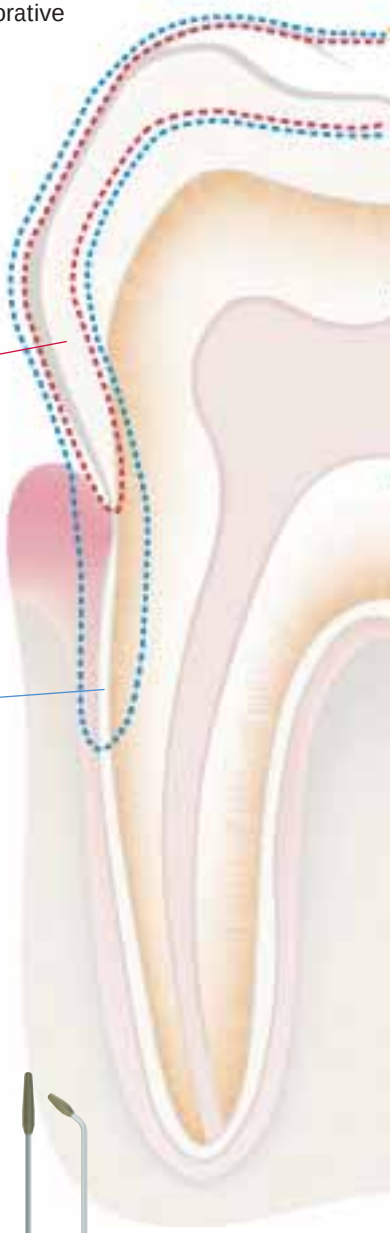
Amdent
Good Vibrations

Tip Book

Multi-purpose ultrasonics

Ultrasonics is an excellent tool for much more than just scaling. Our new wide tip range offers solutions for periodontics, endodontics, apical surgery including sterile tips, implantology and restorative treatments. The choice is yours!

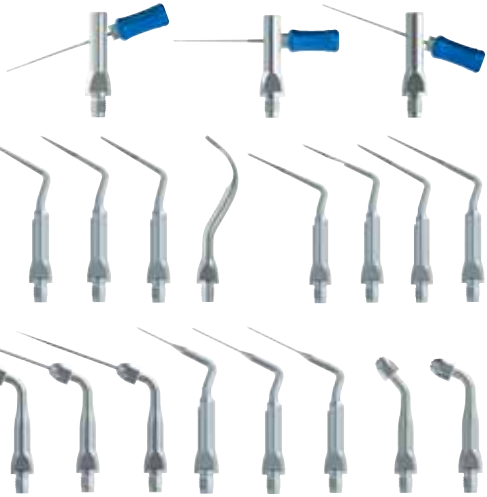


Minimally invasive excavation
pages 18–21

Scaling
pages 6–17

Special purpose
pages 38–41

Endodontics
pages 22–31



Apical surgery
pages 32–37

Sterile tips 42–47

Handpiece

Amdent tips are available for connection to three different handpieces.

With light

Ergo UltraLight

- Ergonomic design – pleasant to hold, less strain
- Six LED lights for better visibility
- 2 detachable silicone grips for better grip and control
  - ErgoGrip Light with wider beam of light
  - ErgoGrip Focus Light with focused lense

