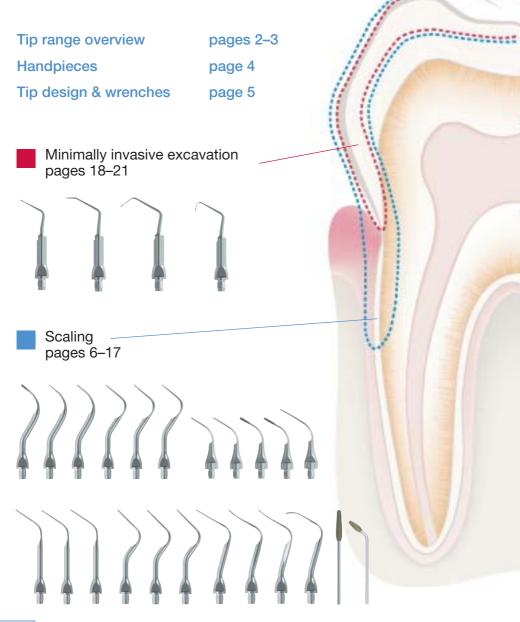


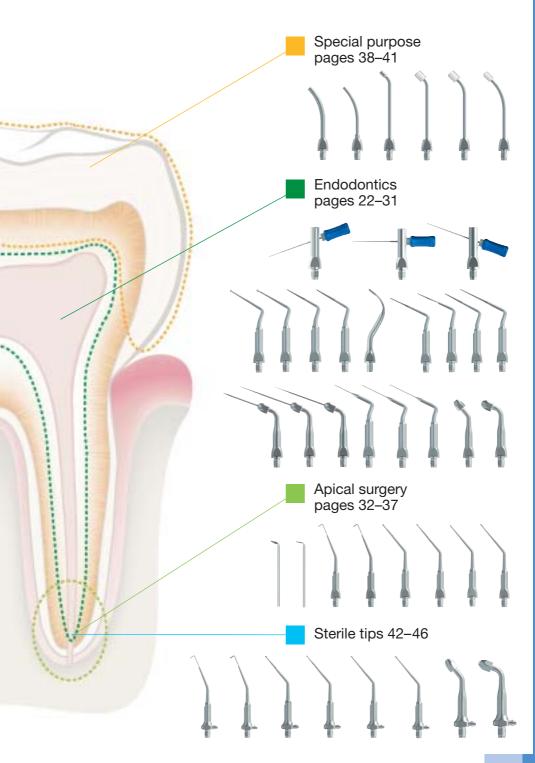
feel the difference

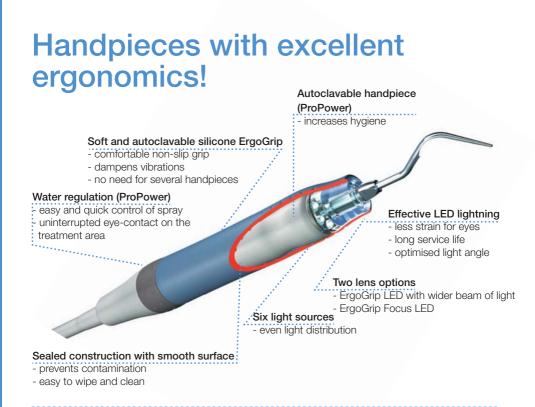
Tip Book

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!







Tips are available for connection to three different handpieces. All handpieces are used with detachable and autoclavable silicone ErgoGrips for economic operation and excellent ergonomics.

