mectron

MECTRONULTRASONIC INSERTS



OF APPLICATIONS

Scaling, perio, endo, restorative – mectron offers a wide range of applications. mectron's high-quality technique guarantees maximum treatment power and utmost security in each single unit.

This remarkable quality is the result of the successful combination of fine electronic concept and a special tips design.









----> MICROPIEZO S



---- MULTIPIEZO touch



----> MULTIPIEZO PRO



---> COMPACT PIEZO LED



----> COMPACT PIEZO P2K









A range of more than 45 inserts is available for different uses. The surface has been enhanced with titanium nitride to make it tougher than traditional ultrasound inserts.

mectron inserts are supplied in kits that allow both a proper storage and an effective sterilisation.







---> INSERT KIT

These small and handy kits are made of stainless steel (no aluminium).

The blue silicon rings perfectly hold the inserts.





8-16 INSERT KITS 8/9 kit scaling/kit scaling high efficiency 10/11 kit perio universal/kit perio anatomic 12/13 kit endo/kit endo revision 14/15 kit endo retro/kit cavity margin 16 kit restorative \$\int 18-23 SCALING INSERTS\$ 18/19 insert \$1/insert \$1-5 20/21 insert \$2/insert \$3

24/25 insert S6/ insert S7

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26 insert S8

22/23 insert S4/insert S5

27 insert P1

28/29 insert P2/insert P3

30 insert P4

31 insert P10
32/33 insert P11/insert P12
34/35 insert P13/insert P14

→ 36-37 IMPLANT CLEANING INSERTS

→ 38-41 ENDO INSERTS 38/39 insert E1/insert E1 40/41 endo files

→ 42-47 ENDO REVISION INSERTS

44/45 insert ER2/insert ER3 46/47 insert ER4/insert ER5

→ 48-56 ENDO RETRO INSERTS

48	insert R1
50/51	insert R2/insert R3
52/53	insert R4/insert R5
	insert RD3/insert RD4
56	insert RD5

→ 58-61 EXTRACTION INSERTS

59 insert ME1 60/61 insert ME2/insert ME3

→ 62-63 CROWN PREP TIPS

→ 64-67 CAVITY MARGIN INSERTS

64/65 insert CM1/insert CM2 66/67 insert CM3/insert CM4

→ 68-71 RESTORATIVE INSERTS

68/69 insert D1/insert D2 70/71 insert D3/insert D4

72-73 APPROPRIATE INSERT SETTINGS

---> 74-75 REFERENCE NUMBERS/TIP CARD



···· KIT SCALING

---> EQUIPPED WITH:

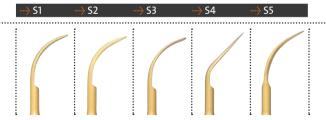
1 insert S1

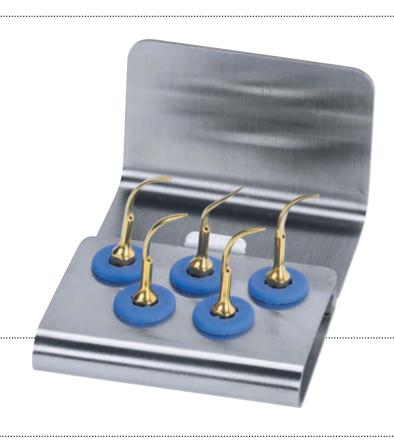
1 insert S2

1 insert S3

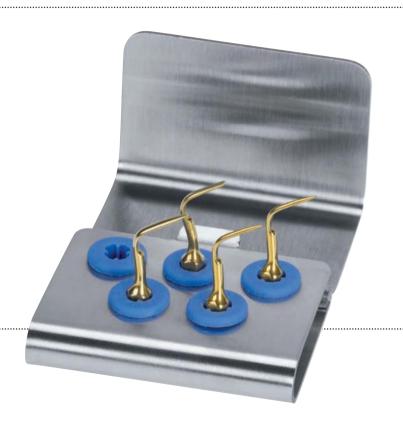
1 insert S4

1 insert S5



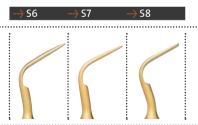


******* KIT SCALING HIGH EFFICIENCY



---> EQUIPPED WITH:

