G95	G 10	–	–	–

TIP NO.	NSK		Satelec® P-Max XS P5 XS	EMS® Piezon Master 600 (miniMaster)
	Varios2 970/370	Varios 750/560/350		
<b>RESTORATIVE</b>				
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	–
<b>PROSTHETICS</b>				
G21	G 4	G 2	20	–
G22	G 4	G 2	20	–
G26	G 10	G Max	20	–
G28	G 10	G 2	20	–
<b>V-TIP (ENDODONTICS)</b>				
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	–	–
<b>V-TIP (RESTORATIVE)</b>				
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	–

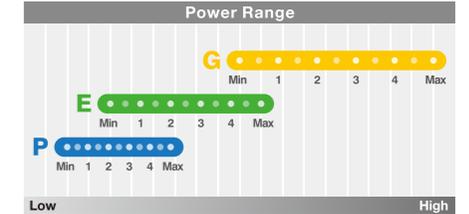
\*Figures in the power guide indicate the appropriate power range and maximum power level for each tip. Do not exceed the maximum power level to avoid possible tip breakage.

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

## Varios2



## Varios



### <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

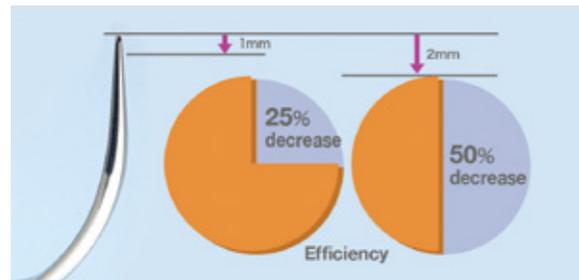
Ultrasonic scaler's tips wear through repeated use. Worn tips move differently to new tips and do not perform as effectively. To check the condition of the tip, use the Varios Tip Card.

## 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

**NAKANISHI INC.** [www.nsk-dental.com](http://www.nsk-dental.com)  
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan

**NSK Europe GmbH**  
Elly-Beinhorn-Strasse 8  
65760 Eschborn  
Germany

**NSK United Kingdom Ltd.**  
Office 4, Gateway 1000  
Arlington Business Park  
Whittle Way, Stevenage  
SG1 2FP, UK

**NSK Dental Nordic**  
Furstenbergsgatan 4  
416 64 Gothenburg  
Sweden

**NSK Oceania Pty. Ltd.**  
Unit 12, 809-821 Botany Road  
Rosebery NSW 2018  
Australia

**NSK Nakanishi Asia Pte. Ltd.**  
51 Changi Business Park Central 2  
#07-10 The Signature  
486066 Singapore

**NSK Middle East FZCO**  
Room 6EA701, 7th Floor  
East Wing No.6  
Dubai Airport Free Zone  
PO Box 54316, Dubai, UAE

Specifications are subject to change without notice.