With LED

LM-ProPower HP LED

LM-PowerHand HP LED



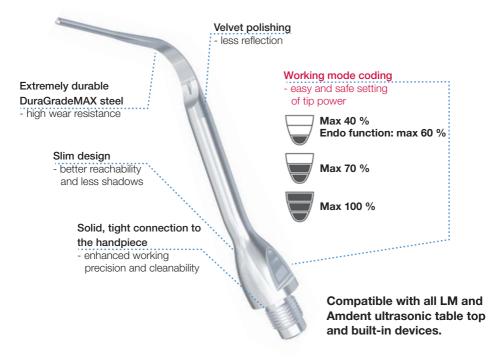
Without LED

LM-PowerHand HP



Wide tip range – highest quality for all your needs

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



Wrench selection



Universal tip wrench



Torque tip wrenches with hexagonal and slim design



Wrench for file holders



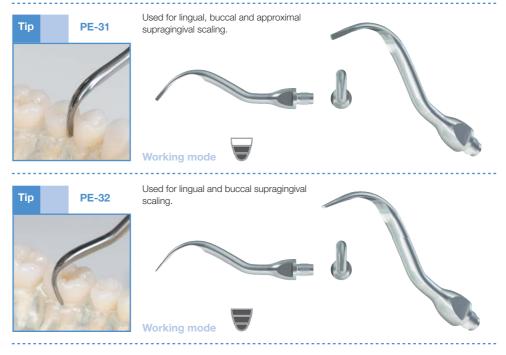


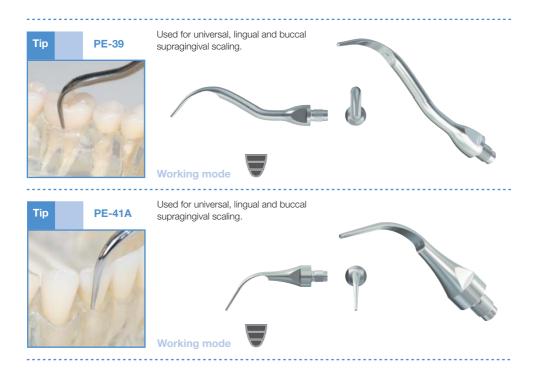


Scaling is precision work. Proper ultrasonic instrument selection is of primary importance in achieving complete periodontal debriment. Our wide variety of tips gives you the freedom to choose.



Heavy calculus removal







Universal



Universal tip especially developed for Tip **PE-37** subgingival scaling, furcations, supragingival fine scaling and spot removal. Working mode Universal tip for subgingival scaling, Tip **PE-37L** furcations, supragingival fine scaling and spot removal. Tip angled to left for better access to furcations. Working mode Universal tip for subgingival scaling, Tip **PE-37R** furcations, supragingival fine scaling and spot removal. Tip angled to right for better access to furcations.

Working mode



Working mode coding:

Max 40 %

Max 70 %





Tip

Tip

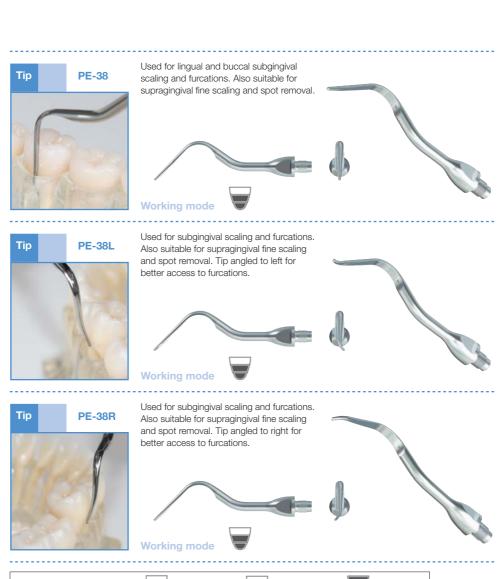








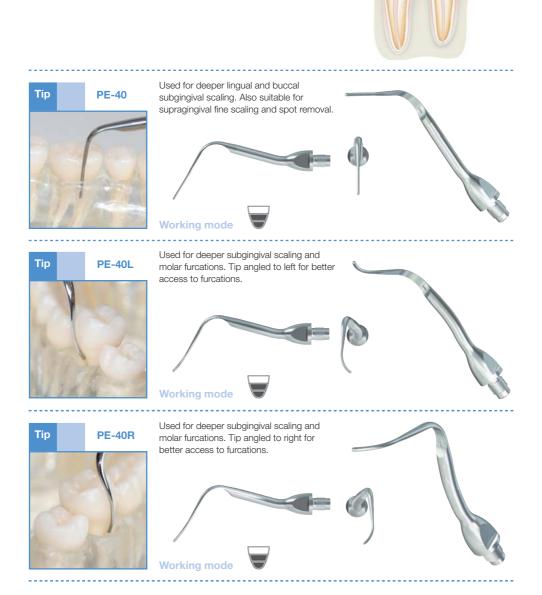
Working mode Used for subgingival scaling and furcations. PE-33L Tip angled to left for better access to furcations. Working mode Used for subgingival scaling and furcations. PE-33R Tip angled to right for better access to furcations.