Without light

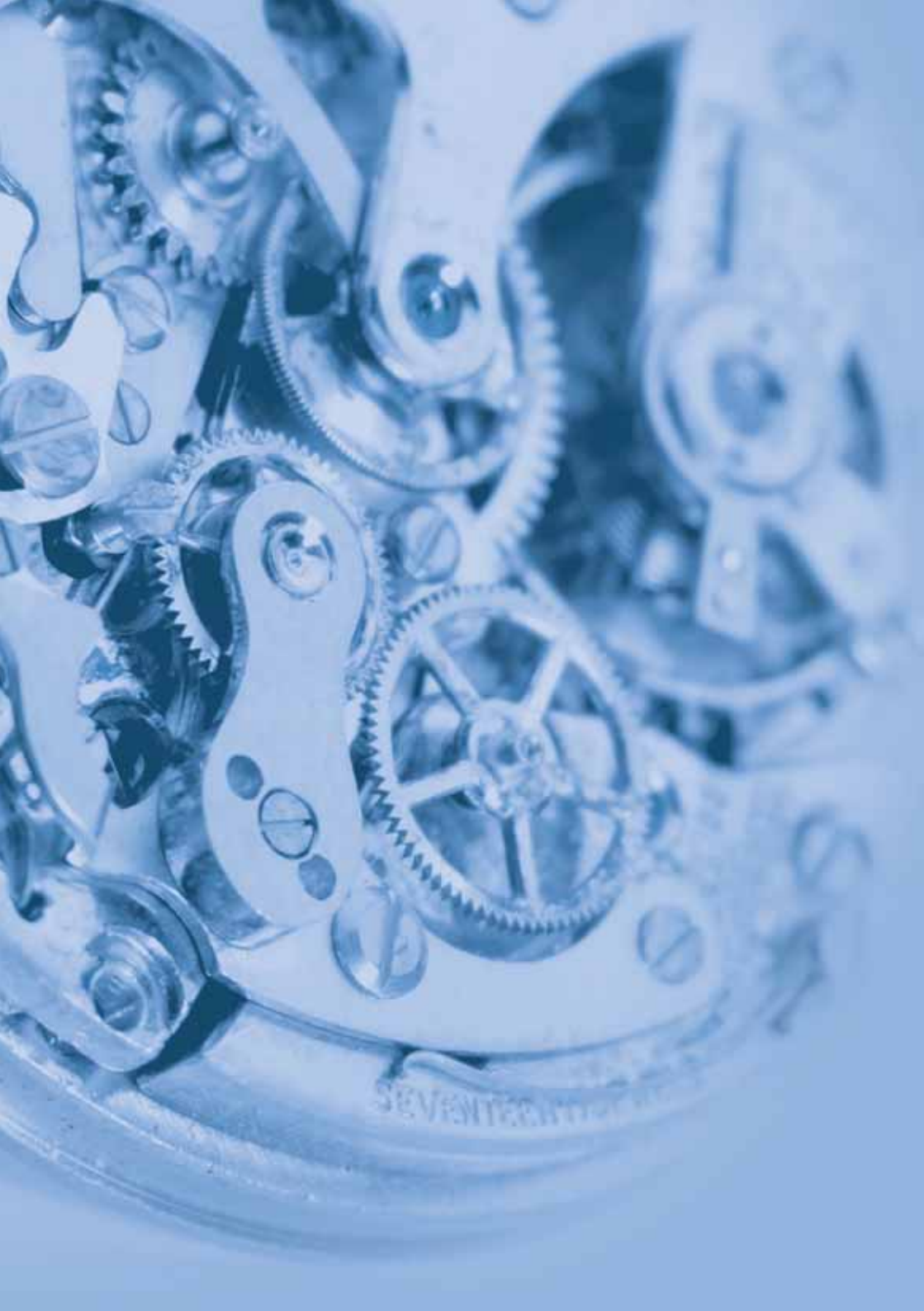
Ergo Ultra and Ergo Basic

Same efficiency and ergonomic design as Ergo UltraLight except for the LED lights. Used together with ErgoGrip Ultra or ErgoGrip Basic.

New ultrasonic tip range – highest quality for all your needs

69 different tips – solutions for periodontics, endodontics, apical surgery, restorative and sterile treatments.

Compatible with all LM and Amdent ultrasonic table top and built-in devices.



Scaling

Scaling

Scaling is precision work. Proper ultrasonic instrument selection is of primary importance in achieving complete periodontal debriment. Our wide variety of tips gives you the freedom to choose.

Heavy calculus removal

Tip PE-31

Used for lingual, buccal and approximal supragingival scaling.

Working mode

Tip PE-32

Used for lingual and buccal supragingival scaling.

