

ENDODONTICS

DENITAL
CATALOG

WHAT DO YOU CALL A CONVICTION
THAT EVERYTHING CAN ALWAYS BE
A LITTLE BETTER, EASIER AND MORE
RELIABLE?

WE CALL IT
Upgrade Dentistry

With expertise and enthusiasm, COLTENE turned this claim into reality. We know exactly our end customers needs and want and work tirelessly to provide them with innovative and smart solutions.

This is not an empty promise, it is our mission. Upgrading Dentistry makes dental treatments more effective, safe and economical for dental professionals and patients.

Better Quality. Better Reliability. Better Practise.



www.coltene.com



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Obtaining an accurate diagnosis is a critical step in endodontic treatment. In addition to reviewing the patient's chief complaint, medical history, dental history, and history of symptoms, objective findings must be collected and radiographs must be reviewed in order to make a definitive diagnosis.



Percussion Test



Icing the cotton pellet with Endo-Frost



Cold testing with Endo-Frost

The normal response of nerve fibers can be tested by stimulating the nerve endings of the pulp with a cold spray. As a result of this test, the vitality (existing blood flow) of the tooth can be verified.

It's important to note that use of pain relief drugs can cause a false reading (tooth is vital but does not respond to cold) or that a false cold sensation may occur on teeth with an adjacent metal restoration.

roeko Endo-Frost





ROEKO Endo-Frost



- Cold spray, 200 ml
- Temperature -50 °C
- Spray nozzle for precise application
- For freezing pellets and dental rolls
- Odorless

Endo-Frost

Cold spray, 200 ml

240000

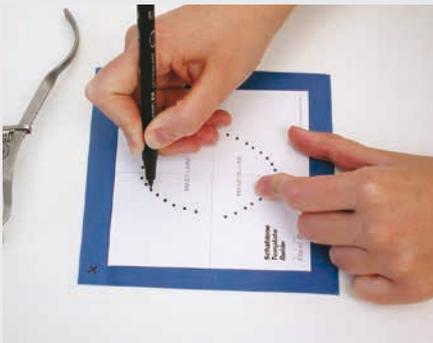
Infection
control

Endodontics



Successful root canal therapy must begin with proper infection control. The Dental Dam is used in dentistry to isolate teeth during dental procedures. Treatment quality significantly increases with the use of the Dental Dam during root canal preparation, changing of medicaments, and obturation because the dental dam allows for an aseptic working environment and retracts the cheek and tongue to allow for optimal viewing. Protecting the mucosa from injury and chemical burns and preventing aspiration of irrigants and instruments, the Dental Dam also ensures that the treatment is delivered safely and efficiently. The use of the Dental Dam is a

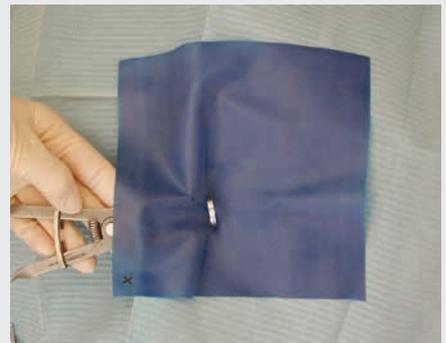
standard of care with root canal therapy and no endodontic procedure should be performed without the Dental Dam in place.



Marking Dam



Punching Dam



Inserting Clamp



Applying Dam



Flossing Dam



Dam Applied

With root canal therapy, single-tooth isolation is ideal when possible. In situations where a tooth is fractured and a clamp cannot easily be stabilized on the tooth or a tooth has proximal decay, a split-dam technique can be used.

Dental Dam





Hygenic® Framed Flexi Dam non latex



- Convenient built-in-frame - saves time
- Highly elastic Flexi Dam material - tear resistant and easy placement
- Latex free - allergy free
- Odourless - patient conform

Size 100 × 105 mm, medium, 20 pcs	
	Purple
	H00750

Hygenic® Flexi Dam® non latex



- Low modulus of elasticity
- Individual sheets without powder
- Extra strength and flexible
- Odourless
- Latex free

Size 152 × 152 mm (6" × 6"), medium, 30 pcs		
	Purple	Green
	H09945	H09946

Hygenic® Dental Dam non latex



- 100% latex free, Powderfree
- Similar tear resistance to natural rubber dam
- Minimum of three years shelf life
- Color reflective

Standard size	15 sheets
Size 152 × 152 mm (6" × 6"), medium	
Green	H09105

Children size	15 sheets
Size 127 × 127 mm (5" × 5"), medium	
Green	H09928

Big pack Standard size	75 sheets
Size 152 × 152 mm (6" × 6"), medium	
Teal green	H09106



Hygenic® Fiesta® Dental Dam (latex)



- Natural rubber latex
- Assorted purple, blue and pink sheets

- Fresh fruit scent for patient and staff comfort

Standard Size		36 sheets
Size 152 × 152 mm (6" × 6")		
Thin		H04639
Medium		H04642
Heavy		H04644

Children Size		52 sheets
Size 127 × 127 mm (5" × 5")		
Thin		H04640
Medium		H04641
Heavy		H04643

Hygenic® Dental Dam (latex)



- Natural rubber latex
- Powdered

- Tear-resistant

Standard Size			36 sheets
Ready cut, Size 152 × 152 mm (6" × 6")			
Light	Thin		H00533
	Medium		H00534
	Heavy		H00535
	Extra heavy		H00536
Dark	Thin		H00538
	Medium		H00539
	Heavy		H00540
	Extra heavy		H00541
Green	Thin		H02146
	Medium		H02147
	Heavy		H02148
	Extra heavy		H02149
Blue	Medium		H03530
	Heavy		H07315

Children Size		52 sheets
Ready cut, Size 127 × 127 mm (5" × 5")		
Light	Thin	H00523
	Medium	H00524
	Heavy	H00525
	Extra heavy	H00526
Dark	Medium	H00529
	Heavy	H00530
	Extra heavy	H00531
Green	Thin	H02141
	Medium	H02142
	Heavy	H02143
Blue	Extra heavy	H02144
	Medium	H03529
	Heavy	H07314



Convenience Standard Size			360 sheets
Size 152 × 152 mm (6" × 6")			
Thin	Thin		H04242
	Green		H04246
	Medium	Light	H04243
Medium	Dark		H04245
	Green		H04247
	Fiesta		H07317

Convenience Children Size		364 sheets
Size 127 × 127 mm (5" × 5")		
Thin	Light	H04236
	Green	H04240
Medium	Light	H04237
	Dark	H04239
	Green	H04241
	Fiesta	H07316



Hygenic® Dental Dam on roll



Standard Size		360 sheets
Size 152 mm x 5.5 m		
Light	Medium	H00514
Dark	Medium	H00519
Green	Thin	H02174
	Medium	H02175
	Extra heavy	H02177

Children Size		364 sheets
Size 127 mm x 6.7 m		
Light	Thin	H00503
	Medium	H00504

ROEKO Flexi Dam non latex



- Latex free
- Powder free
- More tear resistant than latex
- Highly elastic for effective isolation
- No unpleasant odor
- Purple color helps distinguish from latex dams

Flexi Dam non latex 150 x 150 mm, 0,5 mm thick, 30 pcs + template	
Purple	390035
Blue	390033

ROEKO Elasti-Dam powder free*



- Latex
- More tear resistant than standard latex dam
- Powder free
- Controlled low level of protein allows for less exposure to allergenic particles and reduced risk for development of latex allergy

Standard Size		36 sheets
Size 152 x 152 mm		
Medium	Green	60013793
Heavy	Green	60013794

Children Size		36 sheets
Size 127 x 127 mm		
Medium	Blue	60013795
Heavy	Blue	60013796

* acc. to EN 455-3 < 5 mg/sheet 1) up to 44% more elastic, acc. to internal tests



ROEKO Dental Dam Latex



Dental Dam latex 150 × 150 mm; 36 pcs

Thin	390020
Medium	390021
Heavy	390022

Dental Dam Set

Dental Dam Set		390000
Punch Type Ainsworth	1 pc	
Clamp forceps Type Ivory	1 pc	
Clampset	1 pc	
Flexi Dam non latex with template	30 pcs	
Frame acc. to Young	1 pc	

Hygenic® Dental Dam Kits



Complete Kits with punch and forceps

Winged or Wingless clamps

Starter Kit with Winged Clamps 6" × 6" (152 × 152 mm) Dam – green medium; 36 sheets; 6" (152 mm) Plastic frame (H01414); Fiesta 9 winged color-coded clamp pack; 6" Template; Wedjets Cord (small); Dental dam punch; Dental dam forceps	H02778
Starter Kit with Winged Clamps Plastic carrying case ; 6" × 6" (152 × 152 mm) Dam – green medium; 36 sheets; 6" (152 mm) Plastic frame (H01414); Fiesta 9 winged color-coded clamp pack; 6" Template; Wedjets Cord (small); Dental dam punch; Dental dam forceps	H02782
Complete Kit with Wingless Clamps 6" × 6" (152 × 152 mm) Dam – green medium; 36 sheets; 6" (152 mm) Plastic frame (H01414); Fiesta 9W wingless color-coded clamp pack; 6" Template; Wedjets cord (small); Dental dam punch; Dental dam forceps	H02790



Standard Kits without punch and forceps

Winged or Wingless clamps

Kit with Winged Clamps 6" × 6" (152 × 152 mm) Dam – green medium; 36 sheets; 6" (152 mm) Plastic frame (H01414); Fiesta 9 winged color-coded clamp pack; 6" Template; Wedjets Cord (small)	H02779
Kit with Wingless Clamps 6" × 6" (152 × 152 mm) Dam – green medium; 36 sheets; 6" (152 mm) Plastic frame (H01414); Fiesta 9W wingless color-coded clamp pack; 6" Template; Wedjets Cord (small)	H02792
Kit with Wingless Clamps and Metal Frame 6" × 6" (152 × 152 mm) Dam – green medium; 36 sheets; 6" (152 mm) Metal frame (H07083); Fiesta 9W wingless color-coded clamp pack 6" Template; Wedjets cord (small)	H02793



Hygenic® Complete Kit with Brinker Clamps



Complete-Kit

Hygenic Complete Kit with Brinker Clamps	H09715
5" x 5" (127 x 127 mm) Dam – green medium; 52 sheets ;	
5" (127 mm) Plastic frame (H01416); Brinker universal clamp set; 5" Template;	
Latex Wedjets cord (small); Dental dam punch; Dental dam forceps;	
Non-latex Wedjets Stabilizer Cord; Instructional CD (in English)	

Hygenic® Simple Dam Kits



Simple Dam-Kit

With Elasti-Dam	H02900
6" x 6" (152 x 152 mm) Elasti-Dam – green, medium 36 sheets (H11625)	
6" (152 mm) Plastic frame (H01414)	
Fiesta wingless color coded clamps	
6" Template	
Latex Wedjets (thin, yellow)	
Dental dam punch	
Dental dam forceps	
With Flexi-Dam	H02901
6" x 6" (152 x 152 mm) Flexi-Dam non latex – purple, 30 sheets (H09945)	
6" (152 mm) Plastic frame (H01414)	
Fiesta wingless color coded clamps	
6" Template	
Latex Wedjets (thin, green)	
Dental dam punch	
Dental dam forceps	

Hygenic® Wedjets® Stabilizing Cord



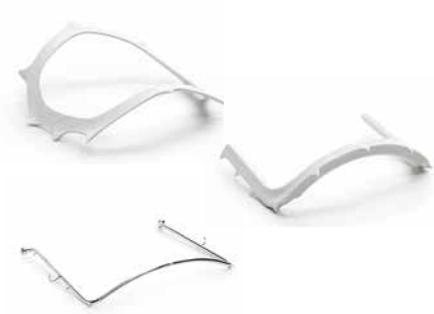
- Latex-available in 3 sizes
- Non-latex-available in 2 sizes
- Alternative to conventional clamp method of securing dental dam
- Eliminates need for use of a rubber dam clamp

Wedjets Stabilizing Cord

Latex		Non-Latex		
Extra small, blue	7 ft. (2.1 m)	H08040	Small, lime green	7 ft. (2.1 m) H06524
Small, yellow	7 ft. (2.1 m)	H06522	Large, aqua blue	7 ft. (2.1 m) H06525
Large, orange	7 ft. (2.1 m)	H06523		



Hygenic® Dental Dam Frame



- Autoclavable

Dental Dam Frame

Ostby plastic frame – radiolucent	6" (152 mm)	H00560
U-shaped plastic frame – radiolucent	5" (127 mm)	H01416
	6" (152 mm)	H01414
U-shaped metal frame	5" (127 mm)	H07082
	6" (152 mm)	H07083

