

# RUBBER-DAM liquid

LIGHT-CURED RUBBER-DAM LIQUID



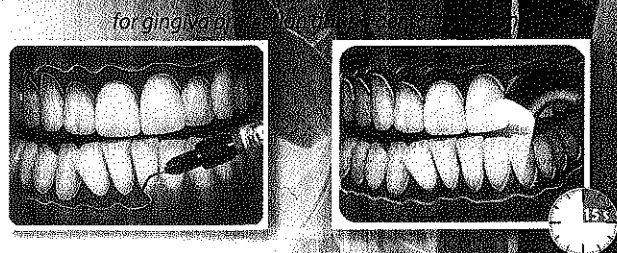
NEW QUALITY OF WORK



PERFECT PROTECTION of soft tissues

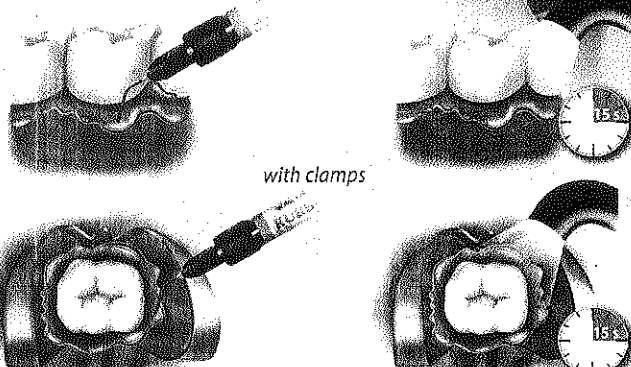


WIDE RANGE OF USE



for sealing rubber dams

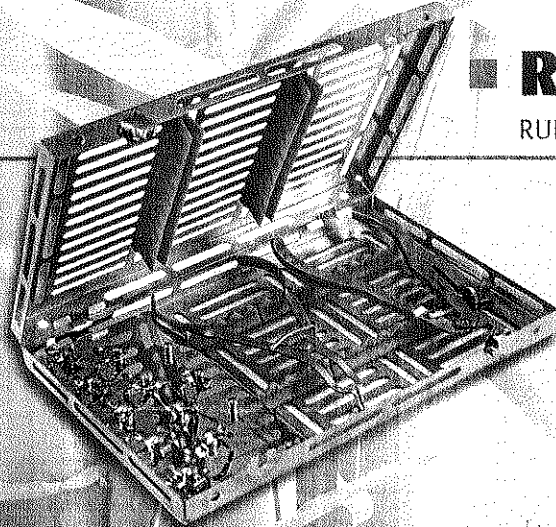
without clamps



with clamps

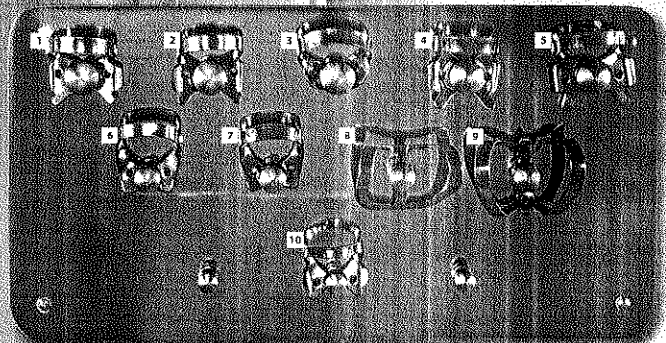
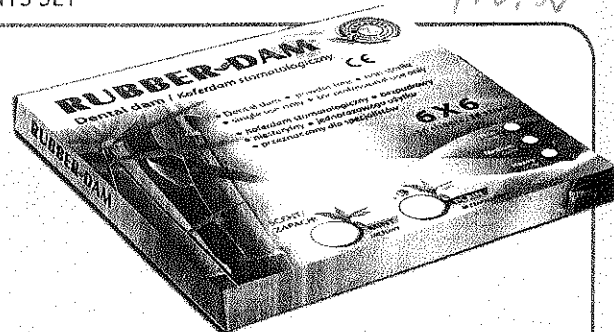
## RUBBER-DAM set

RUBBER DAM INSTRUMENTS SET



THE SET INCLUDES:

- rubber dam punch
- clamps forceps
- rubber dam frames
- the set of clamps

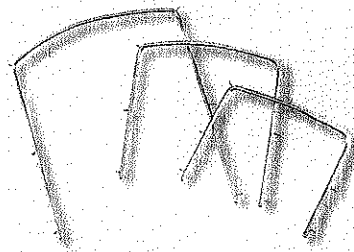
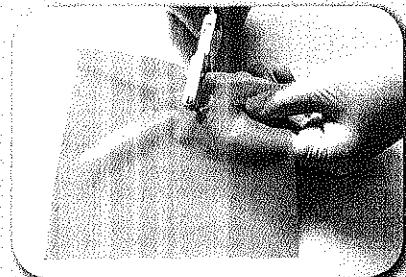


The set of high-elasticity clamps with shape memory:

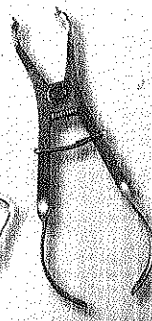
1. Flat jaws clamp for small lower molars.
2. Fastened jaws clamp for large upper molars. Jaws fit the gum curvature.
3. Fastened jaws clamp for molars roots.
4. Serrated jaws clamp for lower right molars.
5. Serrated jaws clamp for lower left molars.
6. One small and one large jaw clamp for anteriors.
7. Flat jaw clamp for anteriors.
8. Rounded jaws clamp for premolars.
9. Rounded and flat jaw clamp for premolars.
10. Small jaws of high bow clamp for anteriors and small premolars.



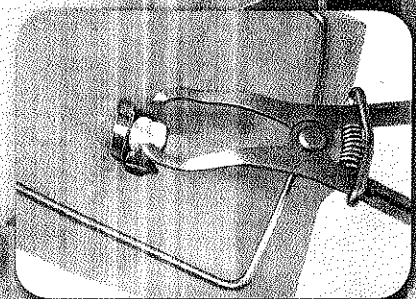
Rubber dam punch with the function of adjusting the hole diameter



Profiled rubber dam frames available in 3 sizes



Rubber dam forceps for clamps placement with the opening degree resistance



# RUBBER-DAM DENTAL RUBBER DAM

Analysis of powder content in **RUBBER-DAM** Cerkamed and the market-leading product

Powder content requirements according to standards ASTM D6 124-01 < 5 mg/glove (0.18mm x 5x5x)	<b>RUBBER-DAM</b> Cerkamed LOT 181205	MARKET-LEADING PRODUCT LOT 175G1
	0,1	5

Date sample received 03/02/2012  
Date of test 12/02/2012

Analysis of powder content in **RUBBER-DAM** Cerkamed and the market-leading product

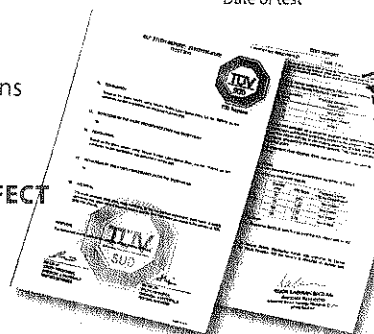
Latex proteins content according to standards ASTM D5712-2005 < 50 ug/dm2	<b>RUBBER-DAM</b> Cerkamed LOT 181205	MARKET-LEADING PRODUCT LOT 175G1
	20	50

Date sample received 03/02/2012  
Date of test 06/02/2012



Negligible content of powder and latex proteins in **RUBBER-DAM** Cerkamed testifies

**NON-IRRITATING AND NON-ALLERGENIC EFFECT** on patients' soft tissues.



**NON TOXIC**  
**NON ALLERGENIC**  
**NON IRRITATING**

Tests performed in Rubber Search Institute U.P.B.

Comparison of dental dam **RUBBER-DAM** Cerkamed with the market-leading product

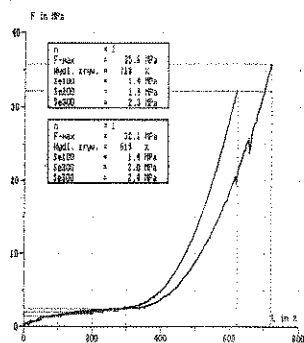


Chart 1 Resistance to stretching

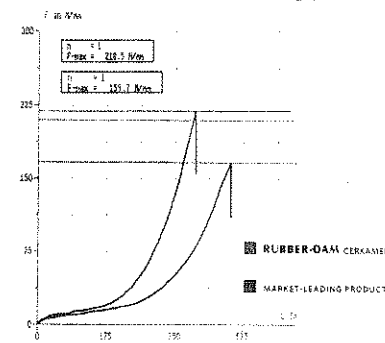


Chart 2 Resistance to material tearing

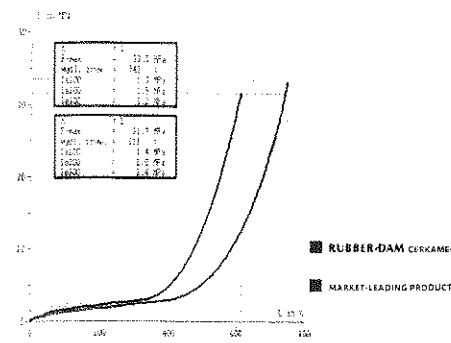
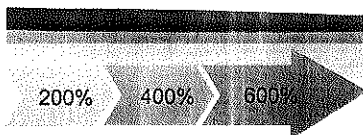
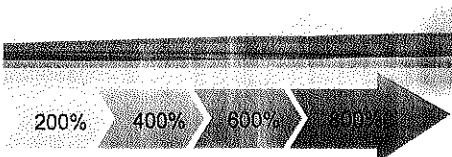


Chart 3 Elongation during stretching

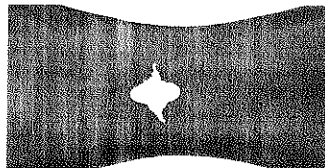
MARKET-LEADING PRODUCT



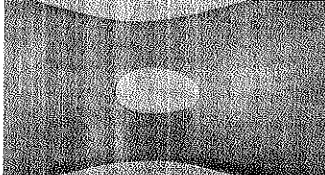
**RUBBER-DAM CERKAMED**



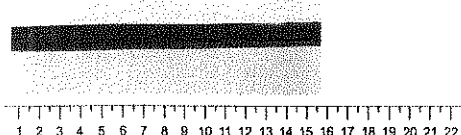
MARKET-LEADING PRODUCT



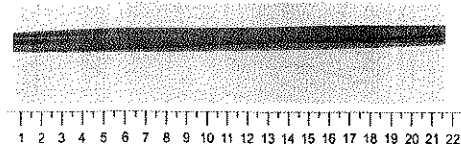
**RUBBER-DAM CERKAMED**



MARKET-LEADING PRODUCT



**RUBBER-DAM CERKAMED**



**SAFETY -**  
tight adhesion to the tooth



**EXCELLENT DURABILITY -**  
better burst resistance



**EXCEPTIONAL FLEXIBILITY -**  
easy and convenient to fix

Tests were performed in accredited laboratory of The Institute of Elastomers and Rubber Technology in Piastów.

