www.acteongroup.com

YouTube

To visualize our Youtube channel:
www.youtube.com/user/acteonsatelec

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ACTEON

I AM CARING

DENTAL TIPS
Preserve teeth

EN

ACTEON

Tips are our expertise

Since ACTEON® EQUIPMENT developed the first ever piezoelectric scaler for dentistry, 45 years ago, we have constantly innovated in new electronics and ultrasonic tips. With continuous R&D investments, and partnership with clinicians, universities and dental experts worldwide, we have been able to develop a unique, world-renowned expertise, which is marketed in more than 135 countries.

Our goal is to provide clinical and technical innovations that meet dentists' and dental hygienists' requirements, as well as clinical applications and patients expectations evolution.

Having nearly 80 different tips, ACTEON® EQUIPMENT offers the widest range of instruments covering all clinical fields: prophylaxis, periodontics, implant care, endodontics and prosthesis.
For each indication, NEWTRON® tips are designed with exclusive alloys respecting the surfaces treated: enamel, prosthesis, implants.

The Color Coding System™ CCS intuitively associates each tip with one of the 4 available power ranges, for maximum efficacy and a sustainable tip use.

Exclusive and patented, NEWTRON® technology brings to treatments more preservation, efficacy and comfort.

Only our industrial procedures and stringent quality control can guarantee perfect tip adaptation on our ultrasonic generators. The electronics module, the handpiece and the tip are designed to interact in harmony and deliver optimum performance for you and your patients.

Contents

Preserve teeth with perfect ultrasonic vibrations and steel tip quality

NEWTRON® technology and tips respond to practitioners clinical expertise.

The ultrasonic micro-oscillations transmitted from the handpiece to the tip generate perfectly linear movement. Therefore the tip undergoes to-and-fro movements in the axis of the handpiece.
The active area of each tip is located on the distal 2-3 mm. This working section may be applied on the surface to be treated, moving progressively from the crown to the root.

The linear movement of the tip can be used in various ways which are also complementary:

fig.1

- sweeping: indicated for scaling and disrupting the biofilm
- ✔ the tip must be applied tangentially on the part to be treated, and used over its entire active section (fig.1)

fig.2

- hammering: used to fragment large tartar deposits and remove cements
- ✔ the tip must be positioned facing the element to be detached, and used without pressure on its point (fig.2)

NEWTRON® technology, a guarantee of efficacy and safety

- Preservation
  - ✔ controlled vibrations
  - ✔ steel tip quality
  - ✔ total irrigation control
- Efficacy
  - ✔ frequency adjustment
  - ✔ power regulation
  - ✔ powerful cavitation
- Comfort
  - ✔ linear and regular vibrations

NEWTRON TECHNOLOGY

The ultrasonic vibrations also cause a biological effect called cavitation, which has interesting benefits.
When a liquid is exposed to ultrasonic vibrations, the acoustic wave induces quite large pressure changes to create small bubbles of vapor called cavitation.
These bubbles are extremely unstable and burst violently, leading to the fragmentation and removal of the deposits.
In addition cavitation creates micro-bubbles of oxygen which have a cleansing, disinfectant effect*.

* Lea S.C. "Cavitation damage to ultrasonic scalers" - Dental Health 2008; 47:2-6

PROPHYLAXIS

Daily prevention and treatment

First step supra-gingival scaling

scaling

Ref. F00246 **1**

Universal tip

Recommended for simple cases: gross supra-gingival scaling.

- Tangential orientation to the surface.
- To-and-fro sweeping to "detach" the tartar whilst respecting the enamel.

Ref. F00247 **2**

Voluminous calculus

Indicated for the removal of significant supra-gingival deposits. Apply the flat part to the tooth surfaces.

Ref. F00248 **3**

Stains

Removal of marks and stains (tobacco, tea, coffee, etc.).
The tip is used by applying the rounded extremity to the surface to be treated.

Scaling Kit (Ref. F00900): supplied with tips No.1, No.2, No.10X and No.10Z, an autoclavable plastic box and 4 autoclavable blue torque wrenches.

Versatile, gentle hygiene treatment

hygiene

Ref. F00245 **1S**

Slim tip

Developed for supra- and sub-gingival scaling.
Its more active lateral edges make it suitable for scaling the interproximal spaces.

Finer and longer than tip No.1, it is also powerful and robust.

Ref. F00359 **10X**

Interproximal

With its flat active part, it is particularly suitable for the interproximal spaces and supra-gingival scaling.
Its anatomical shape allow fast and efficient procedure.

Scaling Kit (Ref. F00934): supplied with tips No.1, No.1S, No.10X and H3, an autoclavable plastic box, 3 blue and one green autoclavable torque wrenches.