2 inserts S6 1 insert S7 1 insert S8





WEAR SAL

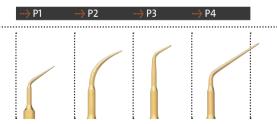
---> EQUIPPED WITH:

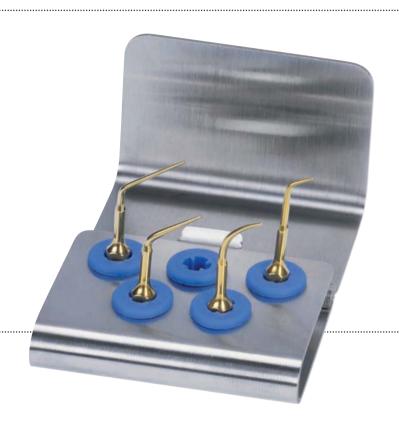
1 insert P1

1 insert P2

1 insert P3

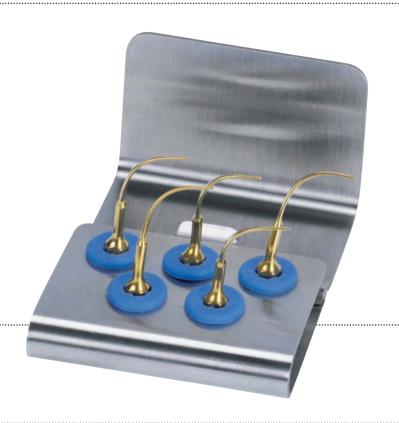
1 insert P4





NSERT KITS

******* KIT PERIO ANATOMIC



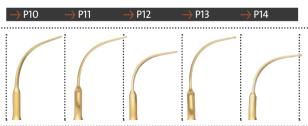
---> EQUIPPED WITH:

1 insert P10

1 insert P11

1 insert P12 1 insert P13

1 insert P14

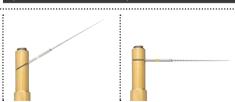




---> EOUIPPED WITH:

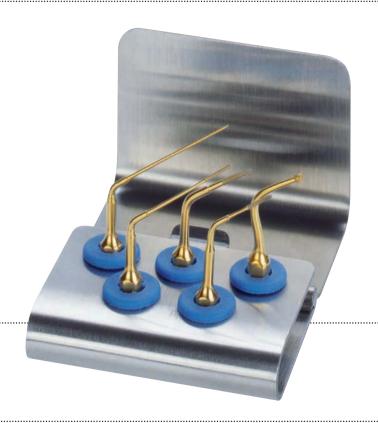
1 file holder E1 120° 1 file holder E2 90° 6 NiTi-files ISO 15, 27 mm 6 NiTi-files ISO 20, 27 mm 6 NiTi-files ISO 25, 27 mm 6 NiTi-files ISO 15, 31 mm 6 NiTi-files ISO 20, 31 mm 6 NiTi-files ISO 25, 31 mm 1 wrench K1 1 wrench for endo files





NSERT KITS

.... KIT ENDO REVISION



---> EQUIPPED WITH:

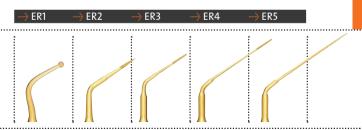
1 insert ER1

1 insert ER2

1 insert ER3

1 insert ER4

1 insert ER5





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---> EQUIPPED WITH:

