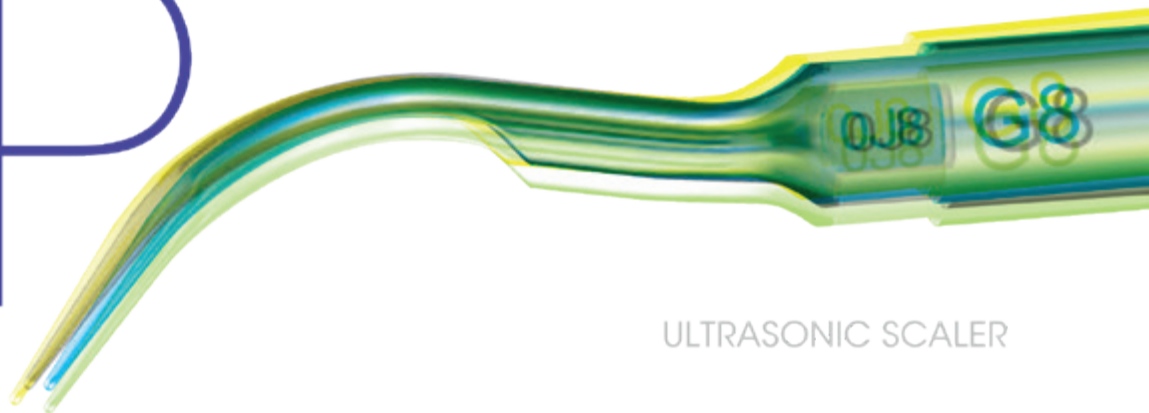


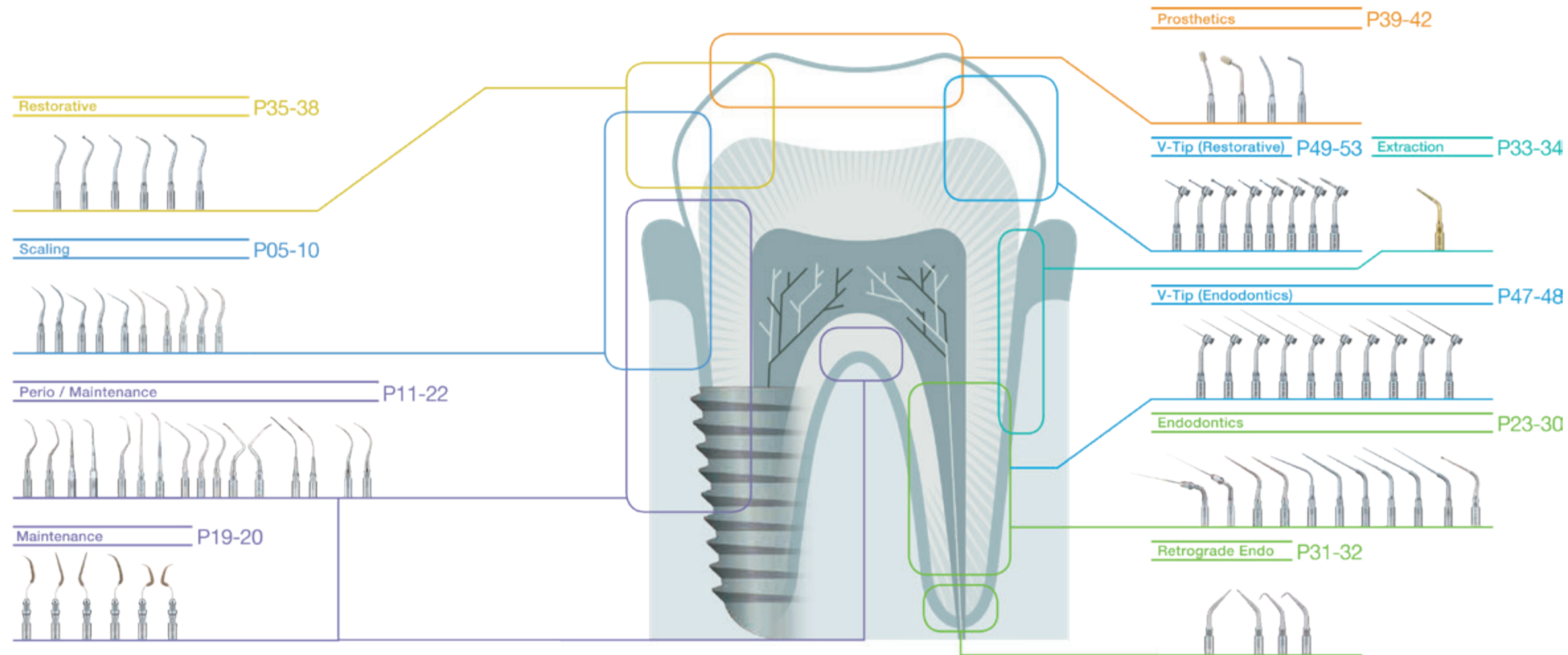
TIP



ULTRASONIC SCALER

GUIDE

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

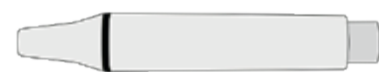
NSK Varios Optic Handpiece
Optic (VA-LUX-HP)



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



Satelec® Ultrasonic
Scaler Handpieces



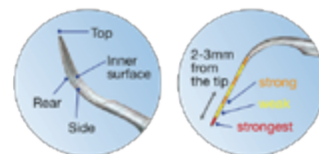
EMS® Ultrasonic
Scaler Handpieces

The key points for correct usage of the ultrasonic scaler

Tartar 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:

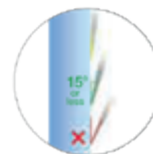
1 Correct application of the tip to a tooth

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.