## RUBBER-DAM cord DENTAL DAM STABILIZING CORD

AVAILABLE SIZES:

fine



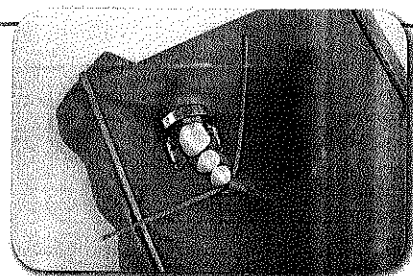
medium



thick

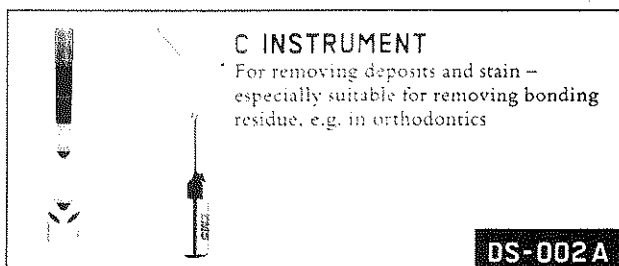
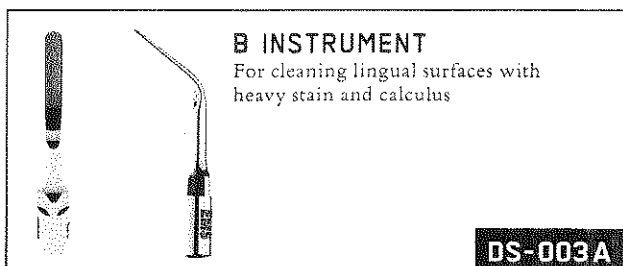
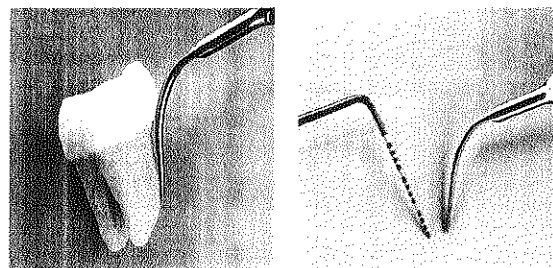
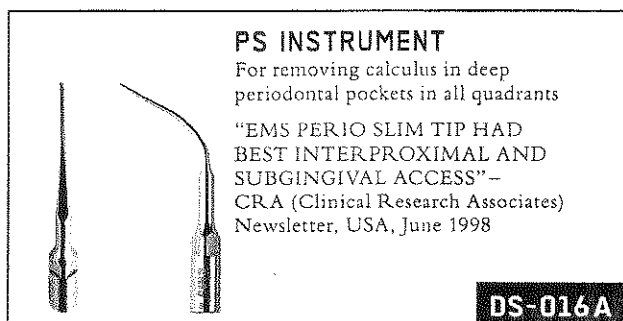
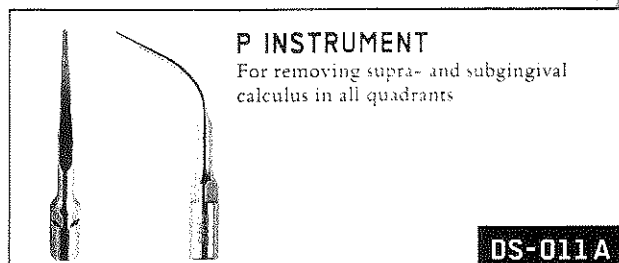
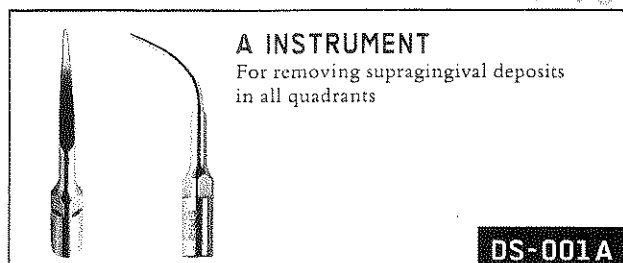


LENGTH: 1,20 m

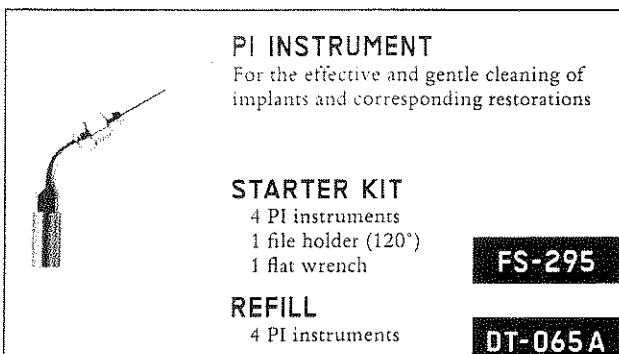
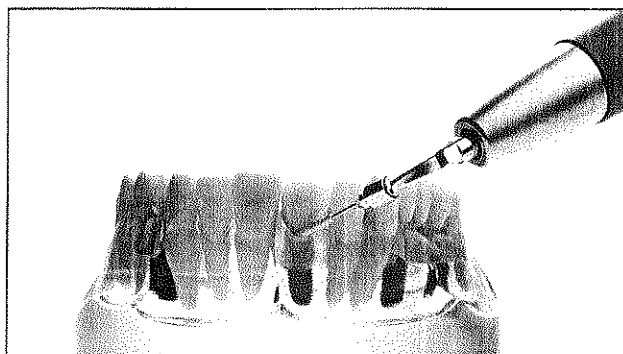


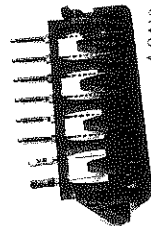
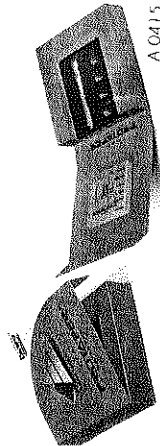
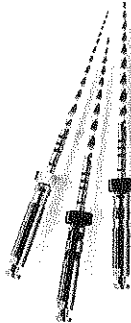
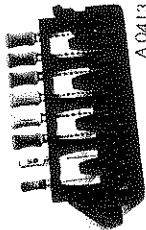
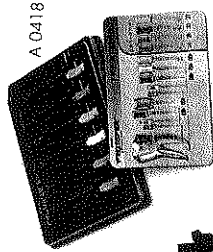
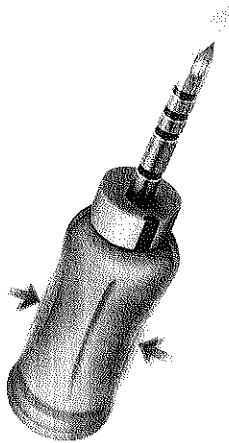
# SCALING AND PERIO→

WITH CONTROLLED INSTRUMENT MOVEMENTS  
GENTLE AND PAINLESS



## IMPLANT CLEANING WITH PIEZON®





A 0416

TREATMENT – FOR HAND USE  
PROTAPER®

Accessory SX: A 0416-X  
Coronal shaping S1: A 0416-1  
Middle shaping S2: A 0416-2

N2, 2

N° ISO SIZE

X6

SX S1 S2

Symbol

NITI

mm

19 mm

21/25/31 mm

A 0417

PROTAPER® APICAL SHAPING

F1: A 0417-1 – F2: A 0417-2 – F3: A 0417-3  
F4: A 0417-4 – F5: A 0417-5

N2, 6

X6

F1 F2 F3 F4 F5

F1: Ø 20/7% – F2: Ø 25/8% – F3: Ø 30/9%  
F4: Ø 40/6% – F5: Ø 50/5%

A 0418

PROTAPER® ASSORTMENT

X1

SX S1 S2

A 0413

PROTAPER® SEQUENCER

Black (empty – vide – leer – vuoto – vuoto)

A 0410

TREATMENT – ROTARY  
PROTAPER® SHAPING FILES

Shaping File SX: A 0410-X  
Shaping File S1: A 0410-1  
Shaping File S2: A 0410-2

X6

SX S1 S2

A 0411

PROTAPER® FINISHING FILES

F1: A 0411-1 – F2: A 0411-2 – F3: A 0411-3  
F4: A 0411-4 – F5: A 0411-5

X6

F1 F2 F3 F4 F5

F1: Ø 20/7% – F2: Ø 25/8% – F3: Ø 30/9%  
F4: Ø 40/6% – F5: Ø 50/5%

A 0409

PROTAPER® ASSORTMENT

X1

SX S1 S2

PROTAPER® SEQUENCE BASE

A 0415

PROTAPER® STARTER KIT

6x: SX – S1 – S2 – F1 – F2 – F3 + sequencer

A 0413

PROTAPER® SEQUENCER

X1

SX S1 S2

Black (empty – vide – leer – vuoto – vuoto)

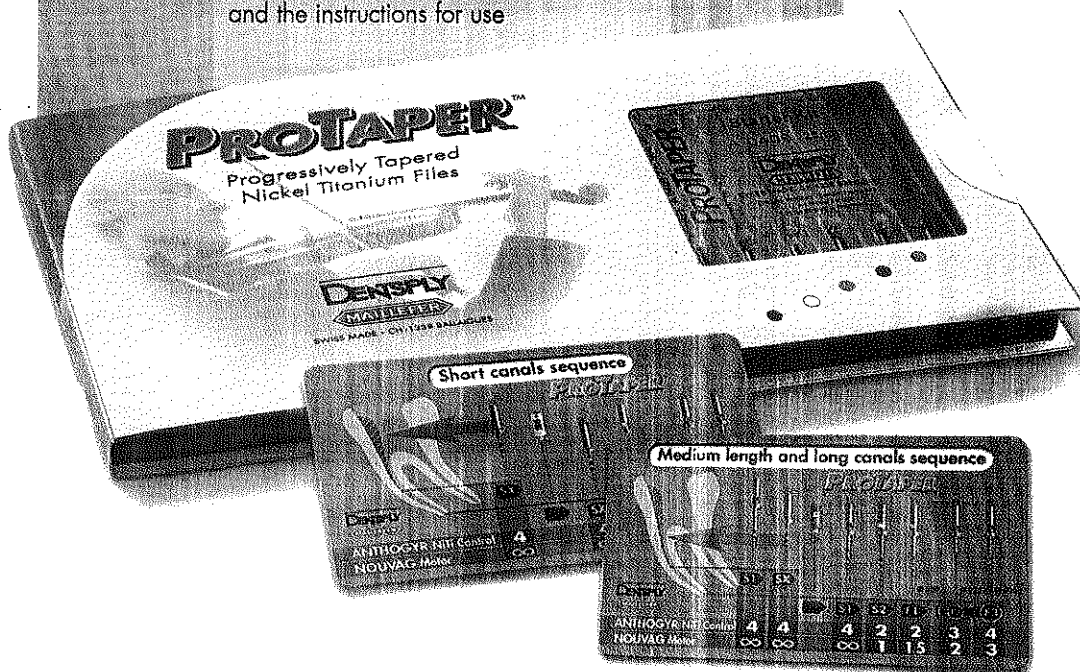


# REF References

th. 6, 7

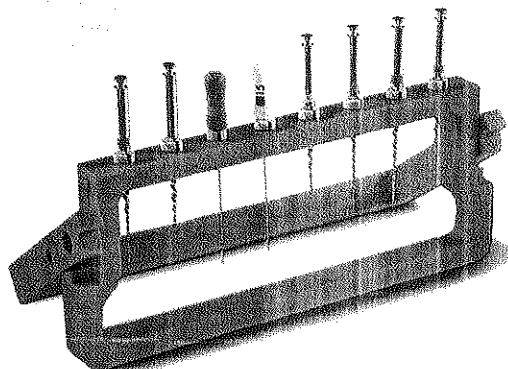
## Starters Kits

REF A 0409	SX, S1, S2, F1, F2, F3	19 mm	21 mm	25 mm
REF A 0415	SX, S1, S2, F1, F2, F3 + Sequencer including one sequence card and the instructions for use			



## Refills

REF A 0410-X	Shaping File X	19 mm	21 mm	25 mm
REF A 0410-1	Shaping File 1-2			
REF A 0410-2	Shaping File 1-2			
REF A 0411-1	Finishing File 1-3			
REF A 0411-2	Finishing File 1-3			
REF A 0411-3	Finishing File 1-3			
REF A 0413	Sequencer For easy sterilization and operational sequence of 6 PROTAPER™ instruments plus 2 hand files			