Working mode

Tip PE-39

Used for universal, lingual and buccal supragingival scaling.

Working mode

Tip PE-41A

Used for universal, lingual and buccal supragingival scaling.

Working mode

Working mode coding:  Max 40 %  Max 70 %  Max 100 %

Scaling

Universal

Tip PE-37

Universal tip especially developed for subgingival scaling, furcations, supragingival fine scaling and spot removal.

Working mode

Tip PE-37L

Universal tip for subgingival scaling, furcations, supragingival fine scaling and spot removal. Tip angled to left for better access to furcations.

Working mode

Tip PE-37R

Universal tip for subgingival scaling, furcations, supragingival fine scaling and spot removal. Tip angled to right for better access to furcations.

Working mode

Tip PE-41P

Used for universal, lingual and buccal supragingival scaling. Can also be used for shallow pockets.

Working mode 

Tip PE-41AF

Used for approximal supragingival scaling. Also suitable for lingual and buccal scaling.

Working mode 

Tip PE-41PF

Used for lingual, buccal and approximal supragingival scaling.

Working mode 

Working mode coding:	Max 40 %	Max 70 %	Max 100 %

Scaling

Periodontics

Tip PE-33

Used for subgingival scaling and furcations.

Working mode

Tip PE-33L

Used for subgingival scaling and furcations. Tip angled to left for better access to furcations.

Working mode

Tip PE-33R

Used for subgingival scaling and furcations. Tip angled to right for better access to furcations.

Working mode

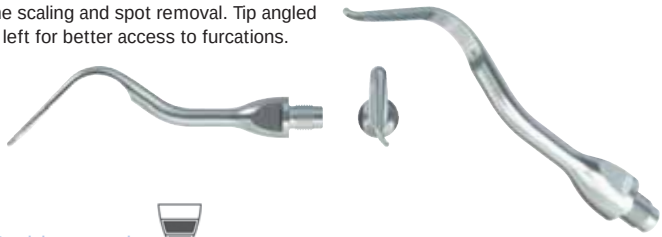
Tip PE-38

Used for lingual and buccal subgingival scaling and furcations. Also suitable for supragingival fine scaling and spot removal.

Working mode

Tip PE-38L

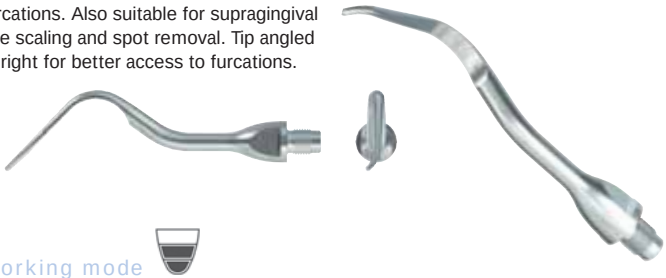
Used for subgingival scaling and furcations. Also suitable for supragingival fine scaling and spot removal. Tip angled to left for better access to furcations.



Working mode

Tip PE-38R

Used for subgingival scaling and furcations. Also suitable for supragingival fine scaling and spot removal. Tip angled to right for better access to furcations.



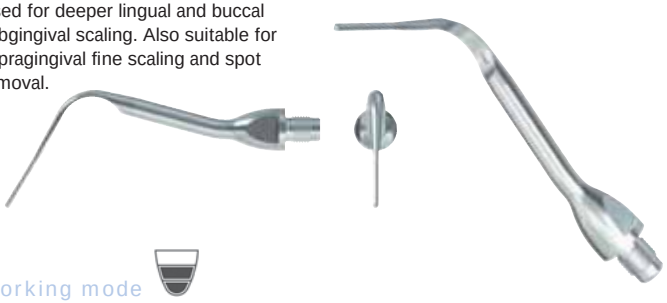
Working mode

Working mode coding: Max 40 % Max 70 % Max 100 %

Scaling

Tip PE-40

Used for deeper lingual and buccal subgingival scaling. Also suitable for supragingival fine scaling and spot removal.



