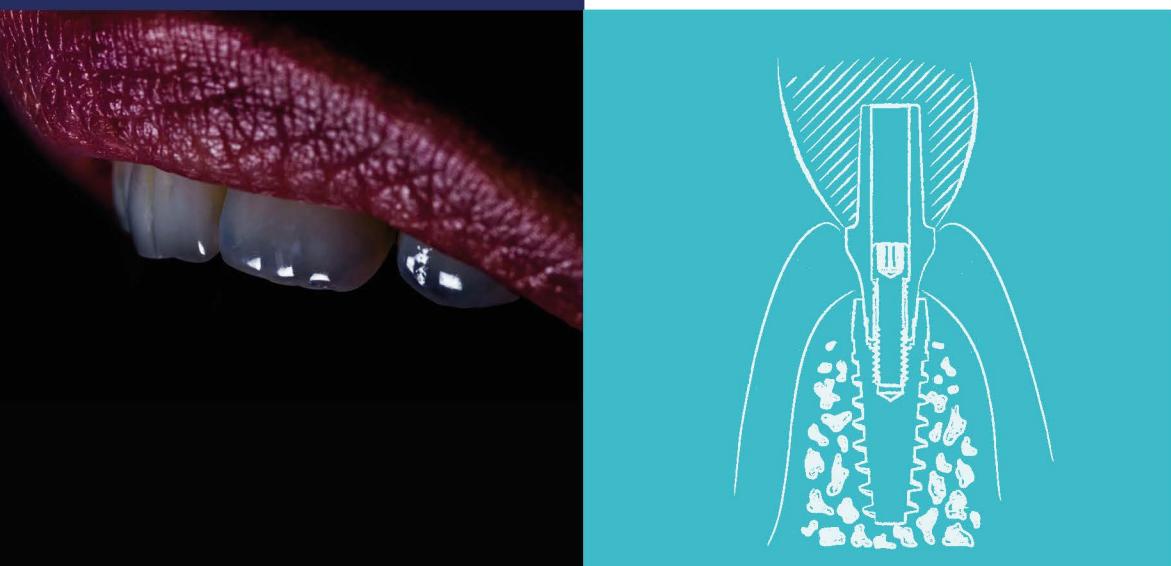
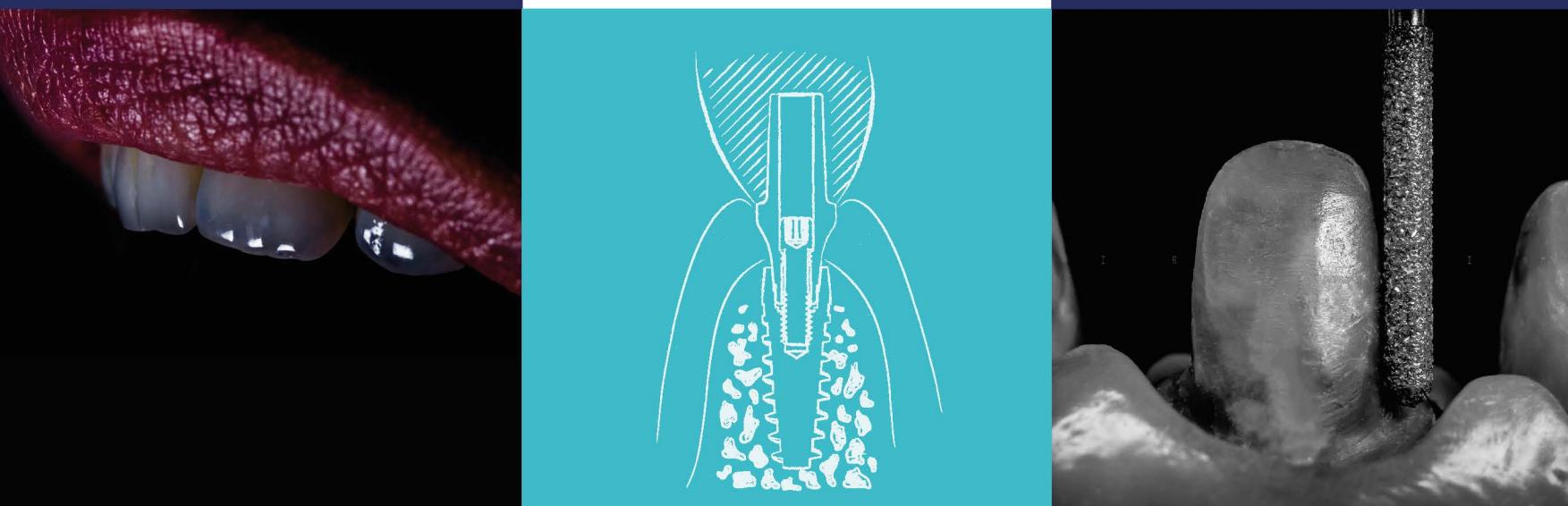