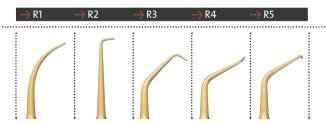
1 insert R1

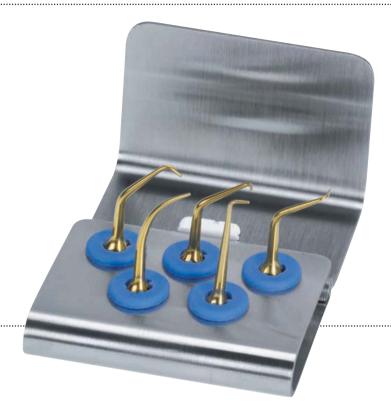
1 insert R2

1 insert R3

1 insert R4

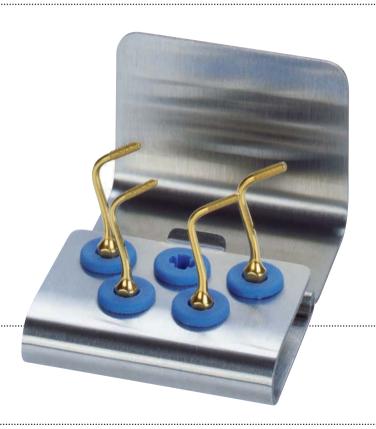
1 insert R5





NSFRT KITS

WEART CAVITY MARGIN



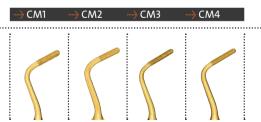
---> EQUIPPED WITH:

1 insert CM1

1 insert CM2

1 insert CM3

1 insert CM4





****** KIT RESTORATIVE**

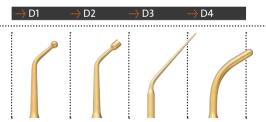
---> EQUIPPED WITH:

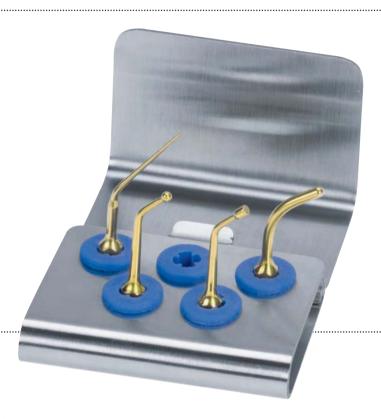
1 insert D1

1 insert D2

1 insert D3

1 insert D4

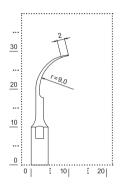






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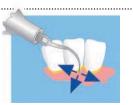
••• S1



→ IDENTIFICATION scaling

- MORPHOLOGY universal curette with semicircular diameter
- SURFACE titanium nitride coat
- TREATMENT for considerable tartar removal







•••• S1-S



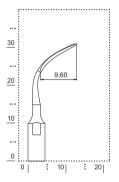
→ IDENTIFICATION perio/scaling

MORPHOLOGY long universal curette with triangled slightly curved surface

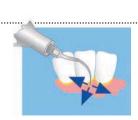
SURFACE titanium nitride coat

---> TREATMENT

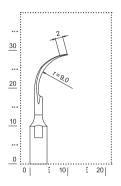
for supragingival tartar removal and subgingival concrements and biofilm elimination





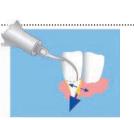


---<u>}</u> S2



→ IDENTIFICATION scaling

- MORPHOLOGY universal curette with triangled, slightly curved surface
- SURFACE titanium nitride coat
- TREATMENT efficient in the interdental spaces and posterior surfaces



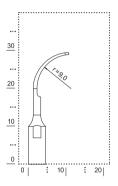






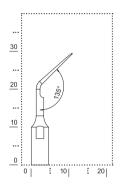


- → IDENTIFICATION scaling
- → MORPHOLOGY flat, with rounded edges
- SURFACE titanium nitride coat
- TREATMENT for considerable supragingival tartar removal



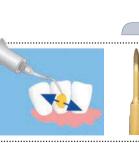






--> IDENTIFICATION scaling

- --- MORPHOLOGY universal curette with 45° angled, triangled and slightly curved surface
- ---> SURFACE titanium nitride coat
- ---> TREATMENT for tartar removal on mesial and distal interdental surfaces in the posterior area





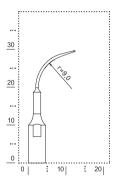




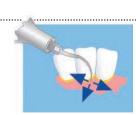


IDENTIFICATION scaling

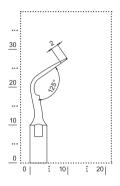
- → MORPHOLOGY similar shape to S1 insert but longer and thinner
- → SURFACE titanium nitride coat
- TREATMENT for gentle supra- and subgingival tartar removal and for gingivitis











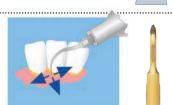
→ IDENTIFICATION scaling

MORPHOLOGY contra-angled universal curette with semicircular diameter

→ SURFACE titanium nitride coat

TREATMENT
powerful insert (twice the power of S1 insert)
for considerable tartar removal