Working mode

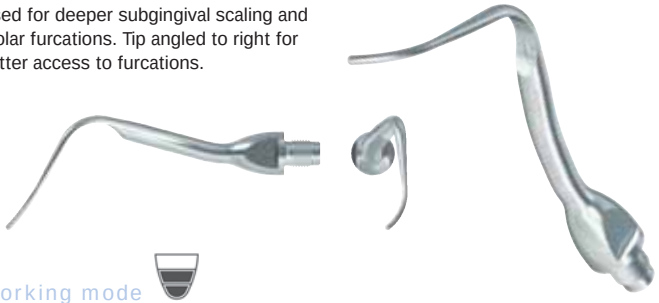
Tip PE-40L

Used for deeper subgingival scaling and molar furcations. Tip angled to left for better access to furcations.

Working mode

Tip PE-40R

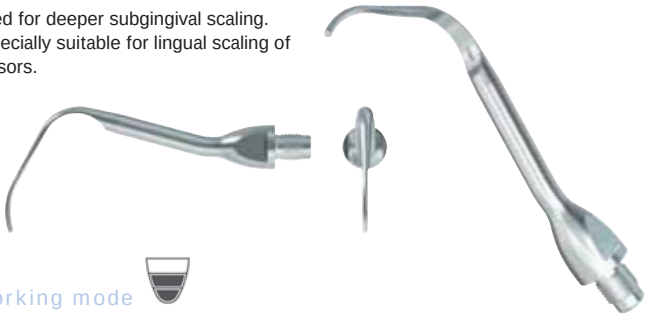
Used for deeper subgingival scaling and molar furcations. Tip angled to right for better access to furcations.



Working mode

Tip PE-40H

Used for deeper subgingival scaling. Especially suitable for lingual scaling of incisors.



Working mode

Tip PE-41PS

Used for deeper lingual and buccal subgingival scaling. Also suitable for supragingival fine scaling and spot removal.

Working mode

Working mode coding: Max 40 % Max 70 % Max 100 %

Scaling

Implant maintenance

Tip IM-1

Used on implants for the removal of calculus on fixtures, abutments and crowns. The working end is coated with PEEK© material to avoid damaging or discolouring the implant. Used together with the instrument holders IH-1 or IH-2.

Pack of 4.

Working mode

Tip IM-2

Same design as IM-1, but the working end is angulated for better access to difficult-to-reach surfaces. Used together with the instrument holders IH-1 or IH-2.

Pack of 4.

Working mode

Working mode coding: Max 40 % Max 70 % Max 100 %

Minimally invasive excavation

Minimally invasive excavation

With the aid of diamond-coated ultrasonic tips small preparations can be carried out without the unnecessary removal of the surrounding tooth substance. The tips can also easily be used for crown margins and cleaning fissures. The small diameter of the tips make them very suitable for treating children and the low noise level in comparison with rotating instruments is especially appreciated by nervous patients.

Tip MI-1

Straight tip, used primarily for incisors and more accessible surfaces.

Working mode

Tip MI-2

Slightly contra-angled, used for lingual and buccal work on molars.

Working mode

Tip MI-3

Contra-angled, used on lingual, buccal and distal areas.

Working mode

Tip MI-4

Heavily contra-angled, used on lingual, buccal and distal areas on molars and furcations.

Working mode

Working mode coding: Max 40 % Max 70 % Max 100 %

Endodontics

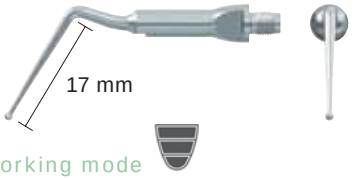
Endodontics

Ultrasonic tips can be utilised in many areas in endodontics. They are truly excellent in the removal of posts, the removal of dentin in pulp chambers, finding and widening orifices, preparing canals, removing broken instruments and cleaning prepared canals.

