

Create it 

TIP GUIDE

ULTRASONIC BONE
SURGERY



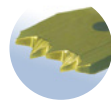
NSK

SURG		
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*Pictures provided by Yasuhiro Kizu, D.D.S., Ph.D.
OMFC (ORAL & MAXILLOFACIAL CARE CLINIC YOKOHAMA)

VARIOSURG TIP LINEUP

- SURG** SURG mode for bone surgery
- PERIO** PERIO mode for maintenance
- ENDO** ENDO mode for root canal treatment



The tips are designed to preserve tissue, maintain cutting speed and easily cut into bone. Saw like teeth on an uneven blade edge enhances bone cutting. This also reduces clogging to maintain cutting speed.

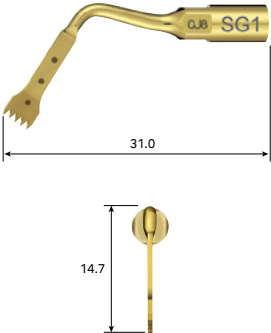
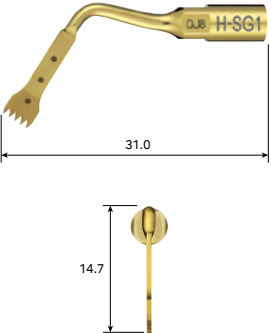
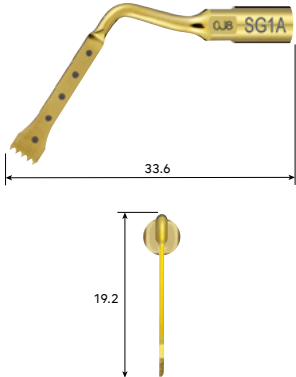
BONE SURGERY	BONE SURGERY (MAXI REACH)	SCRAPER	EXTRACTION
SOCKET LIFT (CRESTAL APPROACH)	IMPLANT PREPARATION	SINUS LIFT	SINUS MEMBRANE DETACHMENT
SCALING	PERIO	PERIO-CONTROL	ENDODONTICS

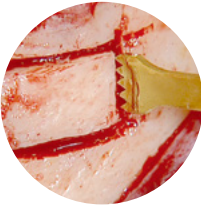


BONE SURGERY

BONE SURGERY

For chin bone harvests, notably for the mental foramen and mandibular ramus. For general bone surgery.

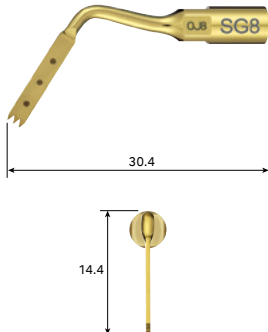
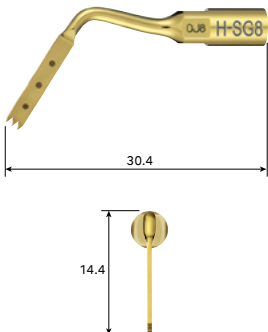
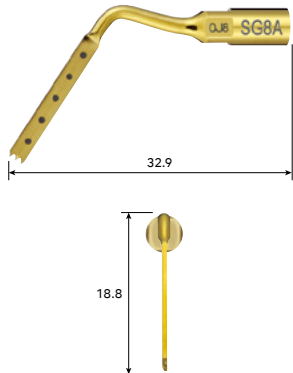
MODEL	SG1	POWER LEVEL	SURG 80%	MODEL	H-SG1	POWER LEVEL	SURG 150%	MODEL	SG1A	POWER LEVEL	SURG 80%
				HIGH POWER				For use in deeper regions requiring longer tips.			
											
ORDER CODE				ORDER CODE				ORDER CODE			
Z305101				Z305151				Z305138			
• TiN coating • Dots mark 3, 6 and 9 mm from tip end • Five teeth; 0.6 mm thick				• TiN coating • Dots mark 3, 6 and 9 mm from tip end • Five teeth; 0.6 mm thick				• TiN coating • Dots mark 3, 6, 9, 12 and 15 mm from tip end • Five teeth; 0.6 mm thick			



Unilateral anterior mandibular sampling
SG1, H-SG1, SG1A

For clinical cases where movement is restricted around the end of the tip.

BONE SURGERY

MODEL	SG8	POWER LEVEL	SURG 80%	MODEL	H-SG8	POWER LEVEL	SURG 150%	MODEL	SG8A	POWER LEVEL	SURG 80%
				HIGH POWER				For use in deeper regions requiring longer tips.			
											
ORDER CODE				ORDER CODE				ORDER CODE			
Z305109				Z305155				Z305139			
• TiN coating • Dots mark 3, 6 and 9 mm from tip end • Three teeth; 0.6 mm thick				• TiN coating • Dots mark 3, 6 and 9 mm from tip end • Three teeth; 0.6 mm thick				• TiN coating • Dots mark 3, 6, 9, 12 and 15 mm from tip end • Three teeth; 0.6 mm thick			

BONE SURGERY For harvesting bone from the mandibular ramus.

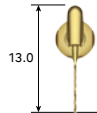
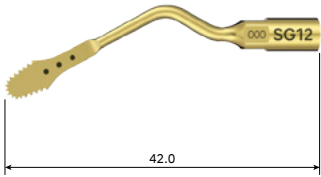
MODEL

SG12

POWER LEVEL

SURG

100%



ORDER CODE

ZT02010001

• TiN coating • Dots mark 6, 8 and 10 mm from tip end

• Eighteen teeth ; 0.35 mm thick

MODEL

SG14R

POWER LEVEL

SURG

80%



ORDER CODE

Z305122

• TiN coating • 90 degree right curved tip*

• Five teeth ; 0.6 mm thick

MODEL

SG14L

POWER LEVEL

SURG

80%



ORDER CODE

Z305123

• TiN coating • 90 degree left curved tip*

• Five teeth ; 0.6 mm thick



Anterior mandib ular harvesting
SG14R, SG14L

* The direction of the tip's curve is defined by the tip's anterior view.

For harvesting bone from the mandibular ramus. **BONE SURGERY**

MODEL

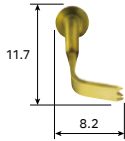
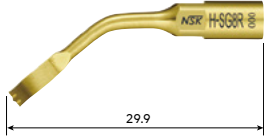
H-SG8R

POWER LEVEL

SURG

150%

HIGH POWER



ORDER CODE

Z305156

• TiN coating • 90 degree right curved tip*

• Three teeth ; 0.6 mm thick

MODEL

H-SG8L

POWER LEVEL

SURG

150%

HIGH POWER



ORDER CODE

Z305157

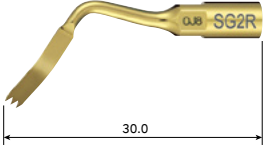
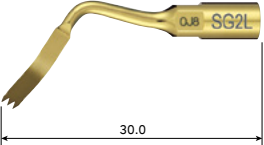
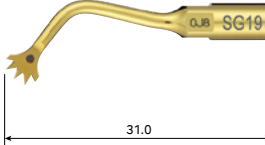
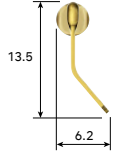
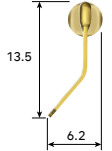

• TiN coating • 90 degree left curved tip*

• Three teeth ; 0.6 mm thick

* The direction of the tip's curve is defined by the tip's anterior view.