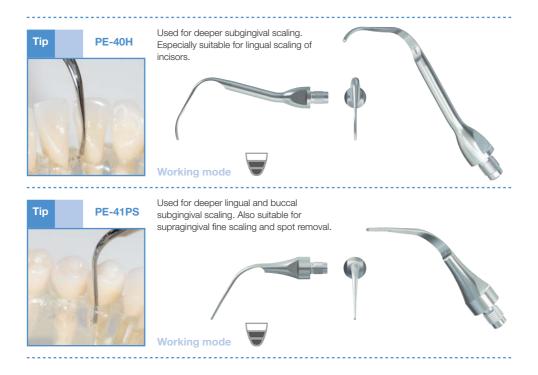


Working mode coding:

Max 40 %

Max 70 %





Implant maintenance



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.



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

Pack of 4.







Working mode coding:

/ Max 40 %





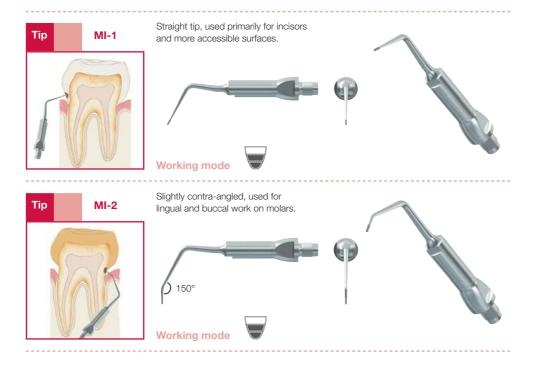
Minimally invasive excavation

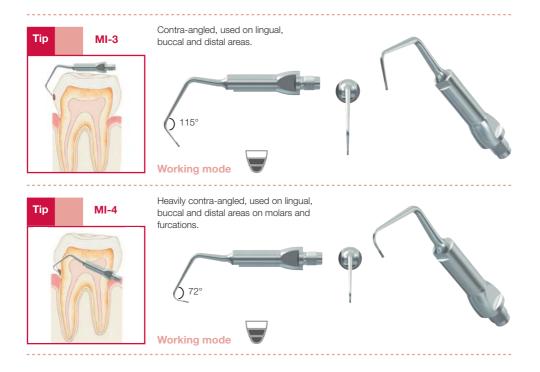


Minimally invasive excavation

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.













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



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.







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.





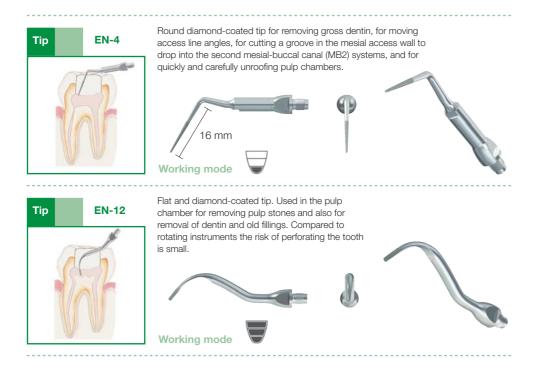
EN-3 All-purpose, conical and diamond-coated tip primarily used in the pulp chamber for removing pulp stones, dentin and old fillings. Also for finding hidden openings.





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.

Tip

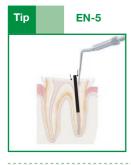


Max 40 % Endo function: max 60 %





Canal preparation



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.







EN-7

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.





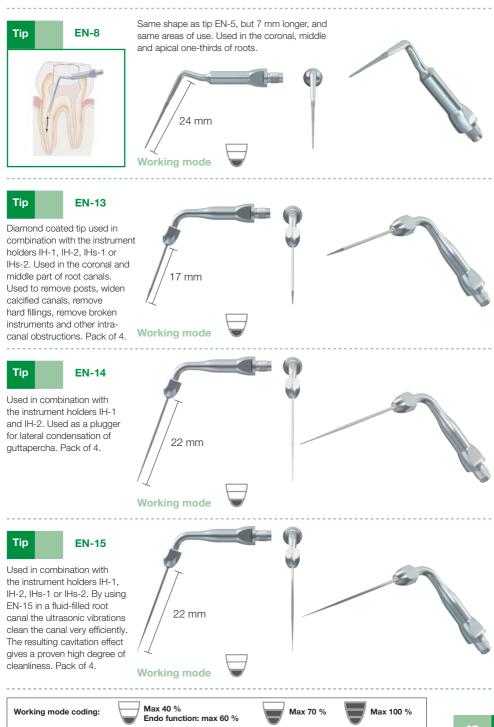
Same shape as tip EN-5, but 2 mm longer, and same areas of use. Used in the coronal, middle and apical one-thirds of roots.