Creativity in the art of dentistry



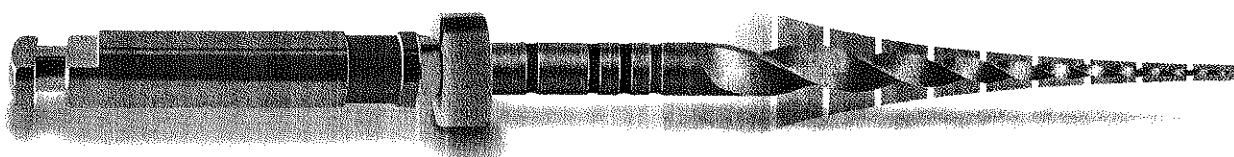
Maillefer Instruments  
CH-1338 Ballaigues  
Switzerland  
[www.maillefer.ch](http://www.maillefer.ch)

For internal use only

# PROTAPER™

Multiple & Progressive Tapers

UAB „ORIOLA VILNIUS“  
Laisvės pr. 75, LT-08144 Vilnius



REF A 0409 Starter Kit PROTAPER™



REF A 0410 Shaping Files PROTAPER™



REF A 0411 Finishing Files PROTAPER™

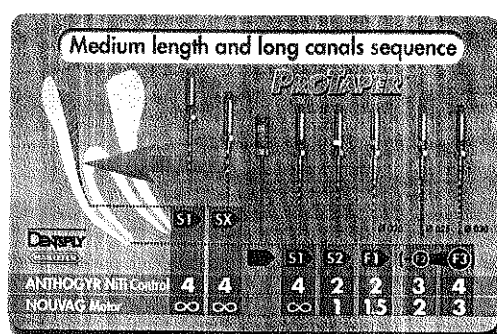
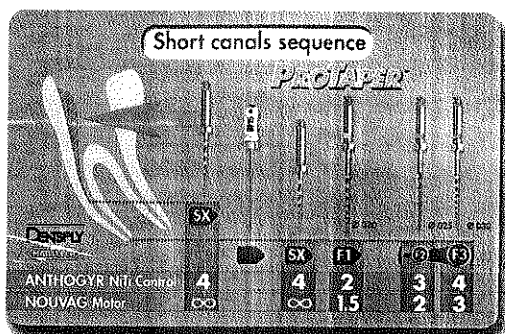


## Use

Shaping and cleaning the whole root canal system according to the Crown-Down technique. Used in continuous rotation with an electric motor or a reducing contra-angle connected directly to the unit. Steady state speed between 250 rpm to 350 rpm. Choose appropriate sequence ("normal and long canal" or "short canal") with pre-operative X-Ray. Protaper system include 3 "Shaping File" (SX, S1, S2) for initial shaping and 3 "Finishing File" (F1, F2, F3) for apical preparation.

### Step-by-step instructions

1. Create straight-line access to canal orifice.
2. Always irrigate and have a reproducible glide path with hand files.
3. Protocol of use:



### • Short canals sequence

- Use Shaping File (SX) to resistance or no more than 3/4 estimated canal length.\*
- Confirm patency and determine working length.
- Take SX to working length.
- Use Finishing File 1 (F1) and then gauge the foramen.
- Use Finishing File 2 (F2) and Finishing File 3 (F3) if foramen is larger than size 20.
- Always irrigate between each instrument.

### • Medium length and long canals sequence

- Use Shaping File (S1) to resistance or no more than 3/4 estimated canal length.
- Use SX to resistance.\*
- Confirm patency and determine working length.
- Take S1 to working length in one or more passes.
- Use S2 to working length.
- Use F1 and then gauge the foramen.
- Use F2 and F3 if foramen is larger than size 20.
- Always irrigate between each instrument.

\* Use SX in a brushing motion to move the coronal aspect of the canal away from the furcation and /or to create more shape as desired.

For internal use only

CONDENSERS / ENTENDOS / GUTTA-PERCHA

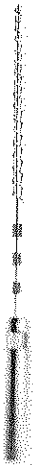
**N° ISO SIZE**

**← mm →**

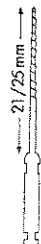
**Symbol**

**GUTTA CONDENSOR**

A 0242



<b>x4</b>	<b>025</b>	<b>030</b>	<b>035</b>	<b>040</b>
<b>045</b>	<b>050</b>	<b>055</b>	<b>060</b>	
<b>070</b>	<b>080</b>			



8000 min<sup>3</sup>

**ASSORTMENT**

A 0244

<b>x2</b>	<b>ISO 010-080</b>
<b>x1</b>	<b>ISO 025-030</b>
<b>x1</b>	<b>ISO 035-040</b>
<b>x1</b>	<b>ISO 045-050</b>
<b>x1</b>	<b>ISO 055-060</b>
<b>x1</b>	<b>ISO 065-070</b>
<b>x1</b>	<b>ISO 075-080</b>

8000 min<sup>3</sup>

+ 1x A 0186

PLUGGERS / PLUGGERS

**SPREADER A**

A 0198



4x: Ø ISO 025 - 030 - 040 - 050 - 060  
Assort. 1x: Ø ISO 030 - 040 - 050 - 060

**PLUGGER B**

A 0199



4x: Ø ISO 030 - 040 - 050 - 060  
Assort. 1x: Ø ISO 030 - 040 - 050 - 060

**GUTTA-PERCHA PLUGGER**

A 2805



<b>x2</b>	<b>3/1</b>	<b>3/1-3/2</b>
-----------	------------	----------------

**HEAT-CARRIER PLUGGER**

A 2895



<b>x4</b>	<b>1/1</b>	<b>2/3</b>	<b>2/4</b>
<b>x1</b>	<b>1/1-2/4</b>	<b>2/3</b>	<b>2/4</b>

**PLUGGER**

A 2895



<b>x1</b>	<b>1/2</b>	<b>3/4</b>
-----------	------------	------------

Treatment - Traitement - Behandlung - Tratamiento - Trattamento

PLAQUERS / FILES

N2.9

N°	ISO	SIZE	Symbol
x6	006	008 010 015 020	18/21/25 mm
x2	003 010 015	18 mm	
x2	003 010 015	21 mm	
x2	003 010 015	25 mm	

A 1012X

C+FILES

A 012X900

REFILLS

SENSEUS™

Treatment - Traitement - Behandlung - Tratamiento - Trattamento

A 1011

SENSEUS™ FLEXOREAMER®



x6	008	010	015	020
	012	030	035	040
	045	050	060	
	070	080		

x1	ISO 015-040
x1	ISO 045-080



SS1

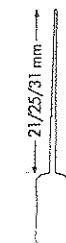
A 1012

SENSEUS™ FLEXOFILE®



x6	006	008 010 015 020 025 030 035 040 045 050 060 070 080
----	-----	---

x1	ISO 015-040
x1	ISO 045-080



SS1

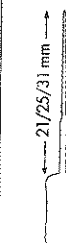
A 1016

SENSEUS™ HEDSTROM



x6	006	010 015 020 025 030 035 040 045 050 060 070 080
----	-----	---

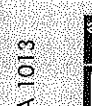
x1	ISO 015-040
x1	ISO 045-080



SS1

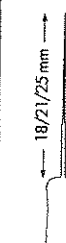
A 1013

SENSEUS™ PROFINDER™



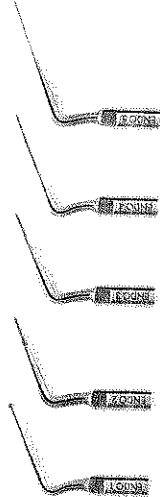
x6	010 013 017
----	-------------

x2	ISO 010-017
----	-------------



SS1

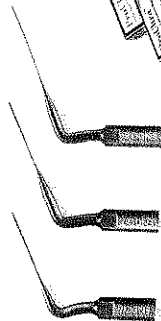




A 0630-1 A 0630-2 A 0630-3 A 0630-4 A 0630-5  
A 0620-1 A 0620-2 A 0620-3 A 0620-4 A 0620-5



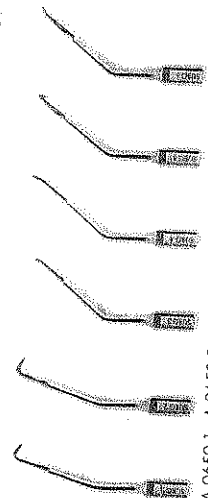
A 0630-1 to 5  
A 0620-1 to 5



A 0631-6 A 0631-7 A 0631-8  
A 0621-6 A 0621-7 A 0621-8



A 0631-6 to 8  
A 0621-6 to 8



A 0650-1 A 0650-2 A 0650-3 A 0650-4 A 0650-5 A 0650-6  
A 0640-1 A 0640-2 A 0640-3 A 0640-4 A 0640-5 A 0640-6



A 0650-1 to 6  
A 0640-1 to 6

N° ISO SIZE



Symbol

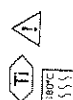
1x: Tip ENDO N° 1 - 2 - 3 - 4 - 5  
Assort. 5x Tip ENDO N° 1 - 2 - 3 - 4 - 5



1x: Tip ENDO N° 1 - 2 - 3 - 4 - 5  
Assort. 5x Tip ENDO N° 1 - 2 - 3 - 4 - 5



1x: Tip ENDO N° 6 - 7 - 8  
Assort. 3x Tip ENDO N° 6 - 7 - 8



1x: Tip ENDO N° 6 - 7 - 8  
Assort. 3x Tip ENDO N° 6 - 7 - 8



1x in Assort. Tip ENDO N° 1 to 5,  
Assort. Tip ENDO N° 6 to 8  
and Assort. Tip SURG N° 1 to 6



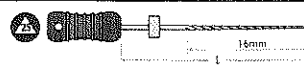
1x: Tip SURG N° 1 - 2 - 3 - 4 - 5 - 6  
Assort. 6x Tip SURG N° 1 - 2 - 3 - 4 - 5 - 6



1x: Tip SURG N° 1 - 2 - 3 - 4 - 5 - 6  
Assort. 6x Tip SURG N° 1 - 2 - 3 - 4 - 5 - 6



### REAMERS

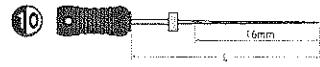


Lengths(L) : 18,21,25,28,31mm  
Packed : 6 in a package  
Size : 06~140  
Assorted : 15~40  
45~80  
90~140

Rubber Stopper  
21%  $\square$  25%  $\square$   
28%  $\square$  31%  $\square$

18mm Reamers : #15~#40 Only (●)  
Medium Reamers : 12,17,22,27,32,37 (21,25mm)

### D FINDERS

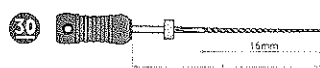


Lengths(L) : 21,25mm  
Packed : 6 in a package  
Size : 08,10,12,15

Rubber Stopper  
21%  $\square$  25%  $\square$

Cross Section ●

### RT FILES



Lengths(L) : 21,25,28,31mm  
Packed : 6 in a package  
Size : 15~80  
Assorted : 15~40  
45~80

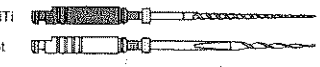
Rubber Stopper  
21%  $\square$  25%  $\square$   
28%  $\square$  31%  $\square$

Side Ratio : #15~#25 (1:2), #30~#80 (1:3)

Cross Section  $\square$

### NRT FILES

NEW



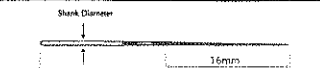
Lengths(L) : 21,25mm  
Packed : 6 in a package  
Size : 20,30,40  
Assorted : .14 .12 .10 .08 .06 .04  
Stainless steel | NITI

Rubber Stopper  
21%  $\square$  25%  $\square$

Cross Section  $\square$

Assorted : #20, #30 or #40 .14~.04 taper

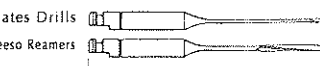
### ULTRASONIC FILES



Length(L) : 33mm  
Packed : 6 in a package  
Size : 10~50  
Assorted : 15~40

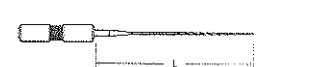
Shank Diameter : #10~#40 (0.8mm), #45 & #50 (1.0mm)

### GATES DRILLS & PEESSO REAMERS



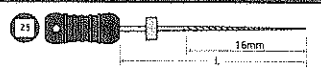
Lengths(L) : 28,32,38mm  
Packed : 6 in a package  
Size : 1,2,3,4,5,6  
Assorted : 1~6