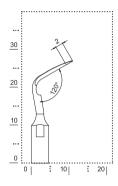




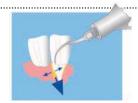


→ IDENTIFICATION scaling

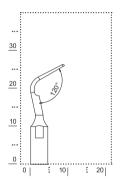
- MORPHOLOGY contra-angled universal curette with triangled, slightly curved surface
- → SURFACE titanium nitride coat
- TREATMENT
 powerful insert (twice the power of
 \$2 insert) efficient in the interdental
 spaces and posterior surfaces







...→ 58



→ IDENTIFICATION scaling

- MORPHOLOGY contra-angled, flat working surface with round edges
- SURFACE titanium nitride coat
- TREATMENT
 powerful insert (twice the power of S3 insert)
 for considerable supragingival tartar removal

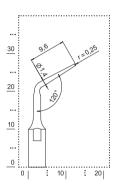








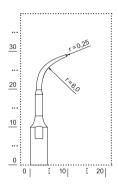
- → MORPHOLOGY long, straight working tip with a circular surface
- SURFACE titanium nitride coat
- TREATMENT for concrements and biofilm removal from root surfaces











- → MORPHOLOGY curved working tip with a circular surface
- SURFACE titanium nitride coat
- TREATMENT for concrements and biofilm removal from root surfaces



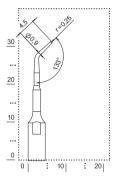








- MORPHOLOGY straight long shaft, short working tip with a circular surface
- SURFACE titanium nitride coat
- TREATMENT for concrements and biofilm removal in furcations

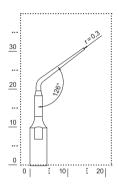








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→ IDENTIFICATION perio

MORPHOLOGY extra long, straight working tip with a circular surface

SURFACE titanium nitride coat

TREATMENT for concrements and biofilm removal from root surfaces



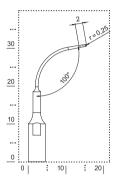








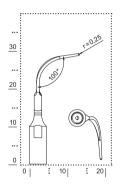
- → MORPHOLOGY extra long, curved working tip with a circular surface
- SURFACE titanium nitride coat
- TREATMENT for concrements and biofilm removal from root surfaces











- → MORPHOLOGY right (inclination of 15°) curved insert with round tip
- SURFACE titanium nitride coat
- TREATMENT for gentle subgingival concrements removal







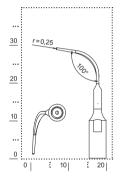




→ MORPHOLOGY left (inclination of 15°) curved insert with round tip

SURFACE titanium nitride coat

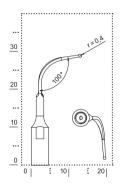
TREATMENT for gentle subgingival concrements removal











→ MORPHOLOGY right (inclination of 15°) curved insert with spherical (Ø = 0.8 mm) round tip

SURFACE titanium nitride coat

→ TREATMENT

for concrements and biofilm removal in furcations and concavities







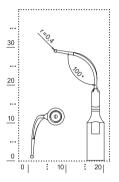


→ MORPHOLOGY left (inclination of 15°) curved insert with spherical (Ø = 0.8 mm) round tip

SURFACE titanium nitride coat

---> TREATMENT

for concrements and biofilm removal in furcations and concavities





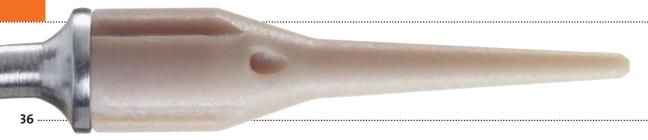






INSERT FOR IMPLANT CLEANING – MAXIMAL TREATMENT EFFICIENCY WITH THE HIGHEST PATIENT COMFORT

- → tip IC1 100% PEEK (high tech plastics) for maximum respect of the implant surface
- -> slim form of tipholder ICS allows optimal access and perfect view even in posterior regions
- ->> tipholder ICS and tip IC1 are both sterilisable and reusable



----> IMPLANT CLEANING SET S

The set consists of a tipholder ICS and 5 tips IC1



--- IDENTIFICATION perio

---> MORPHOLOGY

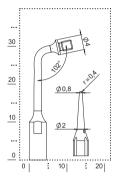
102° angled tipholder with conical PEEK tip (working length 10 mm, Ø apical 0,8 mm, Ø coronal 2 mm)