BONE SURGERY

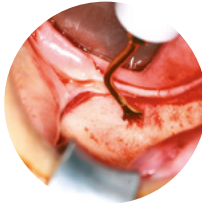
For excisions in areas with inclines or projections or which are otherwise hard to access with SG1 and other regular tips.

MODEL	SG2R	POWER LEVEL	SURG 80%	MODEL	SG2L	POWER LEVEL	SURG 80%	MODEL	SG19	POWER LEVEL	SURG 80%
											
											
	ORDER CODE			ORDER CODE				ORDER CODE			
	Z305102			Z305103				Z305135			

- TiN coating
 - Right curved tip*
 - Three teeth ; 0.6 mm thick
- TiN coating
 - Left curved tip*
 - Three teeth ; 0.6 mm thick
- TiN coating
 - Dot mark 3 mm from tip end
 - Five teeth ; 0.8 mm thick



Excision of bone torus
SG2R, SG2L

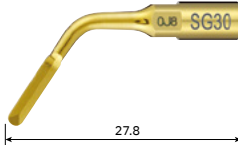
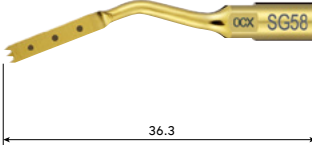
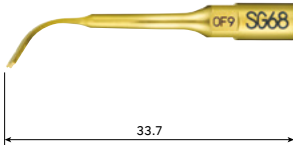





Mandibular harvesting
at approach stage
SG19

* The direction of the tip's curve is defined by the tip's anterior view.

For regions that are hard to access with regular tips, notably the posterior mandible or curved areas.

BONE SURGERY

MODEL	SG30	POWER LEVEL	SURG 50%	MODEL	SG58	POWER LEVEL	SURG 80%	MODEL	SG68	POWER LEVEL	SURG 80%
											
											
	ORDER CODE			ORDER CODE				ORDER CODE			
	Z305137			Z305141				Z305143			

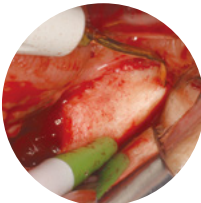
- TiN coating
 - Sharp edge
 - 0.5 mm thick
- TiN coating
 - Dots mark 3, 6 and 9 mm from tip end
 - Three teeth ; 0.6 mm thick
- TiN coating
 - Marking every 2 and 4 mm from top of tip (Single side)
 - Three teeth ; 0.6 mm thick



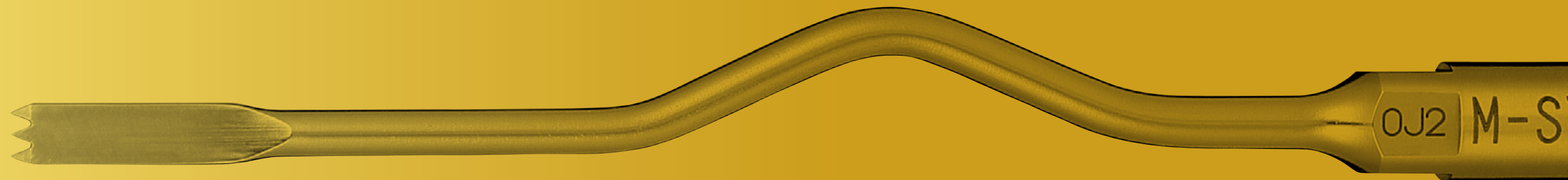
Alveolar crestal incision for
harvesting bone
(when narrowing bone cuts)
SG30



The cutting part
is bone torus
SG58

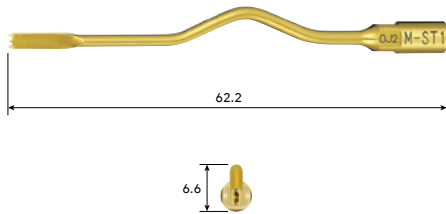
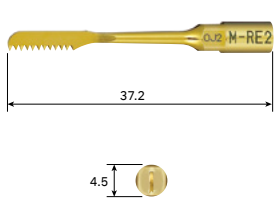


Vertical osteotomy
for harvesting bone
SG68



**BONE SURGERY
(MAXI REACH)**

MODEL **M-RE2** POWER LEVEL **SURG** 80% MODEL **M-ST1** POWER LEVEL **SURG** 80%

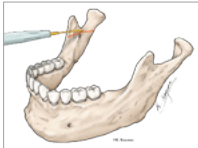


ORDER CODE
Z305715

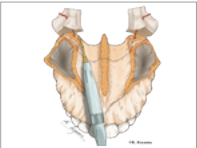
ORDER CODE
Z305713

- TiN coating • Eleven teeth
- 0.6 mm thick

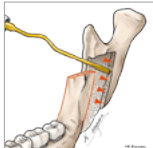
- TiN coating • Three teeth
- 0.6 mm thick



Mandibular ramus SSRO
Horizontal osteotomy lines
on the medial aspect.



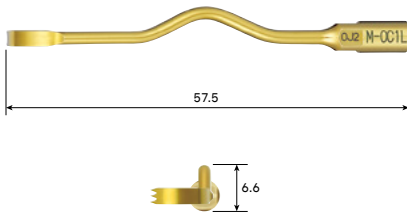
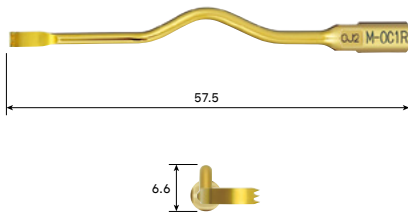
Le Fort type I osteotomy
Trimming near the
descending palatine artery.



Mandibular ramus SSRO
Separation of cortical and maritime bone
during sagittal division.



MODEL **M-OC1R** POWER LEVEL **SURG** 80% MODEL **M-OC1L** POWER LEVEL **SURG** 80%

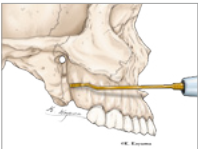


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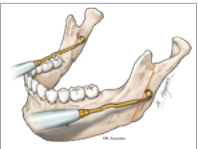
ORDER CODE
Z305710

- TiN coating • Dots mark 2 mm from tip end • Right curved tip*
- 3 teeth ; 0.6 mm thick

- TiN coating • Dots mark 2 mm from tip end • Left curved tip*
- 3 teeth ; 0.6 mm thick



Le Fort type I osteotomy
Pterygomaxillary junction
dissection.