Pulp chamber

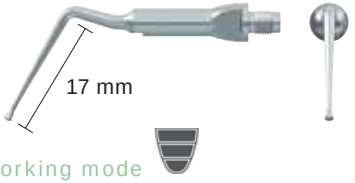
Tip EN-1

Ball shaped tip used for the removal of crowns, bridges and a variety of posts set with various cementing agents. The tip is placed against the post and then moved in a circular fashion to remove it.



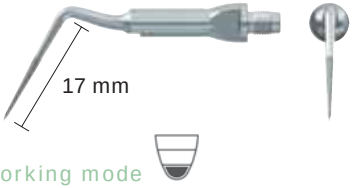
Tip EN-2

Flat and round diamond-coated surface on the tip. Used for planing attached pulp stones from the pulp chamber floor. Compared to rotating instruments the risk of perforating the tooth is small.



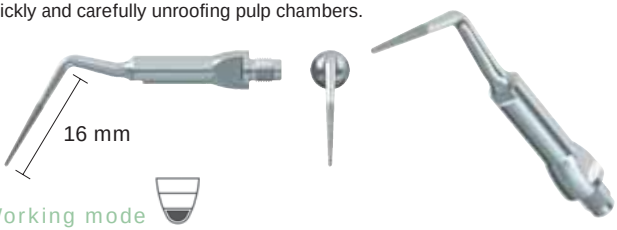
Tip EN-3

All-purpose, conical and diamond-coated tip primarily used in the pulp chamber for removing pulp stones, dentin and old fillings. Also for finding hidden openings.



Tip EN-4

Round diamond-coated tip for removing gross dentin, for moving access line angles, for cutting a groove in the mesial access wall to drop into the second mesial-buccal canal (MB2) systems, and for quickly and carefully unroofing pulp chambers.



Working mode

Tip EN-12

Flat and diamond-coated tip. Used in the pulp chamber for removing pulp stones and also for removal of dentin and old fillings. Compared to rotating instruments the risk of perforating the tooth is small.

Working mode

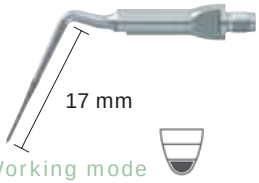
Working mode coding: Max 40 % Endo function: max 60 % Max 70 % Max 100 %

Endodontics

Canal preparation

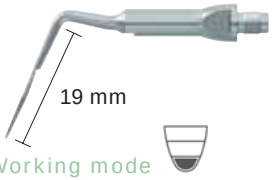
Tip EN-5

Used in the coronal and apical part of root canals. Amongst other things the tip can be used to trephine around posts, widen calcified canals, remove hard fillings and broken instrumens and other intra-canal obstructions.



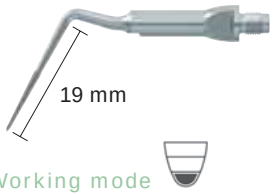
Tip EN-6

Primarily used in the coronal area of the root canal to trephine around posts. Also for chasing calcified canals halfway up a root. The water supply is placed at the furthest extremity of the tip for increased rinsing and cooling of the treated area.



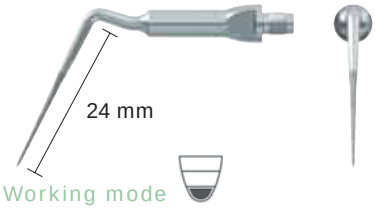
Tip EN-7

Same shape as tip EN-5, but 2 mm longer, and same areas of use. Used in the coronal, middle and apical one-thirds of roots.



Tip EN-8

Same shape as tip EN-5, but 7 mm longer, and same areas of use. Used in the coronal, middle and apical one-thirds of roots.



Working mode

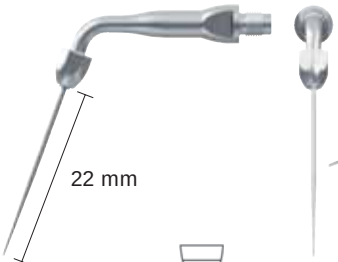
Tip EN-13

Diamond coated tip used in combination with the instrument holders IH-1, IH-2, IHs-1 or IHs-2. Used in the coronal and middle part of root canals. Used to remove posts, widen calcified canals, remove hard fillings, remove broken instruments and other intra-canal obstructions. Pack of 4.