Sub-gingival scaling and probing

scaling

Ref. F00253 **10P**

Shallow pockets

Fine round instrument suitable for scaling pockets less than 2-3mm deep.

Ref. F00254 **10Z**

Sub-gingival

Recommended for scaling medium pockets (< 4mm).
Removal of biofilm and soft deposits, while evaluating the depth of the pockets using the marks every 3mm.

This tip is efficient for maintenance treatment in patients with good dental hygiene.

Minimal excavation and micro-abrasion

excavus

Prophylaxis

Ref. F02040 **EX1**

Diamond-coated ball tip 76µm

- Preparation of the occlusal surface and cervical margins.
- Removal of hyper-mineralised dental structure.

Ref. F02041 **EX2**

Mesial ½ ball diamond-coated tip 76µm

Preparation of the mesial surface without lesions on the adjacent tooth surface.

Ref. F02042 **EX3**

Distal ½ ball diamond-coated tip 76µm

Preparation of the distal surface without lesions on the adjacent tooth surface.

Ref. F02044 **EXL**

½ ball diamond-coated left-oriented tip, 76µm

Curved 45° to the left, the EXL tip allows access to the lesion, particularly in posterior areas, without damaging adjacent teeth.

Excavus tips provide excellent abrasion quality due to the regularity of their diamond coating.*

Ref. F02043 **EXR**

½ ball diamond-coated right-oriented tip, 76µm

Curved 45° to the right, the EXR tip allows access to the lesion, particularly in posterior areas, without damaging adjacent teeth.

* Takanashi H. "Effect of ultrasonic diamond tip on dentin bonding of composite" IADR/AADR/CADR-2007; poster 1509

Excavus Kit (Ref. F00739): supplied with EX1, EX2, EX3, EXL and EXR tips, a metal holder and an autoclavable universal wrench.

PERIODONTICS

Gentle, non-surgical periodontal treatments

Periodontal debridement

periodontics

Ref. F00369 **H3**

Initial periodontics, anterior sector

Ideal instrument for initial treatment, it makes treatment of the incisor-canine block possible.
The guide edge is oriented parallel to the pocket.

The H3 tip is descended into the periodontal pocket without risk of injury to the ligament. The cavitation will lift the debris out.

Ref. F00114 **H4L**

Periodontics for the premolar and molar sectors, left-oriented

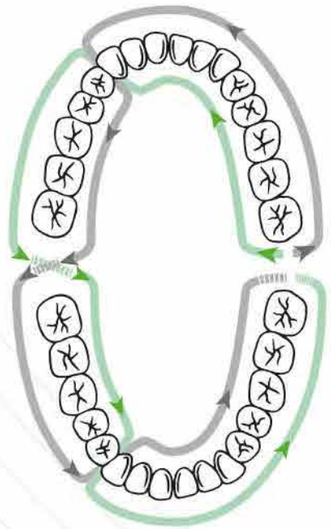
First instrument in the sequence for treating all the surfaces and the furcations.
- Maxillary: buccal and distal surfaces of sector 2, pivots at 13, then the buccal and mesial surfaces of sector 1.
- Mandibular: buccal and distal surfaces of sector 4, pivots at 43, then lingual and mesial surfaces of sector 3.

Ref. F00115 **H4R**

Periodontics for the premolar and molar sectors, right-oriented

Second instrument in the sequence, it follows the use of the H4L tip.
- Maxillary: palatine and mesial surfaces of sector 2, pivots at 13, then buccal and distal surfaces of sector 1.
- Mandibular: lingual and mesial surfaces of sector 4, pivots at 43, then buccal and distal surfaces of sector 3.

The H4L and H4R tips make it possible to treat the whole mouth in a single session.



Perio Kit (Ref. F00936): supplied with No.1S, H3, H4L and H4R tips, an autoclavable plastic box, one blue and 3 green autoclavable torque wrenches.

Biofilm disruption

periomaintenance

BDR

Ref. F01001 **TK1-1S**

Short probe

Graduated every 3mm, the TK1-1S tip is recommended for examining shallow and medium pockets (< 4mm) and for the maintenance of simple cases.

Ref. F01004 **TK1-1L**

Long probe

Recommended for examining and maintenance of medium to deep pockets (> 4mm).
It is a diagnosis aid during the debridement and irrigation of pockets.

The TK1 probe tips are used without pressure following the contour of the pockets and skimming over the root surface.

Ref. F02162 **TK2-1L**

Maintenance of the premolar and molar sectors, left-oriented

Recommended for the maintenance of moderate to deep pockets and furcations.
Equivalent to the Nabers probe.

Ref. F02161 **TK2-1R**

Maintenance of the premolar and molar sectors, right-oriented

It is complementary to the TK2-1L tip and is recommended for the maintenance of moderate to deep pockets and furcations.
Equivalent to the Nabers probe.