ROEKO Template



- Durable plastic
- Aids with proper placement on the Dental Dam

Template

390042

ROEKO Metal frame



- U-shaped frame made of high quality chrome nickel steel
- Prongs along its length hold Dental Dam secure
- Can be sterilized in autoclave or dry heat sterilizer

Metal frame

390040



ROEKO Clamp Forceps



- Can be sterilized in the autoclave or dry heat sterilizer
- Allow for secure placement of clamp to the tooth
- High quality
- Easy to handle

Clamp Forceps
390011

ROEKO Punch



- Can be sterilized in the autoclave or dry heat sterilizer
- 8 hole size options
- Easy to handle
- High quality

Punch
390010

Hygenic® Dental Dam Forceps



Dental Dam Forceps
Stainless Steel
H01262

Hygenic® Dental Dam Punch



Dental Dam Punch
Stainless Steel
H01261

Hygenic® Ora-Shield® Dental Dam Napkins



- Prevent direct contact of dental dam with sensitive skin
- Soft, non-woven fabric
- Allow for maximal absorption of saliva, water and perspiration

Ora-Shield Dental Dam Napkins 50 pcs
Fits frame sizes 5" (127 mm) and 6" (152 mm)
H01415
Fits Holder (large size)
H00841

Hygenic® Dental Dam Stamp



- Marks standard tooth position on Dental Dam
- Compatible with most office ink pads

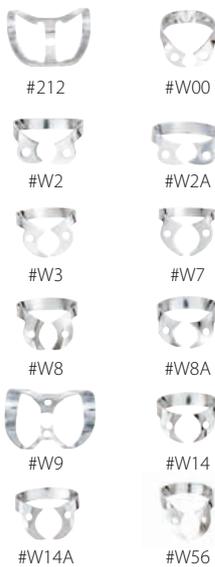
Dental Dam Stamp

5" × 5"	(127 × 127 mm)	H01442
6" × 6"	(152 × 152 mm)	H01443

Dental Dam Template

5" × 5"	(127 × 127 mm)	H01440
6" × 6"	(152 × 152 mm)	H01441

Hygenic® Gloss Finish Wingless Clamps



- Wingless Clamps are designated with a "W" (wingless) for easy identification.

Gloss Finish Wingless Clamps

#212	Anterior teeth	H07792
#W00	Maxillary and mandibular premolar and anterior teeth	H02769
#W2	Premolars and maxillary incisors	H02768
#W2A	Premolars and maxillary incisors	H02775
#W3	Flat jawed, small molars	H03814
#W7	Flat jawed, general purpose, mandibular molars	H02765
#W8	General purpose, maxillary molars	H02767
#W8A	Downward sloped jaws for small, partially erupted molars	H02766
#W9	Anterior teeth	H02770
#W14	For partially erupted or irregularly shaped molars	H02774
#W14A	Downward sloped jaws for large, partially erupted molars	H02764
#W56	Universal molar clamp	H03815



Hygenic® Gloss Finish Winged Clamps



- Allow for placement of dental dam, clamp and frame as one unit

Gloss Finish Winged Clamps		
#00	Maxillary and mandibular premolars and anterior teeth	H02762
#1	General purpose, maxillary premolars	H02703
#2	Premolars and maxillary incisors	H02761
#2A	Premolars and maxillary incisors	H05688
#3	Flat jawed, small molars	H05689
#4	Small maxillary molars, deciduous teeth	H02704
#7	Flat jawed, general purpose, mandibular molars	H02758
#8	General purpose, maxillary molars	H02760
#8A	Downward sloped jaws for small, partially erupted molars	H02759
#9	Anterior teeth	H02763
#12A	Serrated jaw clamp, maxillary left molars	H02706
#13A	Serrated jaw clamp, maxillary right molars	H02705
#14	For partially erupted or irregularly shaped molars	H05690
#14A	Downward sloped jaws for large, partially erupted molars	H02757

Hygenic® Fiesta® Color Coded Matte Finish Winged Clamps



- Color coded for easy identification
- Non-reflective
- Color coded stainless steel organizer

Fiesta Color Coded Matte Finish Winged Clamps		
#2	● Premolars and maxillary incisors	H09957
#2A	● Premolars and maxillary incisors	H09958
#4	● Small maxillary molars, deciduous teeth	H09959
#7	● Flat jawed, general purpose, mandibular molars	H09960
#8A	● Downward sloped jaws, small, partially erupted molars	H09961
#9	● Anterior teeth	H09962
#12A	● Serrated jaw clamp, maxillary left molars	H09963
#13A	● Serrated jaw clamp, maxillary right molars	H09964
#14A	● Downward sloped jaws for large, partially erupted molars	H09965



Hygenic® Brinker Clamps (Tissue Retractors)



#B1
lower Molars



#B2
upper left molars



#B3
upper right molars



#B4
anterior & canines



#B5

class V restorations on all teeth



#B6

- Provide maximal retraction without laceration of gingival tissues

- Available as a set or sold individually

Brinker Clamps (Tissue Retractors)

	Brinker Universal Clamp Set (one of each B-1, B-2, B-3, B-4, B-5, B-6)	H01054
B-1	Mandibular molars	H01048
B-2	Maxillary left molars	H01049
B-3	Maxillary right molars	H01050
B-4	Premolars	H01051
B-5	Premolars and incisors	H01052
B-6	Premolars and incisors	H01053

Hygenic® Fiesta® Color Coded Matte Finish Wingless Clamps



#2



#8



#2A



#8A



#3



#9



#7



#14A



#56

Fiesta Color Coded Matte Finish Wingless Clamps

#W2	● Premolars and maxillary incisors	H02794
#W2A	● Premolars and maxillary incisors	H02795
#W3	● Flat jawed, small molars	H02796
#W7	● Flat jawed, general purpose, mandibular molars	H02797
#W8	● General purpose, maxillary molars	H02798
#W8A	● Downward sloped jaws for small, partially erupted molars	H02799
#W9	● Anterior teeth	H02800
#W14A	● Downward sloped jaws for large, partially erupted molars	H02802
#W56	● Universal molar clamp	H02803



Hygenic® Dental Dam Clamp-Sets



Dental Dam Clamp-Sets

System-9 Winged Clamp Pack	H02701
Fiesta 9 Color-coded Clamp Pack winged	H09966
Fiesta Color-coded Clamp Organizer	H09956
Brinker (tissue retraction) Clamp Pack	H01054
Fiesta 9W Color-coded Clamp Pack wingless	H02801

ROEKO Clamps



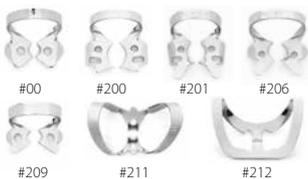
- Winged clamps allow for placement of Dental Dam and clamp as one unit

Clamp Set

Clamp #00, #206, #209, #200, #201, #212	390050
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Clamps

#00 Premolar, high bow, narrow jaw	390 051
#206 Maxillary premolars, distinctive concave jaw	390 052
#209 Mandibular premolars, flat clamp mouth	390 053
#200 Mandibular molars	390 054
#201 Maxillary molars, concave jaw shape	390 055
#211 Anterior teeth, double-bow	390 056
#212 Anterior teeth	390 057



Access

Endodontics

Debridement



An ideal endodontic access allows for straight-line access to the root canal system, which permits adequate visualization of the root canals and allows for easier placement of files and irrigation needles.

Access can be initiated with a round carbide or fissure bur. For teeth with porcelain or porcelain fused to metal crowns, use of a diamond bur with water spray may be preferred so that risk of porcelain fracture can be minimized. Once penetration of the porcelain is complete, a carbide bur can be used to cut metal and dentin due to its greater cutting efficiency. After the endodontic access is initiated, the access can be extended in axial directions with a flat-ended tapered diamond bur, a standard fissure bur, or a safe-ended bur. Due to the fact that safe-ended burs are non-cutting at the tip, gouging or perforation of the pulpal floor can be prevented by using such burs.



Locating the canal



Remove dentin from pulpal floor



Removal of caries

Locating all canals can be challenging in teeth that have a high degree of coronal calcification. In such instances, using a surgical length carbide bur may be necessary to remove dentin from the pulpal floor. Ultrasonic tips can also be used for more controlled removal of dentin while searching for hidden canals.

Prior to accessing the root canal system, all caries and defective restorations should be removed. The bur that was used to remove caries and restorative materials should be switched and a new bur should always be used to continue with endodontic access.

Endo Preparation Kit



- Selected by Professor Dr. Gambarini

Endo Preparation Kit (selected by Prof. G. Gambarini)

250062AA



ISO 001524 014 /
200808AA

ISO 001 52 018/
200089AA

ISO 219 524 016 /
200391AA

ISO 198 524 014 8.0 /
200435AA

ISO 223 066 /
235046AA

Fig. No.
ISO Ø 1/10 mm
Grit Size

801L
014
125 µm

801
018
125 µm

851
016
125 µm

856
014
125 µm

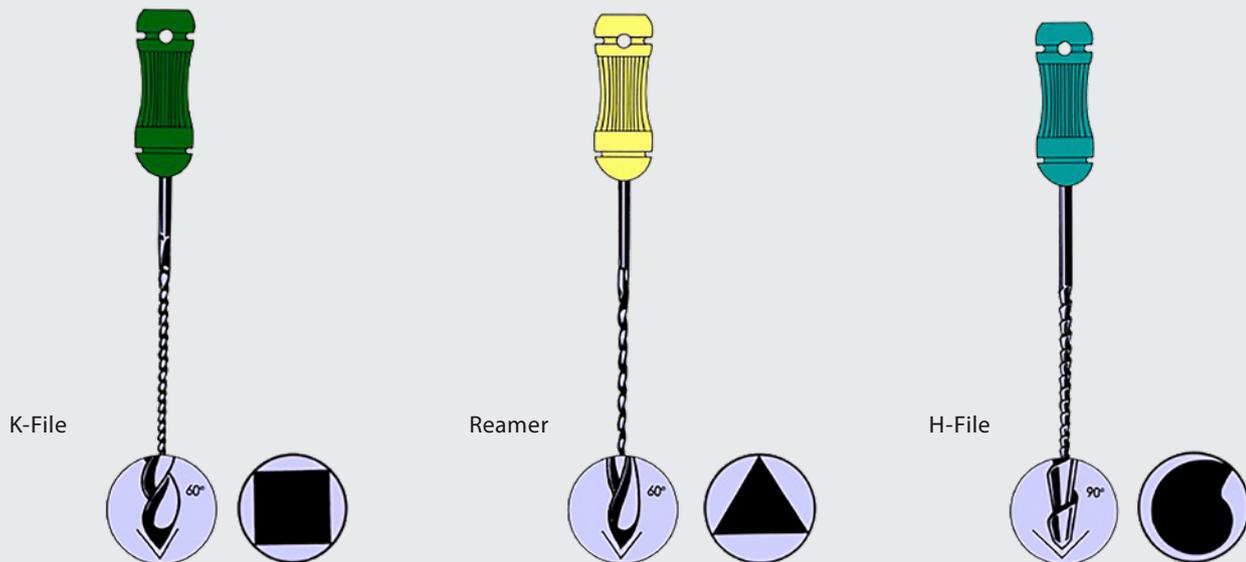
C245
008



Step 4 Debridement



Following placement of the rubber dam, disinfecting the working field, and accessing the tooth, debridement of the inflamed or infected pulp tissue is achieved with hand files. The files negotiate the canals to working length and establish a smooth glide path from the canal orifice to the apex. Factors, such as calcification and canal curvature can make debriding the canals extremely challenging. Appropriate irrigants, such as sodium hypochlorite (NaOCl) and ethylenediaminetetraacetic acid (EDTA), facilitate debridement of the root canal system. Hand instruments that have .02 taper are commonly used to negotiate the canal system to length.



Such hand instruments are manufactured in three different designs:

- K-files – Square, triangular or diamond in cross-section and have an increased number of flutes. Work in a rotational motion as well as a pulling motion to clean and enlarge the canals. Primary files used for initial negotiation and debridement of the canals.
- Reamers – Triangular in cross-section and have fewer flutes. Work in a rotational motion to clean the canal system.
- H-files – Milled as opposed to twisted and often used during retreatment to remove gutta-percha. Work in a push-pull motion and cut on the pulling stroke. It is extremely important to note that due to high risk of fracture. A glide path should be created with hand or rotary glide path files.