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.

Tip



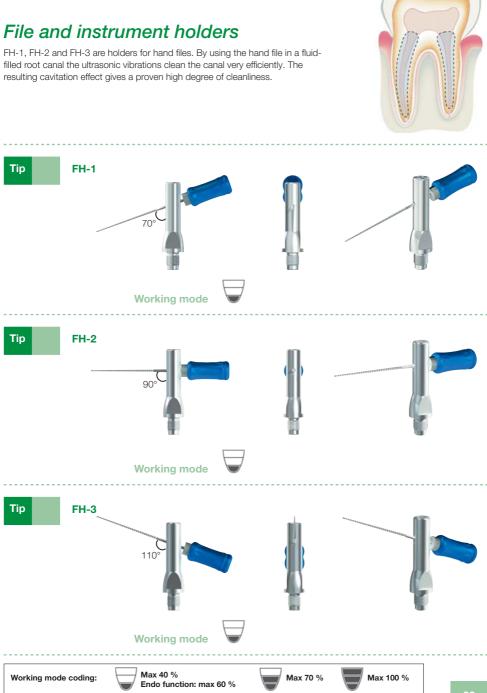
Removal of broken instruments

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.





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.







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



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.

Max 40 % Endo function: max 60 %



Apical surgery

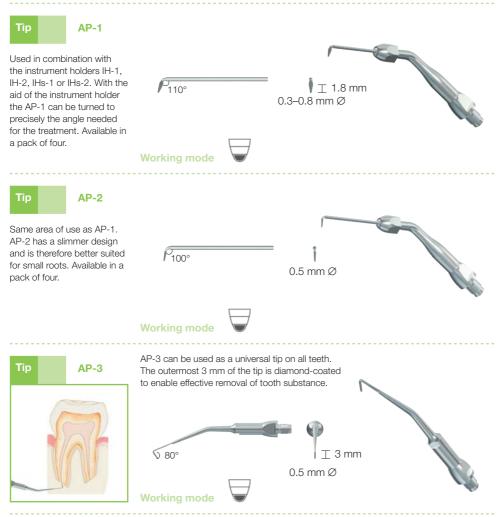


Apical surgery

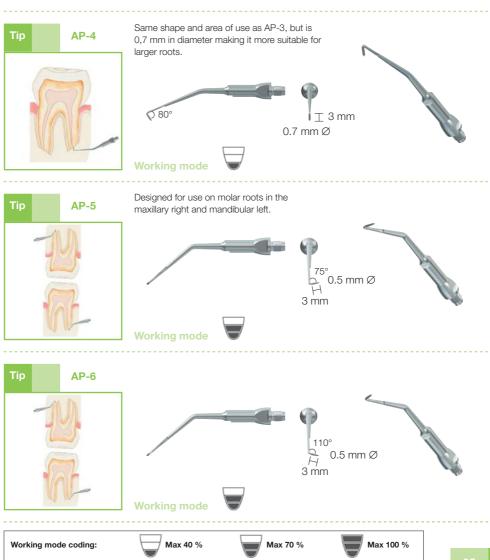
The diamond-coated tips are used for opening and clearing the root when doing apical surgery. The long necks of the tips give excellent visibility and the ultrasonic vibrations in combination with the diamond coating give a higher degree of tactility and precision compared to rotating instruments.



Apical surgery tips are also available as sterile versions. See pages 42-46 for more information!



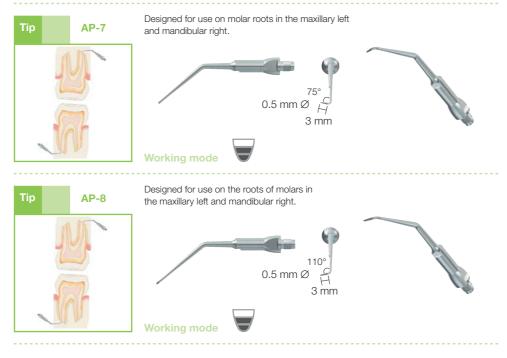
Caution! All apical surgery tips are extremely sensitive and if not used correctly or with too much power or force they are subject to breakage. Do not exceed recommended working mode and always place the tip on the tooth surface before turning on the power.