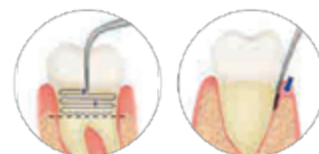
2 The angle of the tip

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. Consequently leads to sensitivity on the tooth and discomfort for the patient.



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 tartar, the end of the tip should be applied as this has sufficient power to "crack the tartar" by attacking where the tartar 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.



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.



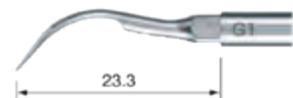
SCALING

SCALING

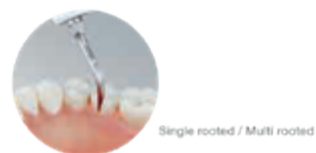


MODEL G1

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



NSK Satelec® MODEL G1 ORDER CODE Z217101
EMS® MODEL G1-E ORDER CODE Z291101



Single rooted / Multi rooted

MODEL G2

- Removal of supra gingival tartar.



NSK Satelec® MODEL G2 ORDER CODE Z217102
EMS® MODEL G2-E ORDER CODE Z291102



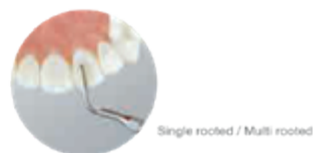
Single rooted / Multi rooted

MODEL G3

- Removal of supra gingival tartar.



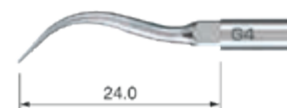
NSK Satelec® MODEL G3 ORDER CODE Z217103
EMS® MODEL G3-E ORDER CODE Z291103



Single rooted / Multi rooted

MODEL G4

- Removal of supra gingival tartar.
- Removal of marginal gingival tartar.



NSK Satelec® MODEL G4 ORDER CODE Z217104
EMS® MODEL G4-E ORDER CODE Z291104



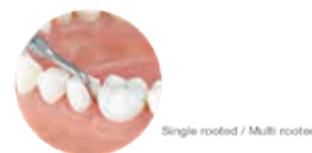
Single rooted / Multi rooted

MODEL G5

- Removal of supra gingival tartar.
- Removal of tartar, narrow interdental space.
- Removal of marginal gingival tartar.
- Removal of gingival biofilm under natural tooth.



NSK Satelec® MODEL G5 ORDER CODE Z217105



Single rooted / Multi rooted

MODEL G6

- Removal of supra gingival tartar.
- Removal of tartar, narrow interdental space.
- Removal of marginal gingival tartar.
- Removal of gingival biofilm under natural tooth.



NSK Satelec® MODEL G6 ORDER CODE Z217106
EMS® MODEL G6-E ORDER CODE Z291106



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 55-56.

Satelec® is registered trademarks of Acteon SA, France. EMS® is registered trademarks of Electro Medical Systems SA, Switzerland.

SCALING



MODEL G8

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



NSK Satelec® MODEL G8 ORDER CODE Z217108



Single rooted / Multi rooted

MODEL G9

- Removal of supra gingival tartar.
- Removal of tartar, narrow interdental space.
- Removal of marginal gingival tartar.
- Removal of gingival biofilm under natural tooth.



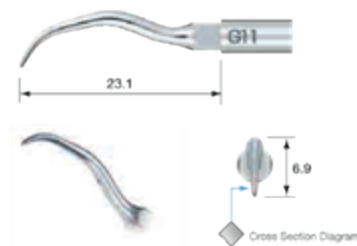
NSK Satelec® MODEL G9 ORDER CODE Z217109



Single rooted / Multi rooted

MODEL G11

- Removal of supra gingival tartar.



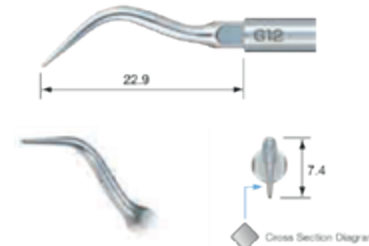
NSK Satelec® MODEL G11 ORDER CODE Z217411



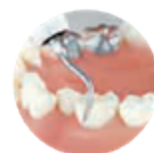
Single rooted / Multi rooted

MODEL G12

- Removal of supra gingival tartar.



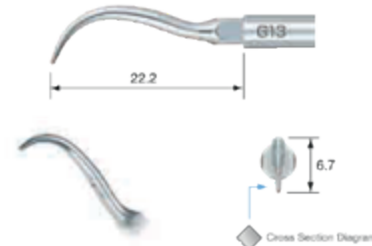
NSK Satelec® MODEL G11 ORDER CODE Z217412