BDR Maintenance Kit (Ref. F00937): supplied with TK1-1S, TK1-1L, TK2-1L and TK2-1R tips, an autoclavable plastic box and 4 green autoclavable torque wrenches.

Root planing

periodontics

Ref. F00366 **H1**

Anterior tooth root planing, diamond-coated tip 30 µm

- Diamond-coated mini-tip recommended for simple cases in the cervical area.
- Also effective for the withdrawal of granulation tissue.

The H1 tip should be used without pressure and above the epithelial attachment because it is abrasive.

Ref. F00367 **H2L**

Root planing of the premolar and molar sectors, left-oriented, diamond-coated tip 30 µm

Diamond-coated micro-probe recommended for the treatment of furcations and narrow spaces.

Ref. F00368 **H2R**

Root planing of the premolar and molar sectors, right-oriented, diamond-coated tip 30 µm

Diamond-coated micro-probe recommended for the treatment of furcations and narrow spaces.

The H2 tips are also effective for the treatment of abscesses.

Intro Perio Kit (Ref. F00718): supplied with H1, H2L, H2R and H3 tips, an autoclavable plastic box and 4 green autoclavable torque wrenches.

Periodontal maintenance

perioPrecision

Ref. F00090 **P2L**

Debridement of the premolar and molar sectors, left-oriented

Round micro-tip recommended for periodontal debridement in the presence of a fine peridontium and in narrow areas.

- Maxillary: buccal and distal surfaces of sector 2, pivots at 13, then the palatine and mesial surfaces of sector 1.
- Mandibular: buccal and distal surfaces of sector 4, pivots at 43, then lingual and mesial surfaces of sector 3.

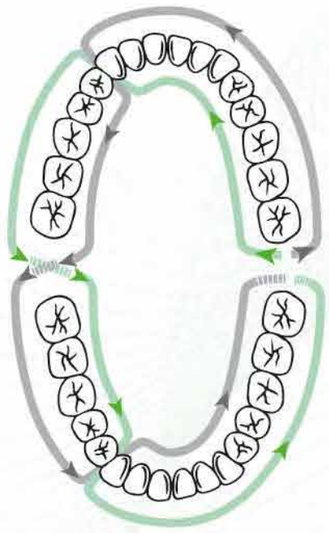
Ref. F00091 **P2R**

Debridement of the premolar and molar sectors, right-oriented

Second instrument in the sequence, it follows the use of the P2L tip.
The double bend makes it possible to treat areas that are difficult to access (inter-radicular spaces, deep pockets).

- Maxillary: buccal and mesial surfaces of sector 2, pivots at 13, then buccal and distal surfaces of sector 1.
- Mandibular: lingual and mesial surfaces of sector 4, pivots at 43, then buccal and distal surfaces of sector 3.

The P2 tips can also be used to remove small amounts of excess cement when bonding fixed prosthesis.



PerioPrecision Kit (Ref. F00739): supplied with P2L, P2R and TK1-1S tips, an autoclavable plastic box and 3 green autoclavable torque wrenches.

IMPLANT CARE

Implant prevention and treatment

Implant and prosthesis prevention

perioSoft

Ref. F00702 **PH1**

Hygiene of anterior sector

Plastic micro-tip with universal curette shape for the treatment of the incisor/canine groups.
- Removal of the biofilm and low adherence deposits without scratching the prosthetic surfaces.
- Polishing the sulcus or grooves of natural teeth.

The new material for these tips makes it possible to clean and debride faster, and gives better breakage resistance. Max. Power = 3 (start of green mode).

Ref. F00705 **PH2L**

Hygiene of premolar and molar sectors, left-oriented

Plastic micro-tip with 13-14 curette shape for the removal of biofilm and low adherence deposits
for the treatment of the posterior groups.
- Maintenance for the screws and abutment of the implant.
- Scaling of prosthesis.

Ref. F00706 **PH2R**

Hygiene of premolar and molar sectors, right-oriented

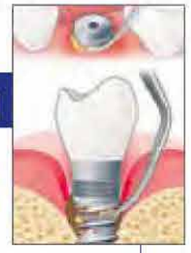
Plastic micro-tip with 13-14 curette shape for the removal of biofilm and low adherence deposits for the treatment of the posterior groups.

Periosoft Kit (Ref. F00906): supplied with 4 PH1 tips, 4 PH2L tips and 4 PH2R tips, an autoclavable plastic box and 3 autoclavable black wrenches.

Treatment of peri-implantitis and maintenance

implantProtect

Pure Titanium



Ref. F02121 **IP1**

Debridement of the implant abutment and wide threads

Pure titanium tip with a wider extremity for implant abutment cleaning and large thread debridement.

The pure titanium ImplantProtect tips preserve implant surfaces.