### SHORT BARBED BROACHES



Length(L) : 21mm  
Packed : 6 in a package  
Size : 1(bxx), 2(bxx), 3(xd), 4(f), 5(m), 6(c)  
Assorted : 2(bxx)~4(f)

### K-FILES




Lengths(L) : 18,21,25,28,31mm  
Packed : 6 in a package  
Size : 06~140  
Assorted : 15~40  
45~80  
90~140

Rubber Stopper  
21%  $\square$  25%  $\square$   
28%  $\square$  31%  $\square$

18mm K-Files : #15~#40 Only (●)  
Medium K-Files : 12,17,22,27,32,37 (21,25mm)

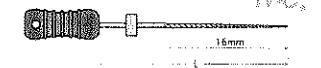
### APICAL REAMERS



Length(L) : 25mm  
Packed : 6 in a package  
Size : 20,30,40,50,60,70  
Assorted : 20~70

Rubber Stopper  
25%  $\square$

### FLEXILE FILES



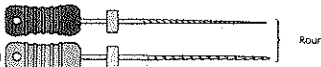
Lengths(L) : 21,25mm  
Packed : 6 in a package  
Size : 15~40  
Assorted : 15~40

Rubber Stopper  
21%  $\square$  25%  $\square$

Medium Flexile Files : 12,17,22,27,32,37 (21,25mm)

Cross Section  $\triangle$

### SEC O-FILES



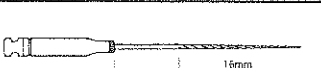
Lengths(L) : 21,25mm  
Packed : 6 in a package  
Size : \*08,10~80  
Assorted : 15~40  
45~80

Rubber Stopper  
21%  $\square$  25%  $\square$

\*Type K Only


Rounded Tip

### ENGINE H-FILES




Lengths(L) : 21,25mm  
Packed : 6 in a package  
Size : 10~80  
Assorted : 15~40  
45~80

### PLUGGERS & SPREADERS



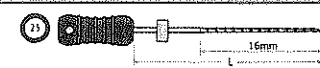
Length(L) : 21,25mm  
Packed : 6 in a package  
Size : 10~40  
Assorted : 15~40

### BARBED BROACHES



Length(L) : 52mm  
Packed : 12 in a package  
Size : 000,00,0,1,2,3  
Packing : 6 packages in a box (72pieces)

### HEDSTROEM-FILES

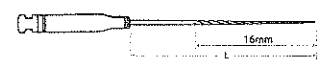


Lengths(L) : 18,21,25,28,31mm  
Packed : 6 in a package  
Size : 08~140  
Assorted : 15~40  
45~80  
90~140

Rubber Stopper  
21%  $\square$  25%  $\square$   
28%  $\square$  31%  $\square$

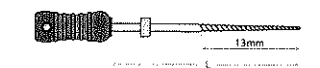
18mm H-Files : #15~#40 Only (●)  
Medium H-Files : 12,17,22,27,32,37 (21,25mm)

### ENGINE REAMERS



Lengths(L) : 18,21,25,28mm  
Packed : 6 in a package  
Size : 10~80  
Assorted : 15~40  
45~80

### FLARE FILES

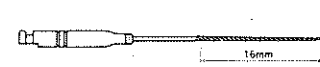


Lengths(L) : 21,25mm  
Packed : 6 in a package  
Size : 15~60  
Assorted : 15~40

Rubber Stopper  
21%  $\square$  25%  $\square$

Cross Section  $\triangle$


### SUPER FILES



Lengths(L) : 18,21,25mm  
Packed : 6 in a package  
Size : 10~60  
Assorted : 15~40


### PASTE CARRIERS

[FILLERS]




Lengths(L) : 21,25,29mm  
Packed : 4 in a package  
Size : 25~40  
Assorted : 25~40

### FLARE FINGER SPREADERS



Lengths(L) : 21,25mm  
Packed : 6 in a package  
Size : 15~40  
Assorted : 15~40  
Taper : .05

### SMOOTH BROACHES

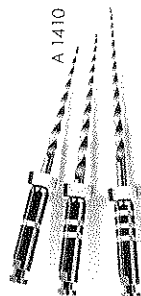
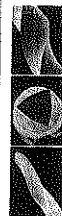


Length(L) : 52mm  
Packed : 12 in a package  
Size : 000,00,0,1,2,3  
Packing : 6 packages in a box (72pieces)

N2.13

N2.26

N2.10  
N2.11



A 1410

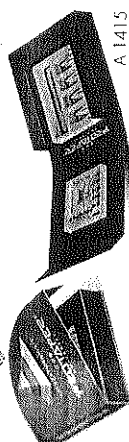
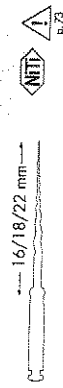
RETREATMENT - ROTARY  
PROTAPER® REFILLS

6x: D1, ISO 030, 9%, 16 mm  
6x: D2, ISO 025, 8%, 18 mm  
6x: D3, ISO 020, 7%, 22 mm

N° ISO SIZE

mm

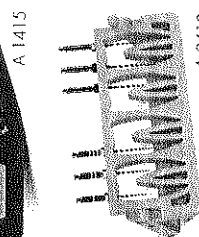
Symbol



A 1415

PROTAPER® ASSORTMENT

2x D1 - 2x D2 - 2x D3



A 0413

PROTAPER® STARTER KIT

2x D1 - 2x D2 - 2x D3 + sequencer



A 1008

X-SMART™ & PROTAPER® INTRO CASE  
110 & 230V

A 1004 X-SMART™ [unit + one 16:1 contra angle],  
A 1006 X-SMART™ Contra angle 16:1,  
A 0415 Protaper® Treatment Starter Kit,  
A 1415 Protaper® Retreatment Starter Kit,  
A 0418 Protaper® For Hand Use Assortment 25 mm,  
A 012X C+Files Assortment 25 mm,  
4x Training Bloc, Video



A 022W

OBTURATION  
PAPER POINTS

F1: A 022WF1 - F2: A 022WF2 - F3: A 022WF3  
Assortments: A 022WF1-F3 - A 022WF4-F5

N2.15



29 mm



A 022X

GUTTA-PERCHA-POINTS

F1: A 022XF1 - F2: A 022XF2 - F3: A 022XF3  
Assortments: A 022XF1-F3 - A 022XF4-F5

N2.14



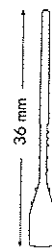
29 mm



A 1411

OBTURATORS

F1: A 1411F1 - F2: A 1411F2 - F3: A 1411F3  
F4: A 1411F4 - F5: A 1411F5



36 mm

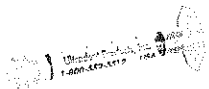


### Skini Syringe

- Generates pressure in the syringe with low force to the plunger, resulting in more precise apical delivery
- Low waste
- Content: 0,5 ml

Designed for: EndoREZ and PermaFlo DC.

1680	20pk
1681	50pk



### 1,2 ml Syringe

- Snug Luer Lock threads prevent tips from popping off

Designed for: all 30 ml IndiSpense syringes.

124	20pk
157	100pk



### ViscoStat™ Empty Syringe

- Snug Luer Lock threads prevent tips from popping off
- Colored plastic is light sensitive to preserve chemistry

Designed for: 30 ml IndiSpense syringes of ViscoStat, ViscoStat Clear.

1278	20pk
------	------



### Ultra-Etch™ Empty Syringe

- Snug Luer Lock threads prevent tips from popping off
- Blue color makes identification easy

Designed for: 30 ml IndiSpense syringes of Ultra-Etch.

129	20pk
-----	------

W.C. 16



### 5 ml Syringe

- Syringe barrel flanges positioned for optimum control/leverage

Designed for: irrigants for in-office or dentist-supervised procedures, as well as Citric Acid and Ultradent EDTA 18% Solution.

201	10pk
-----	------



### Ultradent® Syringe Cover

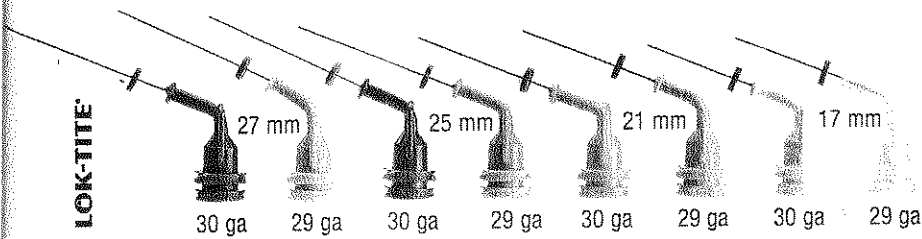
- Provides an easy, reliable barrier
- Ensures asepsis of syringe during cleanup

Designed for: all 1,2 ml syringes.

249	300pk
-----	-------

N2 17.

## NaviTip®



- Provide controlled delivery to the apex
- Flexible, stainless steel cannulae easily navigate curved canals

29 ga designed for delivery of paste materials, e.g., UltraCal XS and EndoREZ.

30 ga designed for delivery of solutions and gels, e.g., File-Eze, EDTA 18%, Citric Acid 20%, Ultra-Etch, and sodium hypochlorite.

20pks	29 ga	30 ga
17 mm - White	5112	1249
21 mm - Yellow	5113	1349
25 mm - Blue	5114	125
27 mm - Green	5115	135
Assorted	5116	1351

50pks	29 ga	30 ga
17 mm - White	1378	1421
21 mm - Yellow	1374	1422
25 mm - Blue	1376	1423
27 mm - Green	1377	1424
Assorted	1379	3319

## NaviTip® Sideport

- Double sideports deliver irrigants safely, minimizing the possibility of chemicals being expressed past the apex
- The world's smallest cannula navigates the most intricate canal spaces
- 27 mm length
- 31 ga (Ø 0,28 mm)

Designed for: Ultradent EDTA 18% Solution and Citric Acid 20% Solution

5123	20pk
5124	50pk

## NaviTip® Sideport

- Double sideports deliver irrigants safely, minimizing the possibility of chemicals being expressed past the apex
- The world's smallest cannula navigates the most intricate canal spaces
- 21 mm length
- 31 ga (Ø 0,28 mm)

Designed for: Ultradent EDTA 18% Solution and Citric Acid 20% Solution

5121	20pk
5122	50pk

## NaviTip® FX®

- One-of-a-kind brush cleans, scrubs, and irrigates simultaneously
- Rigid 30 ga (0,30 mm) cannula
- 17 mm length

Designed for: Ultradent Citric Acid 20% Solution.

1452	20pk
------	------

## NaviTip® FX®

- One-of-a-kind brush cleans, scrubs, and irrigates simultaneously
- Rigid 30 ga (0,30 mm) cannula
- 25 mm length

Designed for: Ultradent Citric Acid 20% Solution.