Mandibular ramus SSRO
Mandibular branch vertical osteotomy (IVRO)
Assignment of starting point and guide grooves.

* The direction of the tip's curve is defined by the tip's anterior view.

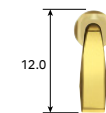
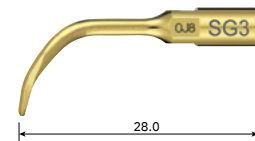
SCRAPER



For flattening the alveolar crest or harvesting bone fragments. **SCRAPER**

MODEL **SG3**

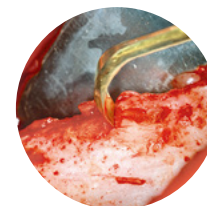
POWER LEVEL **SURG** 80%



ORDER CODE

Z305104

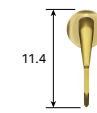
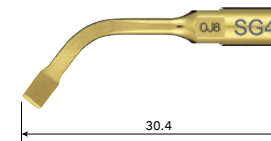
- TiN coating • Triple sided edge spatula tip
- Single-edged scraper



Alveolar crest flattening
SG3

MODEL **SG4**

POWER LEVEL **SURG** 80%



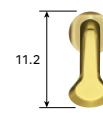
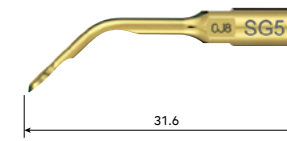
ORDER CODE

Z305105

- TiN coating • Edge spatula tip
- Double-edged scraper

MODEL **SG5**

POWER LEVEL **SURG** 80%



ORDER CODE

Z305106

- TiN coating • Rounded edge spatula tip
- Single-edged scraper



Osteoplasties
SG5



EXTRACTION

Ruptures the periodontal ligament to streamline suture removal. Also effective in extracting ankylosed teeth.

EXTRACTION

MODEL **SG17**

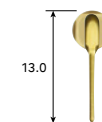
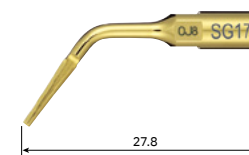
POWER LEVEL **SURG** 80%

MODEL **SG18R**

POWER LEVEL **SURG** 50%

MODEL **SG18L**

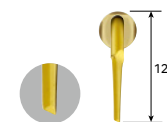
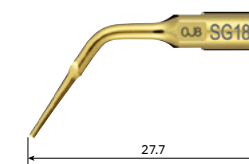
POWER LEVEL **SURG** 50%



ORDER CODE

Z305132

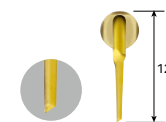
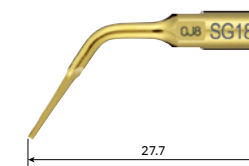
• TiN coating • 0.7 mm thick



ORDER CODE

Z305133

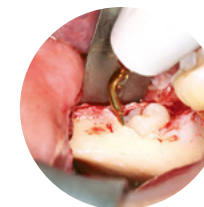
• TiN coating • Right angled tip* • 0.7 mm thick