Working mode

Tip EN-14

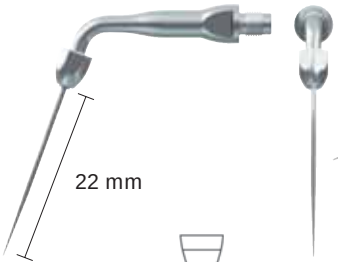
Used in combination with the instrument holders IH-1 and IH-2. Used as a plugger for lateral condensation of guttapercha. Pack of 4.



Working mode

Tip EN-15

Used in combination with the instrument holders IH-1, IH-2, IHs-1 or IHs-2. By using EN-15 in a fluid-filled root canal the ultrasonic vibrations clean the canal very efficiently. The resulting cavitation effect gives a proven high degree of cleanliness. Pack of 4.



Working mode

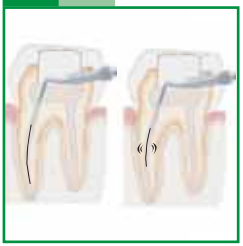
Working mode coding: Max 40 %
Endo function: max 60 % Max 70 % Max 100 %

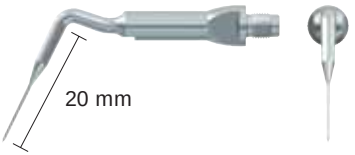
Endodontics

Removal of broken instruments

Tips EN-9, EN-10 and EN-11 are made of titanium and have no diamond coating. They hold a bend if applied forcefully. Titanium tips cut evenly and have an exceptional tactile sense. The small diameter makes them suitable for use in the apical part of root canals. Primary area of use is to isolate and remove broken instruments. Even broken instruments that are firmly stuck in the apical part of the root can often be removed by ultrasonic vibrations. Used in the mid and apical part of a root with illumination and magnification.

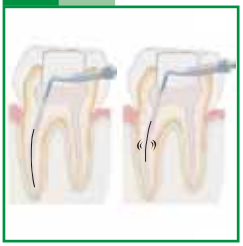
Tip EN-9

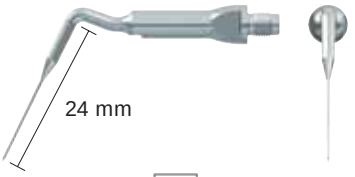




Working mode

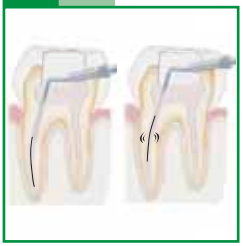
Tip EN-10

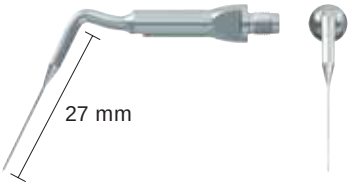




Working mode

Tip EN-11





Working mode

File and instrument holders

FH-1, FH-2 and FH-3 are holders for hand files. By using the hand file in a fluid-filled root canal the ultrasonic vibrations clean the canal very efficiently. The resulting cavitation effect gives a proven high degree of cleanliness.

Tip

FH-1

Working mode

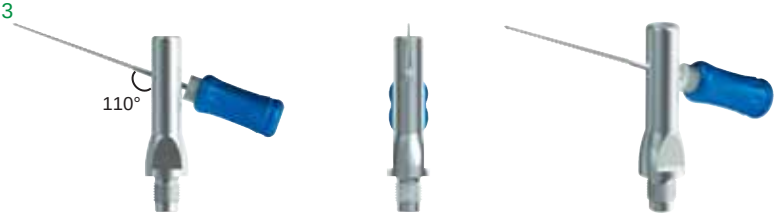
Tip

FH-2

Working mode

Tip

FH-3



Working mode

Working mode coding: Max 40 % Endo function: max 60 % | Max 70 % | Max 100 %

Endodontics

Tip IH-1

Holder for implant maintenance tips and AP-1 and AP-2 tips for apical surgery. Can also be used with endosonic files and other instruments with a diameter of 0.8 mm.