HYGENIC® Hyflex® X-File®



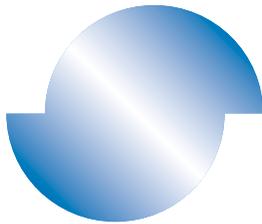
- Exceptional flexibility in the apical 1/3
- Flexibility protects against ledging, zipping and transportation
- Double-fluted design to maximize cutting efficiency

Nickel Titanium Starter Kit length 25 mm

15	6 pcs	H08438
20	6 pcs	
25	6 pcs	
30	6 pcs	
35	6 pcs	
40	6 pcs	
15-40	6 pcs	

Nickel Titanium 6 pcs

Size	21 mm	25 mm
Assorted 15-40	H08391	H08413
Assorted 45-80	H08392	H08414
15	H08374	H08396
20	H08376	H08398
25	H08378	H08400
30	H08380	H08402
35	H08382	H08404
40	H08384	H08406
45	H08385	H08407
50	H08386	H08408
55	H08387	H08409
60	H08388	H08410
70	H08389	H08411
80	H08390	H08412



Stainless Steel 6 pcs

Size	21 mm	25 mm
08	H08371	H08393
10	H08372	H08394



ROEKO Root Canal Instruments

- Stainless steel
- Can be sterilized
- Effective cutting



K-Files (ISO) length 25 mm	
Size	6 pcs
Assorted 15–40	381154
Assorted 45–80	381458
8	381008
10	381010
15	381015
20	381020
25	381025
30	381030
35	381035
40	381040
45	381045
50	381050
55	381055
60	381060
70	381070
80	381080

H-Files (ISO) length 25 mm	
Size	6 pcs
Assorted 15–40	382154
Assorted 45–80	382458
8	382008
10	382010
15	382015
20	382020
25	382025
30	382030
35	382035
40	382040
45	382045
50	382050
55	382055
60	382060
70	382070
80	382080

Reamers (ISO) length 25 mm	
Size	6 pcs
Assorted 15–40	380154
Assorted 45–80	380458
8	380008
10	380010
15	380015
20	380020
25	380025
30	380030

Reamers (ISO) length 25 mm	
Size	6 pcs
35	380035
40	380040
45	380045
50	380050
55	380055
60	380060
70	380070
80	380080

ROEKO Stops



- Silicone
- Radiopaque

Stops		
Stops	50 pcs	331000

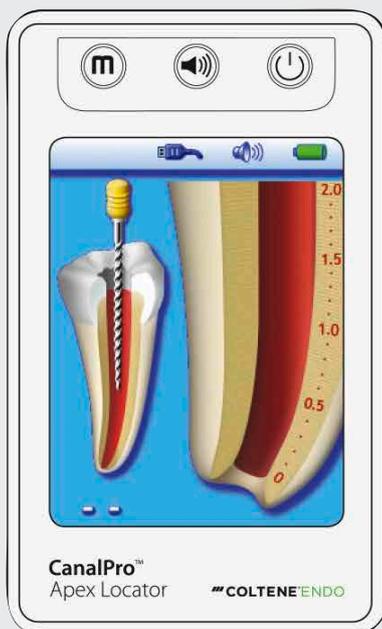


Step 5 Working length measurement

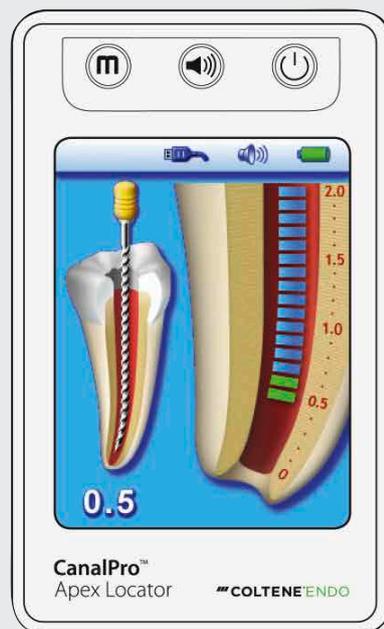


Accurate determination of working length is critical for the success of endodontic treatment. Inspection of pre-operative radiographs, use of tactile sensation, or evaluation of fluid on the tip of paper points may help with estimating working length. Modern electronic length measurement devices, such as the CanalPro Apex Locator, provide a reliable method for confirming working length. Such devices determine the location of the apical constriction with the help of electrical resistance. Electronic length measurement is often more precise than radiographic determination of working length and can be repeated at any time to verify canal length.

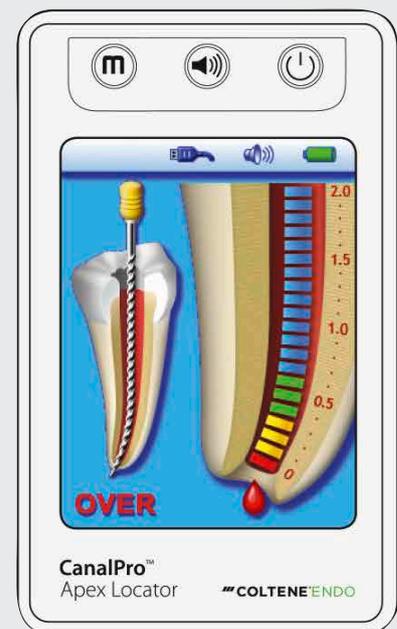
Working length should be measured after coronal flaring has been performed. Many canals have a coronal dentin shelf that, once removed, results in a straighter glide path and shorter working length. Obtaining working length prior to coronal flaring, therefore, can result in a working length that is inaccurate.



File tracking



Working length



Over-instrumentation

During the use of the CanalPro Apex Locator, any of the following situations should be checked to avoid an erroneous reading:

- Tooth with immature roots
- Tooth with a perforation
- Excessive fluid in the pulp chamber
- Canal system is too dry
- File being used for length measurement contacts a metal restoration
- Residual gutta-percha remaining in retreatment cases
- Working length measurements obtained with an electronic apex locator should always be verified with a radiograph to ensure accuracy.



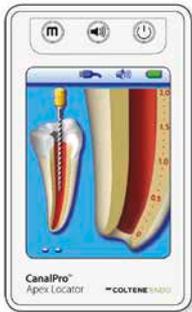
CanalPro™ Apex Locator

CanalPro™ Apex Locator Compact

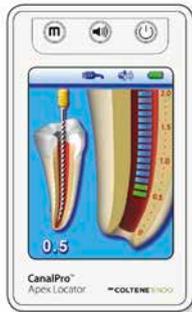




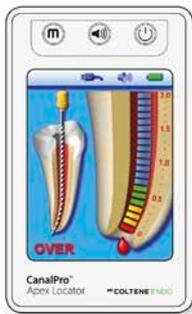
CanalPro™ Apex Locator



File tracking



Large apical zone



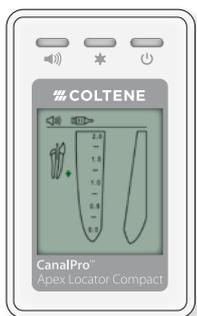
Over-instrumentation

- Brilliant, colored 3D panel
- Accuracy of measurement
- Comfortable
- Fully automatic
- Interactive operation
- Built-in demo mode
- Virtual Apex Function
- Audio feedback with volume control
- Built-in self-test for a fast function control
- Auto-off
- Rechargeable battery

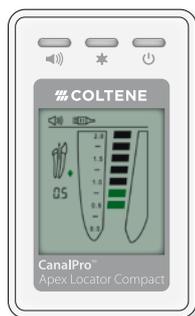
Apex Locator

CanalPro Apex Locator EU Kit		60014334
1 × Apex Locator		
1 × Charger		
1 × Measuring cable		
2 × Lip clips		
2 × File clips		
1 × Touch probe		
Measuring cable	1 pc	60014335
File clips	2 pcs	60014336
Touch probe	2 pcs	60014337
Lip clips	5 pcs	60014338
Charger	1 pc	60014339
Rechargeable battery	1 pc	60014340

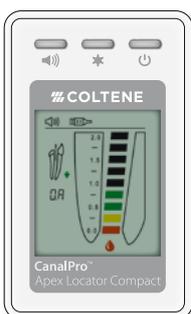
CanalPro™ Apex Locator Compact



File tracking



Large apical zone



Over-instrumentation

- Results in canals with dry and wet condition
- LCD for optimal performance
- Built-in demo mode to demonstrate operation

Apex Locator Compact

CanalPro Apex Locator Compact EU-Kit		60019095
1 × Apex Locator Compact		
1 × Holder		
2 × Lithium button cells CR2032		
1 × Measuring cable		
2 × Lip clips		
2 × File clips		
1 × Touch probe		
1 × Screwdriver		
1 × User Guide		
Measuring cable	1 pc	60014335
File clips	2 pcs	60014336
Touch probe	2 pcs	60014337
Lip clips	5 pcs	60014338

Endodontics

Canal preparation

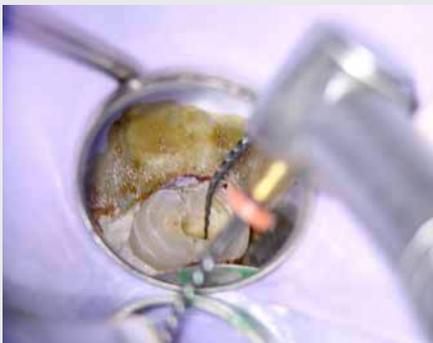


Step 6 Canal preparation



The primary objectives of canal preparation are to remove infected tissue, provide irrigants access to the entire length of the canal, and create space for placement of medicaments and the definitive obturation material. As long as the clinician respects canal anatomy and geometry as he/she works to achieve the primary objectives as outlined above, a successful outcome can be achieved regardless of technique used.

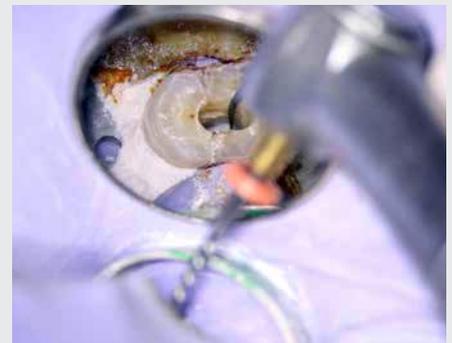
A new generation of NiTi heat-treated files have increased superelasticity compared to traditional NiTi files and lack pseudo elasticity. Such benefits allow for superior canal tracking during instrumentation and practically eliminate the risk for procedural errors, such as file separation and canal transportation. Larger apical preparation sizes, which are needed to eliminate intracanal biofilm and adequately debride the apical region of the canal, can be achieved safely. In addition, with the lack of pseudo elasticity the files can be pre-bent, they are ideal for use in patients with limited opening or with teeth in which access to the root canal system is challenging.



HyFlex CM file



HyFlex CM pre-curved



HyFlex CM canal prep

An example of how to safely instrument the canal system once a tooth has been properly isolated with a Dental Dam:

- Access and locate the canals
- Establish a glide path at the estimated working length with HyFlex GPF files
- Coronally flare the canals with an orifice opener (25/08) or Gates Glidden burs
- Confirm working length with an electronic apex locator
- To confirm glide path, hand filing up to #20 is recommended
- Instrument the canals using HyFlex CM rotary files using the following sequence, inserting all files to working length, 20/04, 25/04, 20/06, 30/04, 40/04.
- Check patency in between each file change
- If resistance occurs repeat prior step

HyFlex™ CM & EDM CanalPro™ CL & CL 2





HyFlex™ CM – The regenerative NiTi File

Controlled memory + Extreme flexibility = Superior canal tracking

HyFlex Controlled Memory NiTi Files have been manufactured utilizing a unique process that controls the material's memory.



✓ Before use



✓ After use



✓ After heat treatment



x Untwisted (discard)

Advantages:

- The files are extremely flexible and have controlled memory.
- This gives the file the ability to follow the anatomy of the canal very closely, reducing the risk of ledging, transportation or perforation.
- The files can be pre-bent, to allow for easy insertion into canals with limited opening.

Regains shape after heat treatment = Multi-use

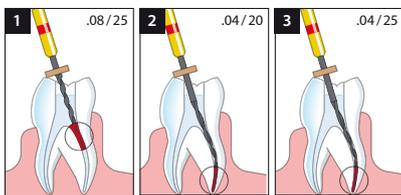
- HyFlex CM NiTi Files respond to excessive resistance with straightening of the spirals, which avoids binding to the walls and therefore increases fracture resistance.
- This form adaptation can be reversed quickly by heat treatment (during autoclaving or with a glass bead sterilizer) returning the instruments back to their original shape.
- Furthermore the heat treatment will strengthen the files making them a lot more resistant to cyclical fatigue.
- Also the heat treatment provides a clear visual opportunity to verify safe continuation of file use.