ORDER CODE

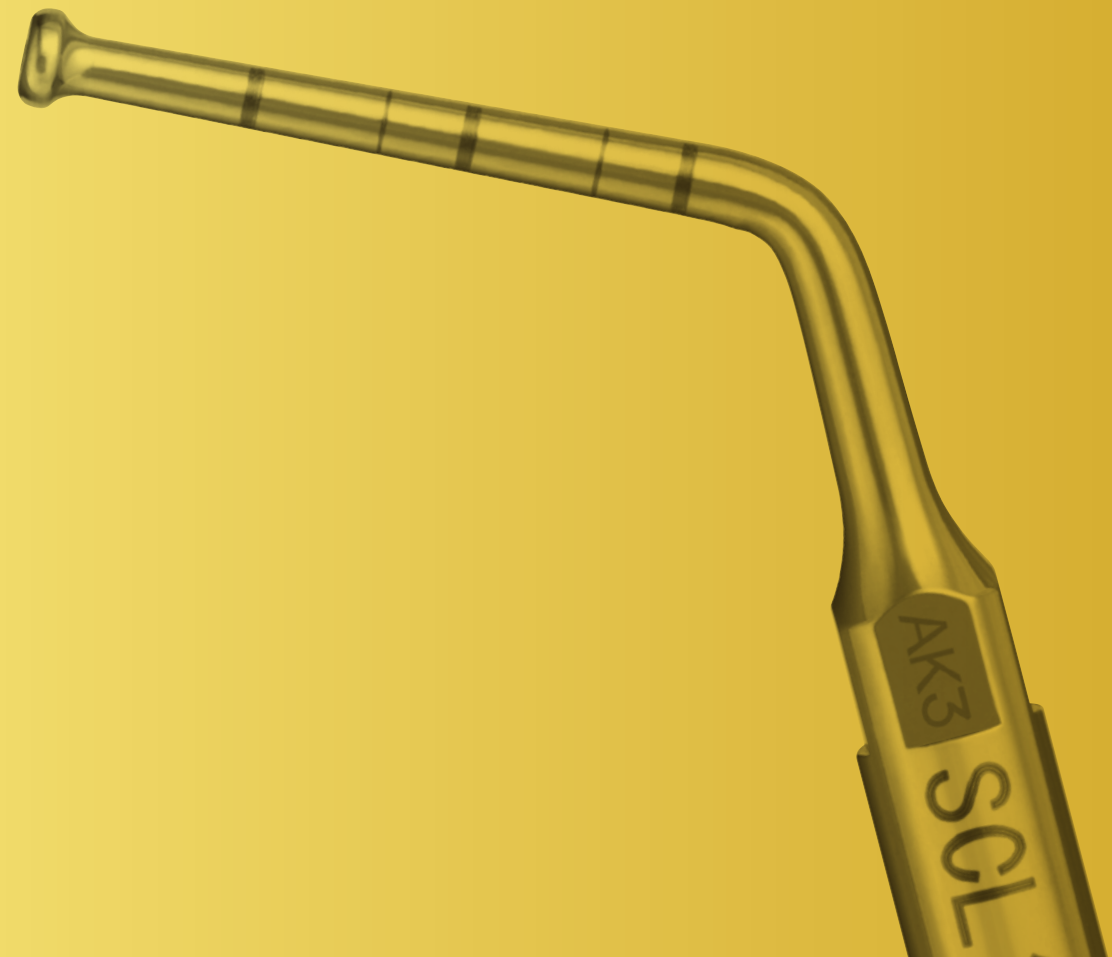
Z305134

• TiN coating • Left angled tip* • 0.7 mm thick



Extraction
SG17, SG18R, SG18L

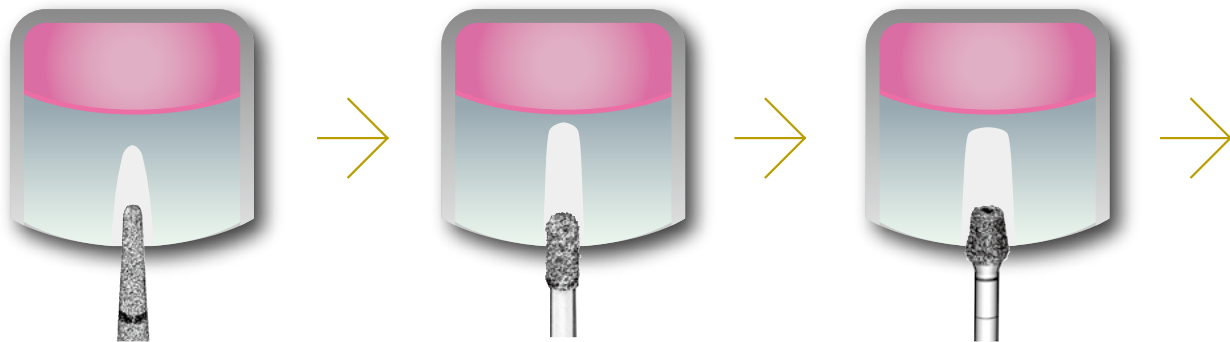
* The direction of the tip's angle is defined by the tip's anterior view.



SOCKET LIFT
(CRESTAL APPROACH)

SOCKET LIFT (CRESTAL APPROACH) Socket lift procedures.

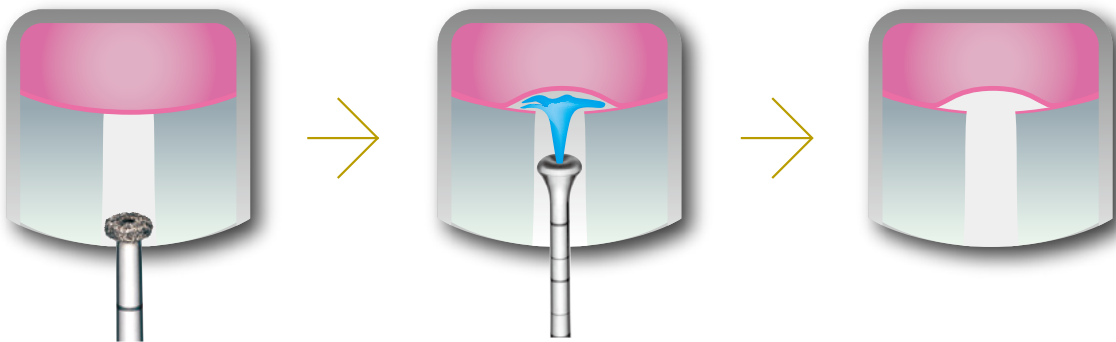
The socket lift tip enhances the safety of procedures, being less invasive and enabling sinus lifts with short chair times.
Osteotomy with ultrasonic vibration reduces the risk of damage to the Schneiderian membrane.
Eliminating hammering taps through the osteotome technique reduces patient discomfort and potential dizziness.



A starting point is added to trigger bone formation.

Bone formation to prepare implant site.

Implant site expansion and formation.



Maxillary sinus perforation and bone formation on alveolar ridge.

Reliably elevate the maxillary sinus membrane with internal irrigation.

Forms implant preparation site once maxillary sinus membrane is elevated.

IMPLANT PREPARATION

For preparation of implant sites, adding starting points, and other steps.

MODEL

SG15A

POWER LEVEL

SURG

50%

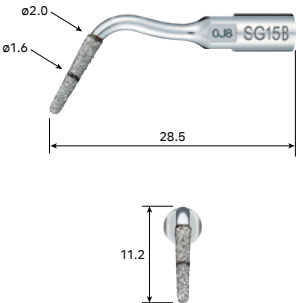
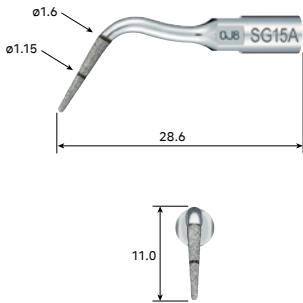
MODEL

SG15B

POWER LEVEL

SURG

50%



ORDER CODE

Z305124

ORDER CODE

Z305125

- Diamond coating
 - Tip-end diameter; 0.7 mm
 - Markings every 5 mm and 10 mm from tip end
- Diamond coating
 - Tip-end diameter; 1.3 mm
 - Markings every 5 mm and 10 mm from tip end



Implant preparation
SG15A, SG15B



IMPLANT PREPARATION

For preparation of implant sites, flattening bone surfaces, and other steps.

MODEL

SG15C

POWER LEVEL

SURG

50%

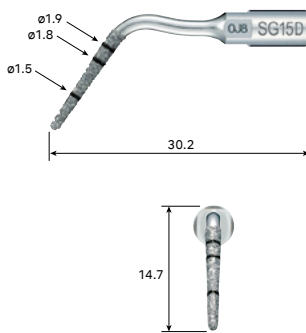
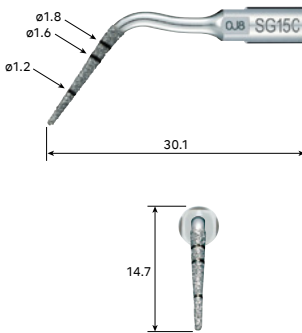
MODEL

SG15D

POWER LEVEL

SURG

50%



ORDER CODE

Z305126

ORDER CODE

Z305127

- Diamond coating
 - Tip-end diameter; 0.9 mm
 - Markings every 5 mm, 10 mm and 12 mm from tip end
- Diamond coating
 - Tip-end diameter; 1.3 mm
 - Marking every 5 mm, 10 mm and 12 mm from tip end



Implant preparation
SG15C, SG15D



IMPLANT PREPARATION

For expanding and forming implant preparation site when approaching from the alveolar crest.

MODEL

SG16A

POWER LEVEL

SURG

50%

MODEL

SG16B

POWER LEVEL

SURG

50%



ORDER CODE

Z305128

- Diamond coating
- Diameter; 2.0 mm
- Markings every 5 mm and 10 mm from tip end



Implant preparation
SG16A



Implant preparation
SG16B

25

For expanding and forming implant preparation site when approaching from the alveolar crest.

IMPLANT PREPARATION

MODEL

SCL2D

POWER LEVEL

SURG

50%

MODEL

SCL4D

POWER LEVEL

SURG

80%

INTERNAL IRRIGATION



ORDER CODE

Z305182

- Diamond coating



INTERNAL IRRIGATION



ORDER CODE

Z305184

- Diamond coating



Formation of implant preparation site
SCL2D, SCL4D



Implant preparation site depth can be measured using markings on the tip.