---> SURFACE

medical grade stainless steel for tipholder ICS and 100% PEEK for IC1

--> TREATMENT

efficient and soft cleaning of implants and restorations

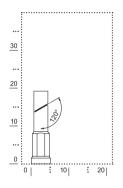




implant cleaning tip IC1 can be easily tightened without special tools and is fully autoclavable



•••} E1

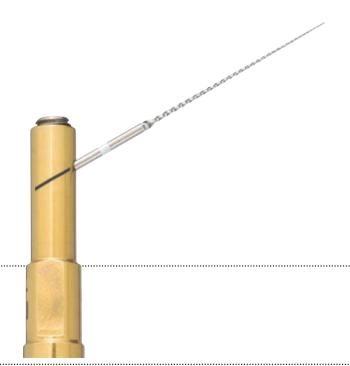


→ IDENTIFICATION endo

- MORPHOLOGY endo files holder 120°
- SURFACE titanium nitride coat
- TREATMENT front teeth and premolars treatment



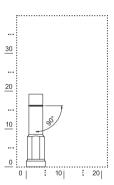








- --> IDENTIFICATION
- MORPHOLOGY endo files holder 90°
- → SURFACE titanium nitride coat
- TREATMENT molars treatment

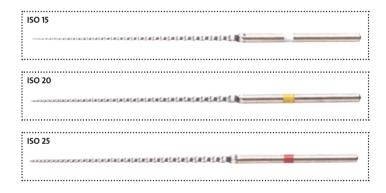








----> NITI-FILES FOR ULTRASONIC UNITS



--- 27 MM LENGTH

ISO 15	
ISO 20	
ISO 25	
	-

mectron endo files allow a fast root canal preparation for the consequent tridimensional filling treatment.

The liquid irrigation activated by the ultrasonic system arises a double effect: The root canal disinfection allowed by a bactericidal action combined to the file vibrational temperature increase and the drags removal generated by an acoustic streaming outcome.

---- 31 MM LENGTH



---- ENDO REVISION WITH ER INSERTS

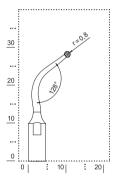
Exposure and removal of root pins, fast and effective removal of calcification in the coronal third of the root, removal of fractured root inserts – the new ER inserts cover the complete spectrum of endodontic revision treatment.







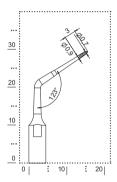
- ---> IDENTIFICATION endo revision
- → MORPHOLOGY angled shaft with small, spherical (Ø 1.7 mm) and D30 diamond coated tip
- → SURFACE titanium nitride coat
- TREATMENT exposure of root canal pins







----- ER2



\rightarrow IDENTIFICATION

endo revision

→ MORPHOLOGY angled insert with 0.7 mm Ø, working length up to 10 mm, the last 5 mm D30 diamond coated

→ SURFACE titanium nitride coat

---> TREATMENT

location of concealed or calcified root canal entrances, removal of restoration materials, calcification and fractured inserts in the coronal third of the root canal









→ IDENTIFICATION

endo revision

---> MORPHOLOGY

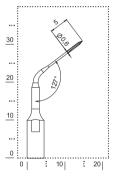
angled insert with 0.6 mm Ø, working length up to 10 mm, the last 5 mm D30 diamond coated

→ SURFACE

titanium nitride coat

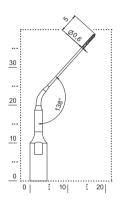
---> TREATMENT

presentation of calcified root canals entrances, removal of root elements and fractured inserts in the coronal third of the root canal









---> IDENTIFICATION endo revision

→ MORPHOLOGY

angled insert with 0.6 mm Ø, working length up to 20 mm, the last 5 mm D30 diamond coated

→ SURFACE titanium nitride coat

---> TREATMENT

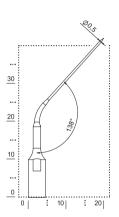
presentation of calcified root canals entrances, removal of root elements and fractured inserts in the coronal third of the root canal







- → MORPHOLOGY angled insert with 0.5 mm Ø, working length up to 24 mm
- SURFACE titanium nitride coat
- TREATMENT removal of fractured inserts in the medial and apical third of the root canal







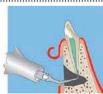


Endo retro inserts assure a satisfying solution to the root canal access issue. Their thin and 90° angled structure allows a conservative cut through a minimum wide bone window.