# PRODUCTS CATALOG



PRODUCTS CATALOG

+966 11 2034573 +966 11 2034571 7516 Abi Bakr As Siddiq - Al Rabie Dist. Riyadh 13316 -4294 - Kingdom of Saudi Arabia

+966 11 2034571 +966 11 2034573 7516 أبي بكر الصديق - حي الربيع - الرياض 13316 -4294 - المملكة العربية السعودية

f g t in y KafouDent www.kafoudent.com

**Sinus Lift**

**Expantion Tissue Graft**

**Surgical Suturs**

**Putty Graft Splitting**

**Dental Implants**

**Periodontics**

**Xenograft**

**Allograft**

**Membranes**  
**Flex Membranes**



**C-Silicon  
Impression  
Acrylic  
A-Silicon  
Cement  
Prosthetics**

**Trays CAD/CAM  
Buccal tubes**

**Orthodontics**

**NITI wires  
Self Ligating  
Metal Bracket  
Rubber Dam**

**Rotary Files  
Endodontics**

**H-File K-File**

**General Dentistry Instruments**  
**Dental Burs Spreader**  
**Dent Handpiece Nano**  
**Restorative Composite Bonding**

**Instruments**

**Fixation Screw  
Titanium Reinforced**

**PTFE Surgery**

**Surgical Guide**

**Bone Block**

**Surgical Motor**



Kafou Corporation was established in 1983, in Riyadh. With the rising need for power services in the governmental and private sector, the company began with electromechanical projects' setup, operation, and maintenance.

1983



Kafou Commercial Investment Co. specializes in acquisitions, shareholding, corporate setups, also the company trades in financial markets, real estate markets, private equities, hedge funds, commodities, and currencies

1998



Kafou Technical Services Co. Ltd. based in AlKhobar specializes in electro-mechanical field services, power generation and electrical distribution systems, water treatment and plants.

1999



Kafou Development Co. (KDC) was established in 2013 as a new subsidiary of Kafou Group with the specific mission of growing business within and also outside the group.

2013



Kafou Medical Co. provides various products to the Kingdom's health sector mainly in the fields of Anesthesia, Surgery and Operating Rooms. Kafou Medical is also the Kingdom's exclusive agent for several medical products brands.

2013



DRC is an authorized representative. According to SFDA Regulations, the overseas medical manufacturer must appoint a local authorized representative which acts as a communication channel between manufacturer and SFDA. It helps manufacturers in services like initial approval, new manufacturer license and update of the license request.

2017



KAFOU DENT Established in 2020 as an exclusive agent for several dental manufacturers brands. It is also a supplier of dental materials and Equipments covering most of dental field.

2020

## KAFOU GROUP MILESTONES



## ABOUT KAFOU DENT

### ABOUT US

**KAFOU DENT Co.**, a **KAFOU GROUP Company**, headquartered in Riyadh, Saudi Arabia, we are Kingdom's exclusive agent for several dental manufacturer brands and supplier of dental materials and equipment's covering most of dental lines, with more than 20 years experience staff in dental field.

Products range from Diagnosis, Preventive, Restorative, Endodontics, Orthodontics, Periodontology, Maxillofacial Surgery and Implantology.