Apical surgery



Apical surgery tips are also available as sterile versions. See pages 42-46 for more information!



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.



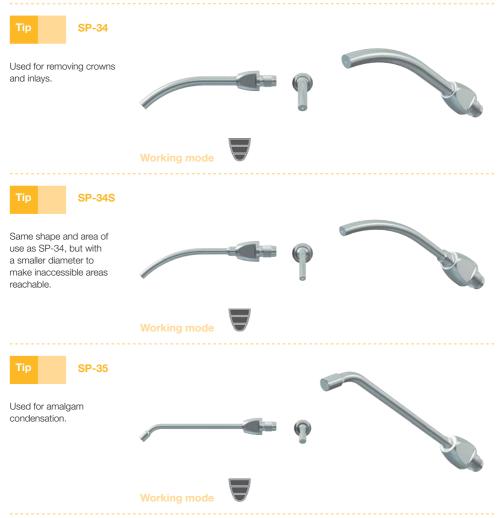
Special purpose



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.









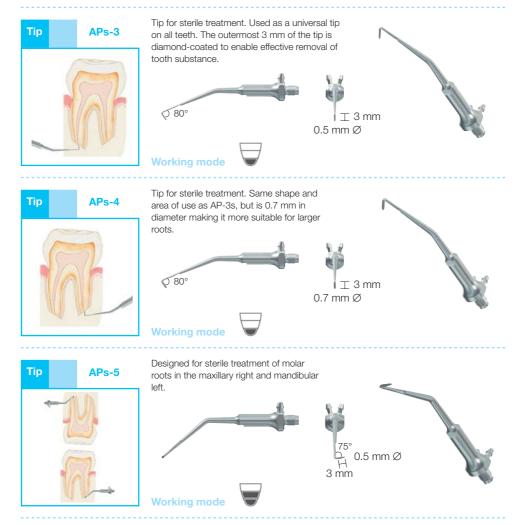
Sterile treatment



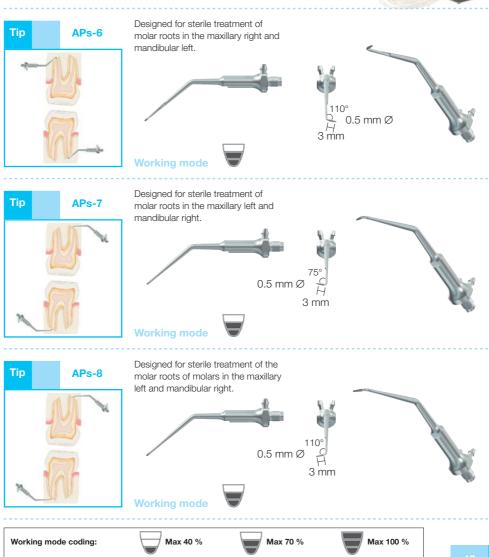
Sterile treatment

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.





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. ProPower SteriKit is a safe and reliable sterile system that bypasses current water delivery system completely. The SteriKit has pressurized irrigation system which allows easy and cost efficient installation. There is no need for expensive peristaltic pump. SteriKit is compatible with every Amdent and LM ultrasonic device.



Sterile treatment



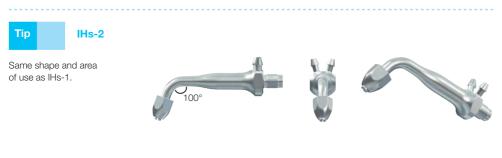


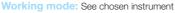
IHs-1

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





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.

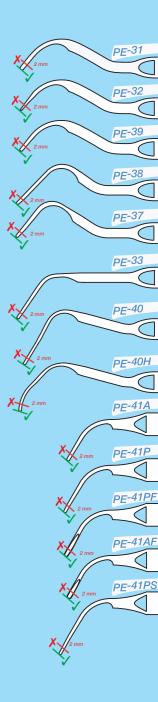
Check your tips!

Remember to check your periodontal tips with this template regularly. When a tip is worn down more than 2 mm replace it to

-increase efficiency and accessibility
-increase patient comfort
-increase safety
-save time and money.



Place the tip on the diagram to check for wear.



LM-Instruments Oy

PL 88 (Norrbyn rantatie 8) FI-21601 Parainen Finland Tel. +358 2 4546 400 Fax +358 2 4546 444 info@lminstruments.com www.lminstruments.com

Contact your local dealer!