26

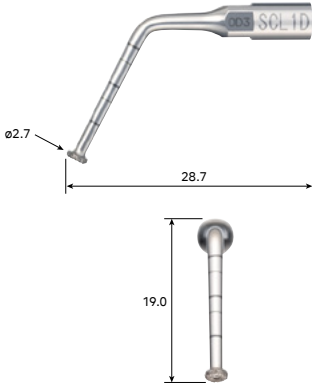
SOCKET LIFT (CRESTAL APPROACH)

SOCKET LIFT (CRESTAL APPROACH)

For procedures such as osteotomy of maxillary sinus approaching from the alveolar crest and implant preparation site adjustments.

MODEL **SCL1D** POWER LEVEL **SURG** 80%

INTERNAL IRRIGATION

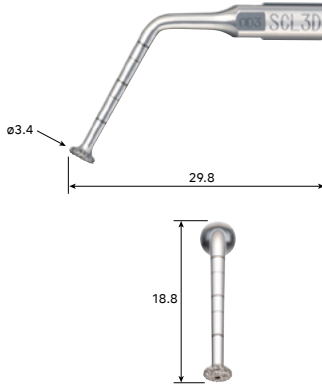


ORDER CODE
Z305171

• Diamond coating

MODEL **SCL3D** POWER LEVEL **SURG** 80%

INTERNAL IRRIGATION

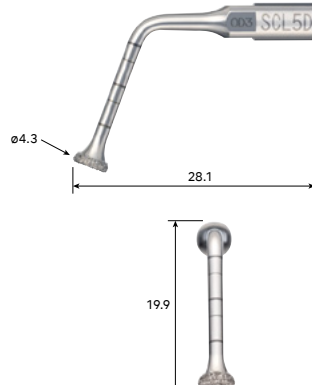


ORDER CODE
Z305173

• Diamond coating

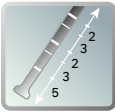
MODEL **SCL5D** POWER LEVEL **SURG** 80%

INTERNAL IRRIGATION



ORDER CODE
Z305175

• Diamond coating



Implant preparation site depth can be measured using markings on the tip.



Cutting the cavity floor of implant preparation site
SCL1D, SCL3D, SCL5D

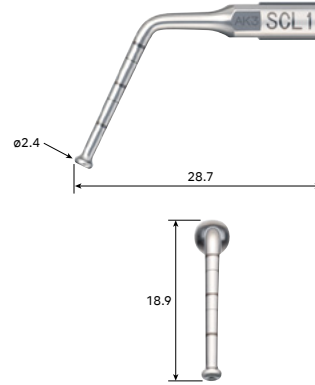


Elevating the sinus membrane with internal irrigation approaching from alveolar crest.

SOCKET LIFT (CRESTAL APPROACH)

MODEL **SCL1** POWER LEVEL **SURG** 50%

INTERNAL IRRIGATION

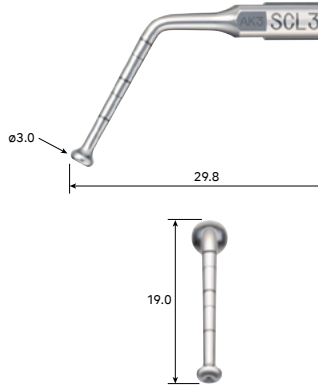


ORDER CODE
Z305170

• Diamond coating

MODEL **SCL3** POWER LEVEL **SURG** 50%

INTERNAL IRRIGATION

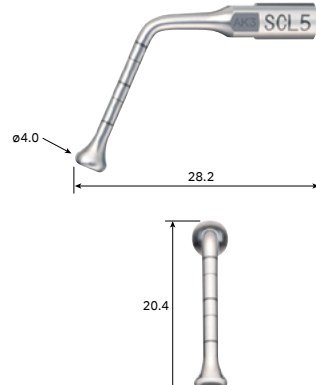


ORDER CODE
Z305172

• Diamond coating

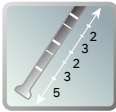
MODEL **SCL5** POWER LEVEL **SURG** 50%

INTERNAL IRRIGATION



ORDER CODE
Z305174

• Diamond coating



Implant preparation site depth can be measured using markings on the tip.

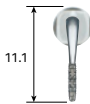
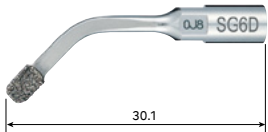


Before the mucous membrane of maxillary sinus is elevated
SCL1, SCL3, SCL5



SINUS LIFT For bone fenestration and bone formations.

MODEL **SG6D** POWER LEVEL **SURG** 80%



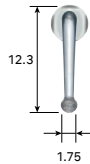
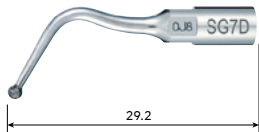
ORDER CODE
Z305107

• Diamond coating



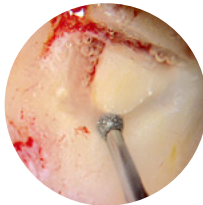
Avulsion of wisdom teeth and impacted teeth
SG6D

MODEL **SG7D** POWER LEVEL **SURG** 50%



ORDER CODE
Z305108

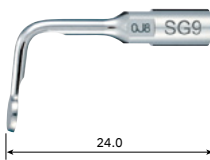
• Diamond coating



Lateral maxillary posterior bone augmentation
SG7D

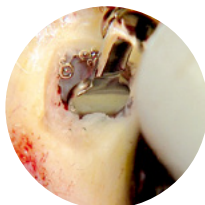
For detachment and elevation of the maxillary sinus membrane. **SINUS MEMBRANE DETACHMENT**

MODEL **SG9** POWER LEVEL **SURG** 50%



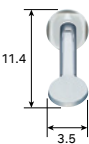
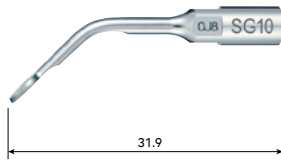
ORDER CODE
Z305110

• Flat circular convex elevator • Angled at 90°



Sinus membrane detachment
SG9, SG10

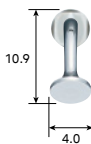
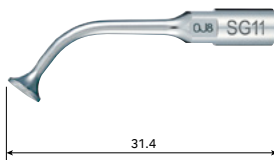
MODEL **SG10** POWER LEVEL **SURG** 50%