Ref. F02122 **IP2L**

Debridement of medium implant threads, left-oriented

Pure titanium tip with a similar shape to P2L tip for the debridement of medium implant threads. The bend of the tip allows movement around the entire implant for total decontamination.

Ref. F02123 **IP2R**

Debridement of medium implant threads, right-oriented

Pure titanium tip with a similar shape to P2R for the debridement of medium-sized implant threads.
The approach may be non-surgical or open flap.

Ref. F02124 **IP3L**

Debridement of narrow implant threads, left-oriented

Pure titanium tip with a pointed extremity suitable to reach narrow implant threads. All types of implants can be treated with these different tip sizes.

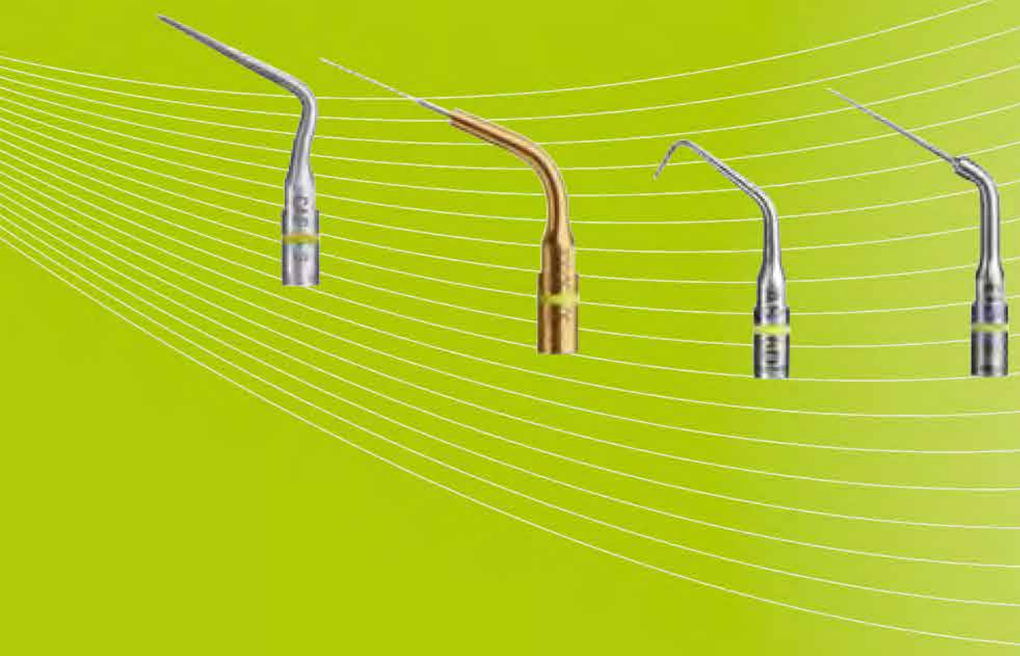
The black ring on these tips indicates their exclusive use on titanium. Max. Power = 5 (green)

Ref. F02125 **IP3R**

Debridement of narrow implant threads, right-oriented

Pure titanium tip with a pointed extremity suitable to reach the inner-most parts of narrow implant threads.

ImplantProtect Kit (Ref. F02120): supplied with IP1, IP2L, IP2R, IP3L and IP3R tips, a metal holder and an autoclavable universal wrench.



All state-of-the-art

ENDODONTICS

Canal access preparation

endosuccess
Canal Access Prep

Ref. F88181

CAP1

Micro-blade tip length 12mm, taper 6%

The CAP1 tip is used with the active lateral part for:
- Finishing walls and polishing.
- Removing temporary cement and dentinal residues.
- Removing dentin overhangs.

The CAP1 tip has a non-active end to prevent the risk of perforating the pulp chamber floor.

Ref. F88182

CAP2

Micro-blade tip, length 9mm, taper 5%

The CAP2 tip has active lateral part and extremity and is used by sweeping method to remove dentine bridges.
- Location of the MB2 (2nd mesiobuccal canal) and search for hidden canals.
- Preparation of the pulp chamber.
- Removal of the dentine layer which may hide the access to the MB2 canal.

The micro-blades are less aggressive than diamond and their coating makes these tips very durable.

Ref. F88183

CAP3

Micro-blade tip, length 8mm, taper 6%

The CAP3 tip has a very pointed extremity indicated for:
- Locating and opening the calcified canals.
- Fragmenting calcifications or pulp stones in the pulp chamber.
- Loosening fiber posts.
- Locating accessory canals.

Due to its very sharp point, the CAP3 tip must be handled with care (visual aids recommended).

Ref. F88017

ET18D

Diamond-coated steel tip 76µm, length 18mm, taper 5%

The ET18D tip is a diamond-coated tip for:
- Finishing the access cavity.
- Removing dentine overhangs, calcifications and filling materials.