Up to 300 % more resistance to separation

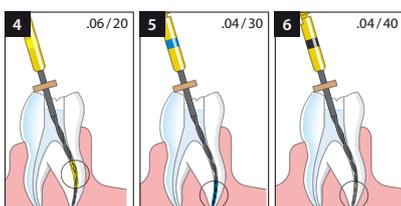
HyFlex CM NiTi Files with Controlled Memory are up to 300 % more resistant to cyclical fatigue compared to conventional NiTi files, which substantially helps reducing the incidence of file separation.

Step by Step

HyFlex CM NiTi Files can be used with crown-down, step-back or our recommended single length technique (500 rpm, up to 2.5 N·cm).



If working length is reached, it may be possible to go to Step 4.



HyFlex™ CM NiTi Files



HyFlex GPF Sequence

Size	25 mm
2 × 15/.01, 2 × 15/.02, 2 × 20/.02	60018753

HyFlex CM NiTi File Refills, 6 pcs

Size	19 mm	21 mm	25 mm	31 mm
25/08	60011048			
15/04		60011049	60011065	60018284
20/04		60011050	60011066	60018285
25/04		60011052	60011067	60018286
30/04		60011053	60011068	60018287
35/04		60011054	60011069	
40/04		60011055	60011070	60018288
45/04		60011056	60011071	
50/04		60011057	60011072	60018289
60/04		60011058	60011073	60018290
20/06		60011059	60011074	60018291
25/06		60011060	60011075	
20/06, X-tra Spirals		60018699	60018700	60018701
25/06, X-tra Spirals		60018702	60018703	60018704
30/06		60011061	60011076	60018292
35/06		60011062	60011077	
40/06		60011063	60011078	60018293

HyFlex CM NiTi-Files Sequence Single length, 6 pcs

Size	21 mm	25 mm	31 mm
25/08 19 mm; 20/04; 25/04; 20/06; 30/04; 40/04	60011064	60011079	60018294

HyFlex CM NiTi-Files Sequence Crown down, 6 pcs

Size	21 mm	25 mm	31 mm
S (25/08 19 mm; 35/04; 30/04; 25/04; 20/04; 15/04)	60018689	60018692	60018695
M (25/08 19 mm; 60/04; 50/04; 45/04; 40/04; 35/04)	60018690	60018693	60018696
L (25/08 19 mm; 40/06; 35/06; 30/06; 25/06, 20/06)	60018691	60018694	60018697

HyFlex CM Introkit

Article	
Introkit Compact (1 × Organizer, 1 × 25 mm Sequence, 1 × ROEKO GP Greater Taper)	60018786



HyFlex™ EDM – Electrical Discharge Machining

The new HyFlex EDM files constitute the 5th generation root canal files. HyFlex EDM NiTi files have completely new properties due to their innovative manufacturing process using electric discharge machining. Workpieces are machined in the EDM manufacturing process by generating a potential between the workpiece and the tool. The sparks generated in this process cause the surface of the material to melt and evaporate.

This creates the unique surface of the new Niti files and makes the HyFlex EDM files stronger and more fracture resistant. This entirely unique combination of flexibility and fracture resistance makes it possible to reduce the number of files required for cleaning and shaping during root canal treatments without having to compromise preservation of the root canal anatomy.

Just like HyFlex CM files, HyFlex EDM files have the already familiar controlled memory effect (CM). This results in very similar properties in terms of material flexibility and regeneration.

Optional Access Opening

Glidepath

Shaping

Optional Finishing

HyFlex™ EDM

Reduced Number of Files

Depending on the clinical situation, use of HyFlex EDM files reduces the number of files to 2-3 pieces particularly in straight and larger canals.

All HyFlex EDM NiTi Files can be used at 400 rpm and at a torque of up to 2.5 Ncm (25 mNm) excepted the Glidepath files which can be used with 300 rpm and at a torque of up to 1.8 Ncm (18 mNm).

Optional Access Opening: 25/.12 Orifice Opener

Glidepath: Hand File, 10/.05 Glidepath File

Shaping: 25~ HyFlex OneFile

Optional Finishing: 40/.04, 50/.03, 60/.02 Finishing Files

Optional Access Opening: 25/.12 Orifice Opener

Glidepath: Hand File, 10/.05 Glidepath File

Shaping: 20/.05 HyFlex EDM, 25~ HyFlex OneFile

Optional Finishing: 40/.04, 50/.03, 60/.02 Finishing Files

Regeneration by thermal treatment



✓ Before use



✓ After heat treatment



✓ After use



✗ Untwisted (discard)



HyFlex™ EDM NiTi Files



HyFlex EDM NiTi File Sequences

Content / Sizes	21 mm	25 mm
Shaping Set Simple 10/05; 25/~; 25/12 15 mm	60022267	60019363
Shaping Set Medium 10/05; 20/05; 25/~	60022277	60022278
Finishing Set 40/04; 50/03; 60/02	60022268	60019364

HyFlex EDM NiTi File Refills, 3 pcs

Size / Taper	15 mm	21 mm	25 mm
25/12 Orifice Opener	60019596		
10/05 Glidepath File		60022269	60019594
20/05 Preparation File		60022275	60022276
25/~ HyFlex OneFile		60022270	60019595
40/04 Finishing File		60022271	60019597
50/03 Finishing File		60022272	60019598
60/02 Finishing File		60022274	60019599

HyFlex EDM Introkit

Article

Introkit Compact (1 × Organizer, 1 × HyFlex EDM Shaping Set + 40/04 Finisher File, 1 × ROEKO GP Greater Taper)	60019660
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Endo Highlight Kit

Article

1 × HyFlex EDM Shaping Set Simple (10/05, 25/~, 25/12), 1 × ROEKO GuttaFlow bioseal 2.5 ml, 1 × ROEKO Guttapercha Points HyFlex EDM OneFile 25	60022033
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HyFlex™ Accessories



HyFlex Accessories

Article	Content	
Endo Procedure Block	1 pc	60011083
Endo Organizer	1 pc	60018783
Endo Practice Block Pack	3 acrylic blocks	60011085





CanalPro™ CL (Cordless Handpiece)



- Ergonomic design and control
- Big, user friendly LCD area
- 5 storage programs
- Auto-reverse mod
- 6 head positions allow contra angle head to be adjusted to your preferred position
- Operating time: approx. 80 min.
- Quick charging time of approx. 90 min.
- Contactless charging via induction
- Power saving mode after 10 min. when not in use
- Contra angle head is autoclavable at 135 °C
- Rotation Speed: 140 ~ 550 rpm
- Torque Level: 0.3 ~ 3.0 Ncm

CanalPro CL & Accessories

Complete Set EU / UK (without Apex Locator connection) 1 × Motor Handpiece, 1 × Charger, 1 × Contra Angle 16:1	60011035 / 60011036
Complete Set EU / UK (with Apex Locator connection) 1 × Motor Handpiece, 1 × Charger, 1 × Contra Angle 16:1 AL	60014050
Motor Handpiece	1 pc 60011037
Charger	1 pc 60011038
Contra Angle 16:1 (without Apex Locator connection)	1 pc 60011039
Contra Angle 16:1 AL (with Apex Locator connection)	1 pc 60013747

CanalPro™ CL 2 (Cordless Handpiece)



- Ergonomic design and control
- Big, user friendly LCD area
- Multiple speed settings, Torque Level, Auto-reverse mod and Translation ratio
- Audio feedback for Auto-reverse mod
- Acoustic warning signal by 75 % of the set torque value
- 6 storage programs
- Operating time: approx. 90 min.
- Rotation Speed: 120 ~ 500 rpm
- Torque Level: 0.3 ~ 3.0 Ncm

CanalPro CL 2 & Accessories

Complete Set EU 1 × Motor Handpiece, 1 × Motor Handpiece Cover, 1 × Charger, 1 × Charging Cable, 1 × Contra Angle 16:1, 1 × Oil supply	60019362
Motor Handpiece	1 pc 60018730
Motor Handpiece Cover	1 pc 60018735
Charger	1 pc 60018733
Charging Cable (EU)	1 pc 60019371
Contra Angle 16:1	1 pc 60018731
Oil supply	1 pc 60018736

Irrigation

Endodontics



As studies have shown that approximately 40-50% of the root canal space remains untouched by conventional endodontic files, mechanical debridement alone cannot sufficiently clean and disinfect the root canal system. Chemical debridement in combination with mechanical debridement, also known as chemomechanical debridement, is necessary for successful root canal treatment.

Irrigants are used to help dissolve vital and necrotic tissue, eradicate bacteria and other microorganisms, remove the smear layer, and lubricate the canal system. As no single irrigant exists that can accomplish all of the above goals, multiple solutions must be used during clinical treatment. Sodium hypochlorite (NaOCl), ethylenediaminetetraacetic acid (EDTA), and 2% Chlorhexidine (CHX) are commonly used for chemical debridement during the process of canal preparation.



Side-port irrigation tip taken to proper length

Mixing NaOCl with CHX results in formation of an orange carcinogenic precipitate known as parachloroaniline. Clinicians, therefore, should use extreme caution not to use the two irrigants in succession. EDTA can be used to neutralize NaOCl so that CHX can be used safely. An example of a common irrigation protocol is as follows:

- NaOCl used throughout the process of canal instrumentation
- EDTA used to remove the smear layer once canal instrumentation is complete
- 2% CHX used as the final irrigant before obturation

CanalPro™ Irrigation and rinsing





CanalPro™ – Endodontic Irrigating Solutions

When it comes to irrigating, CanalPro Endodontic Solutions are your best choice for successful treatment. We have engineered our endodontic solutions to minimize the time spent on irrigation, giving you the best approach to cleansing canals and the BEST OUTCOMES.

CanalPro™ SyringeFill

- Innovative, modular system for the safe and efficient filling of syringes with irrigation solutions.
- Safe and clean dispensing
- Time-saving one-hand use
- Prevents loss of material
- Protects against contamination



SyringeFill	
Station	60019661
1 × Bottle holder incl. base	
1 × CanalPro NaOCl 3 %, 500 ml	
3 × CanalPro SyringeFill Cap	
Holder	60019667
1 × Bottle holder	
1 × CanalPro NaOCl 3 %, 500 ml	
3 × CanalPro SyringeFill Cap	
Cap	1 pc 60019662

CanalPro™ NaOCl



- For irrigation/debridement of root canals during and after instrumentation
- Available in 3% and 6% formula

NaOCl		
3%	500 ml	60019655
6%	500 ml	60019656

CanalPro™ EDTA 17%



- pH value 8.5
- Removes smear layer and dentin mud
- Opens dentin tubules
- Disinfection solutions (e.g. alcohol) to work better
- Better adhesion of sealers and obturation materials

EDTA 17%		
17%	100 ml	60019654
17%	500 ml	60019651

CanalPro™ CHX 2%



- Chlorhexidine digluconate solution
- Recommended for additional rinsing and during revisions
- Very effective against E. faecalis and fungi

CHX 2%		
2%	100 ml	60019659
2%	500 ml	60019658



CanalPro™ Color Syringes



- Latex-Free
- Offer a fast, easy way to organize and identify syringes
- Color coded
- Available in 10 ml and 5 ml

Color Syringes 50 syringes/box		
	10 ml	5 ml
Red	60011173	60019321
Blue	60011174	60019322
Yellow	60011175	60019323
White	60011176	60019324

CanalPro™ Slotted-End Tips



- Ideal for irrigation of sinus tract
- Slotted and side-vented
- 25 mm length

Slotted-End Tips 100 / bag		
grey	27 ga; 0,4 mm	60011167
yellow	30 ga; 0,3 mm	60011168

CanalPro™ Side-Port Tips



- Closed end for side port delivery
- 25 mm length

Side-Port Tips 100 / bag		
grey	27 ga; 0,4 mm	60011169
yellow	30 ga; 0,3 mm	60011170

Endodontics

Drying

Medicamentation



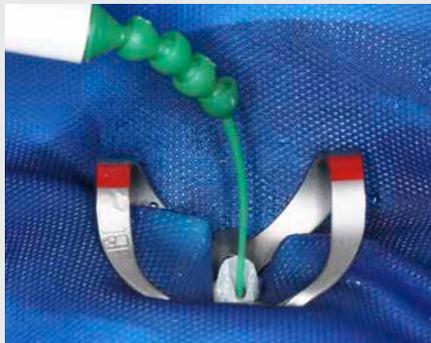
Step 8 Drying



Following instrumentation and irrigation, the root canal system must be dried prior to placement of either the obturation material or an inter-appointment medicament. The presence of residual irrigation solutions or fluid from the periapical tissues in the root canal system may prevent establishment of an adequate seal.