ORDER CODE
Z305111

• Flat circular convex elevator • Angled at 135°

MODEL **SG11** POWER LEVEL **SURG** 50%

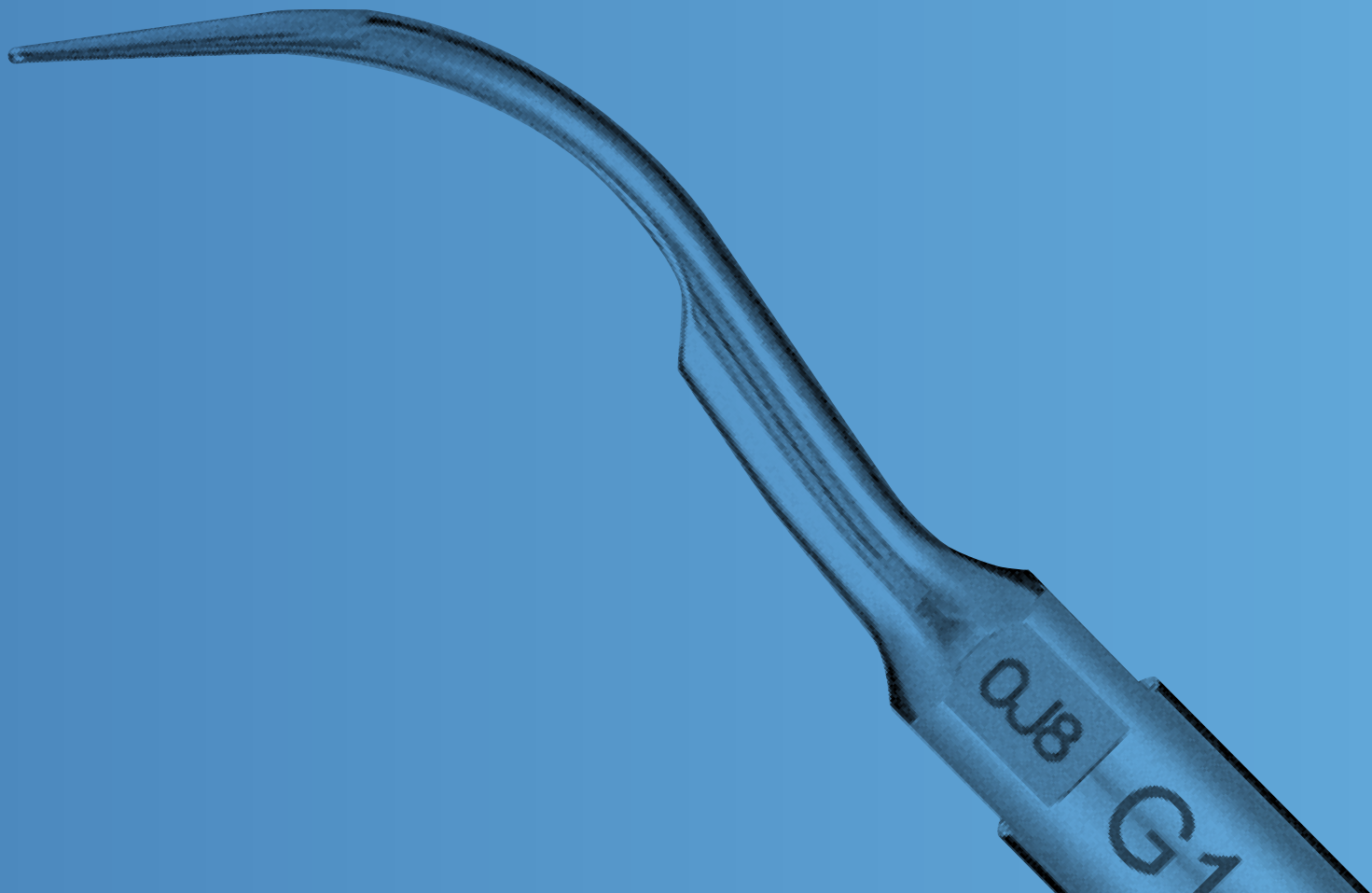


ORDER CODE
Z305112

• Cone compressor



Sinus membrane elevation
SG11



SCALING

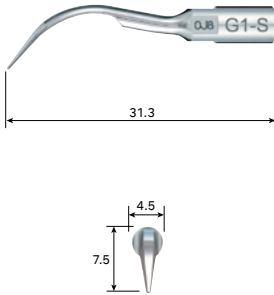
MODEL

G1-S

POWER LEVEL

SURG

50%



ORDER CODE

Z305113



Single rooted / Multi rooted

G1-S

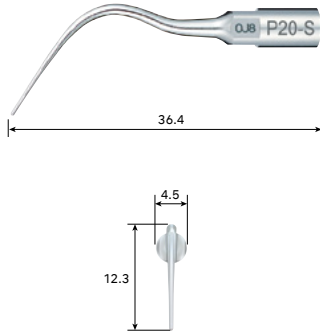
MODEL

P20-S

POWER LEVEL

PERIO

100%



ORDER CODE

Z305114



Single rooted / Multi rooted

P20-S

MODEL

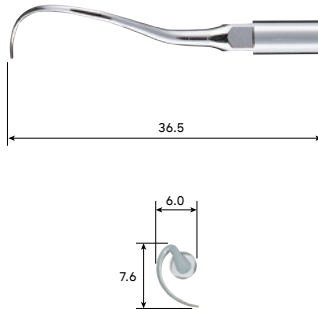
P25R-S

POWER LEVEL

PERIO

100%

Removal of Biofilm furcation area.



* Right curved type*



MODEL

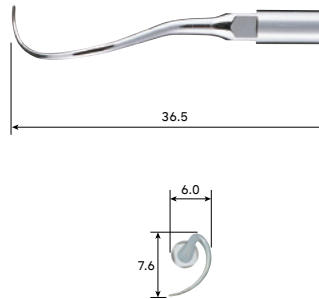
P25L-S

POWER LEVEL

PERIO

100%

Removal of Biofilm furcation area.



* Left curved type*

Single rooted / Multi rooted

P25R-S, P25L-S

* The direction of the tip's curve is defined by the tip's anterior view.