Single rooted / Multi rooted

MODEL G13

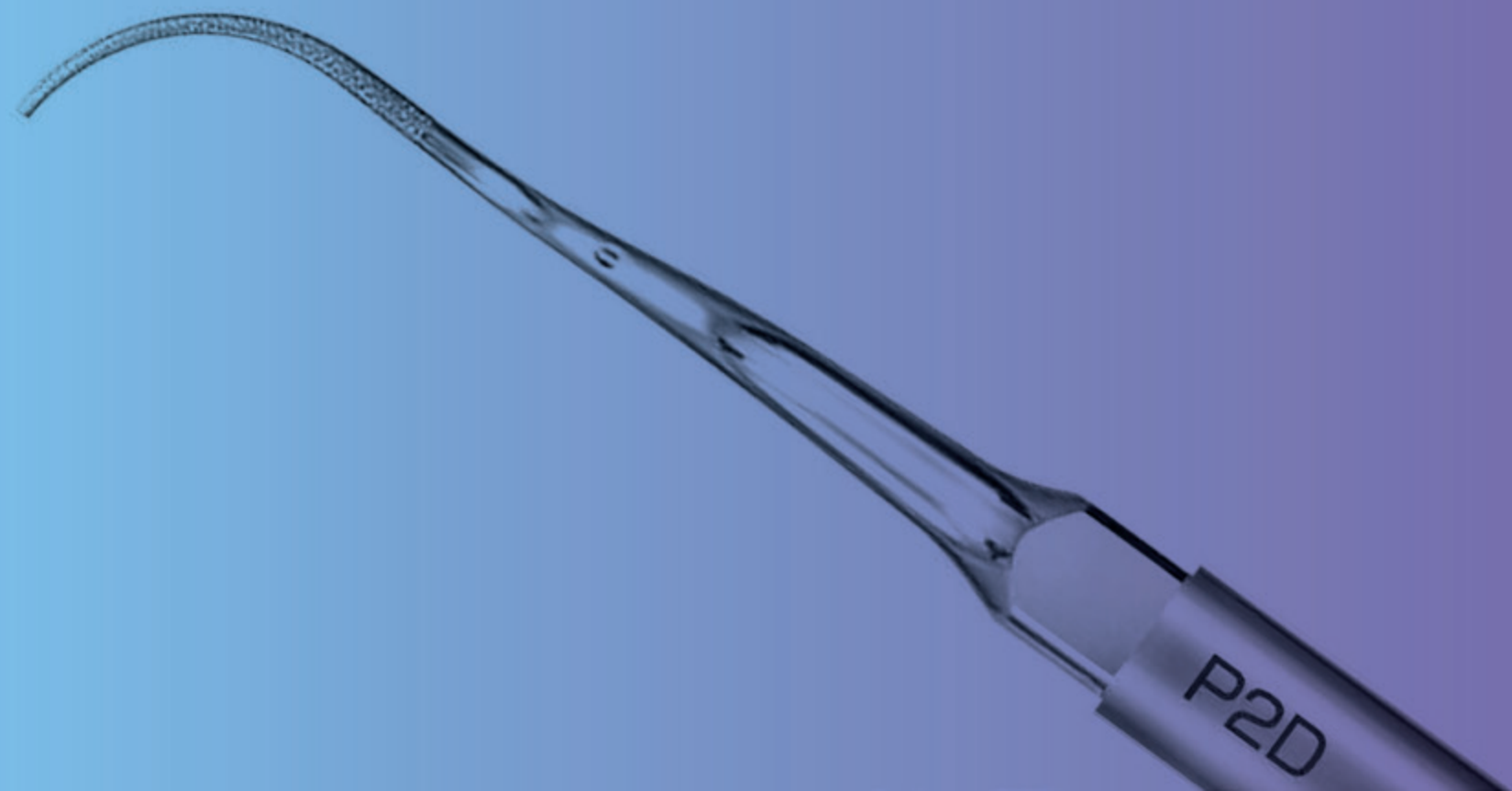
- Removal of supra gingival tartar.



NSK Satelec® MODEL G11 ORDER CODE Z217413



Single rooted / Multi rooted

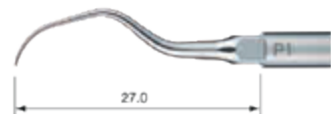


PERIO



MODEL P1

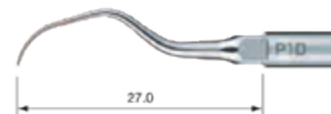
- Removal of tartar, narrow interdental space.
- Removal of gingival biofilm.



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

MODEL P1D

- Removal of tartar, narrow interdental space.
- Removal of tartar in deep pockets.
- Debridement of abscess.
- Spalling wall internal pocket.



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

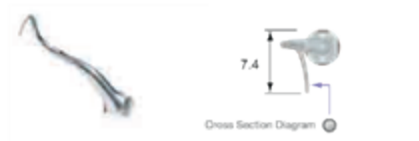
- Diamond coated



P1: Single rooted
P1D: Single rooted / Multi rooted

MODEL P2D

- Removal of tartar, narrow interdental space.
- Removal of tartar in deep pockets.
- Debridement of abscess.
- Peeling wall internal pocket.



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

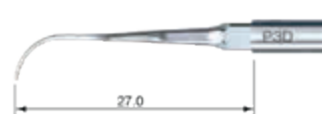
- Diamond coated
- Right curved type



Single rooted / Multi rooted

MODEL P3D

- Removal of tartar, narrow interdental space.
- Removal of tartar in deep pockets.
- Debridement of abscess.
- Peeling wall internal pocket.



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

- Diamond coated
- Left curved type



Single rooted / Multi rooted

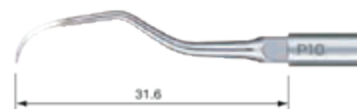
P2D / P3D (From above)





MODEL P10

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



NSK Satelec[®] MODEL P10 ORDER CODE Z217410

- Sharp edge



Single rooted / Multi rooted

MODEL P11R

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



NSK Satelec[®] MODEL P11R ORDER CODE Z217408

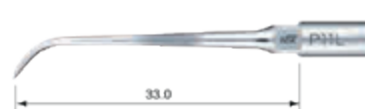
- Sharp edge
- Right curved type



Single rooted / Multi rooted

MODEL P11L

- Removal of supra gingival tartar.
- Removal of tartar narrow interdental space.
- Removal of tartar in deep gingival.
- Removal of gingival biofilm.
- Removal of Biofilm furcation area.
- Debridement of furcations.



NSK Satelec[®] MODEL P11L ORDER CODE Z217409

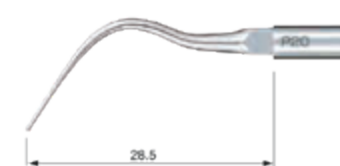
- Sharp edge
- Left curved type



Single rooted / Multi rooted

MODEL P20

- Removal of gingival biofilm.