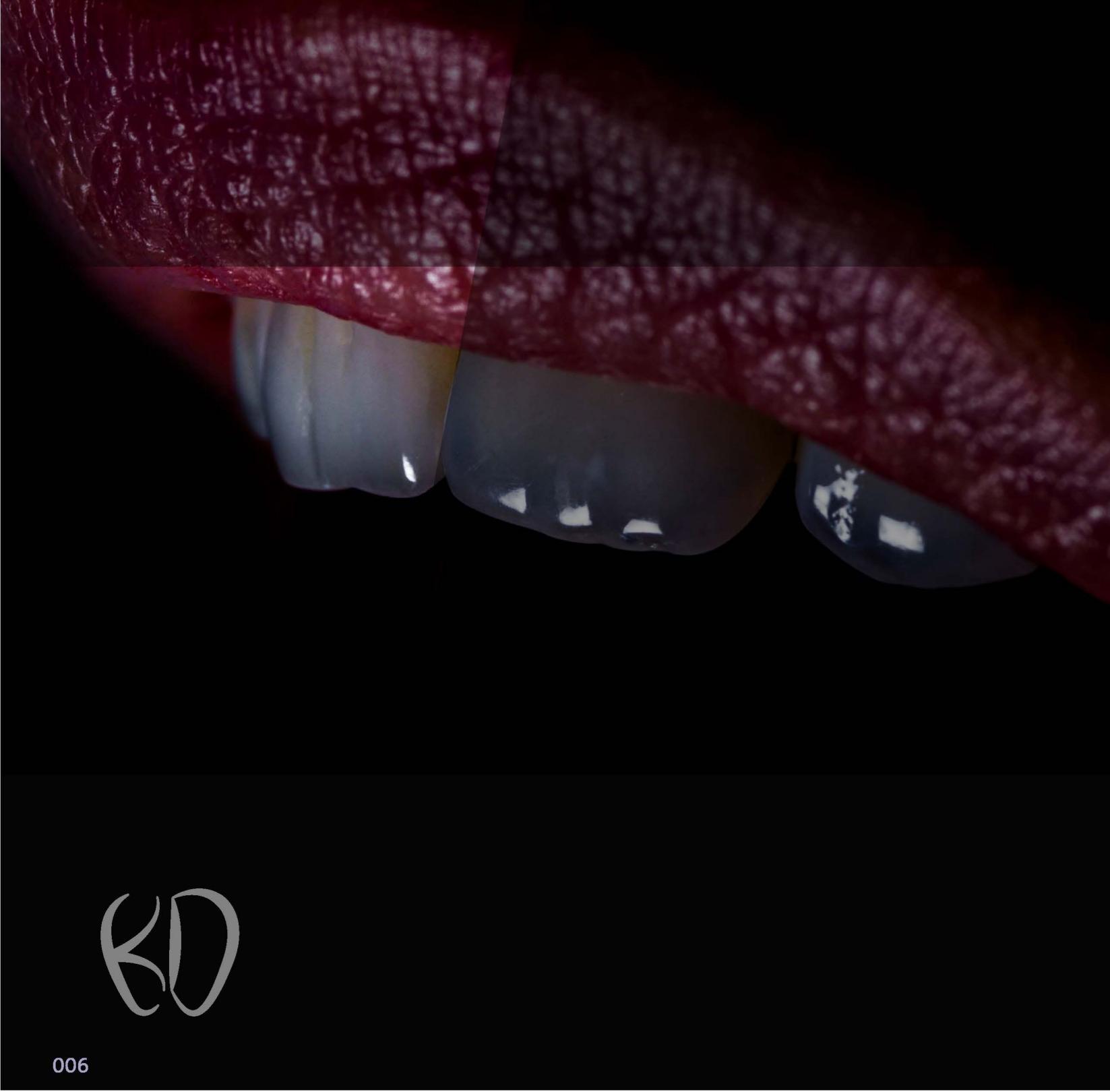
### MISSION

**KAFOU DENT Co.** strives to be the leading regional provider of Dental Products by demonstrating our commitment to marketing excellence and customer service, by delivering a wide range of specialty products and services ensuring quality care for all patients and as a reliable partner to the Dental community.

### VISION

We intend to provide our customers with the best product experience with the following key elements:

- Experienced and knowledgeable sales team
- Prompt response and fast delivery arrangement
- Great support with after sales services



# DEPARTMENTS



# OUR PARTNERS

008

Page

010



President Is the leading manufacturer of innovative consumables and small equipment for the dental profession. We want to offer by healthy growth and targeted investments, professional dental products in Germany and worldwide.



Swiss

JOTA AG has been family-owned since it was founded. High product quality, reliability and customer satisfaction have remained the overriding principles throughout the many generations and years.



172

Page

Page

044



SHOFU Inc. was established on 1922 in Japan . With more than 90 years of growth and experience in advanced manufacturing technology we have become one of the world's leading manufacturer deeply involved in the field of dentistry with a wide range of dental materials,



China

The company was founded in 2002 by three scientists in the field of metallurgy and metallurgy, for research and development work, as well as for the production of Ni-Ti-based alloys for the high-tech industry.