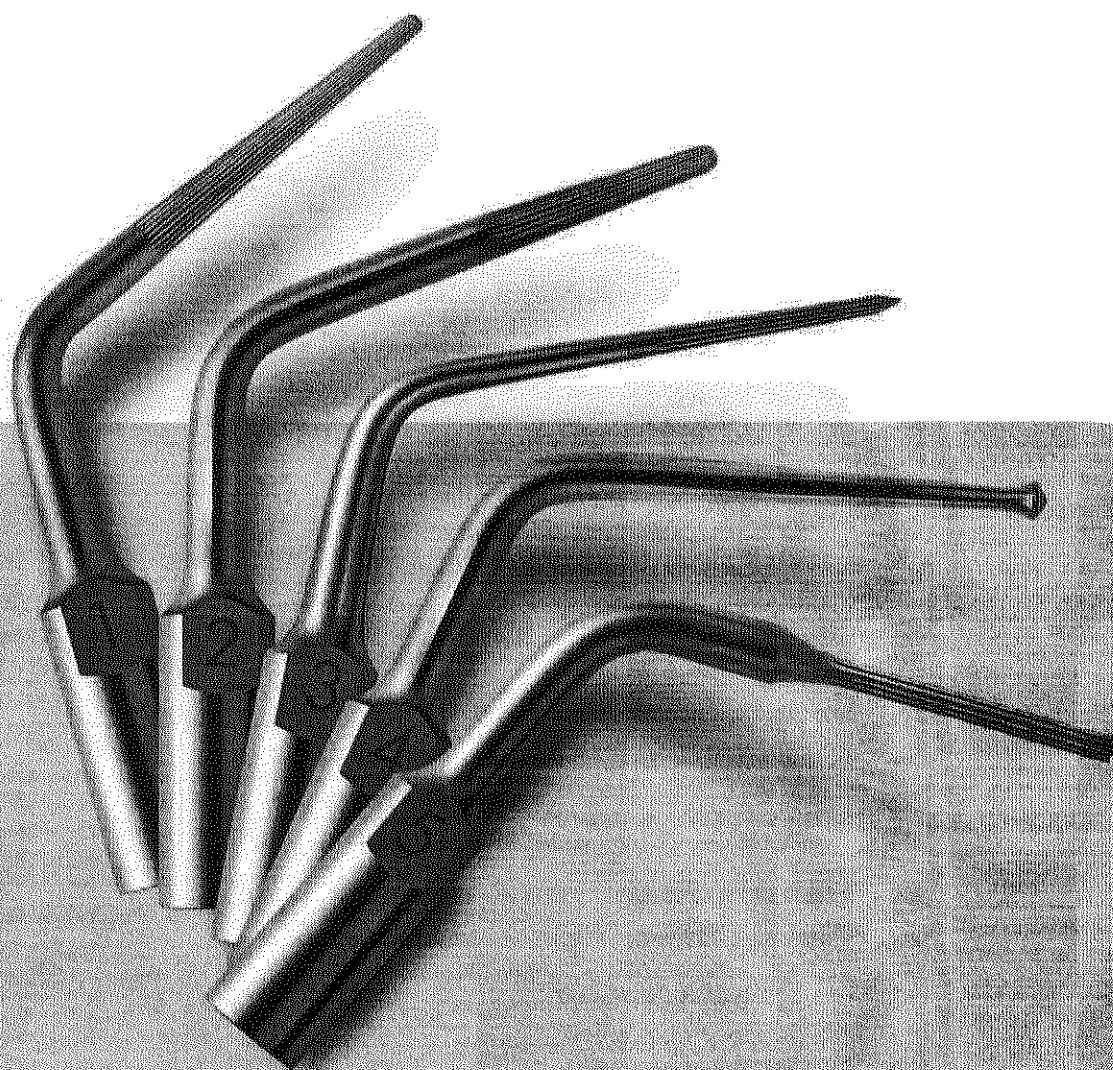
1454	20pk
------	------



N<sub>2</sub> 18

# START-X™

ACHIEVE HIGHER CONTROL AND PRECISION WITH  
ULTRASONIC INSERTS SPECIFICALLY DESIGNED FOR ACCESS  
CAVITY REFINEMENT AND CANAL ORIFICE LOCATION



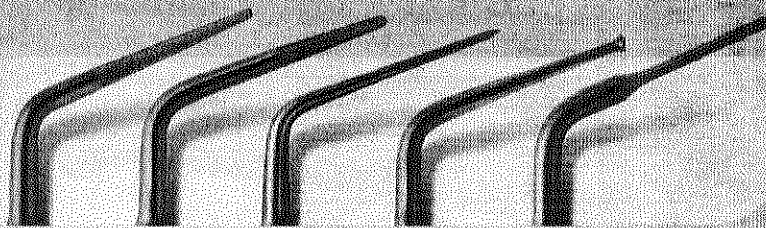
**DENTSPLY**  
**MAILLEFER**

**A well prepared access cavity and location of canal openings** are recognized as key factors to the **success of endodontic treatments**

The use of ultrasonic inserts is advised for these applications thanks to two main characteristics:

- A great working precision
- An incomparable view of the operative field

DENTSPLY Maillefer has therefore developed, together with Dr Berutti, Dr Cantatore and Dr Castellucci, a range of ultrasonic tips based on a simple concept **ONE TIP - ONE CLINICAL INDICATION**



Each tip has been designed for a specific indication and has the following main characteristics:

#### **MICRO MILLED ACTIVE PART**

- Minimized risk of potential diamond grit loss in the patient's mouth

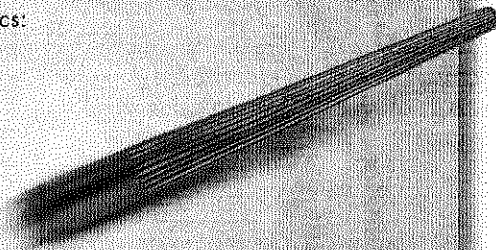
#### **WATER PORT**

- Cools down the insert and avoids overheating of the treated tooth. This is particularly important when removing metal posts which usually require high energy
- The intermittent use of irrigation enables the clinician to alternate between dry precision work and debris evacuation

#### **EXCELLENT RESISTANCE TO FRACTURE**

*"According to my clinical experience, the START-X™ tips are one of the most fracture resistant ultrasonic inserts I have used."*

*Professor Elio Berutti*

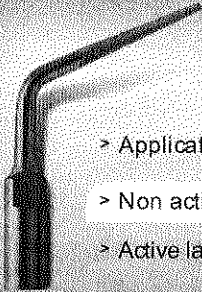


\* Individual clinical results may vary



## ONE TIP – ONE CLINICAL INDICATION

1

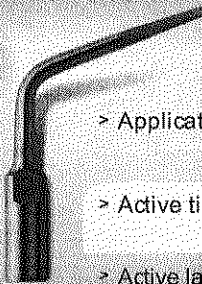


START-X™ #1

- > Application ▣ Access cavity wall refinement
- > Non active tip ▣ Avoids accidentally damaging the pulp chamber floor
- > Active lateral part ▣ Creates a straight access to the canal



2

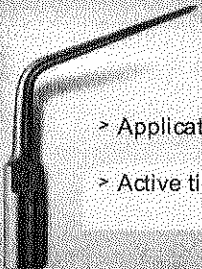


START-X™ #2

- > Application ▣ MB2 canal scouter  
(2<sup>nd</sup> canal mesio buccal root)
- > Active tip ▣ Removes the dentine that often conceals the MB2 access in upper molars
- > Active lateral part ▣ Creates a straight access to the canal

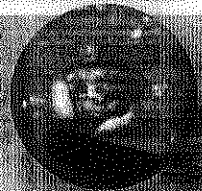


3

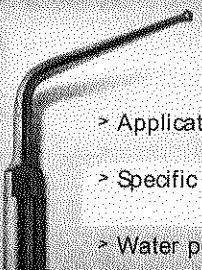


START-X™ #3

- > Application ▣ Canal openings scouter
- > Active tip ▣ Removes the obstructions that prevent a straight access to the canal



4

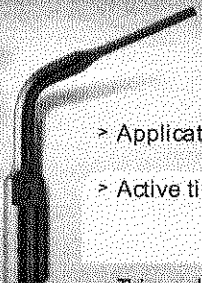


START-X™ #4

- > Application ▣ Metal post removal
- > Specific design ▣ Suitable for working efficiently both on the top and the sides of the metal post
- > Water port ▣ Avoids over heating



5



START-X™ #5

- > Application ▣ Reveals the original pulp chamber floor anatomy
- > Active tip ▣ Canal orifice location made easier thanks to the removal of calcifications and filling materials that hide the original pulp chamber floor anatomy
- > Thin and cylindrical tip ▣ Good visibility



## POWER SETTINGS

In general, within the recommended guidelines, start with a lower power setting and only increase the power if necessary to safely accomplish the procedural task

SATELEC P5 NEWTRON			EMS MINIPIEZON		
	Min	Max	Min	Max	
	←	→	←	→	
START-X™ ①	16	18	8	9	
START-X™ ②	16	18	8	9	
START-X™ ③	10	18	4	7	
START-X™ ④	18	20	9	10	
START-X™ ⑤	7	18	3	8	

Power settings for other ultrasonic units are available on DENTSPLY Maillefer website [www.dentsplymaillefer.com](http://www.dentsplymaillefer.com)

- The power setting is adjusted depending on the specific clinical application
- The inserts have been designed to be exclusively used with a Piezo ultrasonic generator
- Technical specification/ thread: EMS type M3 x 0.5mm  
Satelec type M3 x 0.6mm

## REFERENCES

M3x0.6mm SATELEC type	M3x0.5mm EMS type	START-X™ 1	START-X™ 2	START-X™ 3	START-X™ 4	START-X™ 5	X box
A 0660-1	A 0661-1	•					1x
A 0660-2	A 0661-2		•				1x
A 0660-3	A 0661-3			•			1x
A 0660-4	A 0661-4				•		1x
A 0660-5	A 0661-5					•	1x
A 0660-900	A 0661-900	•	•	•	•	•	5x

Available on Dentsply Maillefer website [www.dentsplymaillefer.com](http://www.dentsplymaillefer.com)  
a video from Dr Berutti, Dr Cantatore and Dr Castellucci, illustrating the use of each START-X™ insert

**1) Vartojimo indikacijos****Klinikinis taikymas**

- n° 1 ertmės sienų valymas
  - n° 2 MB2 kanalų tyrimas
  - n° 3 kliūčių naikinimas prie kanalo angos
  - n° 4 metalinių kaiščių išėmimas
  - n° 5 originalios pulpos ertmės dugno anatomijos nustatymas (kalcifikacija, senų užpildymo medžiagų pašalinimas)
- Šie instrumentai turi būti naudojami tik gydymo įstaigose, tik kvalifikuotų specialistų.

**2) Kontraindikacijos**

Nėra žinoma, kai naudojama kaip rekomenduojama. Vis dėlto rekomenduojama nenaudoti šių ultragarso instrumentų pacientams, kurie turi širdies stimulatorius.

**3) Įspėjimai**

Prašome vadovautis ultragarsinio generatoriaus gamintojo naudojimo instrukcija. Svarbu atkreipti dėmesį, kad skirtingi veikimo galios nustatymai turi būti pritaikomi prie įvairių klinikinių atvejų ir aplinkybių.

**4) Atsargumo priemonės**

- Nejunkite generatorius su pažeistais ultragarso instrumentais
- Patogesniai darbai ir saugumui rekomenduojama naudoti pagalbines atsargumo priemones.
- Drėkinimas rekomenduojamas, kai atliekamos procedūros (pavyzdžiui, metalinių kaiščių išjudinimas - Tip #4) kurios reikalauja aukštesnės energijos, kad būtų išvengta instrumento ir danties perkaitimo.
- Prieš naudojimą antgaliukas raktu turi būti pritvirtintas prie ultragarsinio generatoriaus antgalio. Naudotojas turėtų atkreipti dėmesį į per didelį ar per silpną instrumento suveržimą.

**5) Nepageidaujami reiškiniai**

Iki šiol jokių neigiamų reakcijų nenustatyta.

**6) Detali instrukcija**

Ultragarsinio generatoriaus galios nustatymas

	Satelec/P5 Newton		EMS miniPiezon	
	min	max	min	max
N 1	16	18	8	9
N 2	16	18	8	9
N 3	10	18	4	7
N 4	18	20	9	10
N 5	7	18	3	8

Kitiems ultragarsiniams įrenginiams galios nustatymus galite rasti Dentsply Maillefer svetainėje.

Apskritai, siekiant maksimaliai padidinti klinikinį efektyvumą ir saugumą, bei sumažinti instrumento lūžimo galimybę, reikėtų pradėti darbą mažesne galia ir tik iki reikiamos ją padidinti užbaigiant darbą. Visi antgaliukai turėtų būti naudojami minimaliai spaudžiant, lengvais braukiamaisiais judesiais.