These advantages facilitate wound healing and spare the patient useless pain.



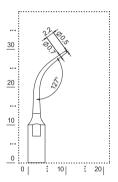






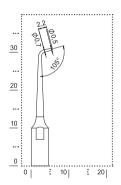


- --> IDENTIFICATION endo retro
- → MORPHOLOGY curved insert with a conical round working tip
- SURFACE titanium nitride coat
- TREATMENT for cleaning the root canal









→ MORPHOLOGY long, straight insert with 90° angled working tip

→ SURFACE titanium nitride coat

TREATMENT for cleaning the root canal in the front



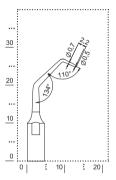






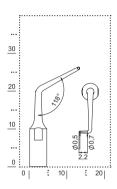


- --> IDENTIFICATION endo retro
- → MORPHOLOGY angled shaft, with 90° angled working tip
- SURFACE titanium nitride coat
- TREATMENT for cleaning the root canal in the front









- → MORPHOLOGY angled shaft, with 90° right angled working tip
- → SURFACE titanium nitride coat
- TREATMENT for cleaning the root canal in the molar area

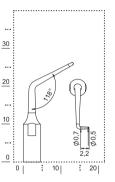






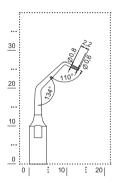


- --> IDENTIFICATION endo retro
- → MORPHOLOGY angled shaft, with 90° left angled working tip
- SURFACE titanium nitride coat
- TREATMENT for cleaning the root canal in the molar area









MORPHOLOGY angled shaft, with 90° angled working tip and fine diamond coating (D30)

SURFACE titanium nitride coat

TREATMENT for cleaning the root canal in the front

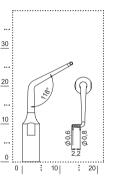






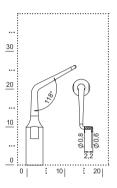


- → MORPHOLOGY angled shaft, with 90° right angled working tip and fine diamond coating (D30)
- SURFACE titanium nitride coat
- TREATMENT for cleaning the root canal in the molar area





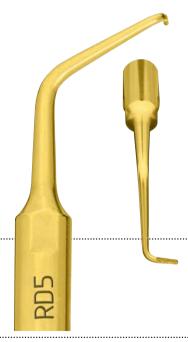




→ MORPHOLOGY angled shaft, with 90° left angled working tip and fine diamond coating (D30)

SURFACE titanium nitride coat

TREATMENT for cleaning the root canal in the molar area







EXCLUSIVE FOR UNITS WITH PULSE MODE

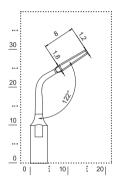
Even if the primary objective of dentistry is the preservation of natural teeth, sometimes extractions cannot be avoided. In these cases, maximum safety is the most important thing during treatment.

The specially shaped inserts ME1, ME2 and ME3 – with a blade thickness of only 0.35 mm – perfectly fulfill the anatomical demands of non surgical extractions. They offer maximum intra-operative sensitivity, allowing a great preservation of alveolar bone and periodontal tissues. Furthermore, the physiological solution guarantees maximum visibility thanks to the cavitation effect which leads to a temporary hemostasis of blood vessels.





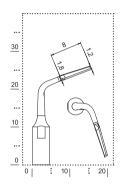
- --> IDENTIFICATION extractions
- → MORPHOLOGY double-edged blade with a thickness of only 0.35 mm
- SURFACE titanium nitride coat
- TREATMENT atraumatic teeth removal









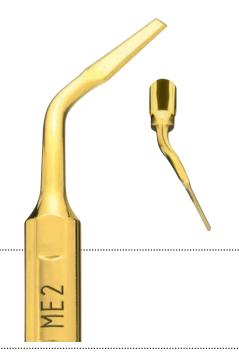


--> IDENTIFICATION extractions

MORPHOLOGY left angled, double-edged blade with a thickness of only 0.35 mm

SURFACE titanium nitride coat

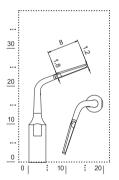
TREATMENT atraumatic teeth removal







- --> IDENTIFICATION extractions
- might angled, double-edged blade with a thickness of only 0.35 mm
- SURFACE titanium nitride coat
- TREATMENT atraumatic teeth removal