188

Page

Page

064



Helmut Zepf has manufactured dental instruments since 1921. This endows us with a wealth of experience acquired over generations.



USA

DTC specialized in manufacturing all types of orthodontic brackets, tubes, bands and instruments for more than 30 years. Laser welding technology and superior precision casting are our strong points.



218

Page

Page

124



G&Z Instrumente GmbH is a global manufacturer and distributor of rotating diamond, hard metal, grinding and polishing instruments for the dental, podiatry, jewelry, cosmetics and industrial sectors.



Korea

MDK has been dedicated to producing high-quality, high-cost competitiveness dental handpieces with our precision technology and state-of-the-art production facilities.



240

Page

Page

250



Osteogenics Biomedical is a leader in the development of innovative dental bone grafting products serving periodontists, oral & maxillofacial surgeons, and clinicians involved in regenerative and implant dentistry throughout the world.



USA

Surgident, since its founding in 2006, has steadily expanded the business range manufacturing dental instruments and Implant surgical kits applicable to various surgery cases and the way to purpose in dental field.



338

Page

Page

260



JDentalCare rises from the synthesis between the experience of dentists, opinion leaders in dental implantology, and the contribution of an engineering team composed by experts of implant systems design and manufacturing.



Italy

Jeil Medical Corporation has been first to succeed in the localization of screws and plates for treatment of maxillofacial fractures with unique technology development.



358

Page

Page

286



Citagenix is a premier supplier of grafting products to dental surgeons, periodontists, and implant dentists across North America and around the world.



USA

Saeyang Microtech, has continued to grow since its foundation in 1976 specialized in manufacturing micro-handpieces for laboratory and dental field with enjoying a good reputation from overseas more than 100 countries as well as Korea.



366

Page

Page

298



Implant Direct Founded in 2006, Implant Direct pioneered the dental implant industry's value segment. Implant Direct was one of the first dental implant manufacturers to offer dentists dental implants via the internet at factory direct prices.



USA

SigmaGraft is an American manufacturer of dental and orthopedic biomaterials used in bone regeneration. A World leader in Bone regeneration. One of the fastest growing manufacturers of dental bone graft products worldwide.



374

Page

Page

330



SigmaGraft is an American manufacturer of dental and orthopedic biomaterials used in bone regeneration. A World leader in Bone regeneration. One of the fastest growing manufacturers of dental bone graft products worldwide.



USA

MEDIPAC—was established in 1987 and its premises are located in Northern Greece. MEDIPAC is a surgical sutures manufacturer with a thirty year-old experience in the field.