**7) Dezinfekcija, valymas ir sterilizacija**

Instrumentų ir implantuojamų prietaisų apdirbimo procedūra

**Pratarmė**

Higienos ir sanitarijos saugos tikslais, visi instrumentai, nepažymėti ženklų "sterilus", turi būti valomi, dezinfekuojami ir sterilizuojami prieš kiekvieną naudojimą, kad būtų išvengta bet kokių užteršimų. Tai taikoma tiek pirmam panaudojimui, tiek vėlesniems.

**Taikymo sritis****A1. Instrumentai**

Pjovimo instrumentai (rankiniai ar varikliu varomi):

- Endodontiniai (failai, plėstuvai, reamer'iai, didintuvai, endodontiniai borai, ultragarso įdėklai);
- Motoriniai pjovimo instrumentai (deimantiniai borai, volframo karbido borai, nerūdijančio plieno grąžtai, anglinio plieno borai).

Šaknies kanalo užpildymo instrumentai

Papildymai, rinkiniai ir instrumentų tvarkyklės

Rankiniai instrumentai ir laikikliai

**A2. Implantuojami įtaisai**

Dental ir Radicular kaiščiai pagaminti iš plieno, titano ir stiklo pluošto.

Laikikliai, rinkiniai ir tvarkymo sistemos.

**A3. Kampiniai antgaliai**

**B. Užpildymo medžiagos:** tik cheminė dezinfekcija (jokios sterilizacijos) Gutaperča, Therafil

**Išimties**

- Įrangos, motorų, apex lokatorių ir kitų įtaisų, apdirbimo procedūros įtrauktos į individualias naudojimo instrukcijas.
- MTA, Glyde, TopSeal.

**Bendrosios rekomendacijos**

- Naudokite dezinfekavimo tirpalus kurių veiksmingumas patvirtintas (VAH/DGHM-sąrašai, CE ženklavimas, patvirtinti FDA) ir pagamintų autorizuotų gamintojų. Visiems metalo instrumentams rekomenduojama naudoti antikoroazines dezinfekavimo ir valymo priemones.
  - Dėl savo saugumo, prašome dėvėti asmenines apsaugos priemones (pirštines, akinius, kaukes).
  - Naudotojas yra atsakingas už gaminio sterilumą pirmojo ir kiekvieno vėlesnio ciklo naudojimo metu, taip pat už sugadintų ar nešvarių instrumentų naudojimą atvejais, kai būtinas sterilumas.
  - Apdorojimo apribojimai:
- Individualus instrumento ženklavimas nurodo ar prietaiso tarnavimo laikas gali sumažėti dėl apdirbimo ciklų skaičiaus. Be to, defektų atsiradimas, pvz. įtrūkimų, deformacijos, korozijos, kodavimo ar žymėjimo spalvų dingimas, parodo, kad šie įrenginiai negali vykdyti savo funkcijų pagal reikalaujamą saugumo lygį.
- Vienkartinio naudojimo instrumentai negali būti pakartotinai naudojami.
  - Vandens kokybė turi atitikti vietos taisykles, ypač paskutinio skalavimo metu arba naudojant plovimo mašiną.
  - Volframo karbido borai, plastikinės atramos, rankiniai ir NiTi instrumentai pažeidžiami vandenilio peroksido (H<sub>2</sub>O<sub>2</sub>) tirpalu.
  - NiTi instrumentai pažeidžiami jei daugiau nei 5 minutes laikomi didesnio nei 5% skystumo NaOCl tirpale.
  - Instrumentai iš aliuminio pažeidžiami natrio šarmo tirpalo su gyvsidabrio druska. Nenaudokite rūgšties (pH <6) arba šarminių (pH > 8) tirpalų.
  - Plovimo mašina nerekomenduojama instrumentams iš aliuminio, volframo karbido ir anglies plieno.



# **Detali procedūra**

A. Įrenginiai				A3. Kampiniai antgaliai				
				A2. Implantuojami įtaisai				
				A1. Instrumentai				
				Tolimesnis naudojimas				
				Pirmasis naudojimas				
Operacija				Veiksmas				
1.				Išrinkimas				
				-išrinkite įrenginį jei būtina				
				nuimkite silikonines detales				
				1. laikykite gamintojo duota koncentracijos ir laiko instrukcija (per didelė koncentracija gali sukelti koroziją ar kitus defektus); 2. dezinfekavimo tirpalas turi būti be aldehido (kad išvengtume nešvarumų fiksacijos) ir be di- ar trietanolaminų kaip korozijos inhibitorių; 3. nenaudoti tirpalų su fenoliu ar kitų produktų, kurie nesuderinami su instrumentu (žr. bendras rekomendacijas); 4. likusius nešvarumus rekomenduojama nuvalyti minkšta medžiaga rankinių būdu.				
				1. vandens kokybė turi atitikti vietos taisykles; 2. jei pre-dezinfekcijos tirpale yra korozijos inhibitorių, rekomenduojama nuskalauti instrumentą prieš pat valymą.				
				1. išmeskite instrumentus su akivaizdžiais defektais (sulaužytas, sulenktas); 2. vengti kontakto tarp instrumentų ar kaiščių; 3. laikykite gamintojo pateiktą koncentracijos instrukciją; 4. naudokite tik EN ISO 15883 patvirtintus dezinfektantus, prižiūrėkite ir reguliariai kalibruokite mašiną.				
4a. Automatinis valymas mašinoje				-įdėkite įrenginį į indą taip, kad instrumentai ar kaiščiai nesiliestų - įdėkite viską į plovimo mašiną (A0 vertė >3000 arba 5min. 90C)				
ARBA								
				-įdėkite įrenginį į indą taip, kad instrumentai ar kaiščiai nesiliestų - pamerkite į dezinfekavimo tirpalą turintį valymo savybių, aktyvuotą ultragarsinio įrenginio				
				1. neturėtų likti jokių matomų nešvarumų; 2. išmeskite instrumentus su akivaizdžiais defektais (sulaužytas, sulenktas); 3. laikykite gamintojo duota koncentracijos ir laiko instrukciją; 4. dezinfekavimo tirpalas turi būti be aldehido ir be di- ar trietanolaminų kaip korozijos inhibitorių.				
				1. vandens kokybė turi atitikti vietos taisykles; 2. jei pre-dezinfekcijos tirpale yra korozijos inhibitorių, rekomenduojama nuskalauti instrumentą prieš pat autoklavavimą; 3. džiovinti ant vienkartinio lygaus audinio arba su džiovintuvu ar filtruotu suspaustu oru.				
				1. nešvarūs instrumentai turi būti pakartotinai išplauti ir dezinfekuoti; 2. išmesti deformuotus (sulenktas, susuktas), sugadintus (sulaužytas, korozijos paveiktas), pažeistus (nusiėrynusios žymėjimo spalvos) instrumentus, kas gali įtakoti saugų ar teisingą jų naudojimą; 3. prieš pakavimą apsaugoti anglinio plieno borus korozijos inhibitoriumi; 4. prieš pakavimą sutepti kampinius antgalius tinkamu tepalu.				
				-įdėkite įrenginį į indą taip, kad instrumentai ar kaiščiai nesiliestų ir jį patalpinkite sterilizavimo maiše				
				1. vengti kontakto tarp instrumentų ar kaiščių; 2. patikrinkite sterilizavimo maišelio galiojimo laiką; 3. naudokite maišelius kurie atsparūs 141C temperatūrai ir atitinka EN ISO 11607				
				1. instrumentai, kaiščiai ir plastikiniai laikikliai dezinfekuojami kaip nurodyta ženkliniame; 2. naudoti autoklavus kurie atitinka EN 13060, EN 285 reikalavimus; 3. naudoti patvirtintas sterilizavimo procedūras pagal ISO17665; 4. laikytis autoklavo eksploatavimo procedūros kaip nurodo gamintojas; 5. vadovautis tik šia sterilizavimo procedūra; 6. kontroliuoti efektyvumą (pakuotės vientisumas, jokios drėgmės, spalvos ar sterilizacijos rodiklių pasikeitimas, fizinė ar cheminė įtaka, skaitmeniniai ciklų parametrų įrašai); 7. procedūrų įrašų atsekamumas.				
				-garinė sterilizacija: 134C 18min.				
				1. sterilumas negali būti užtikrintas, jei pakuotė atidaryta, pažeista ar šlapia; 2. patikrinkite pakavimą ir prietaisus prieš juos naudojant (pakuotės vientisumą, drėgnumą ir galiojimo laiką).				
				-laikykite įrenginius sterilizavimo pakuotėje sausoje ir švarioje aplinkoje				
B. Užpildymo medžiagos								
				-pamerkite įrenginį į šiltą NaOCl (bent 2,5%) tirpalą 5min.				
				1. dezinfekcija				
				nenaudokite tirpalų, kurių sudėtyje yra fenolio ar kitų medžiagų nesuderinamų su įrenginiu ar medžiaga (žr. bendras rekomendacijas).				

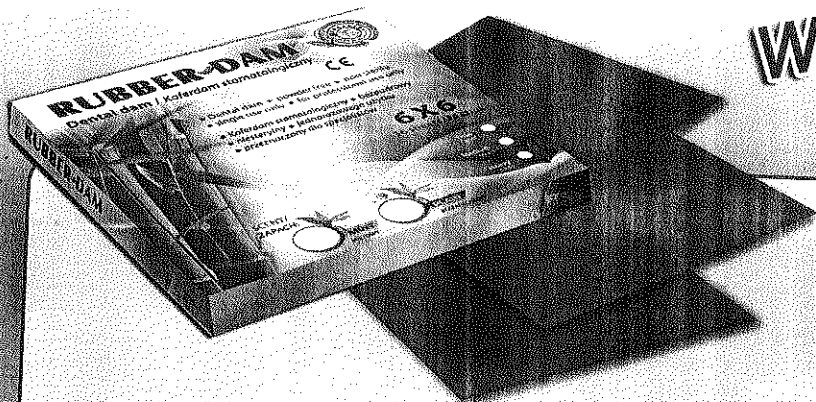
# NEW

WWW.CERKAMED.COM

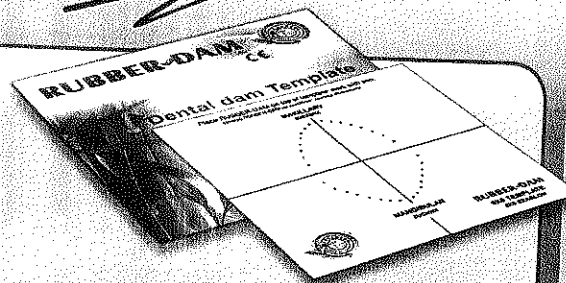


## PRODUCT LINE - RUBBER-DAM

**WORLD STANDARDS**  
*in your surgery!*



■ **RUBBER-DAM**  
DENTAL RUBBER DAM



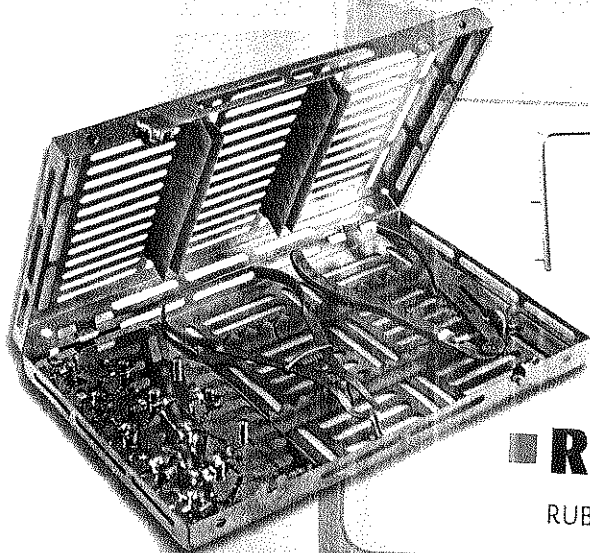
■ **RUBBER-DAM**  
RUBBER DAM TEMPLATE



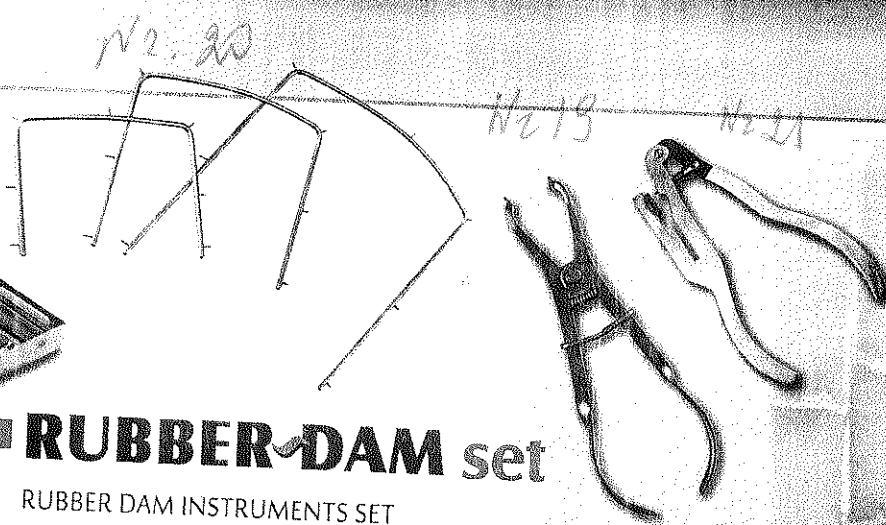
■ **RUBBER-DAM liquid**  
LIGHT-CURED RUBBER DAM LIQUID