···· CROWN PREP TIPS

The crown prep tips are dedicated to the preparation and finishing of subgingival margins. Due to the particular morphology the tips could be used in contact with the margin without damaging the surrounding soft tissue. The preparation margin could be positioned subgingival with more comfort for the patient.

The special shape of the tipholder allows an optimal view on the preparation field. The tipholder brings the crown prep tips to an elliptic movement and enable therefore a circular preparation of the tooth.



TA16D120

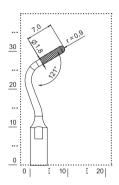
1.6 mm

TA16D90

TA16D60



---} CM1



→ IDENTIFICATION cavity margin

→ MORPHOLOGY angled shaft with torpedo shaped working tip, Ø 1.8 mm, medium diamond coating (D91)

→ SURFACE titanium nitride coat

TREATMENT preparation of the crown core and the crown margin

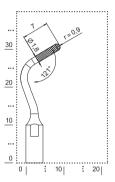






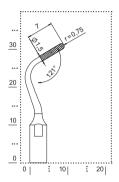


- → IDENTIFICATION cavity margin
- → MORPHOLOGY angled shaft with torpedo shaped working tip, Ø 1.8 mm, fine diamond coating (D30)
- → SURFACE titanium nitride coat
- TREATMENT fine finishing of the crown core and the crown margin









→ IDENTIFICATION cavity margin

→ MORPHOLOGY angled shaft with torpedo shaped working tip, Ø 1.5 mm, medium diamond coating (D91)

SURFACE titanium nitride coat

TREATMENT preparation of the crown core and the crown margin

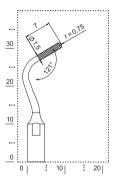






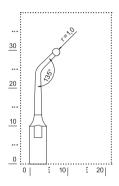


- --- IDENTIFICATION cavity margin
- → MORPHOLOGY angled shaft with torpedo shaped working tip, Ø 1.5 mm, fine diamond coating (D30)
- → SURFACE titanium nitride coat
- TREATMENT fine finishing of the crown core and the crown margin









→ IDENTIFICATION

amalgam condensation

MORPHOLOGY spherical tip

→ SURFACE

titanium nitride coat

→ TREATMENT

- for amalgam condensation in class I, II and V preparations
- for gold fillings burnishing

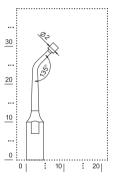








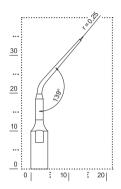
- → IDENTIFICATION amalgam condensation
- MORPHOLOGY cylindrical tip
- SURFACE titanium nitride coat
- ---> TREATMENT
- for amalgam condensation in class I, II and V preparations
- for removing of crowns and bridges





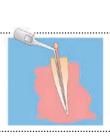






→ IDENTIFICATION endo

- → MORPHOLOGY analogous to a manual spreader
- → SURFACE titanium nitride coat
- TREATMENT for lateral condensation of guttapercha



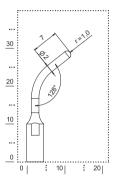




---- D4



- --> IDENTIFICATION restorative
- MORPHOLOGY rounded working tip
- → SURFACE titanium nitride coat
- TREATMENT for crowns, bridges and metal points removal









	→ MULTIPIEZO PRO → MULTIPIEZO touch → MULTIPIEZO white	→ COMBI touch	→ PIEZO SMART	→ MICROPIEZO	→ COMBI
			0000		
function	endo perio/ restorative scaler prosthetics	endo perio/scaler restorative	endo perio scaler	power	power
SCALING					
S1-S	1-2*	1-2*	1-2	1-2	1-2
S1, S2, S3, S4, S5, S6, S7, S8	4-6	4-5	6-9	4-6	3-4
PERIO					
P1, P2, P3, P4, P10, P11, P12, P13, P14	1-3	3	3-5	1-3	1-2
IMPLANT CLEANING					
ICS	1	1	1-2 3	1-3	1-2
ENDO					
E1, E2	1-6	1-5	1-2	1-2	1
ENDO REVISION					
ER1	1-6	1-5	3-5 6-9	3-6	2-4
ER2, ER3, ER4, ER5	1-3	1-3	3-5	1-3	1-2