MODEL

V10-S

POWER LEVEL

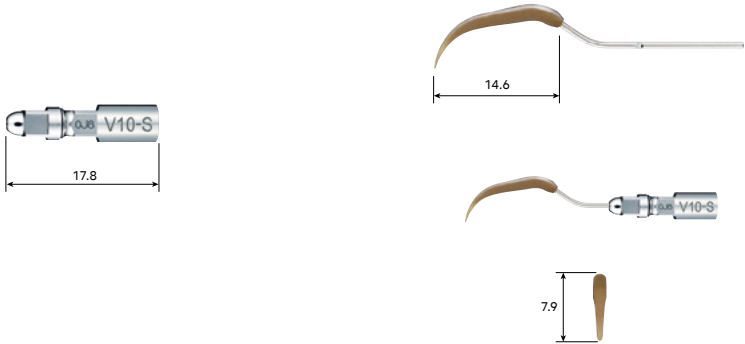
PERIO

100%

MODEL

V-P10

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



ORDER CODE

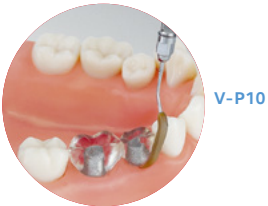
Z305117

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

ORDER CODE

Y900184

- Pack of 3
- V10-S holder is not included



V-P10

MODEL

V-P11R

MODEL

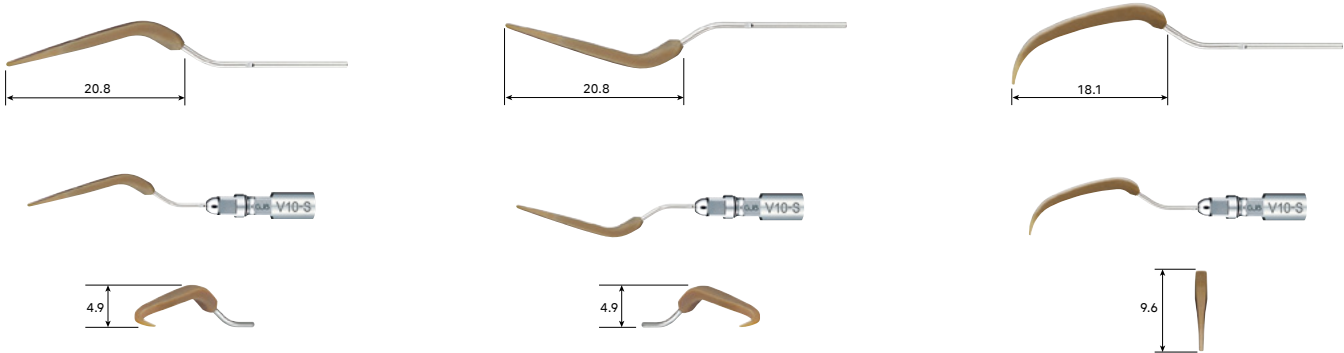
V-P11L

MODEL

V-P12

Double bent tips. This tip is extra long to easily access difficult to reach areas and to avoid interference with neighbouring teeth or contours.

A longer version of the popular V-P10 tip.



ORDER CODE

Y1002165

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

ORDER CODE

Y1002166

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

ORDER CODE

Y1002167

- Pack of 3
- V10-S holder is not included



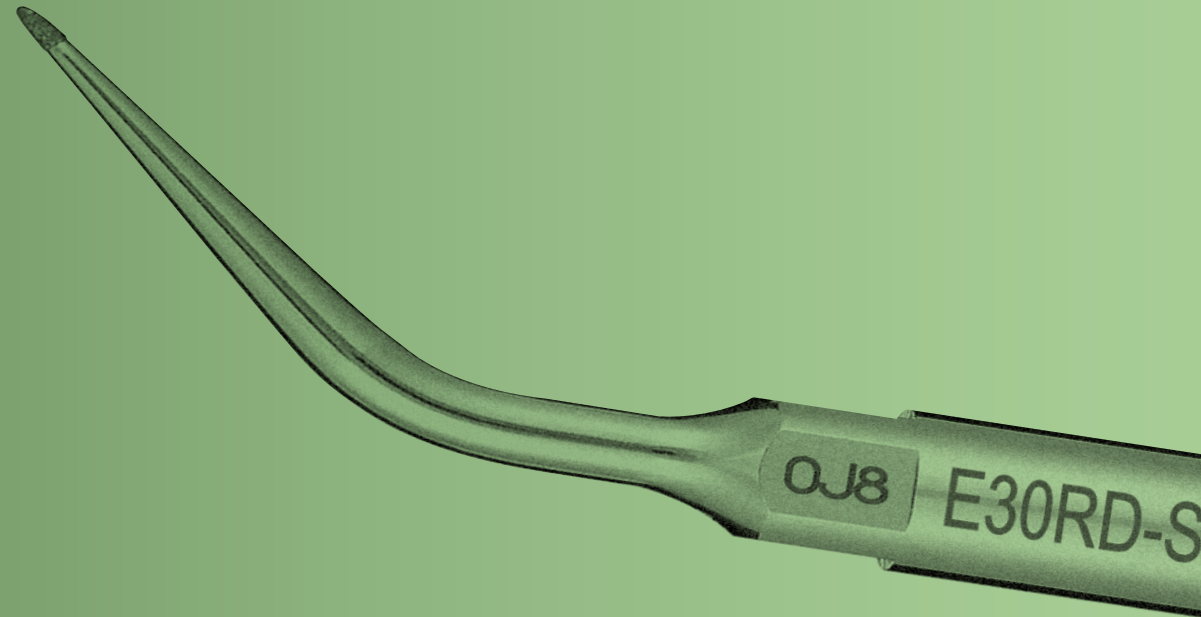
V-P11R, V-P11L



V-P12

■ V-P11R/L, V-P12 can be used only for VarioSurg 3 * The direction of the tip's curve is defined by the tip's anterior view.

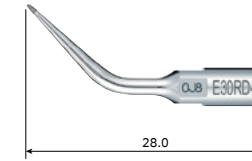
ENDODONTICS



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

ENDODONTICS

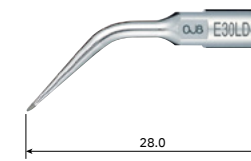
MODEL **E30RD-S** POWER LEVEL **ENDO** 50% MODEL **E30LD-S** POWER LEVEL **ENDO** 50% MODEL **E31D-S** POWER LEVEL **ENDO** 50% MODEL **E32D-S** POWER LEVEL **ENDO** 50%



ORDER CODE

Z305118

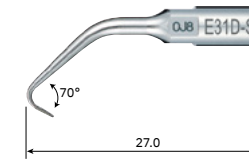
- Diamond coating
- For posterior teeth (right angled*)



ORDER CODE

Z305119

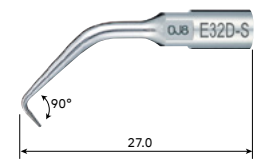
- Diamond coating
- For posterior teeth (left angled*)



ORDER CODE

Z305120

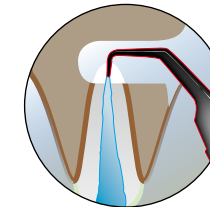
- Diamond coating
- For anterior and posterior teeth (70°)