NSK Satelec[®] MODEL P20 ORDER CODE Z217420

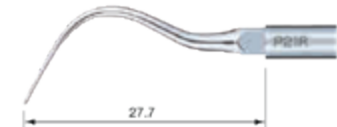
EMS[®] MODEL P20-E ORDER CODE Z291420



Single rooted / Multi rooted

MODEL P21R

- Removal of gingival biofilm.



NSK Satelec[®] MODEL P21R ORDER CODE Z217422

EMS[®] MODEL P21R-E ORDER CODE Z291422

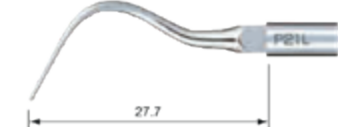
- Right curved type



Single rooted / Multi rooted

MODEL P21L

- Removal of gingival biofilm.



NSK Satelec[®] MODEL P21L ORDER CODE Z217421

EMS[®] 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 55-56.

* Satelec[®] is registered trademarks of Acteon SA, France. EMS[®] is registered trademarks of Electro Medical Systems SA, Switzerland.



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 / Multi rooted

MODEL P25L

- Left curved type



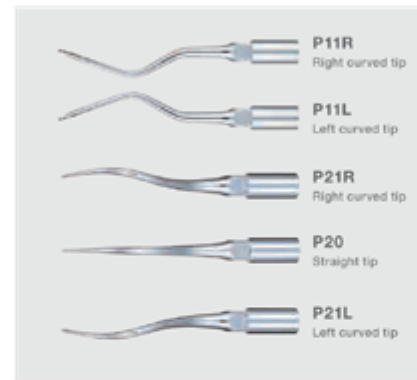
NSK Satelec® MODEL **P25L** ORDER CODE **Z217425**
 EMS® MODEL **P25L-E** ORDER CODE **Z291425**

- Left curved type



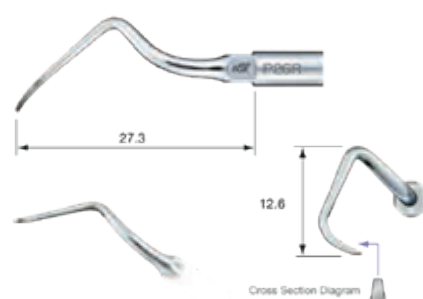
Single rooted / Multi rooted

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



MODEL P26R

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



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

- Sharp edge
- Right curved type



Single rooted / Multi rooted

MODEL P26L

- Sharp edge
- Left curved type



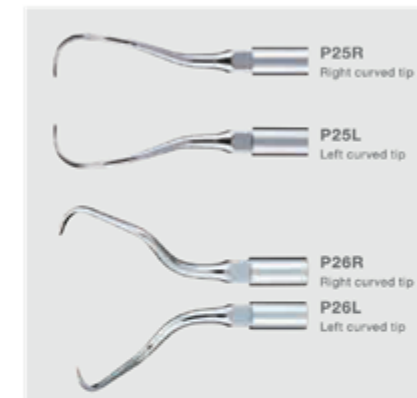
NSK Satelec® MODEL **P26L** ORDER CODE **Z217427**

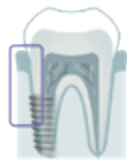
- Sharp edge
- Left curved type



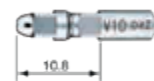
Single rooted / Multi rooted

P25R / P25L / P26R / P26L (From above)





MODEL V10



MODEL **V10** ORDER CODE **Z217041**

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

MODEL V-P10

For the maintenance of implants. Produced from special material to allow safe debridement without causing damage to implants.



MODEL **V-P10** ORDER CODE **Y900184**

- Pack of 3
- * V10 holder is not included



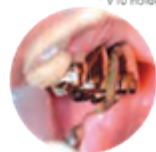
MODEL V-P11R

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.



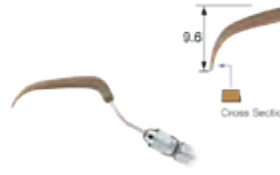
MODEL **V-P12** ORDER CODE **Y1002167**

- 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



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

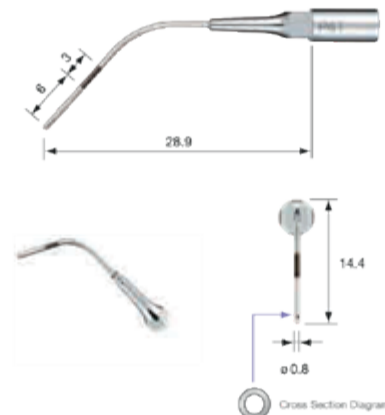
PERIO (Irrigation and Cleaning)

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

MODEL **P40**

MODEL **P41**

- Safe to use regardless of the pocket condition due to the marking guideline of 3 mm from the position of 6 mm.

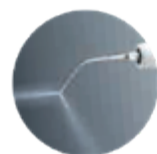


NSK Satelec MODEL **P40** ORDER CODE **Z217550**

NSK Satelec MODEL **P41** ORDER CODE **Z217555**

- Tip diameter ϕ 0.6 mm

- Tip diameter ϕ 0.6 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 MODEL **Perio Kit A** ORDER CODE **Y900144**