384

Page

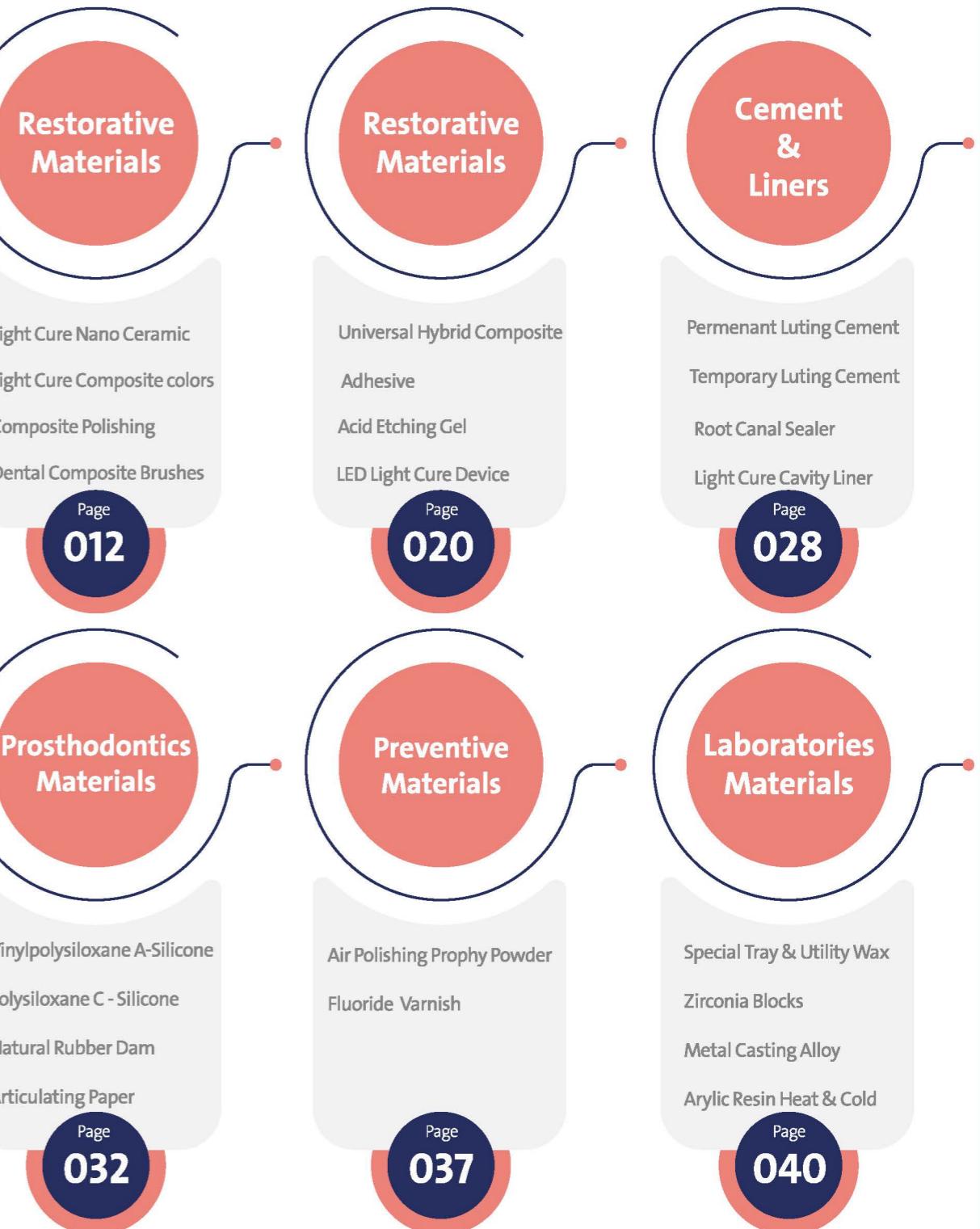


KD  
Kafou دكتور كافو

010



# PAGE INDEX



011

# ZENIT KIT

Light Cure Nano Ceramic Composite KIT



Product Code

PRD.100.01.ZN00

Clinical Cases /



**Zenit Nano Ceramic Composite** is a light-curing, highlustre-polish hybrid-composite with an ultrafine, radiopaque porcelain filler for use in adhesive filling treatment. It can be polished to a highlustre. Due to the ultrafine particle filler, extremely homogeneous restorations can be placed which are easily polished to a high lustre. The chameleon effect matches the shade of the filling perfectly to the tooth structure. The guidelines in DIN EN ISO 24049 have been complied with. Zenit Nano Ceramic Composite is supplied in practical screw syringes.

**Composition**

**Monomer Matrix:** Diurethane dimethacrylate, butanediol dimethacrylate, isopropylidene bis [2(3)-hydroxy-3(2)-(4-phenoxy) propyl] bismethacrylate.  
**Total filler content:** 83% by weight (70% by volume)  
 ✓ Glass filler (medium grit size 0.7 microns)  
 ✓ Pyrogenic silica (medium grit size 12 nm)  
 ✓ Agglomerated nanoparticles (medium grit size 0.6 microns)

**Wide Range Shade**

- ✓ Enamel Shades : W1, W2, W3
- ✓ Effect Shades : ER (red), UL, InTr
- ✓ Dentin Shades : A1, A2, A3, A3.5, A4, B1, B2, B3, C2, C3, D3
- ✓ Opaque Dentin : A2O, B2O

**Package Details**

- 7x 4gr Syringe (A1, A2, A3, A3.5, B2, A2O, W2)
- 1x 5ml Prebond (5th Generation Adhesive System)
- 1x 3ml Etching Gel
- 1x 2gr Dynamic Flow Refill A2 shade
- 1x 50 pcs applicator
- 2x 2 pcs mixing well