Surgitip-endo dries fast



Surgitip-endo visibility



Paper Points

Paper Points inserted into the canals to working length are traditionally used to dry the canals and are available in various sizes. Larger, thicker points can be used initially to absorb a majority of the fluid from the coronal and middle thirds of the canals. Points with smaller tips and less taper can then be used to finish the drying process. Complete drying of the canals can be verified when Paper Points are inserted into the canals to working length and no moisture appears on the tips of the Points.

HyFlex Paper Points

The well-established HyFlex CM and HyFlex EDM NiTi file lines include perfectly matching paper and gutta-percha points to facilitate an optimal treatment process.

- Precise fit
- Colour-coded
- Highest quality
- Machine rolled
- Glue-free
- Laser-measured



HyFlex CM Paper Points, drawer box	
HyFlex CM Files Size	HyFlex CM Paper Points, 100 pcs
15/04	60022671
20/04	60022672
25/04	60022673
30/04	60022674
35/04	60022675
40/04	60022676
45/04	60022677
50/04	60022678
60/04	60022679
Assortment 20-45 /04	60022680
20/06	60022682
25/06	60022683
30/06	60022684
35/06	60022685
40/06	60022686
45/06	60022687
Assortment 20-45 /06	60022688

HyFlex EDM Paper Points, drawer box	
HyFlex EDM Files Size	HyFlex EDM Paper Points, 100 pcs
20/05	60022742
OneFile 25/~	60022743
40/04	60022676
50/03	60022741
60/02	60022740
Assortment 20/05 - 60/02	60022744



ROEKO Paper Points

- Sterile
- Highly absorbent
- No adhesives
- Firm yet flexible for easy application
- Length: ISO and conventional ≥ 25 mm
- Assorted or individual sizes

ROEKO Paper Points Top color



- White tip, end colored
- Prevents mixing up of sizes
- Monitors the cleaning and drying of the root canal

(ISO)-Drawer box			
Size	200 pcs	Size	500 pcs
Assorted 15–40	344596	Assorted 15–40	344696
15	344515	15	344615
20	344520	20	344620
25	344525	25	344625
30	344530	30	344630
35	344535	35	344635
40	344540	40	344640
Size	120 pcs	Size	300 pcs
Assorted 45–80	344597	Assorted 45–80	344697
45	344545	45	344645
50	344550	50	344650
55	344555	55	344655
60	344560	60	344660
70	344570	70	344670
80	344580	80	344680
Assorted 90–140	344598		
90	344590		
100	344591		
110	344592		
120	344593		
130	344594		
140	344595		



ROEKO Paper Points color



(ISO)-Cellpack			
Size	180 pcs	Size	180 pcs
Assorted 15–40	344896	Assorted 45–80	344897
15	344815	45	344845
20	344820	50	344850
25	344825	55	344855
30	344830	60	344860
35	344835	70	344870
40	344840	80	344880

- Prevents mixing up of sizes
- Color becomes deeper, when in contact with moisture
- Will turn white, when in contact with sodium hypochlorite or hydrogen peroxide

(ISO)-Drawer box			
Size	200 pcs	Size	500 pcs
Assorted 15–40	340201	Assorted 15–40	341596
15	340215	15	341515
20	340220	20	341520
25	340225	25	341525
30	340230	30	341530
35	340235	35	341535
40	340240	40	341540
Size	120 pcs	Size	300 pcs
Assorted 45–80	340202	Assorted 45–80	341597
45	340245	45	341545
50	340250	50	341550
55	340255	55	341555
60	340260	60	341560
70	340270	70	341570
80	340280	80	341580
Assorted 90–140	340204		
90	340290		
100	340210		
110	340211		
120	340212		
130	340213		
140	340214		



ROEKO Paper Points white



- White points
- Monitors the cleaning and drying of the root canal
- Assorted or individual sizes

(ISO)-Drawer box			
Size	200 pcs	Size	500 pcs
Assorted 15–40	340154	Assorted 15–40	341154
15	340015	15	341015
20	340020	20	341020
25	340025	25	341025
30	340030	30	341030
35	340035	35	341035
40	340040	40	341040
Size	120 pcs	Size	300 pcs
Assorted 45–80	340458	Assorted 45–80	341458
45	340045	45	341045
50	340050	50	341050
55	340055	55	341055
60	340060	60	341060
70	340070	70	341070
80	340080	80	341080
Assorted 90–140	340914		
90	340090		
100	340100		
110	340110		
120	340120		
130	340130		
140	340140		

ROEKO Paper Points conventional



- White points
- More tapered than ISO points, ideal for more conically-shaped root canals
- Assorted or individual sizes

Drawer box			Cellpack	
Size	200 pcs	500 pcs	Size	180 pcs
Assorted XXF-XL	342000	343000	Assorted XXF-XL	346000
XXF	342001	343001	XXF	346001
XF	342002	343002	XF	346002
F	342003	343003	F	346003
Size	120 pcs	300 pcs	M	346004
M	342004	343004	L	346005
L	342005	343005	XL	346006
XL	342006	343006		

ROEKO Paper Points Greater Taper

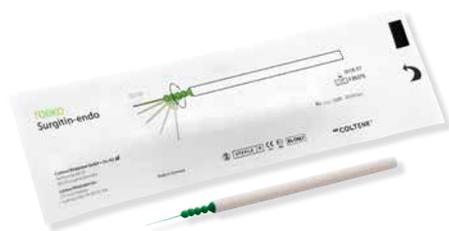


- Length ≥ 28 mm
- Top Color coded
- The diameter of the tip corresponds to the ISO sizes
- Assorted or individual sizes
- Ideal for drying root canals which have been prepared with HyFlex CM files, GT Files, HERO, ProFile, Quantec etc.
- Available with a taper of 4% or 6%

Drawer box 100 pcs		
	0.04	0.06
15	60019011	
20	60019012	60019030
25	60019013	60019031
30	60019014	60019032
35	60019015	60019033
40	60019016	60019034
45	60019017	60019035
50	60019018	
60	60019019	
20-45	60019020	60019036

Cellpack 144 pcs		
	0.04	0.06
15	60019037	
20	60019038	60019047
25	60019039	60019048
30	60019040	60019049
35	60019041	60019050
40	60019042	60019051
45	60019043	60019052
50	60019044	
60	60019045	
20-45	60019046	60019053

ROEKO Surgitip-endo



- Endodontic aspirator tip for the root canal
- Specially designed tip for multi-directional flexibility
- Effective aspiration and good canal accessibility
- Canal Tip ISO 60, inner diameter 0.35 mm
- Manufactured in clean room to EN ISO 14644

Surgitip-endo

20 pcs + 1 Double Adapter

60018280



ROEKO Surgitip-micro



- Microsurgical aspirator tip
- Sterile, ready for use in peel packs
- Specially designed for use with microscope or loupe
- Green conical tip provides excellent contrast and unblocked field of vision

Surgitip-micro 1,2 mm tip opening

20 pcs + 1 Double Adapter	462012
100 pcs + 5 Double Adapter	462013

ROEKO Adapter and Double Adapter



- Reliable aspiration independent of the used aspirating equipment
- For connecting Surgitip cannulas to 11 and 16 mm aspirating equipment
- Autoclavable and chemiclavable up to 134 °C

Adapter and Double Adapter

Double Adapter $\varnothing 6.5 > \varnothing 11 > \varnothing 16$ mm	1 pc	463000
Adapter $\varnothing 11 > \varnothing 16$ mm	1 pc	463011
Adapter $\varnothing 6.5 > \varnothing 11$ mm	1 pc	463025

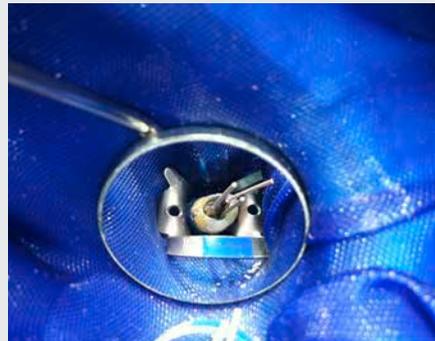


Microorganisms associated with endodontic infections may persist within the root canal system following chemomechanical debridement due to the microorganisms being resistant to endodontic irrigants and/or inaccessible to endodontic files. Placement of a medicament that can diffuse into irregularities of the root canal system and further disinfect the root canal space may increase the success of root canal treatment.

The most commonly used interappointment medicament is calcium hydroxide. One benefit of calcium hydroxide is that it can neutralize endotoxin. It is recommended that calcium hydroxide be left in a tooth for one week to one month to ensure disinfection and resolution of symptoms. In cases with a persistent periapical lesion or when symptoms do not resolve after placement of a standard calcium hydroxide product, use of calcium hydroxide mixed with chlorhexidine or iodine may be indicated.



Insertion of Points



Length is Adjusted



Working Field View of Points Placed

In order for an interappointment medicament to be effective, it must extend the full length of the canal. Following placement of calcium hydroxide, therefore, the clinician should take a radiograph to verify that the medicament has been delivered to working length. The placement of points is a reliable way to insure coverage of the complete root canal.



ROEKO Calcium Hydroxide PLUS Points



- Excellent alternative to calcium hydroxide pastes
- Easy to use, practical and effective
- Ensure that Ca(OH)₂ is applied to working length
- Clean (no smearing around the access cavity during insertion)
- Time-saving – the points are ready to use
- No mixing, easy to apply and to remove
- Greater release of Ca(OH)₂, more effective over longer period
- Safe
- Assorted or individual sizes

(ISO)-Drawer box length ≥ 28 mm			
Size	60 pcs	Size	60 pcs
Assorted 15–40	366896	Assorted 45–80	366897
15	366815	45	366845
20	366820	50	366850
25	366825	55	366855
30	366830	60	366860
35	366835	70	366870
40	366840	80	366880

ROEKO activ point Chlorhexidine Points



- For temporary root canal filling and prevention of reinfection
- Gutta-percha matrix with 5% chlorhexidine diacetate
- Easy to apply and easy to remove
- Radiopaque
- Chlorhexidine is known to be highly effective against bacteria and many other organisms, yeasts and fungi, even in low concentrations
- Provides a means for applying chlorhexidine directly into the root canal
- Assorted or individual sizes

(ISO)-Drawer box length ≥ 28 mm			
Size	60 pcs	Size	60 pcs
Assorted 15–40	367296	Assorted 45–80	367297
15	367215	45	367245
20	367220	50	367250
25	367225	55	367255
30	367230	60	367260
35	367235	70	367270
40	367240	80	367280

Temporary
restoration

Endodontics

Obturation



Step 10 Temporary restoration



A temporary restoration is placed to seal the root canal system coronally following completion of root canal therapy when the definitive restoration cannot be placed immediately or between treatment appointments when multiple visits will be required. In order to adequately seal the root canal system and prevent contamination from oral fluids, the temporary restoration should be placed to a thickness of at least 4–5 mm.

Because a temporary restoration will be subjected to masticatory forces, the ideal material should maintain its structural integrity when exposed to normal chewing forces. In addition, the material should have a smooth texture so as not to irritate the tongue or cheek.



Placing DuoTEMP



Condensing DuoTEMP



Final temporary restoration

In cases when a resin material will be placed as the definitive restoration, the clinician should use caution when choosing a temporary restorative material. Materials that contain eugenol can affect the bond of resin and therefore should not be used when a composite will be used to definitively restore the tooth.



Coltosol® F



- Temporary filling material
- No light curing needed
- Sets with saliva for perfect marginal seal
- Eugenol-free, so it won't affect final cementation
- Radiopaque
- Creamy consistency for easy adaptation in the cavity
- No mixing and waste of material
- Easy removal in large portions
- Ideal surface hardness for posterior provisional fillings

Coltosol F

Single Pack		5906
In jar	38 g	
Eco Pack		5911
In jar	3 × 38 g	
Syringes	5 × 8 g	5930

DuoTEMP®



- Dual-cured temporary filling material, eugenol-free and radiopaque for temporary fillings.

DuoTEMP

Syringe	5 g	5831
Syringes	5 × 5 g	7090



Obturation of the root canal system can be completed once debridement and disinfection have been performed. The goal of obturation is to fill the canal space in three dimensions and provide a coronal, lateral, and apical seal. Cold-filling systems provide better adaptation to the complexity of the root canal.

Gutta-percha is the most widely-used obturation material. It has the benefits of being biocompatible, radiopaque and easy to manipulate. Various obturation techniques with gutta-percha are currently practiced including, warm vertical compaction and lateral compaction. Since many root canal systems are quite complex, use of a cold filling system minimize the risk of voids due to shrinkage.