NSK Satelec MODEL **Perio Kit B** ORDER CODE **Y900145**

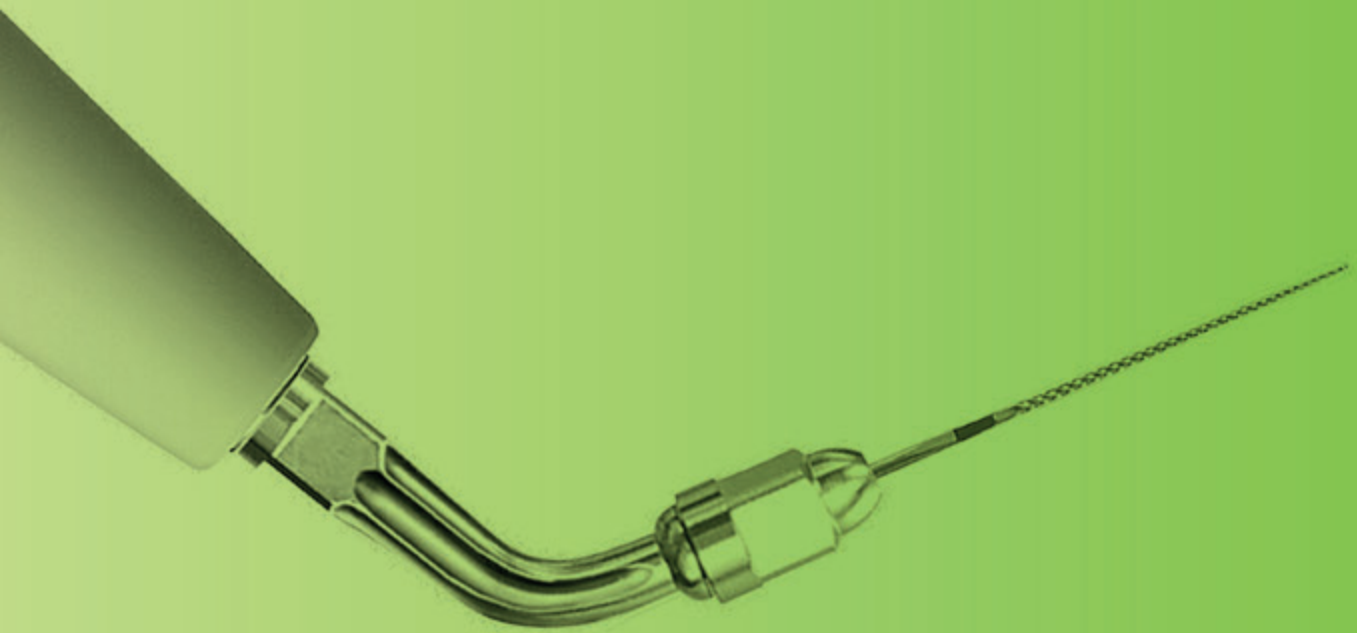
- P10, P20, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.

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

Refer to the power guide on pages 55-56.

* Satelec® is registered trademarks of Acteon SA, France.

ENDODONTICS





MODEL E4

• Root canal cleaning and removal of foreign material.



NSK Satelec® MODEL E4 ORDER CODE Z217428

• Tip diameter a 0.6 mm

MODEL E7

• Removal of filling and foreign material.



NSK Satelec® MODEL E7 ORDER CODE Z217307

• Water not required

MODEL E8

• Removal of filling and foreign material.



NSK Satelec® MODEL E8 ORDER CODE Z217308

• Water not required

MODEL E4D

• Root canal cleaning and root canal enlargement.



NSK Satelec® MODEL E4D ORDER CODE Z217528

• Diamond coated

MODEL E7D

• Enlargement of root canal wall.



NSK Satelec® MODEL E7D ORDER CODE Z217317

• Diamond coated

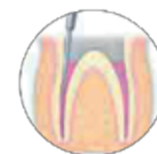
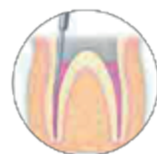
MODEL E8D

• Enlargement of root canal wall.



NSK Satelec® 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 55-56.

* Satelec® is registered trademarks of Acteon SA, France.



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

• For locating root canals and removal of calcifications.



NSK Satelec MODEL E15D ORDER CODE Z217319

• Diamond coated



Refer to the power guide on pages 55-56.

* Satelec® is registered trademarks of Acteon SA, France.

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 Ufiles 33 mm / #15 ORDER CODE Y900062

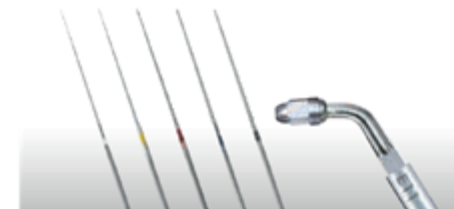
MODEL Ufiles 33 mm / #20 ORDER CODE Y900063

MODEL Ufiles 33 mm / #25 ORDER CODE Y900064

MODEL Ufiles 33 mm / #30 ORDER CODE Y900065

MODEL Ufiles 33 mm / #35 ORDER CODE Y900066

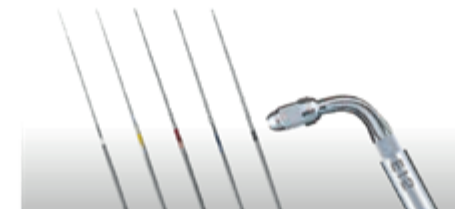
MODEL Endo Kit E11 For anterior teeth



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 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

MODEL Endo Kit E12 For anterior teeth

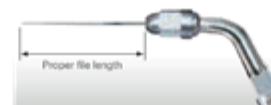


NSK Satelec MODEL Endo Kit E12 ORDER CODE Y900147

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

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

	#15	#20	#25	#30	#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	21-25 mm	21-25 mm	21-25 mm	21-25 mm



* 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.

RETROGRADE ENDO

The microscopic diamond coated tip allows effective removal of dentin at the apex.