Ref. F88020

ETBD

Diamond-coated ball tip, length 20mm, taper 5%

Diamond-coated ball tip for searching for canals and locating calcified canals.

EndoSuccess Canal Access Prep Kit (Ref. F88180): supplied with CAP1, CAP2 and CAP3 tips, metal holder and autoclavable universal wrench.

Canal irrigation

Endodontics

irrisafe

IRRI 20, 25

Passive ultrasonic irrigation (PUI) files of different lengths and diameters

Irrisafe™ files adapt to many sizes of canal:
- Ø 20 length 21mm and 25mm
- Ø 25 length 21mm and 25mm

Irrisafe™ files are used for irrigation once the root canal has been prepared.
- 20ml of irrigant (NaOCl) are injected into the canal.
- Irrisafe™ is inserted 2mm short of the working length and activated by performing withdrawal movements to flush the debris and the smear layer upwards.
- Repeated 3x 1 minute in each canal.

Irrisafe™ safely eliminates the smear layer, dentine debris and bacteria from the root canal. Its blunt tip prevents any risk of perforating the apex or the canal walls.

Files K 10, 15, 25, 30

Files of different lengths and diameters, taper 2%

The K files adapt to many sizes of canal:
- Ø 10 length 21mm and 25mm
- Ø 15 length 21mm and 25mm
- Ø 25 length 21mm and 25mm
- Ø 30 length 21mm and 25mm

The indications for K files are irrigation, withdrawal of calcified dentine and gutta percha, and the withdrawal of broken instruments.
For irrigation ultrasonic files are used with a disinfectant solution. To provide a final decontamination, use sodium hypochlorite until the smear layer is removed.

K files are very sharp instruments and should be handled with precision. However they are flexible and can therefore be pre-bent.

* van der Sluis L.W.M. "Passive ultrasonic irrigation of the root canal: a review of the litterature" Int. Endodont. J. 2007; 40; 4: 415-428

Blister packs of 4 files: IRR 20-21 (Ref. F43807), IRR 20-25 (Ref. F43808), IRR 25-21 (Ref. F43805), IRR 25-25 (Ref. F43806).

Blister packs of 4 files: K10-21 (Ref. F43710), K10-25 (Ref. F43712), K15-21 (Ref. F43715), K15-25 (Ref. F43717), K25-21 (Ref. F43725), K25-25 (Ref. F43727), K30-21 (Ref. F43730), K30-25 (Ref. F43732).

Canal Retreatment

endosuccess Retreatment

Ref. F88011 **ET20**

Retreatment tip, length 20mm, taper 6%

The ET20 steel tip is used in the 1st coronal third:
- Extraction of filling material, silver points, broken instruments.
- Removal of debris and the smear layer.

Ref. F88013 **ET20D**

Diamond-coated retreatment tip, 30 µm, length 20mm, taper 5%

The ET20D tip in diamond-coated steel is used in the 1st coronal third to remove very hard materials by brushing the walls.

The diamond coating of the ET20D tip increases the cutting and lateral abrasion effect.

Ref. F88018 **ET25**

Titanium-Niobium tip, length 20mm, taper 3%

Suggested tip for retreatment in the middle and apical thirds and the extraction of broken instruments.

The Titanium-Niobium alloy of the ET25 range allows perfect transmission of the ultrasonic vibrations and tip flexibility.

Ref. F88021 **ET25S**

Short Titanium-Niobium tip, length 15mm, taper 4%

The ET25S (short) tip is designed for retreatment in the coronal third and the isthmuses.

EndoSuccess Retreatment Kit (Ref. F00737): supplied with ET18D, ET20, ET25, ET25S, ETBD and ETPR tips, a metal holder and an autoclavable universal wrench.

* E.W. Collings "Applied superconductivity, metallurgy and physics of titanium alloys" 1985

Retreatment and obturation

endodontics

Ref. F88012 **ET40**

Long retreatment tip, 40mm, taper 4%

The ET40 is a steel tip for rapid removal of broken instruments in the middle third of wide, straight canals.

Ref. F88014 **ET40D**

Long retreatment tip, 40mm, diamond-coated 30 µm, taper 4%

The ET40D is a diamond-coated steel tip for retreatment of very hard material in the middle third.

Ref. F88022 **ET25L**

Long Titanium-Niobium tip, 25mm, taper 3%

The ET25L (long) is suitable for retreatment in the apical third and long, straight canals.

ET25 tips can be pre-formed for the treatment of curved canals.

Ref. F88009 **SO4**

Fine condenser, length 40mm, taper 4%

The SO4 tip is designed for lateral condensation of gutta percha by heating effect. It is used dry, without irrigation.