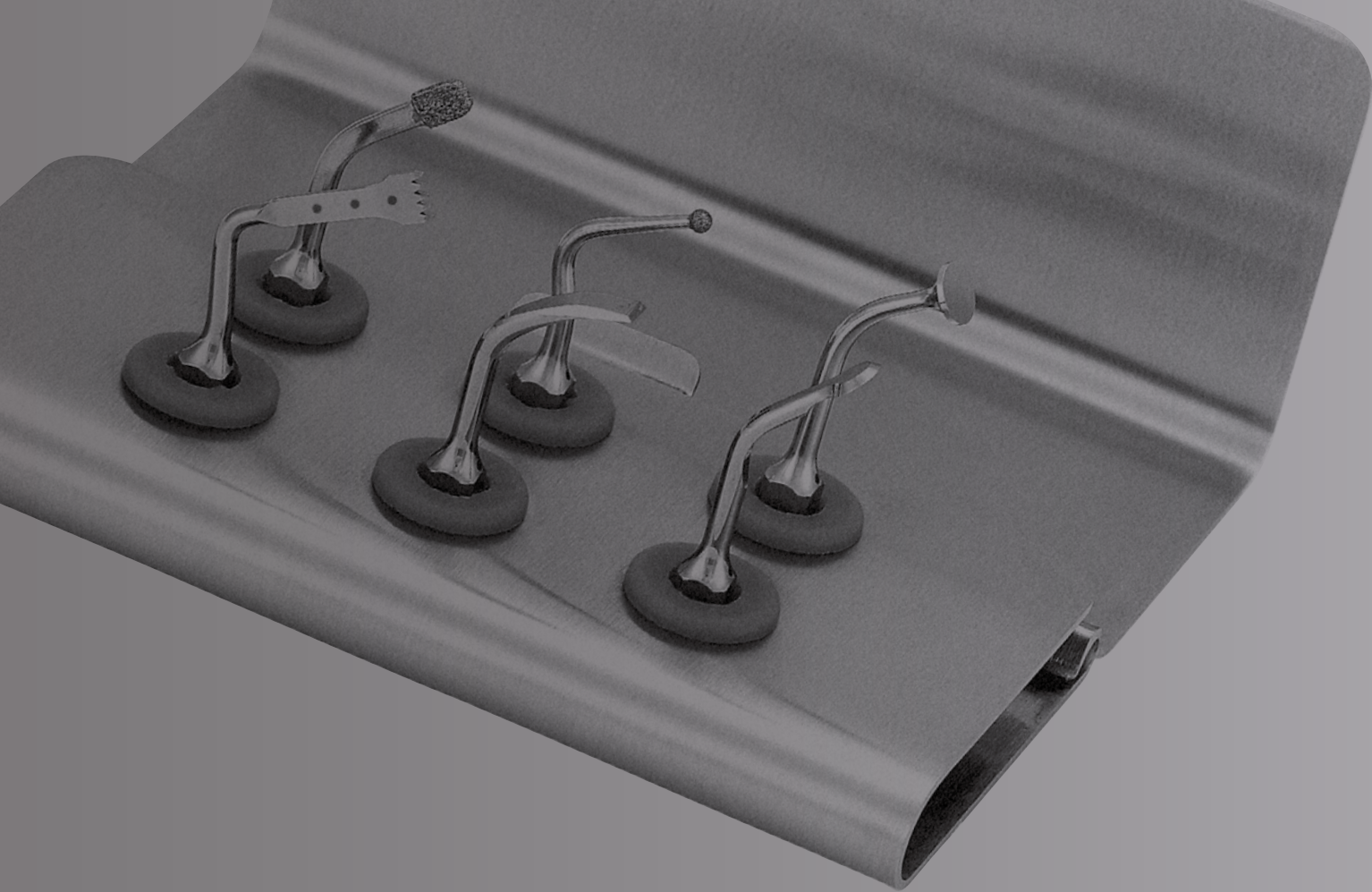
ORDER CODE

Z305121

- Diamond coating
- For anterior teeth (90°)



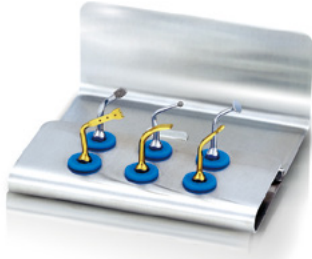
* The direction of the tip's angle is defined by the tip's anterior view.



TIP KIT

MODEL **Basic H-S Kit**

- Contents
- H-SG1, SG3, SG5, SG6D, SG7D, SG11
 - Tip holder

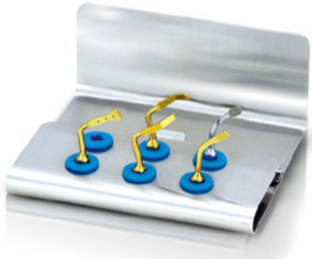


BONE SURGERY
SINUS LIFT
SCRAPER
SINUS MEMBRANE DETACHMENT

ORDER CODE
Y1002775

MODEL **Bone Cut Kit**

- Contents
- SG1, SG2R, SG4, SG2L, SG6D
 - Tip holder



BONE SURGERY

ORDER CODE
Y900688

MODEL **Sinus Lift Kit**

- Contents
- SG1, SG3, SG6D, SG9, SG10, SG11
 - Tip holder



SINUS LIFT

ORDER CODE
Y900689

MODEL **Endo-S Kit**

- Contents
- G1-S, E30RD-S, E30LD-S, E31D-S, E32D-S
 - Tip holder



ENDODONTICS

ORDER CODE
Y900691

MODEL **Implant Preparation Kit**

- Contents
- SG15A, SG15B, SG16A, SG16B
 - Tip holder



IMPLANT PREPARATION

ORDER CODE
Y900774

MODEL **Socket Lift (CRESTAL APPROACH) Kit for Wide Size Implant**

- Contents
- SCL2D, SCL3D, SCL4D, SCL3
 - VS Tip Wrench • Tip holder • Manual



SOCKET LIFT (CRESTAL APPROACH)

ORDER CODE
Y1002842

MODEL **Socket Lift (CRESTAL APPROACH) Kit for Regular Size Implant**

- Contents
- SCL1D, SCL2D, SCL1
 - VS Tip Wrench • Tip holder • Manual



SOCKET LIFT (CRESTAL APPROACH)

ORDER CODE
Y1002841

VarioSurg 4

Advantages

- Super slim handpiece with LED
- Extensive tip range for a wide range of applications
- Link 2 system with Surgic Pro2 (implant motor)



Complete Set

Optic	MODEL	ORDER CODE
●	VarioSurg 4 (230V)	Y1500706

- Contents**
- Control Unit
 - LED Handpiece with 2m cord
 - FC-86 Foot Control
 - Sterilization Cassette
 - Handpiece Stand
 - Irrigation tube (3 pcs.) and other accessories
 - Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Complete Set without Foot Control

Optic	MODEL	ORDER CODE
●	VarioSurg 4 w/o FC (230V)	Y1500712

- Contents**
- Control Unit
 - LED Handpiece with 2m cord
 - Sterilization Cassette
 - Handpiece Stand
 - Irrigation tube (3 pcs.) and other accessories
 - Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

- Specifications (Control Unit)**
- Frequency : 28-32 kHz
 - Power Supply : AC100 - 240V 50/60 Hz
 - Max. Pump Output : 76 mL / min
 - Programs : SURG x 5, ENDO x 2, PERIO x 2
 - Dimensions : W 245 x D 235 x H 90 mm

NAKANISHI INC. www.nsk-dental.com 700 Shimohinata, Kanuma, Tochigi 322-8666, Japan					
NSK Europe GmbH Elly-Beinhorn-Str. 8 65760 Eschborn Germany	NSK United Kingdom Ltd. Hertford House Rutherford Close, Stevenage Hertfordshire, SG1 2EF, 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 Asia No. 8, T-ONE Building, Room No. 26-109 26th Floor, Soi Sukhumvit 40 Sukhumvit Road, Bangkok 10110 Thailand	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.