	→ MULTIPIEZO PRO → MULTIPIEZO touch → MULTIPIEZO white	→ COMBI touch	> PIEZO SMART	→ MICROPIEZO	} СОМВІ
			0000		(0)
function	endo perio/ restorative scaler prosthetics	endo perio/scaler restorative	endo perio scaler	power	power
ENDO RETRO					
R1, R2, R3, R4, R5, RD3, RD4, RD5	1-3	1-3	3-5	1-4	1-3
CROWN PREP					
DB1	3-6	3-5	3-5	1-3	1-2
CAVITY MARGIN					
CM1, CM2, CM3, CM4	1-5	1-4	3-5 6-8	1-5	1-3
RESTORATIVE					
D1, D2, D4 D3	1-6 1-5	1-5 1-4	6-9 6-8	4-6 4-6	3-4 3-4
ME1, ME2, ME3 **	6	5			



> ITEM/REFERENCE NUMBER	
kit scaling	02160001
kit scaling high efficiency	02160005
kit perio universal	02160002
kit perio anatomic	02160006
kit endo	02980020
kit endo revision	02160008
kit endo retro	02160004
kit cavity margin	02160007
kit restorative	02160003
dynamometric wrench K6	02900074
wrench K1	02270003
insert S1-S	02960009
insert S1	02960001
insert S2	02960002
Insert S3	02960003
insert S4	02960004
insert S5	02960005
insert S6	02960006
insert S7	02960007
insert S8	02960008
insert P1	02970001
insert P2	02970002
insert P3	02970003
insert P4	02970004
insert P10	03080001
insert P11	03080002

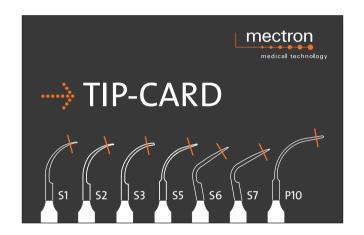
insert P12	03080003
insert P13	02000004
insert P14	02000005
implant cleaning set S*	
tipholder ICS	02570004
tip IC1 (5 pieces)	02000112
insert E1	02350001
insert E2	02350002
12 x endo file, ISO 15, 31 mm	02720001
12 x endo file, ISO 20, 31 mm	02730002
12 x endo file, ISO 25, 31 mm	02720002
12 x endo file, ISO 15, 27 mm	02740001
12 x endo file, ISO 20, 27 mm	02740002
12 x endo file, ISO 25, 27 mm	02740003
insert ER1	
insert ER2	03450002
insert ER3	03450003
insert ER4	03450004
insert ER5	03450005
insert R1	03050001
insert R2	03050002
insert R3	03050003
insert R4	03050004
insert R5	03050005
insert RD3	03050006
insert RD4	03050007

> ITEM/REFERENCE NUMBER	
insert RD5	03050008
insert ME1	03130001
insert ME2	03130002
insert ME3	03130003
crown prep set**	02160009
tipholder DB1	03570001
key AB1	03580001
dynamometric wrench K7	02900081
crown prep tip TA12D60	03590001
crown prep tip TA14D60	03590002
crown prep tip TA16D60	03590003
crown prep tip TA12D90	03590004
crown prep tip TA14D90	03590005
crown prep tip TA16D90	03590006
crown prep tip TA14D120	03590007
crown prep tip TA16D120	03590008
insert CM1	02190003
insert CM2	02190004
insert CM3	02190001
insert CM4	02190002
insert D1	02990001
insert D2	02990002
insert D3	02990003
insert D4	02990004

^{*} equipped with: ICS and 5 x IC1

^{**} equipped with: AB1, DB1 + K7

MECTRON TIP CARD





Ultrasonic inserts wear out the same as hand inserts. Regularly check your inserts by means of the erosion tip card. Whenever your inserts are shorter than the red hatched line, their performance is 50% less than the initial one. Such inserts should be quickly replaced.



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