Endo Kit (Ref. F00925): supplied with ET20D and ET40D tips, a blister pack of 4 K15-21 files, a blister pack of 4 K15-25 files, an autoclavable plastic box and an autoclavable universal wrench.

Apical Surgery

endosuccess Apical Surgery

Ref. F00065 **AS3D**

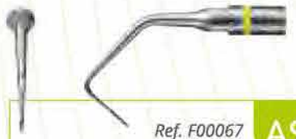
Diamond-coated universal tip 30µm, length 3mm, taper 9%

The AS3D tip is intended for apical surgery of anterior teeth. It should be used without pressure, at the lowest possible effective power.

Ref. F00079 **AS6D**

Diamond-coated tip 30µm, length 6mm, taper 9%

Second instrument in the sequence, it should be used to obtain a preparation length of 5mm at least.



Ref. F00067 **AS9D**

Diamond-coated tip 30µm, length 9mm, taper 8%

The AS9D tip is for complex cases and allows preparation of the root canal up to the coronal third. The diamond coating of the AS9D is only present on the extremity of the instrument not to over-prepare the canal.

The AS9D tip should first be introduced into the canal and oriented in the root axis before being activated to prevent the creation of a "false route".

Ref. F00081 **ASRD**

Right-oriented tip, diamond-coated 30µm, length 3mm, taper 10%

The ASRD tip is recommended for apical surgery of premolars and molars.

The Apical Surgery kit, with its unique 3-6-9mm concept, offers a controlled retrograde endodontic treatment with greater preservation of bone and dental tissue.

Ref. F00080 **ASLD**

Left-oriented tip, diamond-coated 30µm, length 3mm, taper 10%

Recommended for apical surgery of premolars and molars.
This instrument should be used with very light pressure.

EndoSuccess Apical Surgery Kit (Ref. F00069): supplied with AS3D, AS6D, AS9D, ASLD and ASRD tips, a metal holder and an autoclavable universal wrench.

Retro Surgery

endosurgery

Ref. F00118 **S12-70D**

Retro surgery tip angled at 70°, diamond-coated 30µm, length 5mm, taper 9%

The S12-70D tip is recommended for the treatment of posterior areas, in canals that are difficult to access or roots with specific orientations.

Ref. F00106 **P14D**

Universal retro surgery tip, diamond-coated 30µm, length 5mm, taper 7%

The P14D tip is recommended for the preparation of canals in anterior teeth.

The micro-retro tips make minimum treatment possible providing fast healing.

Ref. F00107 **P15LD**

Left-oriented retro surgery tip, diamond-coated 30µm, length 5mm, taper 7%

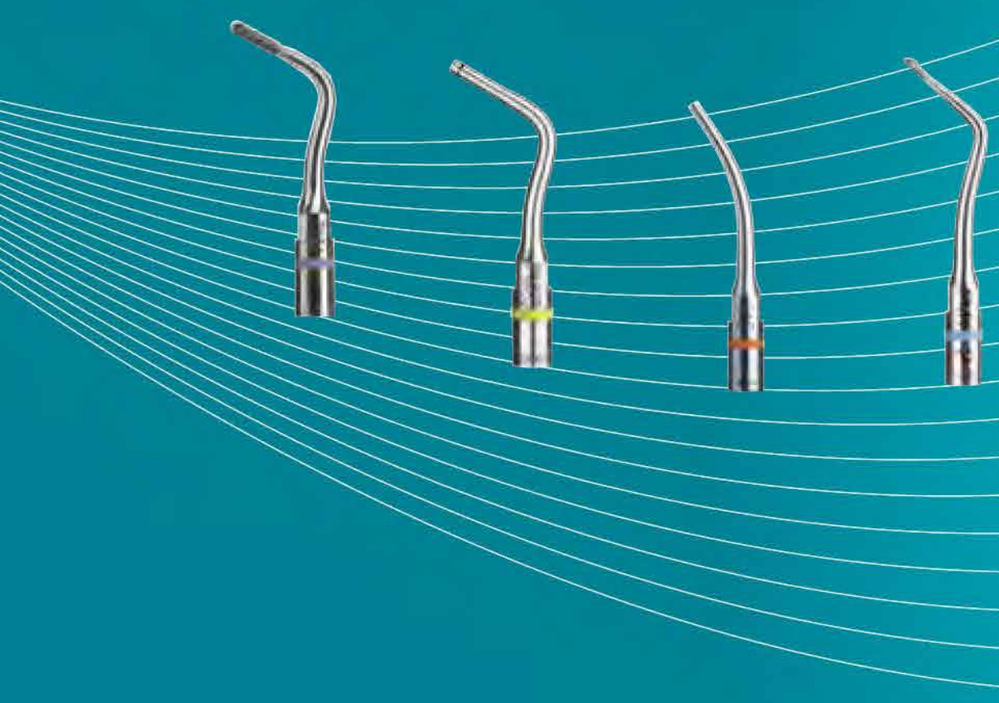
The P15LD is recommended for the preparation of premolar and molar canals.