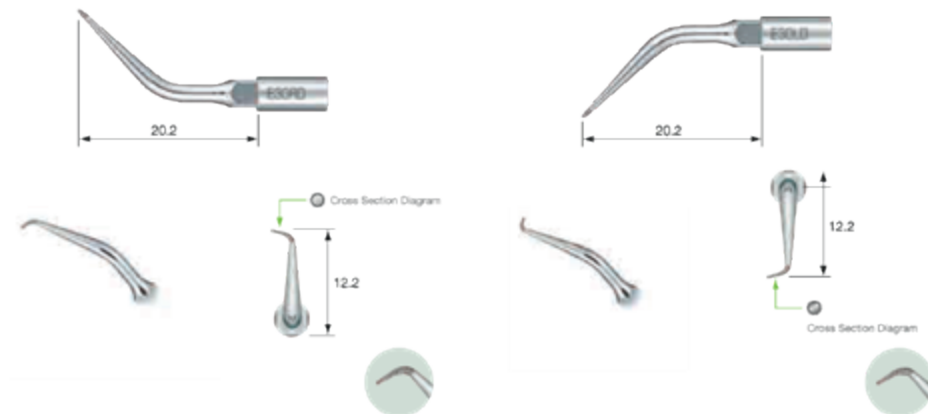
2 types of angled tips (90°, 70°) are available for anterior teeth and another 2 types of curved tips (right and left) are available for molar teeth.



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)

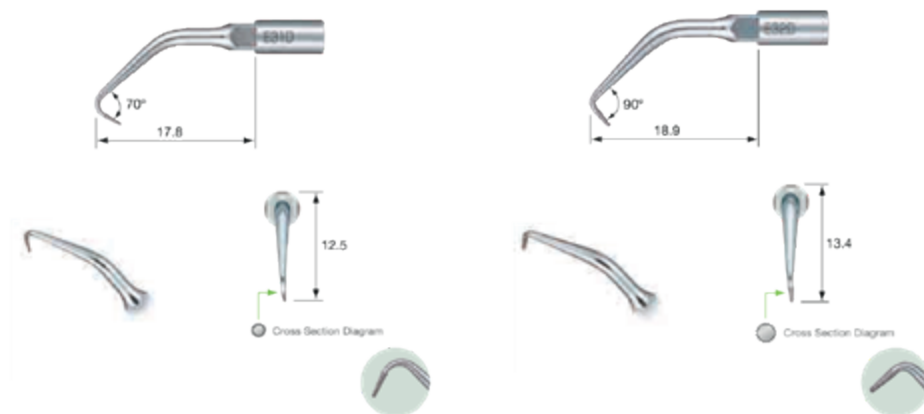
- Diamond coated
- For posterior teeth (left angled)



MODEL E31D

MODEL E32D

- 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°)

MODEL Retro Kit

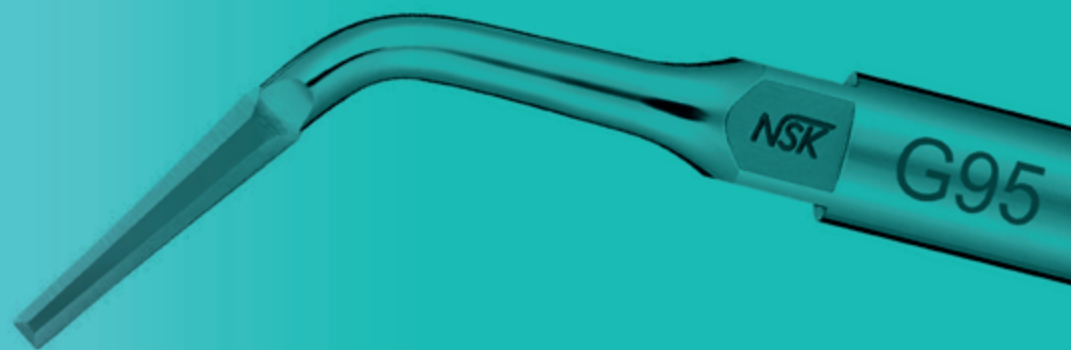


NSK Satelec®

MODEL Retro Kit ORDER CODE Y900149

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

EXTRACTION



EXTRACTION

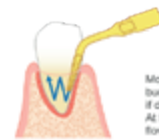
Periodontal membrane removal Tip.

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 • 0.7mm 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)



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

Refer to the power guide on pages 55-56.

* 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



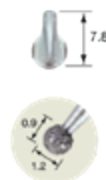
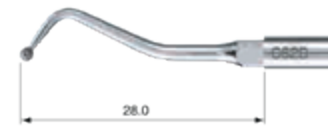
RESTORATIVE



MODEL **G61D**

MODEL **G62D**

• Diamond coated ball ended tip. Bleeding occurs rarely.



NSK Satelec[®] MODEL **G61D** ORDER CODE **Z217601**

NSK Satelec[®] MODEL **G62D** ORDER CODE **Z217602**

• Diamond coated

• Diamond coated





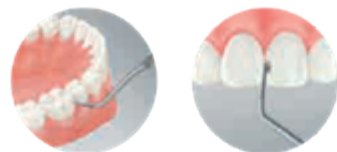
MODEL G65D

- 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



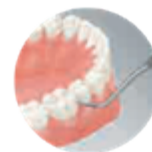
MODEL G67D

- For molar, interdental proximal caries. The hemispherical top of the tip does not allow cutting of sound tooth.



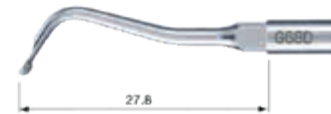
NSK Satelec® MODEL **G67D** ORDER CODE **Z217607**