■ **RUBBER-DAM cord**  
DENTAL DAM STABILIZING CORD



■ **RUBBER-DAM set**  
RUBBER DAM INSTRUMENTS SET



# REAMERS / FILES



A 016D

HEDSTROEM FILE COLORINOX®

N° ISO SIZE

x6 008 010 015 020  
025 030 035 040  
045 050 055 060  
070 080 090 100  
120 130 140

← mm →

21/25/31 mm

Symbol

SS P

A 0350

MICRO-OPENER

Handle - Manche - Griff - Mango - Manico

3x N°1 Ø 0.10mm .04  
3x N°2 Ø 0.15mm .04  
3x N°3 Ø 0.10mm .06

SS P

A 0353

MICRO-DEBRIDER

Handle - Manche - Griff - Mango - Manico

3x N°1 Ø 0.20mm .02  
3x N°2 Ø 0.30mm .02

SS P

A 0360

UNIFILE COLORINOX®

x6 010 015 020 025  
030 035 040 045  
050 055 060 070  
080

21/25/31 mm

SS

A 0361

UNIFILE

x6 010 015 020 025  
030 035 040 045  
050 055 060 070  
080

21/25 mm

SS

# VETERINARY INSTRUMENTS



A 011V

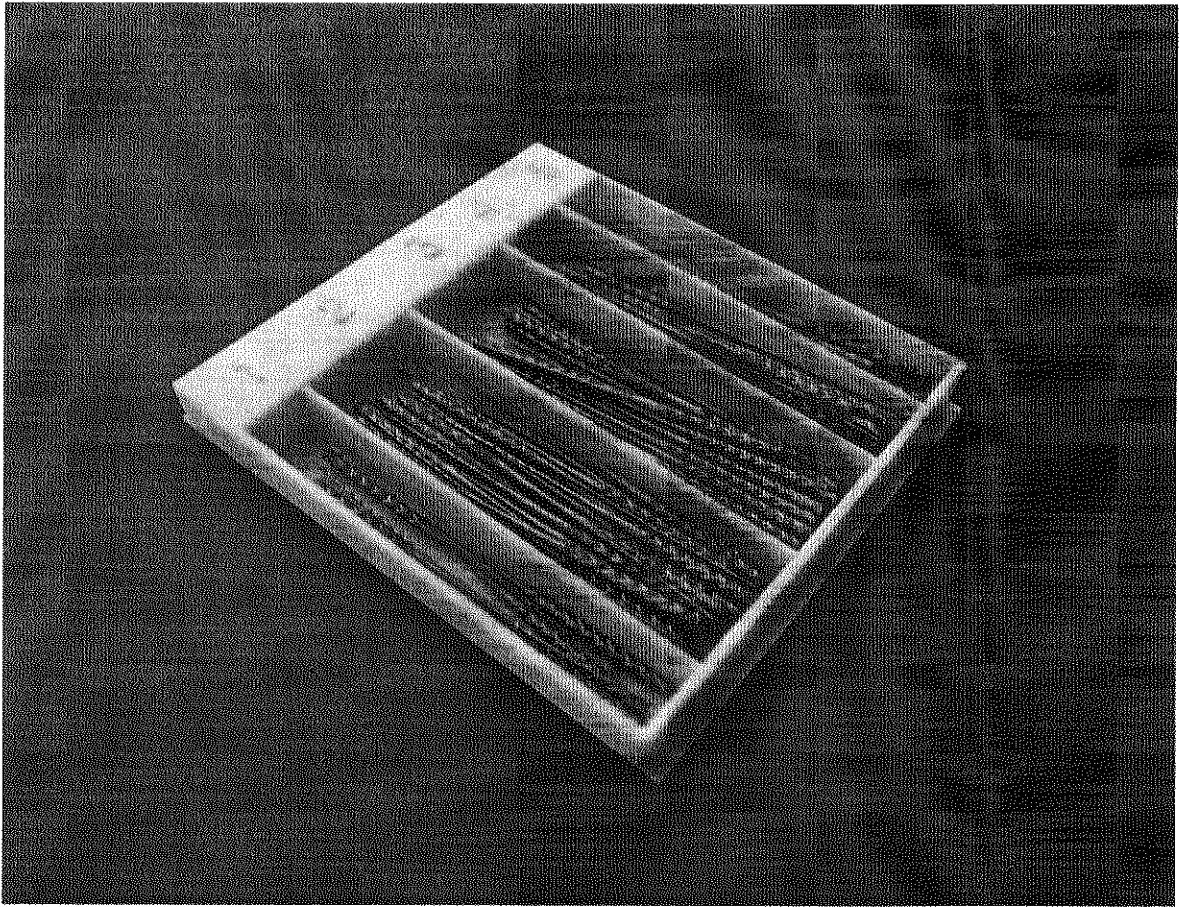
VETINOX® K-REAMER

x6 015 020 030 035 040  
045 050 055 060 070 080  
090 100 120 140

40 mm 60 mm 80 mm

SS

Nz. 23

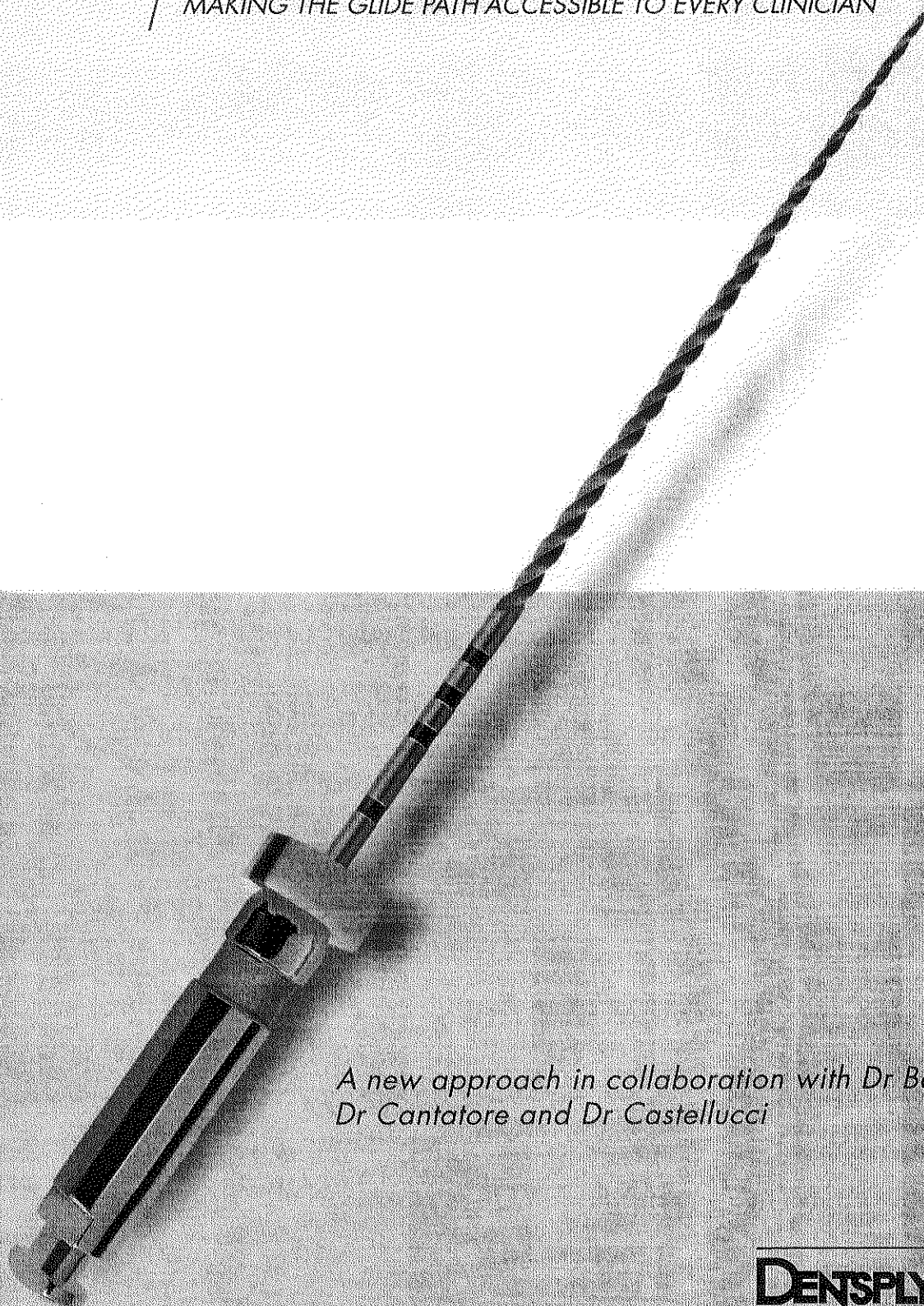




Nr. 24

# PathFile™

MAKING THE GLIDE PATH ACCESSIBLE TO EVERY CLINICIAN



*A new approach in collaboration with Dr. Berutti,  
Dr. Cantatore and Dr. Castellucci*

**DENTSPLY**  
**MAILLEFER**



### GLIDE PATH an essential step

- To fully understand and appreciate the anatomy of the canal to be treated
- To limit the risk of rotary instruments breakage

But it can be difficult to avoid the risk of canal transportation, ledges, etc. when using manual instrumentation.

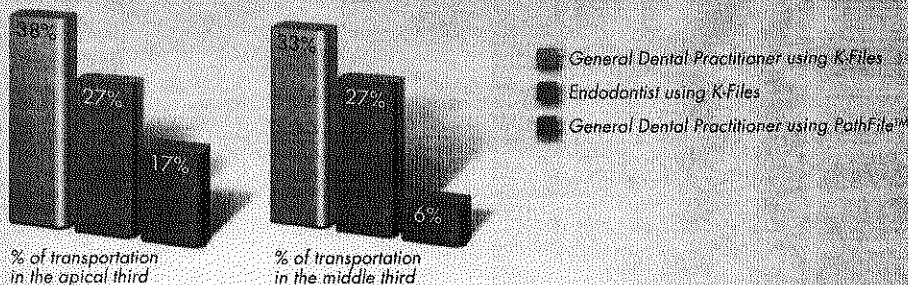
### PATHFILE™, A NICKEL-TITANIUM ROTARY SOLUTION

Flexible and resistant to cyclic fatigue, these new files offer many advantages compared to manual solutions.