Finished Prepared Canals



Canals with Master Gutta-Percha Points

If the definitive restoration is not placed as soon as possible following obturation of the root canal system, there is a risk for coronal leakage despite sealing the endodontic access with a temporary restorative material. A 1 mm – to 2 mm – thick layer of flowable composite or glass ionomer placed over the canal orifices and into the pulp chamber can establish a coronal seal to minimize the risk for leakage.



roeko GuttaFlow[®]

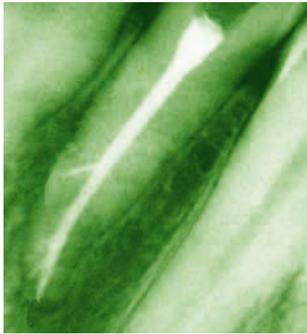




** Only available until **31.12.2019!**

RoekoSeal – Making Progress in Endodontics

RoekoSeal is an exceptional root canal sealer. Its chemical and physical properties fulfill all the requirements of a root canal sealer. RoekoSeal combines exceptional material properties such as excellent flowability, no shrinkage and biocompatibility with practical handling. There is no risk of incorrect mixing. RoekoSeal provides an excellent seal and sets new standards in quality and biocompatibility in endodontics. RoekoSeal flows so well that the root canal and lateral canals are filled effectively. Cell tests, tests for mutagenic effects and sensibilization tests all showed negative results.



RoekoSeal Automix/Single Dose

Working time: up to 30 min.
Curing time: 45 – 50 min.

Clinical Tests

The results of the clinical study demonstrate clearly that the periapical periodontitis has healed well and show the clinical success of RoekoSeal. The study was published in Journal of Endodontics, 2003 Apr; 36(4): 296-301

RoekoSeal Automix**

- Ready-to-use
- Dispenses just the quantity required
- Homogeneously and hygienically mixed and free of air bubbles
- Easy to use



Automix	
Set	349100
Dual-barrel syringe 1 pc; Mixing tips 12 pcs; Mixing pad, 1 pc	
Refill pack	
Mixing tips, 24 pcs	349105
Refill pack	
Dual-barrel syringe, 1 pc	349102

RoekoSeal Single Dose**



- Individual portions
- Hygienic
- Easy to use
- Perfect for pre-appointment set-up
- Sufficient material to treat one multi-rooted tooth

Single Dose	
Blister packs 40 pcs; Mixing pad, 1 pc; Spatula, 1 pc	349103



GuttaFlow® 2 – Expansion meets Adhesion. The new GuttaFlow® - generation

GuttaFlow 2 is a novel filling system for root canals that combines two products in one: gutta-percha in powder form with a particle size of less than 30 µm, and sealer. This new filling system works with cold free-flow gutta-percha.

GuttaFlow 2 is an advancement of the existing GuttaFlow material in capsules and has the same excellent material properties:

- Two in One – combines sealer and gutta-percha
- Excellent flow properties
- Solubility is virtually zero
- Tight seal of the root canal
- Biocompatible
- Optimum protection against re-infection
- Excellent radiopacity
- Allows for precise post preparation

GuttaFlow 2 shows a slight expansion and adheres very well to the master Guttapercha Point as well as to dentin. No condensation is necessary.

New application form: GuttaFlow 2 is available in a 5 ml automix syringe:

- Syringe guarantees easy handling, dispenses just the quantity required and mixes the material homogeneously, hygienically and free of air bubbles
- Working time: 10 - 15 min.
- Curing time: 25 - 30 min.
- The use of any additional sealer is not required



Working time: 10-15 min.
Curing time: 25-30 min.

GuttaFlow® 2



Working time: 10-15 min.
Curing time: 25-30 min.



ROEKO GuttaFlow® 2



Syringe - GuttaFlow 2

ROEKO GuttaFlow® 2 Standard Set		60013701
Dual-barrel syringe (5 ml)	1 pc	
Mixing tips	12 pcs	
Mixing pad	1 pc	
GuttaFlow 2 Refill pack dual-barrel syringe		60013745
Dual-barrel syringe (5 ml)	1 pc	
GuttaFlow 2 Refill pack mixing tips		60013719
Mixing tips	24 pcs	

Capsules - GuttaFlow 2 Introkit

GuttaFlow 2 Introkit		60013702
Capsules GuttaFlow 2	20 pcs	
Canal Tips + Stops	20 pcs	
Adapters for RotoMix™*	3 pcs	
Dispenser	1 pc	
Guttapercha points Top Color ISO 15-40	100 pcs	
Guttapercha points Greater Taper 0.04 20-45	60 pcs	



Refill packs capsules and accessories

Capsules GuttaFlow 2	20 pcs	60013704
Canal Tips + Stops	20 pcs	
GuttaFlow 2 Dispenser	1 pc	60013707
Canal Tips + Stops	20 pcs	349132
Combi Tips + Stops	20 pcs	349134
Adapters for RotoMix™*	3 pcs	349133

* RotoMix™ ist not a trademark of Coltène/Whaledent



GuttaFlow® bioseal – Bioactive obturation material. The brand new GuttaFlow® generation.

Not just for filling, also for healing. GuttaFlow® bioseal actively supports regeneration in the root canal.

With GuttaFlow bioseal, COLTENE is launching an intelligent obturation material onto the market that can do more than seal and fill the root canal. Upon contact with fluids, the bioactive material provides natural repair constituents such as calcium and silicates. It also activates biochemical processes that provide additional support for regeneration in the root canal. The idea is remarkably simple: after curing, the new GuttaFlow bioseal forms hydroxylapatite crystals on the surface. The crystals significantly improve adhesion and also stimulate natural triggers, especially the regeneration of bone and dentine tissue. Using this catalytic effect helps both ENDO experts and novices create long-lasting solutions for their patients, thus constituting a further breakthrough on the way to optimum endodontic treatment.

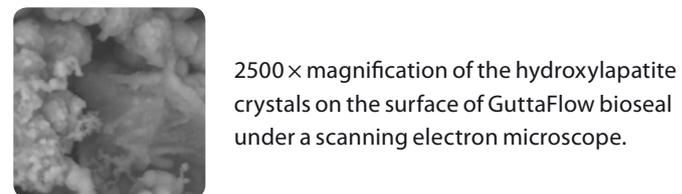
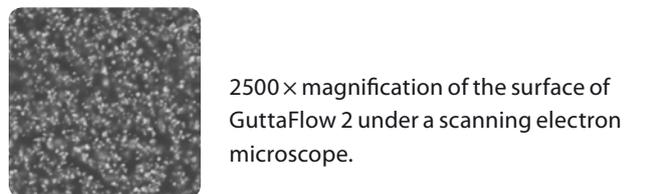
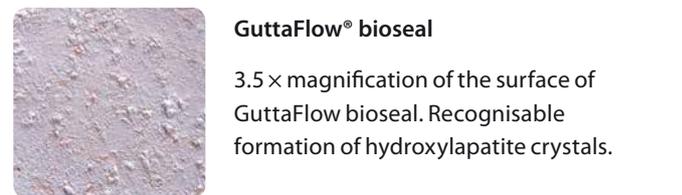
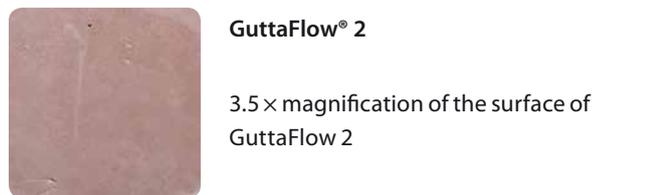
To date only dental materials such as MTA or bioglass have exhibited similar regenerative and supportive properties. However, the major disadvantages of these materials involved the long curing time and complicated handling. As with the proven GuttaFlow 2 system, GuttaFlow bioseal also combines free-flow gutta-percha with an appropriate sealer at room temperature.



Working time: 5 min.
Curing time: 12-16 min.

 **Step 1 (direct protection)**
 Protection already at filling, eg. with bioactivity due to possible residual moisture in the root canal

 **Step2 (sleeping protection)**
 Regenerative protection against possible moisture ingress, eg. by cracks



Source: Internal Tests



ROEKO GuttaFlow® bioseal



GuttaFlow bioseal Standard Set

Standard Set		60019560
Dual-barrel syringe (5 ml)	1 pc	
Mixing tips	12 pcs	
Mixing pad	1 pc	

GuttaFlow bioseal Refill packs applicator

Dual-barrel syringe (5 ml)	1 pc	60019561
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GuttaFlow bioseal Refill packs Mixing tips

Mixing tips	24 pcs	60019562
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HyFlex™ Paper and Guttapercha Points





HyFlex Guttapercha Points

The well-established HyFlex CM and HyFlex EDM NiTi file lines include perfectly matching paper and guttapercha points to facilitate an optimal treatment process.

- Precise fit
- Colour-coded
- Highest quality
- latex-free
- laser-measured
- produced fully automatically



HyFlex CM Guttapercha Points, drawer box	
HyFlex CM Files Size	HyFlex CM Guttapercha Points, 60 pcs
15/.04	-
20/.04	60022689
25/.04	60022690
30/.04	60022691
35/.04	60022692
40/.04	60022693
45/.04	60022694
50/.04	60022695
60/.04	60022696
Assorted 20-45 /.04	60022703
20/.06	60022697
25/.06	60022698
30/.06	60022699
35/.06	60022700
40/.06	60022701
45/.06	60022702
Assorted 20-45 /.06	60022704

HyFlex EDM Guttapercha Points, drawer box	
HyFlex EDM Files Size	HyFlex EDM Guttapercha Points, 60 pcs
20/.05	60022706
OneFile 25/~	60022707
40/.04	60022708
50/.03	60022709
60/.02	60022710
Assorted 20/.05 - 60/.02	60022705



ROEKO Guttapercha Points Top color



- Pink tip, end colored
- Prevents mixing up of sizes

- Assorted or individual sizes



(ISO)-Drawer box length: ≥ 28 mm	
Size	100 pcs
Assorted 15–40	365196
15	365115
20	365120
25	365125
30	365130
35	365135
40	365140
Assorted 45–80	365197
45	365145
50	365150
55	365155
60	365160
70	365170
80	365180
Assorted 90–140	365198
90	365190
100	365191
110	365192
120	365193
130	365194
140	365195

(ISO)-6 Tubes length: ≥ 28 mm	
Size	100 pcs
Assorted 15–40	365396
15	365315
20	365320
25	365325
30	365330
35	365335
40	365340
Assorted 45–80	365397
45	365345
50	365350
55	365355
60	365360
70	365370
80	365380



ROEKO Guttapercha Points color



- Color coded
- Prevents mixing up of sizes
- Assorted or individual sizes

(ISO)-Drawer box length: ≥ 28 mm

Size	100 pcs	Size	100 pcs
Assorted 15–40	362154	Assorted 45–80	362458
15	362015	45	362045
20	362020	50	362050
25	362025	55	362055
30	362030	60	362060
35	362035	70	362070
40	362040	80	362080

ROEKO Guttapercha Points



(ISO)-Drawer box length: ≥ 28 mm

Size	100 pcs
Assorted 15–40	360154
15	360015
20	360020
25	360025
30	360030
35	360035
40	360040
Assorted 45–80	360458
45	360045
50	360050
55	360055
60	360060
70	360070
80	360080
Assorted 90–140	360914
90	360090
100	360100
110	360110
120	360120
130	360130
140	360140

(ISO)-6 Tubes length: ≥ 28 mm

Size	100 pcs
Assorted 15–40	361154
15	361015
20	361020
25	361025
30	361030
35	361035
40	361040
Assorted 45–80	361458
45	361045
50	361050
55	361055
60	361060
70	361070
80	361080



ROEKO Guttapercha Points conventional



- Suitable for use as accessory points for condensation techniques
- More tapered

Drawer box length: ≥ 28 mm

Size	100 pcs	Size	100 pcs
Assorted XF-L (without FF)	364018	MF	364012
XF	364010	F	364013
FF	364011	FM	364014
		M	364015
		L	364017

ROEKO Guttapercha Points Greater Taper



- Ideal for obturating root canals which have been prepared with HyFlex CM files, GT Files, HERO, ProFile, Quantec etc.
- Available with a taper of 4% or 6%
- Assorted or individual sizes
- The diameter at the tip corresponds to the ISO sizes

Drawer box 60 pcs, length: ≥ 28 mm

Size	0.04	0.06	Size	0.04	0.06
Assorted 20–45	361746	361846	40	361740	361840
20	361720	361820	45	361745	361845
25	361725	361825	50	60019565	
30	361730	361830	60	60019566	
35	361735	361835			