• Diamond coated



MODEL G68D

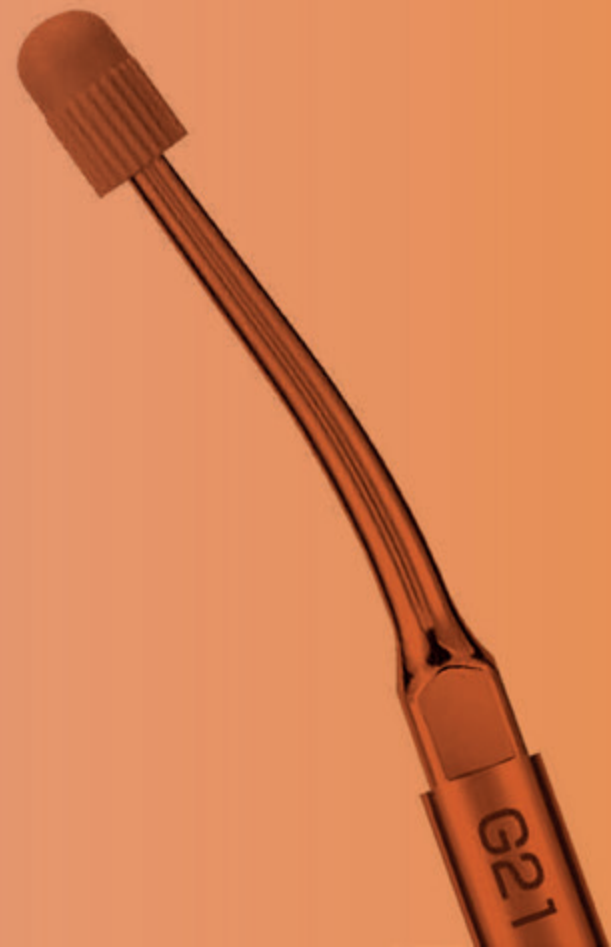
- For anterior proximal caries. Only decayed dentin can be removed as per for molars.



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

• Diamond coated





PROSTHETICS

PROSTHETICS

Condensation / Loosening / Plugging



MODEL G21

- Cementing of small prosthesis ie inlays, veneers anterior area.



NSK Satelec MODEL G21 ORDER CODE Z217010

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



MODEL G22

- Cementing of onlays or crowns posterior area.



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
- Autoclavable

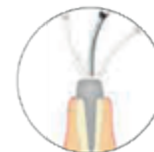


MODEL G26

- Post removal. (ø1.3 mm thickness)



NSK Satelec MODEL G26 ORDER CODE Z217206



Refer to the power guide on pages 55-56.

MODEL G28

- Amalgam condensation.