Working mode: See chosen instrument

Tip IH-2

IH-2 has the same shape and area of use as IH-1.

Working mode: See chosen instrument

Caution! All endodontic tips are extremely sensitive and if not used correctly or with too much power or force they are subject to breakage. Do not exceed recommended working mode and always place the tip on the tooth surface before turning on the power.

Working mode coding: Max 40 %
Endo function: max 60 % Max 70 % Max 100 %


SWISS
UNADJUSTED

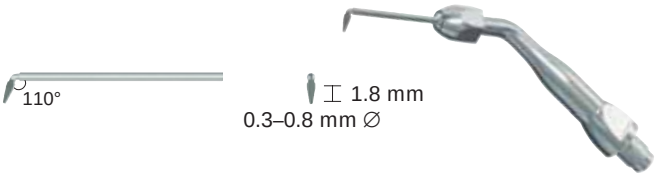
Apical surgery

Apical surgery

The diamond-coated tips are used for opening and clearing the root when doing apical surgery. The long necks of the tips give excellent visibility and the ultrasonic vibrations in combination with the diamond coating give a higher degree of tactility and precision compared to rotating instruments.

Tip AP-1

Used in combination with the instrument holders IH-1, IH-2, IHs-1 or IHs-2. With the aid of the instrument holder the AP-1 can be turned to precisely the angle needed for the treatment. Available in a pack of four.



Working mode

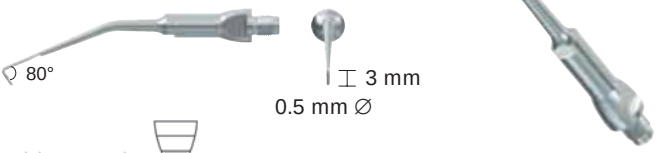
Tip AP-2

Same area of use as AP-1. AP-2 has a slimmer design and is therefore better suited for small roots. Available in a pack of four.

Working mode

Tip AP-3

AP-3 can be used as a universal tip on all teeth. The outermost 3 mm of the tip is diamond-coated to enable effective removal of tooth substance.



Working mode

Tip AP-4

Same shape and area of use as AP-3, but is 0,7 mm in diameter making it more suitable for larger roots.

Working mode

Tip AP-5

Designed for use on molar roots in the maxillary right and mandibular left.

Working mode

Tip AP-6

Designed for use on molar roots in the maxillary right and mandibular left.

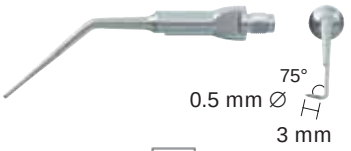
Working mode

Working mode coding:	Max 40 %	Max 70 %	Max 100 %

Apical surgery

Tip AP-7

Designed for use on molar roots in the maxillary left and mandibular right.



Working mode

Tip AP-8

Designed for use on the roots of molars in the maxillary left and mandibular right.

Working mode

Caution! All apical surgery tips are extremely sensitive and if not used correctly or with too much power or force they are subject to breakage. Do not exceed recommended working mode and always place the tip on the tooth surface before turning on the power.

Apical surgery tips are also available as sterile versions. See page 42–47 for more information!

Working mode coding:  Max 40 %  Max 70 %  Max 100 %

Special purpose

Special Purpose

Ultrasonic technology can today be used for much more than just scaling and endodontics. Ultrasonic tips can be used to remove crowns, for amalgam condensation and for the application of thixotropic cementation.

Tip SP-34

Used for removing crowns and inlays.

Working mode

Tip SP-34S

Same shape and area of use as SP-34, but with a smaller diameter to make inaccessible areas reachable.