EN

EN

EN

EN

Clinical Case From /Dr. Mentor Smailaj

# ZENIT Refill

Light Cure Nano Ceramic Composite

**4gr Syringe Refill**

|                 |       |
|-----------------|-------|
| PRD.100.01.ZN01 | A1    |
| PRD.100.01.ZN02 | A2    |
| PRD.100.01.ZN03 | A3    |
| PRD.100.01.ZN04 | A3,5  |
| PRD.100.01.ZN05 | A4    |
| PRD.100.01.ZN06 | B1    |
| PRD.100.01.ZN07 | B2    |
| PRD.100.01.ZN08 | B3    |
| PRD.100.01.ZN09 | C2    |
| PRD.100.01.ZN10 | C3    |
| PRD.100.01.ZN11 | A2O   |
| PRD.100.01.ZN12 | B2O   |
| PRD.100.01.ZN13 | W2    |
| PRD.100.01.ZN14 | W3    |
| PRD.100.01.ZN15 | UL    |
| PRD.100.01.ZN16 | ER    |
| PRD.100.01.ZN17 | UD    |
| PRD.100.01.ZN18 | InTr  |
| PRD.100.01.ZN19 | W1    |
| PRD.100.01.ZN20 | InBlu |

EN

EN

EN

**Indications**

- ✓ Direct anterior and posterior restorations in all cavity classes
- ✓ Indirect restorations such as inlays, onlays, veneers
- ✓ Extended fissure sealing in molars and premolars
- ✓ Cores
- ✓ Adjusting contours and shade to improve aesthetics

**Technical Data**

|                        |             |
|------------------------|-------------|
| • Vickershardness      | : 1088 Mpa  |
| • E-Modul              | : 18154 Mpa |
| • Compressive Strength | : 462 Mpa   |
| • Flexural Strength    | : 152 Mpa   |
| • Tensile Strength     | : 66 Mpa    |
| • Shrinkage Vol        | : 1,83%     |
| • Radiopacity          | : 220% Al   |

**Minimum Intensity 1200 mW/cm<sup>2</sup>**

| Shades                                   | Increment Depth | Curing Time |
|--|-----------------|-------------|
| A1, A2, A3, A3.5, A4, B1, B2, B3, C2, C3 | 2.0 mm          | 20 s        |
| A2O, B2O                                 | 2.0 mm          | 20 s        |
| W1, W2, W3, UL, ER                       | 2.0 mm          | 20 s        |
| InTr InBlu                               | 2.0 mm          | 20 s        |

**High Mechanical Strength**

|                              |           |           |           |
|------------------------------|-----------|-----------|-----------|
| ZENIT Nano Ceramic Composite | Company A | Company B | Company C |
| Vickers Hardness (MPa)       | 1088      | 862       | 816       |
| 3-Points Strength (MPa)      | 18154     | 14245     | 15500     |
| Young's Modulus (MPa)        | 152       | 167       | 163       |
| Compression Strength (MPa)   | 462       | 465       | 459       |
| Batch                        | Gold 10-9 | N111327   | 10023     |
|                              |           |           | 950072    |

**Clinical Cases**

Clinical Case From /Dr. Samir Karimov

# ZENIT color

Light-Curing Stains On Composite Basis Kit



Zenit Color provides perfect characterization of composite facings on crowns and bridges, individualization of tailor-made resin teeth as well as characterization of denture base resins in partial and full dentures. Available in ten different shades.

EN

## Polymerization

Dialog Chroma-Flow can be polymerized in all conventional light-curing systems. Before the final polymerization, the complete polymerization site may be covered with expers-Gel. This avoids the formation of a new dispersion layer and facilitates the finalization of the object. Use a light-curing system with an emission spectrum of 310-500 nm. Perfect physical properties can only be obtained with immaculate lamps. It is important to test the light intensity regularly, in line with the manufacturer's instructions.

EN

## Product Code

PRD.01.ZC.100

EN

## Package Details

- 10x 1gr Syringe Refill
- Blue, Orange, Clear, Khaki, Dark Brown, Yellow, White, Light Brown, Black, Red



## Clinical Cases



Clinical Case From /  
Dr. Özgür Torun

# ZENIT color

Light-Curing Stains On Composite Basis



## Clinical Cases



Clinical Case From /  
Dr. Özgür Torun

## Contra-Indications

If a patient has known allergies against or hypersensitivities towards a component of this product, we recommend not to use it or to do so only under strict medical supervision. The dentist should consider known interactions and cross reactions of the product with other materials already in the patient's mouth before using the product.