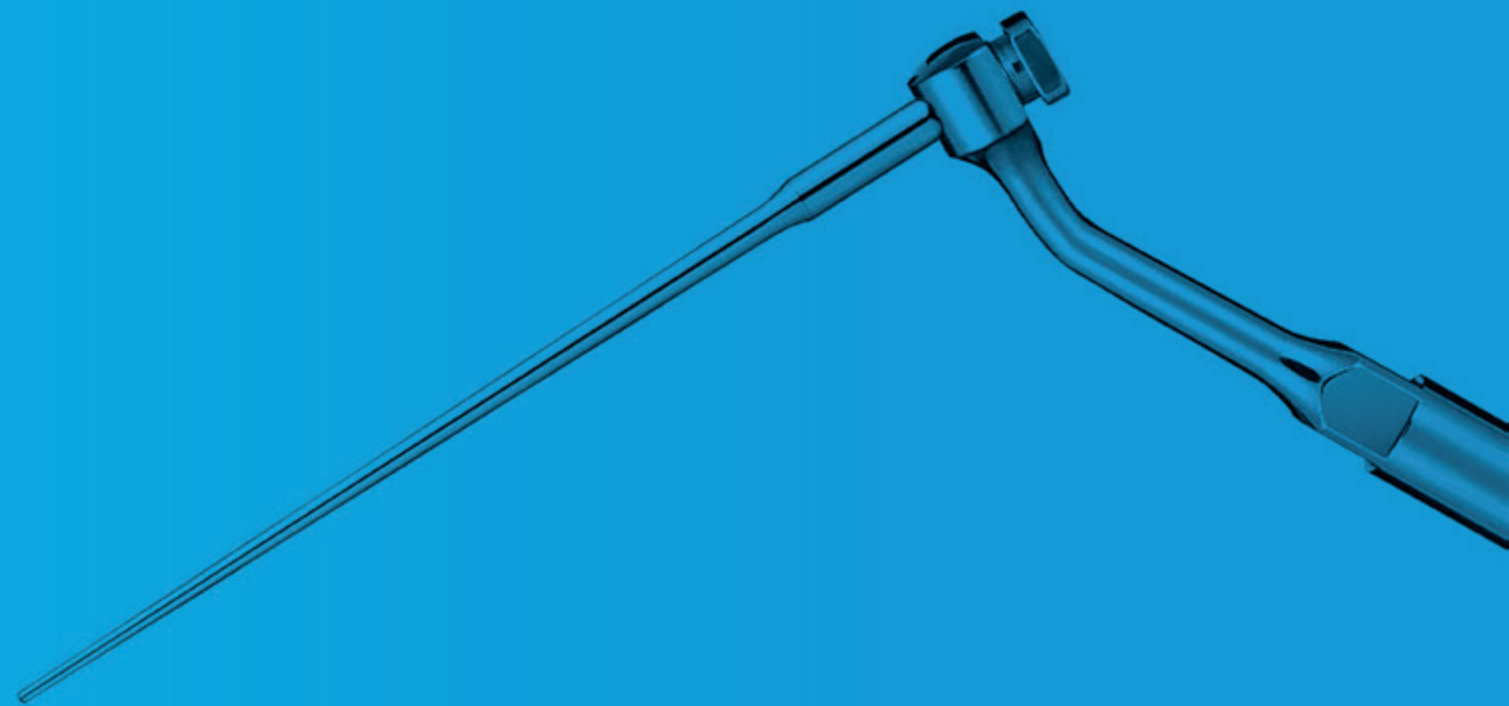


NSK Satelec MODEL G28 ORDER CODE Z217208

- 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

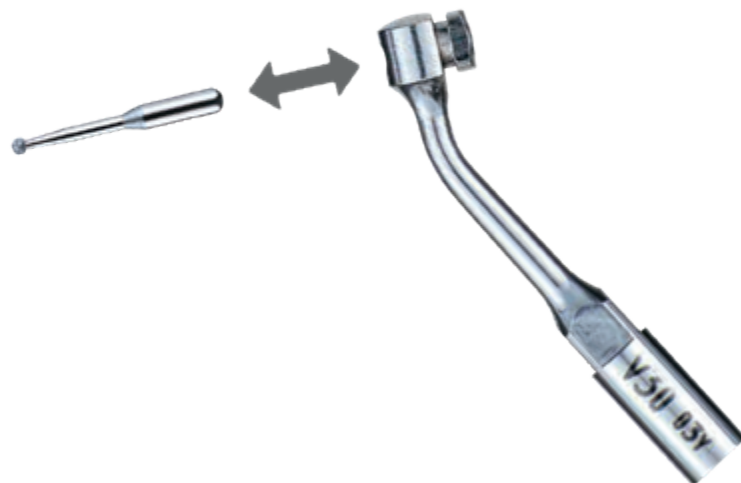
- Minimal damage to soft tissue
- Less risk of bleeding
- Cutting with ultrasonic instruments is minimally invasive

Economical

- One tip - Replaceable inserts
- Inserts are inexpensive

Ease of Use

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

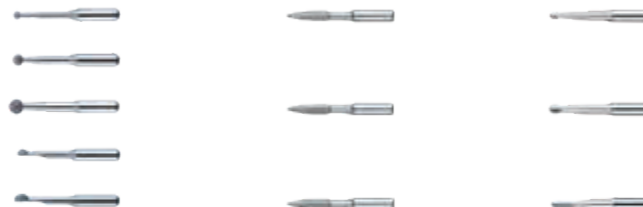


V-TIP System Line Up



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



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



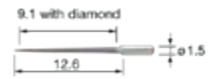
Root canal cleaning



Removal of broken files

For Root Canal Enlargement

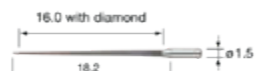
MODEL **V-S50D**



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**

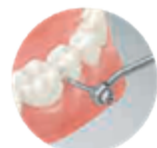
• Diamond coated • Pack of 3

MODEL V-G76



ORDER CODE **Y900122**

• Diamond coated • Pack of 3



Contact surface of tooth decay removal



Root decay removal

Refer to the power guide on pages 55-56.

* Satelec® is registered trademarks of Acteon SA, France.

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**

• Includes E Tip replacement wrench *Tip is optional



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**

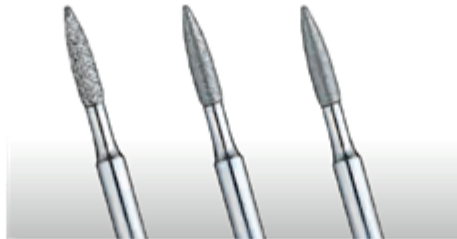
• Stainless tip • Pack of 3



MODEL **Assorted Tip Kit**
(For Minimal Intervention)



MODEL **Assorted Tip Kit**
(For Finishing / Trimming / Polishing)



MODEL **Assorted Tip Kit**
(For Caries Removal)



MODEL **Assorted Tip Kit** ORDER CODE **Y900158**

• V-G70, V-G71, V-G72, V-G75, V-G76 : 1 pc. each

MODEL **Assorted Tip Kit** ORDER CODE **Y900168**

• V-G77, V-G78, V-G79 : 1 pc. each

MODEL **Assorted Tip Kit** ORDER CODE **Y900164**

• V-S1, V-S3, V-S33 : 1 pc. each

POWER GUIDE

TIP NO.	NSK		Satelec® P-Max XS PS XS	EMS® Piezon Master 030 (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	-
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	-
P10	P 10	P Max	5	-

TIP NO.	NSK		Satelec® P-Max XS PS XS	EMS® Piezon Master 030 (miniMaster)
	Varios2 970/370	Varios 750/560/350		
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	-

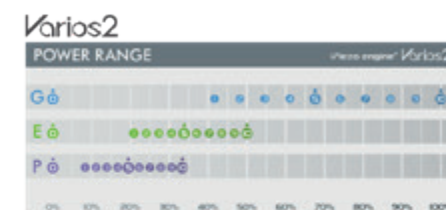
TIP NO.	NSK		Satelec® P-Max XS PS XS	EMS® Piezon Master 030 (miniMaster)
	Varios2 970/370	Varios 750/560/350		
ENDODONTICS				
E4	E 6	E 3	5	-
E4D	E 7	E 3	5	-
E5	E 10	E 3	5	-
E6	E 10	E 4	5	-
E7	E 6	E Max	5	-
E7D	E 6	E Max	5	-
E8	E 2	E 4	5	-
E8D	E 2	E 4	5	-
E15D	E 6	E 3	5	-
E11	E 4	E 3	5	-
E12	E 3	E 3	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 PS XS	EMS® Piezon Master 030 (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 PS XS	EMS® Piezon Master 030 (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-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.

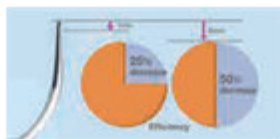
*Incorrect operation may cause tip breakage even if tip is used within the recommended power range. Consult the operating manual before use.

Satelec® & P-Max are registered trademarks of Acteon SA, France. EMS®, Piezon & miniMaster are registered trademarks of Electro Medical Systems SA, Switzerland.

The Varios Tip Card

- Easy to use guide to assess tip wear

Ultrasonic scaler's tips wear through repeated use. Worn tips swing 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



*The Tip Card can be used to check the following tips : G1, G4, G6, G8, G9, P1/P1D, P10, and P20

Tip Replacement Wrench with Torque Limiter

For tips G1- G88D, G95, P1- P41, E15D, E30RD, E30LD, E31D, E32D and V-tip replaceable inserts.
*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 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.