Working mode

Tip SP-35

Used for amalgam condensation.

Working mode

Tip SP-35A

Used for applying thixotropic cementation together with crowns and inlays. The extremity of the tip is covered in plastic so does not damage the crown or inlay.

Working mode

Tip SP-35B

Same shape and area of use as SP-35A, but with a considerably more open angle.

Working mode

Tip SP-35C

Same shape and area of use as SP-35B, but with a considerably more open angle.

Working mode

Working mode coding: Max 40 % Max 70 % Max 100 %

Sterile treatment

Sterile treatment

Tips that allow sterile apical surgery. Treatment can be done with sterile water or desinfectants. The diamond-coated tips are used for opening and clearing the root. The long necks of the tips give excellent visibility and the ultrasonic vibrations in combination with the diamond coating give a higher degree of tactility and precision compared to rotating instruments.

Tip APs-3

Tip for sterile treatment. Used as a universal tip on all teeth. The outermost 3 mm of the tip is diamond-coated to enable effective removal of tooth substance.

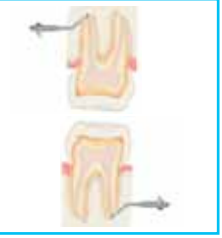
Working mode 

Tip APs-4

Tip for sterile treatment. Same shape and area of use as AP-3s, but is 0.7 mm in diameter making it more suitable for larger roots.

Working mode 

Tip APs-5



Designed for sterile treatment of molar roots in the maxillary right and mandibular left.

Working mode 

Tip APs-6

Designed for sterile treatment of molar roots in the maxillary right and mandibular left.

Working mode

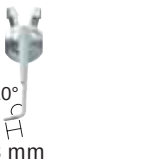
Tip APs-7

Designed for sterile treatment of molar roots in the maxillary left and mandibular right.

Working mode

Tip APs-8

Designed for sterile treatment of the molar roots of molars in the maxillary left and mandibular right.



Working mode

Working mode coding: Max 40 % Max 70 % Max 100 %

Sterile treatment

Tip IHs-1

Sterile instrument holder for use with AP-1 and AP-2 tips for apical surgery. Can also be used for endosonic files and other instruments with a diameter of 0.8 mm.

Working mode: See chosen instrument

Tip IHs-2

Same shape and area of use as IHs-1.

Working mode: See chosen instrument

Working mode coding: Max 40 % Max 70 % Max 100 %

Check your tips!

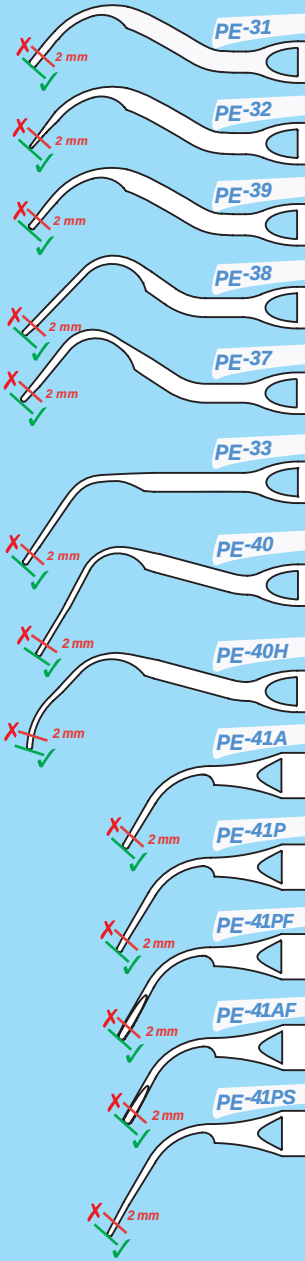
When it is worn down more than 2 mm. Four simple reasons why you should replace tips often enough:

....increased efficiency and accessibility
....increased patient comfort
....increased safety
....time saving

Please check your tip regularly.

Please use this template every week to measure your tips.

Place tip on diagram to check for wear.



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