Ref. F00108 **P15RD**

Right-oriented retro surgery tip, diamond-coated 30µm, length 5mm, taper 7%

The P15RD is recommended for the preparation of premolar and molar canals.

Micro-Retro Kit (Ref. F00912): supplied with P14, P15LD and P15RD tips, an autoclavable plastic box and 3 autoclavable yellow wrenches



PROSTHESIS & ESTHETICS

Perfection to the limit

Prosthetic finishing with chamfered shape

perfectmargin Rounded

Ref. F02250 **PM1**

Preparation, rounded edge, diamond-coated tip 76 µm

First instrument of the ultrasonic sequence, following the rotary phase.
Intrasulcular dentin preparation and positioning of finishing line.

PerfectMargin Rounded and Shoulder tips have a laser marking at 1mm to control their penetration into the sulcus.

Ref. F02251 **PM2**

Finishing, rounded edge, diamond-coated tip 46 µm

Correction of irregularities in the finish line and start of polishing.
Its diamond coating, less dense than on the PM1, makes it possible to obtain a cutting edge finish.

Ref. F02252 **PM3**

Polishing, rounded edge, smooth

This entirely smooth instrument is last in the finishing sequence, improving the condition of the surface at the cervical limit before impression taking.

Ref. F02253 **PM4**

Corono-radicular preparation, conical, diamond-coated 46 µm

After the rotating phase the PM4 tip is used to:
- Prepare the upper ⅓ of canal chamber.
- Shape anatomically the connection cone.
- Clean the root walls.
- Smooth the entry cones for the anatomical posts.

The PM4 tip is available in both PerfectMargin kits.

PerfectMargin Rounded Kit (Ref. F00738): supplied with PM1, PM2, PM3 and PM4 tips, a metal holder and an autoclavable universal wrench.

Prosthetic finishing with shoulder shape

perfectmargin Shoulder

Ref. F02254 **PMS1**

Preparation, shoulder shape, diamond-coated tip 76 µm

First instrument of the ultrasonic sequence, after the rotary phase.
Penetration of the sulcus to continue preparation the dentine, in order to correct the "lip" of the preparation and obtain a shoulder-shape finishing line.

Ref. F02255 **PMS2**

Finishing, shoulder shape, diamond-coated tip 46 µm

Shoulder shape finishing line without risk of a lesion in the attachment system, and beginning of polishing thanks to its lower grit diamond-coating.

When the yellow setting of the ultrasonic generator is used, PM2 and PMS2 can be used for polishing the dentine.

Ref. F02256 **PMS3**

Polishing, shoulder shape, smooth

Polishing and improvement in the surface.

Finishing with a smooth tip enables a better quality of impression taking and provides better cement adhesion.

PerfectMargin Shoulder Kit (Ref. F00736): supplied with PMS1, PMS2, PMS3 and PM4 tips, a metal holder and an autoclavable universal wrench.

Ceramic veneers finishing

perfectmargin Veneers

Ref. F02021 **PMV1**

Diamond-coated ball 107 µm

Perform cuts on the incisal edge, by controlling the depth with the round tip radius. Then join the depth cuts to obtain an homothetic reduction of 1.5mm.
Complete the vestibular reduction.

Ref. F02022 **PMV2**

Diamond-coated external spoon 107 µm

After gingival retraction with Expazyl®*, place the gingival finishing lines margins using the PMV2 tip parallel to the surface to be prepared. Place the interproximal finishing lines using the PMV2 and 3 tips, with chuck maintained perpendicular on the surface.

Ref. F02023 **PMV3**

Diamond-coated internal spoon 107 µm

Place the incisal margins in butt-margin using the PMV3 tip, perpendicular to the prepared surface.
Then join the incisal and proximal finish lines with the PMV2/3.

The positioning of interproximal finishing lines with the PMV2 and 3 tips enables to establish a rotational path of insertion for veneers.

Ref. F02024 **PMV4**

Smooth external spoon

Polish the interproximal and gingival finishing lines with PMV4 and 5 tips, with chuck maintained perpendicular on the surface.

Ref. F02026 **PMV6**

Smooth ball

Polish the vestibular surface and the incisal finishing lines.

Ref. F02025 **PMV5**

Smooth internal spoon

Polish the interproximal and gingival finishing lines with PMV4 and 5 tips, with chuck maintained perpendicular on the surface.

PerfectMargin Veneers Kit (Ref. F02020) : supplied with PMV1, PMV2, PMV3, PMV4, PMV5 and PMV6 tips, a metal holder and an autoclavable universal wrench.