“The use of PathFile™ can enable the clinician to obtain a **better quality Glide Path** in comparison with traditional hand files, irrespective of the user expertise. **Now general dental practitioners can achieve similar results to those achieved by specialists in endodontics!**”\*

Professor Elio Berutti

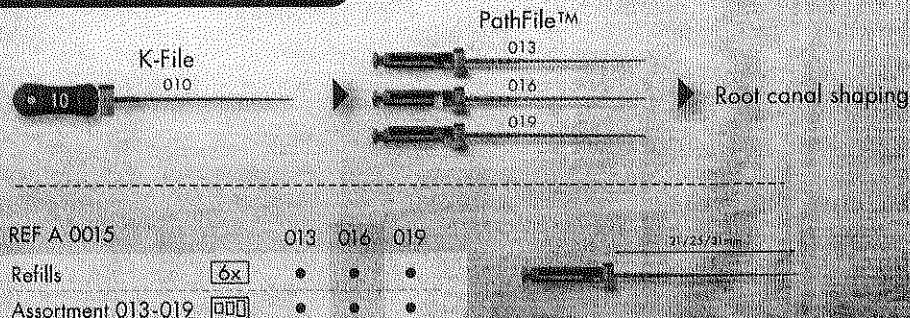
### THE ORIGINAL CANAL ANATOMY IS BETTER PRESERVED



The general dental practitioner, using PathFile™, can get better results than a specialist in endodontics using manual K-Files.

- No apical foramen transport when the working length is too long
- No ledges when the working length is too short

### THE RECOMMENDED SEQUENCE



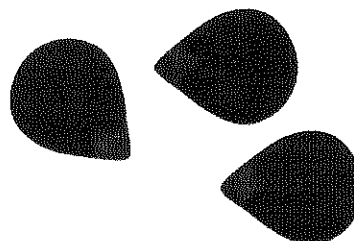
\*These results are from a preliminary study from Pr Berutti (University of Torino – Italy).



## SILIconE LocAt or St oP S

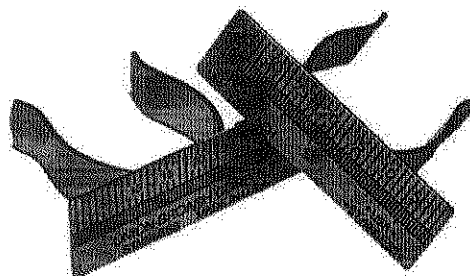
- Aides in establishing the canal depth and the working measurement of each file.
- Sterilizable at temperatures up to 450 degrees Fahrenheit.
- Clearly-defined shape permits alignment of stop with curve in instruments when instrumenting curved canals.
- Easily slides on instruments.
- Box of 100

Part Number	Description
017-25504	Red
017-25505	Gray



## FIn GER & t Hu MB r u LER S

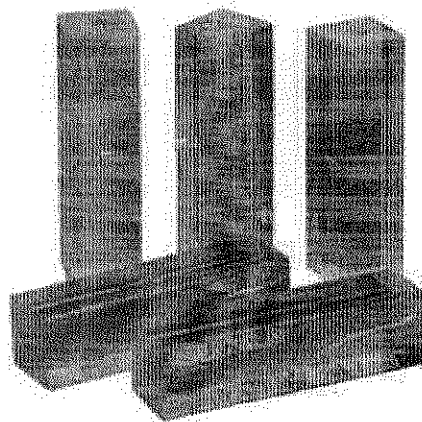
	Finger Rule	Thumb Rule
Left	013-25711	013-25713
Right	013-25710	013-25712



## End o B L o c k S

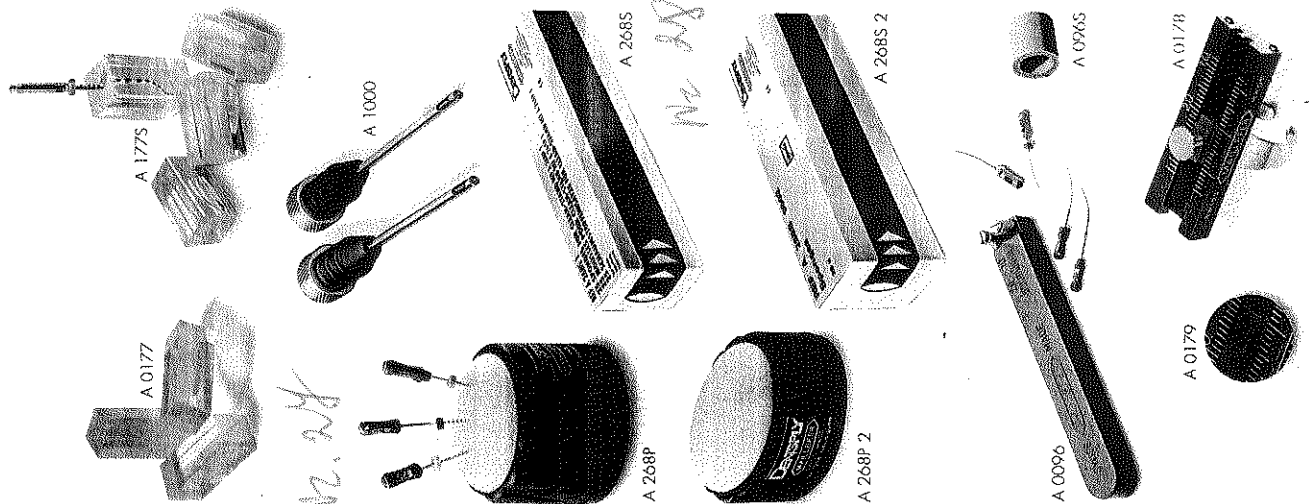
- Plastic Endo Blocks are designed to simulate a root canal.
- They are ideal for product demonstrations and practice with different files.
- Box of 5.

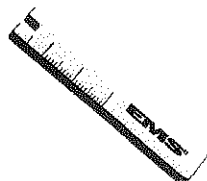
017-37101	Straight Endo Blocks
017-37100	Curved Endo Blocks



# ENDO ACCESSORIES / KITS

A	N°	ISO	SIZE	Symbol	mm
A 0177	8x	Ø 0.15 - 0.35	taper 02	P	
A 177S	12x	Ø 0.15 - 0.35	taper 02		
A 1000	2x	008	Ø int. 0.8 mm / Ø ext. 0.8 mm	SST	
	2x	010	Ø int. 0.8 mm / Ø ext. 1.0 mm		
	Assort.	2x	008 - 010		
A 268P	1x		CLEAN-STAND	P	
A 268S	25x		CLEAN-STAND		
			25 SPONGES FOR CLEAN-STAND		
			25 MOUSSES POUR CLEAN-STAND		
			25 SCHAUMSTOFFSATZ FÜR CLEAN-STAND		
			25 ESPONJAS PARA CLEAN-STAND		
			25 CIALDI DI SPUGNA PER CLEAN-STAND		
A 268P 2	1x		CLEAN-STAND	P	
A 268S 2	25x		CLEAN-STAND		
			25 SPONGES FOR CLEAN-STAND		
			25 MOUSSES POUR CLEAN-STAND		
			25 SCHAUMSTOFFSATZ FÜR CLEAN-STAND		
			25 ESPONJAS PARA CLEAN-STAND		
			25 CIALDI DI SPUGNA PER CLEAN-STAND		
A 0096	1x		FLEXOBEND	P	
A 096S	10x		FLEXOBEND PLASTIC ROLLERS		
			GALETS POUR FLEXOBEND		
			FLEXOBEND PLASTIKROLLEN		
			RODILLOS PARA FLEXOBEND		
			RICAMBI PER FLEXOBEND		
A 0178	1x		ENDOMETER	AI	
A 0179	1x		ENDOMETER		
			ENDOMETRO		
			ENDOMETRO		





**FLAT WRENCH**  
To change instruments for  
all three file holders

**DT-018**



**RT3 INSTRUMENT**  
Very long and fine instrument for  
the removal of broken instrument tips.  
Use with 180° file holder

**DT-062**



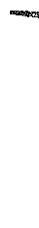
**180° FILE HOLDER**  
For use with RT3, Berutti  
and RE2 instruments

**DS-069**



**RE2 INSTRUMENT**  
Instrument for retrograde root-canal  
isthmus preparation. The surface is coated  
with titanium nitride to improve abrasion.  
Use with 120° or 180° file holders

**DT-061**



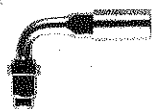
**BERUTTI INSTRUMENT**  
Diamond-tipped instrument for the  
retrograde preparation of root canals.  
A tapered design allows minimally  
invasive access and therefore fewer  
postoperative complications. Use with  
120° or 180° file holders

**DT-060**



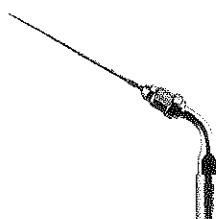
**120° FILE HOLDER**  
For the flexibility to use different  
endo files, specially suited for  
anterior and premolar areas. Also  
suitable for RE2 and Berutti  
instruments

**DS-010**



**90° FILE HOLDER**  
For the flexibility to use  
different endo files, specially  
suited for the molar area

**DS-012**



**ESI INSTRUMENT**  
Non-cutting NiTi instrument for  
the effective cleaning and irrigation  
of the root canal system

**DT-069/A**



15

20

25

30

35

**STEEL FILES/K-FILES/ENDO FILES**

K-Files for cleaning and disinfecting  
the root canal system [ > Use files in 90° or 120° file holders]

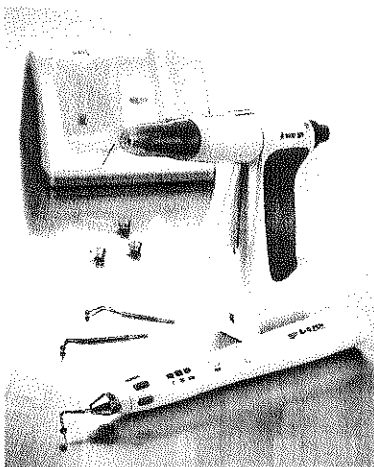
6 endo files ISO 15 (white)	DT-006
6 endo files ISO 20 (yellow)	DT-007
6 endo files ISO 25 (red)	DT-008
6 endo files ISO 30 (blue)	DT-009
6 endo files ISO 35 (green)	DT-010

1 set endo files ISO  
15/20/25/30/35 mm, 6 pcs each

**DT-011**

# E&Qwireless™

## Gutta Percha Cordless Obturation System



- Developed the first in the world, Gutta Percha Cordless Obturation System maximizes the convenience and minimizes the chair time. A combined filling method of vertical compaction and backfill makes 3-dimensional perfect obturation not only apical part but also accessory and lateral canal.

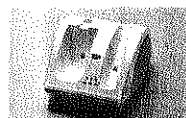
### Advantages

- Unique and efficient cordless type instrument
- Easy & Quick obturation with accurate and predictable filling
- Free from twisting of cords during operation
- Easy to move and place, also learn and master
- Space saving 2-in-1 system
- Working fine with combined & improved filling function
- Possible best hermetic sealing with 3-dimensional filling (Total obturation of the entire canal including lateral canals)
- Excellent apical control

### Specifications

1) Charger	1. Input 2. Output	100V ~ 240V DC 9V, 1.8A
2) Gun	1. Heater 2. Temperature Sensor 3. Heating Time	DC 3.6V, 8W J-Type 2 Minutes
3) Pen	1. Temperature Sensor 2. Heating Time	K Type 1 Seconds
4) Operating Time	1. Gun 2. Pen	Continuous for 1hours Continuous for 30min
5) Battery(Ni-MH type)	1. Pen  2. Gun	$\frac{2}{3}$ AA x 3EA DC 3.6V, Max 4.5V $\frac{4}{5}$ A x 3EA DC 3.6V, Max 4.5V

### Components



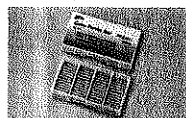
Charger



E&amp;Q Gun



E&amp;Q Pen



E&amp;Q Gutta Percha Bar



E&amp;Q Gutta Percha Points



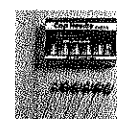
Pen Tips



Heat Insulator



Cleaning Kit



Gun Needles



Multi Tools

Nº. 30