ROEKO Guttapercha Points HyFlex™ EDM



Drawer box, length: ≥ 28 mm

Size	60 pcs
Assorted 25/~ – 60/02	60020210
20/0.5	60022562
25/~	60019568
40/04	361740
50/03	60019567
60/02	365160



ROEKO Spreader



- For lateral condensation
- Stainless steel
- Rings on handle indicate size to allow for easy identification

Spreader		
Size	pcs	
Assorted 20–50	4 pcs	386000
20	1 pc	386002
30	1 pc	386003
40	1 pc	386004
50	1 pc	386005

ROEKO Plugger



- For vertical condensation
- Stainless steel
- Millimetres length gradation on tips
- Rings on handle indicate size to allow for easy identification

Plugger		
Size	pcs	
Assorted 0.6–1.2 mm	4 pcs	386100
0.6 mm	1 pc	386106
0.8 mm	1 pc	386108
1.0 mm	1 pc	386110
1.2 mm	1 pc	386112

Endodontics

Definite restoration

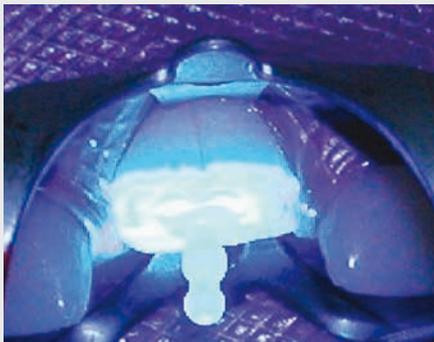


Step 12 Definite restoration



Placement of a definitive restoration that seals the tooth coronally is critical for the long-term success of root canal treatment. Lack of a fluid-tight seal will result in bacterial contamination of the obturated root canal system and ultimate failure of the case. In addition to sealing the tooth coronally, the definitive restoration should reinforce the remaining tooth structure to prevent fracture and replace lost tooth structure to return the tooth to full function.

As a general rule, endodontically-treated posterior teeth should be restored with a core restoration and crown. When a significant amount of coronal tooth structure has been lost, a post that extends approximately two-thirds the length of the root may be indicated to provide retention for the core restoration. Posts serve the sole function of providing retention for the core material.



ParaPost FiberLux is seated in post space and cement is light-cured (if using a light-curing cement).



Core build-up using ParaCore and ParaForm Core former.



Final post and core build-up.

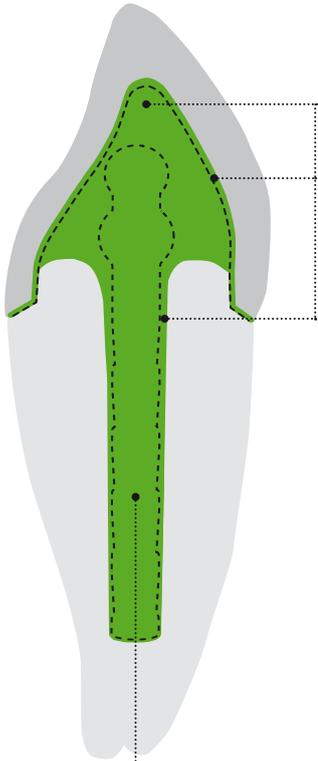
The choice of post material is often based on functional and esthetic demands of the tooth being restored in addition to the amount of remaining tooth structure and clinician preference.

ParaPost®





One complete system for the direct and indirect technique using active and passive root canal posts



ParaCore® 5 ml

One material for 3 indications.

Dual cure composite cement for cementation and core build ups.

ParaCore 5 ml is approved for the following 3 key indications:

- crown & bridge cementation
- core build ups
- post cementation

Use of one material for cementation and core build ups provides an optimal "monoblock bond interface" between the post-cement-dentin-crown, resulting in a cohesive restoration with outstanding durability and strength.

ParaPost®XT™ Threaded, Titanium Alloy Post

Threaded, parallel-sided post with rounded, undercut head for direct post/core build-ups in one appointment. Ideal for glass-ionomer/composite core build-ups which require more retention and more safety.

ParaPost®XH™ Passive, Titanium Alloy Post

Passive cemented, parallel-sided post with rounded, undercut head for direct post/core build-ups in one appointment. Ideal for glass-ionomer/composite core build-ups which require the safety of a passive post.

ParaPost® Fiber White/Fiber Lux/Taper Lux

ParaPost® Fiber White, Fiber Lux and Taper Lux are great alternatives to metal posts for esthetic, metal-free restorations.

ParaPost®XP™ Passive, Titanium Alloy or Stainless Steel Post

Passive cemented, parallel-sided post with flat head for direct post/core build-ups in one appointment. Ideal for multi-rooted post/core build-ups.

ParaPost®XP™ Casting Components

Passive cemented, parallel-sided, prefabricated casting components for the direct/indirect casting technique. Ideal for clinical situations requiring the additional strength of a precision, one-piece cast post/core and choice of alloy.

Active



Passive



Passive



Passive



Passive





ParaPost® X™ System

- A complete family of posts for any clinical situation
- State-of-the-art universal endodontic post system for all direct and casting techniques.
- Standardized system with seven sizes including two intermediate sizes
- Non-end cutting, depth-calibrated drills for precise canal preparation
- Diamond pattern design, multiple venting channels

ParaPost® XT™



- Titanium alloy post
- Threaded, parallel-sided post with rounded, undercut head for direct post/core restoration in one appointment
- Ideal for glass-ionomer/composite core restorations which require more retention and more safety
- Active

Introductory Kit

One-Office-Visit Technique; Titanium Alloy Posts				P680T
Size			pcs	
3	ø 0.90 mm	Brown	3 pcs	
4	ø 1.00 mm	Yellow	5 pcs	
4.5	ø 1.14 mm	Blue	5 pcs	
5	ø 1.25 mm	Red	5 pcs	
5.5	ø 1.40 mm	Purple	4 pcs	
6	ø 1.50 mm	Black	3 pcs	
ParaPost XT Drills			6 pcs	
Universal Hand Driver			1 pc	
Metal Wrench A for size 3, 4, 4.5			1 pc	
Metal Wrench B for size 5, 5.5, 6			1 pc	

Metal Wrenches

Wrench A for sizes 3, 4, 4.5	1 pc	L594
Wrench B for sizes 5, 5.5, 6	1 pc	L595
Wrench A+B	2 pcs	L596

Universal Hand Driver

	1 pc	L590
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Titanium Alloy Posts Refill

Size			10 pcs	25 pcs
3	ø 0.90 mm	Brown	P6830	P6830B
4	ø 1.00 mm	Yellow	P6840	P6840B
4.5	ø 1.14 mm	Blue	P6845	P6845B
5	ø 1.25 mm	Red	P6850	P6850B
5.5	ø 1.40 mm	Purple	P6855	P6855B
6	ø 1.50 mm	Black	P6860	P6860B



Drills Refill three-fluted			
Size			3 pcs
3	ø 0.90 mm	Brown	P6230
4	ø 1.00 mm	Yellow	P6240
4.5	ø 1.14 mm	Blue	P6245
5	ø 1.25 mm	Red	P6250
5.5	ø 1.40 mm	Purple	P6255
6	ø 1.50 mm	Black	P6260
Assorted 3-6 (one of each size)			P682A

ParaPost® XH™



- Titanium alloy post
- Passive cemented, parallel-sided post with rounded, undercut head for direct post/core build-ups in one appointment
- Ideal for glass ionomer/composite core build-ups which require the safety of a passive post

Introductory Kit			
One-Office-Visit Technique; Titanium Alloy Posts			P880
Size			pcs
3	ø 0.90 mm	Brown	4 pcs
4	ø 1.00 mm	Yellow	5 pcs
4.5	ø 1.14 mm	Blue	5 pcs
5	ø 1.25 mm	Red	5 pcs
5.5	ø 1.40 mm	Purple	2 pcs
6	ø 1.50 mm	Black	2 pcs
7	ø 1.75 mm	Green	2 pcs
ParaPost X Drills (one of each size)			7 pcs
Universal Hand Driver			1 pc

Titanium Alloy Posts Refill			
Size			10 pcs
3	ø 0.90 mm	Brown	P883
4	ø 1.00 mm	Yellow	P884
4.5	ø 1.14 mm	Blue	P884.5
5	ø 1.25 mm	Red	P885
5.5	ø 1.40 mm	Purple	P885.5
6	ø 1.50 mm	Black	P886
7	ø 1.75 mm	Green	P887



ParaPost® XP™



- Titanium Alloy or Stainless Steel Posts
- Passive cemented, parallel-sided post with flat head for direct post/core build-ups in one appointment
- Ideal for multi-rooted core restorations

System Introductory Kit

One-Office-Visit Technique; Stainless Steel Posts			P780
One-Appointment Technique; Titanium Alloy Posts			P780T
Size			pcs
3	ø 0.90 mm	Brown	4 pcs
4	ø 1.00 mm	Yellow	5 pcs
4.5	ø 1.14 mm	Blue	5 pcs
5	ø 1.25 mm	Red	5 pcs
5.5	ø 1.40 mm	Purple	2 pcs
6	ø 1.50 mm	Black	2 pcs
7	ø 1.75 mm	Green	2 pcs
ParaPost X Drills (one of each size)			7 pcs
Universal Hand Driver			1 pc



Stainless Steel Posts Refill

Size			10 pcs	25 pcs
3	ø 0.90 mm	Brown	P7443	P7443B
4	ø 1.00 mm	Yellow	P7444	P7444B
4.5	ø 1.14 mm	Blue	P7444.5	-
5	ø 1.25 mm	Red	P7445	P7445B
5.5	ø 1.40 mm	Purple	P7445.5	P7445.5B
6	ø 1.50 mm	Black	P7446	-
7	ø 1.75 mm	Green	P7447	-

Titanium Alloy Posts Refill

Size			10 pcs	
3	ø 0.90 mm	Brown	P7843	
4	ø 1.00 mm	Yellow	P7844	
4.5	ø 1.14 mm	Blue	P7844.5	
5	ø 1.25 mm	Red	P7845	
5.5	ø 1.40 mm	Purple	P7845.5	
6	ø 1.50 mm	Black	P7846	



ParaPost® XP™ System Introductory Kit



- Passive cemented, parallel-sided, prefabricated casting components for the direct/indirect casting technique
- Ideal for clinical situations requiring the additional strength of a precision one-piece casting post and choice of alloy.

System Introductory Kit

Casting Technique		P781
Impression Posts (Size 3–7)	25 pcs	
Temporary Posts (Size 3–7)	25 pcs	
Burnout Posts (Size 3–7)	25 pcs	
ParaPost X Drills (one of each size)	7 pc	

Plastic Impression Posts Refill

Size			20 pcs
3	ø 0.90 mm	Brown	P7433
4	ø 1.00 mm	Yellow	P7434
4.5	ø 1.14 mm	Blue	P7434.5
5	ø 1.25 mm	Red	P7435
5.5	ø 1.40 mm	Purple	P7435.5
6	ø 1.50 mm	Black	P7436
7	ø 1.75 mm	Green	P7437

Titanium Temporary Posts Refill

Size			20 pcs
3	ø 0.90 mm	Brown	P7463
4	ø 1.00 mm	Yellow	P7464
4.5	ø 1.14 mm	Blue	P7464.5
5	ø 1.25 mm	Red	P7465
5.5	ø 1.40 mm	Purple	P7465.5
6	ø 1.50 mm	Black	P7466
7	ø 1.75 mm	Green	P7467

Plastic Lab Burnout Posts Refill

Size			10 pcs	25 pcs	100 pcs
3	ø 0.90 mm	Brown	P7513	P7513B	P7513E
4	ø 1.00 mm	Yellow	P7514	P7514B	P7514E
4.5	ø 1.14 mm	Blue	P7514.5	P7514.5B	P7514.5E
5	ø 1.25 mm	Red	P7515	P7515B	P7515E
5.5	ø 1.40 mm	Purple	P7515.5	P7515.5B	P7515.5E
6	ø 1.50 mm	Black	P7516	P7516B	P7516E
7	ø 1.75 mm	Green	P7517	P7517B	P7517E



ParaPost® X System Drills



Drills Refill two-fluted Compatible with all ParaPost X System Posts

Size			3 pcs
3	ø 0.90 mm	Brown	P423
4	ø 1.00 mm	Yellow	P424
4.5	ø 1.14 mm	Blue	P424.5
5	ø 1.25 mm	Red	P425
5.5	ø 1.40 mm	Purple	P425.5
6	ø 1.50 mm	Black	P426
7	ø 1.75 mm	Green	P427
Assorted 3–6 (one of each size)			6 pcs P42A



ParaPost® Fiber White / Fiber Lux / Taper Lux

Great alternatives to metal posts for esthetic, metal-free restorations.