* This medical device is a health product which carries CE marking under this regulation. Read the instructions in the leaflet accompanying the product carefully. Marketed by PIERRE ROLLAND®. Date advertising established: April 2015. Update available at www.acteongroup.com

Loosening and condensation

Ref. F00249 **5AE**

Loosening with spray

Recommended for the loosening of root canal posts, in combination with endodontic retreatment tips, and crowns.
Apply the 5AE tip on the lingual or palatine surface and the buccal surface, before finishing with the occlusal surface. Use the flat extremity of the instrument held firmly against the tooth.

This tip has a spray orifice, making it possible to cool the operative field to compensate the heating effect transmitted to the prosthetic structure on the underlying tooth.

Ref. F00113 **C20**

Condensation, Piezocem

Condensation tip for inlays or onlays on posterior teeth.
The application is performed by sequences of ten seconds each time, until the prosthesis is perfectly integrated into the cavity.
In general two to three sequences are sufficient; after each sequence the excess cement is removed from the margin edges.

Ref. F88019 **ETPR**

Loosening tip (post removal)

Powerful steel tip for loosening posts and crowns. Used with irrigation, in contact with the prosthetic element to be loosened and at maximum power.

The ETPR tip has profiled and concave shape. It provides greater efficacy on the posterior teeth.

SETTINGS RECOMMANDATIONS

Tips \ Newtron Units	POWER	IRRIGATION
PROPHYLAXIS		
1 / 2 / 3 / 1S	14	
10P	14	
10X / 10Z	12	
EX1 / EX2 / EX3 / EXL / EXR	12	
PERIODONTICS		
H1 / H2L / H2R / H3 / H4L / H4R	2	
P2L / P2R	3	
TK1-1S	2	
TK1-1L / TK2-1L / TK2-1R	2	
IMPLANT CARE		
PH1 / PH2L / PH2R	2	
IP1	3	
IP2L / IP2R / IP3L / IP3R	5	
ENDODONTICS		
CAP1	10	
CAP2 / CAP3	10	
ET18D	10	
ET20 / ET25 / ET25S / ETBD	7	

Tips \ Newtron Units	POWER	IRRIGATION
ENDODONTICS		
ET20D / ET25L / ET40 / ET40D	7	
IRR20-21/ IRR20-25 / IRR25-21 / IRR25-25	9	
K10 / K15 / K25 / K30	6	
AS3D / AS6D	7	
AS9D	6	
ASLD / ASRD	7	
P14D / S12-70D	7	
P15LD / P15RD	7	
SO4	7	
PROSTHESIS & ESTHETICS		
PM1 / PMS1	15	
PM2 / PMS2	10	
PM3 / PMS3	8	
PM4	15	
PMV1 / PMV2 / PMV3	15	
PMV4 / PMV5 / PMV6	10	
5AE / ETPR	20	
C20	11	

drop-by-drop · medium spray · high spray · no irrigation

ADJUSTMENT OF THE IRRIGATION FLOW IS ESSENTIAL

In order to obtain good drop-by-drop suitable for periodontal treatments, and a spray that does not create aerosol, the adjustment of the irrigation must be adapted to each tip:

1/ Set the irrigation flow rate to 0 and the power to 3 on the ultrasonic generator.

2/ Hold the handpiece with the tip pointing upwards.
3/ Adjust the spray by progressively increasing the flow rate so that the irrigation sprays the tip point with drop-by-drop.

4/ Set the machine to the required power.

5/ Start working with aspiration close to the tip.

NON GENUINE ACTEON® EQUIPMENT TIPS
MAY COST YOU A LOT MORE

Normal screw thread with ACTEON® EQUIPMENT tips

Worn screw thread with non genuine ACTEON® EQUIPMENT tips

Broken screw thread with non genuine ACTEON® EQUIPMENT tips

ACTEON® EQUIPMENT has always designed tips that respect the tooth's anatomy and vibrate in perfect harmony with the handpiece.
The potential imperfections in compatibility of brand x tips, both physical and electronic, may cause risks and premature wear of equipment.

Risks for the patient

- Risk of damaging patient's tissues (enamel, cement, etc.).
- Risk of breaking the tip, possibly with the broken piece being swallowed or inhaled by the patient, or lost in the tissues.

Risk for the equipment

Risk of handpiece heating (meaning a loss in electromechanical output), which could lead to handpiece damage.

Loss of efficiency

Tip wear alters its efficiency (-2mm = -50% efficiency), reduces its roughness, vibration and movement.

Understandably, ACTEON® EQUIPMENT's liability - both legal and with regard to warranty of parts and accessories - cannot be engaged for damages that arise from the use of any other than genuine accessories.

You always come back to ACTEON® EQUIPMENT tips.

The only way to make real savings and not damage teeth.