Fiber White: Chemical Bond between Fiber White and core composite material.

Fiber Lux: Translucency enables use of light-cured cements and core materials. Parallel design.

Taper Lux: Tapered design for narrow root canals. Translucent for light-cured cements and core materials.



Fiber White Introductory Kit

One-Office-Visit Technique				PF160
Metal-free Posts				
Posts / Drill	4.5	ø 1.14 mm	3 pcs / 1 pc	
Posts / Drill	5	ø 1.25 mm	3 pcs / 1 pc	
Posts	5.5	ø 1.40 mm	2 pcs	
Posts / Drill	6	ø 1.50 mm	2 pcs / 1 pc	
Universal Hand Driver				1 pc
– compatible with ParaPost Drills (P423 to 7)				

Fiber White Refill One-Office-Visit Technique; Metal-free Posts

Size	5 pcs/pack	10 pcs (pouched per item)
3	PF1613	60018563
4.5	PF1614.5	60018564
5	PF1615	60018565
5.5	PF1615.5	60018566
6	PF1616	60018567

Fiber Lux Introductory Kit

One-Office-Visit Technique				PF170
Metal-free Posts				
Posts / Drill	3	ø 0.90 mm	2 pcs / 1 pc	
Posts / Drill	4	ø 1.00 mm	3 pcs / 1 pc	
Posts / Drill	4.5	ø 1.14 mm	3 pcs / 1 pc	
Posts / Drill	5	ø 1.25 mm	3 pcs / 1 pc	
Posts / Drill	5.5	ø 1.40 mm	2 pcs / 1 pc	
Posts / Drill	6	ø 1.50 mm	2 pcs / 1 pc	
Universal Hand Driver				1 pc
– compatible with ParaPost® Drills (P423 to 7)				

Fiber Lux Refill One-Office-Visit Technique; Metal-free Posts

Size	5 pcs/pack	10 pcs (pouched per item)
3	PF1713	60018568
4	PF1714	60018569
4.5	PF1714.5	60018570
5	PF1715	60018571
5.5	PF1715.5	60018572
6	PF1716	60018573



ParaPost® Taper Lux



Taper Lux Introductory Kit

One-Office-Visit Technique				PF180
Metal-free Posts				
Posts / Taper Lux Drill	4.5	ø 1.14 mm	5 pcs / 1 pc	
Posts / Taper Lux Drill	5	ø 1.25 mm	5 pcs / 1 pc	
Posts / Taper Lux Drill	5.5	ø 1.40 mm	3 pcs / 1 pc	
Posts / Taper Lux Drill	6	ø 1.50 mm	2 pcs / 1 pc	
Universal Hand Driver				1 pc
– specially ParaPost Taper Lux Drills are required (P82A)				

Taper Lux Refill One-Office-Visit Technique; Metal-free Posts

Size	5 pcs/pack	10 pcs (pouched per item)
4.5	PF1814.5	60018577
5	PF1815	60018578
5.5	PF1815.5	60018579
6	PF1816	60018580

TENAX®



- Cylindro-conical, passive post system

Complete Kit

One-Office-Visit + Casting Technique					TEC1	
Universal Hand Driver				1 pc		
Starter Drill				1 pc		
Drills			pcs	Impression/Temporary Posts		pcs
ø 1.1 mm	black	1 pc	ø 1.1 mm	black	10 pcs	
ø 1.2 mm	grey	1 pc	ø 1.2 mm	grey	10 pcs	
ø 1.3 mm	yellow	1 pc	ø 1.3 mm	yellow	10 pcs	
ø 1.4 mm	red	1 pc	ø 1.4 mm	red	10 pcs	
ø 1.5 mm	blue	1 pc	ø 1.5 mm	blue	5 pcs	
ø 1.6 mm	green	1 pc	ø 1.6 mm	green	5 pcs	
Titanium Alloy Posts			pcs	Burn-out Posts		pcs
ø 1.1 mm	black	10 pcs	ø 1.1 mm	black	10 pcs	
ø 1.2 mm	grey	10 pcs	ø 1.2 mm	grey	10 pcs	
ø 1.3 mm	yellow	10 pcs	ø 1.3 mm	yellow	10 pcs	
ø 1.4 mm	red	10 pcs	ø 1.4 mm	red	10 pcs	
ø 1.5 mm	blue	5 pcs	ø 1.5 mm	blue	5 pcs	
ø 1.6 mm	green	5 pcs	ø 1.6 mm	green	5 pcs	



TENAX® Kits



Introductory Kit

One-Office-Visit and Casting Technique		TEC2
Titanium Alloy Posts*	20 pcs	
Starter Drill	1 pc	
Impression/Temporary Posts*	20 pcs	
Universal Hand Driver	1 pc	
Plastic Burn-out Posts*	20 pcs	
Drills (one of each size: 1.2 mm, 1.4 mm)	2 pcs	
*10 of each size 1.2, 1.4 mm		



Complete Kit

One-Office-Visit + Casting Technique		TEU1	
Universal Hand Driver	1 pc		
Starter Drill	1 pc		
Drills	pcs	Titanium Alloy Posts	pcs
ø 1.1 mm black	1 pc	ø 1.1 mm black	10 pcs
ø 1.2 mm grey	1 pc	ø 1.2 mm grey	10 pcs
ø 1.3 mm yellow	1 pc	ø 1.3 mm yellow	10 pcs
ø 1.4 mm red	1 pc	ø 1.4 mm red	10 pcs
ø 1.5 mm blue	1 pc	ø 1.5 mm blue	5 pcs
ø 1.6 mm green	1 pc	ø 1.6 mm green	5 pcs



Introductory Kit

One-Office-Visit Technique		TEU2
Drills (one of each size: 1.2 mm, 1.4 mm)	2 pcs	
Starter Drill	1 pc	
Titanium Alloy Posts*	20 pcs	
Universal Hand Driver	1 pc	
*10 of each size 1.2, 1.4 mm		



TENAX® Kits



Complete Kit

Casting Technique					TET1
Universal Hand Driver				1 pc	
Starter Drill				1 pc	
Drills			Impression/Temporary Posts		
		pcs			pcs
ø 1.1 mm	black	1 pc	ø 1.1 mm	black	20 pcs
ø 1.2 mm	grey	1 pc	ø 1.2 mm	grey	20 pcs
ø 1.3 mm	yellow	1 pc	ø 1.3 mm	yellow	20 pcs
ø 1.4 mm	red	1 pc	ø 1.4 mm	red	20 pcs
ø 1.5 mm	blue	1 pc	ø 1.5 mm	blue	10 pcs
ø 1.6 mm	green	1 pc	ø 1.6 mm	green	10 pcs
			Burn-out Posts		
					pcs
			ø 1.1 mm	black	20 pcs
			ø 1.2 mm	grey	20 pcs
			ø 1.3 mm	yellow	20 pcs
			ø 1.4 mm	red	20 pcs
			ø 1.5 mm	blue	10 pcs
			ø 1.6 mm	green	10 pcs

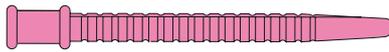


Starter Drill and Universal Hand Driver

Starter Drill	1 pc	TEDC1
Universal Hand Driver	1 pc	



TENAX® Posts



Impression/Temp. Posts 15 pcs		
ø 1.1 mm	black	TEEP11
ø 1.2 mm	grey	TEEP12
ø 1.3 mm	yellow	TEEP13
ø 1.4 mm	red	TEEP14

Plastic Burn-out Posts 30 pcs		
ø 1.1 mm	black	TEL11
ø 1.2 mm	grey	TEL12
ø 1.3 mm	yellow	TEL13

Titanium Alloy Posts 15 pcs		
ø 1.1 mm	black	TET11
ø 1.2 mm	grey	TET12
ø 1.3 mm	yellow	TET13
ø 1.4 mm	red	TET14

Drills 3 pcs		
ø 1.1 mm	black	TEA11
ø 1.2 mm	grey	TEA12
ø 1.3 mm	yellow	TEA13
ø 1.4 mm	red	TEA14
Assorted 6 pcs (one of each size)		TEA1



TENAX® Fiber Trans



- Great alternative for esthetic, metal-free restorations
- Bonds with dual- and self-cure resin cements and all composite materials

Fiber Trans Introductory Kit

One-Office-Visit Technique		TFT1
Fiber Trans Posts ø 1.1 mm 5 pcs	Drill ø 1.1 mm	
Fiber Trans Posts ø 1.3 mm 5 pcs	Drill ø 1.3 mm	
Fiber Trans Posts ø 1.5 mm 5 pcs	Drill ø 1.5 mm	
Universal Hand Driver (L590)		

Fiber Trans Drills Refill

ø 1.1 mm	3 pcs	TED11
ø 1.3 mm	3 pcs	TED13
ø 1.5 mm	3 pcs	TED15

Fiber Trans Posts Refill

	5 pcs/pack	10 pcs (pouched per item)
ø 1.1 mm	TFT11	60018574
ø 1.3 mm	TFT13	60018575
ø 1.5 mm	TFT15	60018576



ParaCore®



- Dual-cured composite resin system with integrated bond
- The “25-ml-version” is indicated for post cementation and core build-ups
- The “5-ml-version” can also be used to cement crowns, bridges, inlays and onlays
- Extraordinary strength for long-term restorations

ParaCore 5 ml Intro Kit

Intro Kit		5885
Syringe White, Dentin, Dentin SLOW + Trans SLOW	4 x 5 ml	
ParaBond Non-Rinse Conditioner + Adhesive A & B	3 x 3 ml	
Mixing Tip brown, short, super fine	1 x 20	
Accessories	1 x	
<hr/>		
Intro Kit SLOW		60013753
Syringe Dentin SLOW + Trans SLOW	4 x 5 ml	
ParaBond Non-Rinse Conditioner + Adhesive A & B	3 x 3 ml	
Mixing Tip brown, short, super fine	1 x 20	
Accessories	1 x	

ParaCore 5 ml Refills

ParaCore 5 ml Syringe White	2 x 5 ml	5886
Mixing Tip brown, short, super fine	1 x 20	
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ParaCore 5 ml Syringe Dentin	2 x 5 ml	5887
Mixing Tip brown, short, super fine	1 x 20	
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ParaCore 5 ml Syringe Dentin SLOW	2 x 5 ml	60011391
Mixing Tip brown, short, super fine	1 x 20	
<hr/>		
ParaCore 5 ml Syringe Trans SLOW	2 x 5 ml	60011392
Mixing Tip brown, short, super fine	1 x 20	

ParaCore Single 25 ml

Content		Dentin	White
Intro Kit		1500	1502
Dispenser	1 x		
Cartridge	1 x 25 ml		
ParaBond Non-Rinse Conditioner + Adhesive A & B	3 x 3 ml		
Mixing Tip yellow / Oral Tips	2 x 20		
Accessories	1 x		
<hr/>			
Standard Kit		1501	1503
Cartridge	1 x 25 ml		
Mixing Tip yellow / Oral Tips	2 x 20		
ParaBond Non-Rinse Conditioner + Adhesive A & B	3 x 3 ml		
Accessories	1 x		
<hr/>			
Automix Refill pack		5853	5854
Cartridge	1 x 25 ml		
Mixing Tip yellow / Oral Tips	2 x 20		



NOTES





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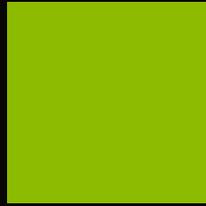
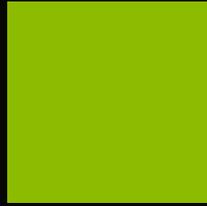
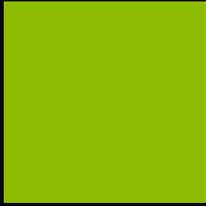
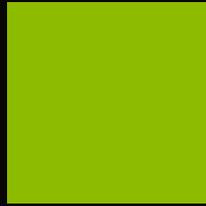
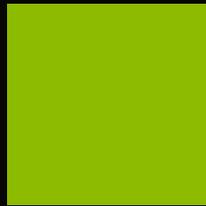
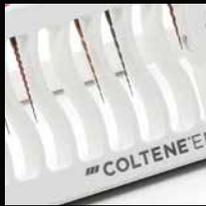
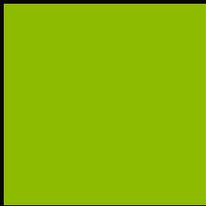
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