EN

## Composition Filler, Anorganic

(50 weight % respectively 36% by volume)  
Glass filler (medium particle size: 0.7 µm)  
Pyrogenic silica (medium particle size: 0.01 µm)

EN

## Polymerization Times

|                     |         |
|---------------------|---------|
| Spektra LED         | : 1 min |
| Spektra 2000 fast   | : 3 min |
| Spektra 2000        | : 5 min |
| DC-XS/Uni-XS        | : 3 min |
| Spektramat          | : 5 min |
| Labolight LV-II/III | : 5 min |
| Solidilite EX       | : 5 min |

EN

## 1gr Syringe Refill / 1gr Spritze Refill

|                  |                          |
|------------------|--------------------------|
| PRD.01.ZC100.BLU | Blue / Blau              |
| PRD.01.ZC100.ORG | Orange / Orange          |
| PRD.01.ZC100.CLR | Clear / Transparent      |
| PRD.01.ZC100.KHI | Khaki / Khaki            |
| PRD.01.ZC100.DBR | Dark Brown / Dunkelbraun |
| PRD.01.ZC100.YLW | Yellow / Gelb            |
| PRD.01.ZC100.WHT | White / Weiß             |
| PRD.01.ZC100.LBR | Light Brown / Hellbraun  |
| PRD.01.ZC100.BLC | Black / Schwarz          |
| PRD.01.ZC100.RED | Red / Rot                |

EN

# ZENIT flex Snap On Disc Kit



| Code         | ZS.01    | ZS.05 | ZS.02     | ZS.06 | ZS.03     | ZS.07 | ZS.04          | ZS.08 |
|--------------|----------|-------|-----------|-------|-----------|-------|----------------|-------|
| Toughness    | Coarse   |       | Medium    |       | Fine      |       | Super Fine     |       |
| Indication   | Surround |       | Finishing |       | Polishing |       | High Polishing |       |
| Diameters mm | 10,0     | 14,0  | 10,0      | 14,0  | 10,0      | 14,0  | 10,0           | 14,0  |
| Thickness mm | 0,24     | 0,24  | 0,17      | 0,17  | 0,15      | 0,15  | 0,12           | 0,12  |
| Box          | 30       | 30    | 30        | 30    | 30        | 30    | 30             | 30    |

(\*) maks. 10'000 rpm      (\*\*) maks. 15'000 rpm

## Finishing and Polishing Disc Refill



## Package Details

- 1x 50 discs
- 1 piece Snap-On Mandrel

EN

## Product Code

- |                       |                     |
|-----------------------|---------------------|
| > Coarse Small        | PRD.01.ZS.RFL.50.01 |
| > Medium Small        | PRD.01.ZS.RFL.50.02 |
| > Fine Small          | PRD.01.ZS.RFL.50.03 |
| > Super-Fine Small    | PRD.01.ZS.RFL.50.04 |
| > Coarse Standart     | PRD.01.ZS.RFL.50.05 |
| > Medium Standart     | PRD.01.ZS.RFL.50.06 |
| > Fine Standart       | PRD.01.ZS.RFL.50.07 |
| > Super-Fine Standart | PRD.01.ZS.RFL.50.08 |

EN

## Product Code

PRD.01.ZS.SET.100

## Package Details

- 8x 20 discs,
- 20 stripes,
- 1 piece Snap-On Mandrel
- IFU

EN

## Zenit Flex Strips

Finishing and Polishing Stripes (Strip-Fine/Ultra Fine)



Product Code  
PRD.ST.50.001

Package Details  
• 50 pcs stripes

Zenit Flex Stripe abrasive and polishing stripe is used for finishing and polishing the surface of the restoration. It is made of Aliminium oxide layer and polyester. Easy to snatch.

| Code         | ST.50.001   |                |
|--------------|-------------|----------------|
| Toughness    | Fine        | Ultra-Fine     |
| Indication   | Surround    | High Polishing |
| Diameters mm | 4,0 x 150,0 |                |
| Thickness mm | 0,15 x 0,12 |                |
|              | 50          |                |



## Zenit Flex Strips

Finishing and Polishing Stripes (Strip-Coarse/Medium)



Product Code  
PRD.ST.50.002

Package Details  
• 50 pcs stripes

Zenit Flex Stripes prevent the generation of interteeth plaques and assists to obtain high quality finishing and polishing process.  
 ✓ The single side of the stripe is covered with aliminium oxide  
 ✓ Super thin disc can easily reach the desired area of the tooth and idel for he inter-teeth polishing  
 ✓ Easy to use because of color coding

| Code         | ST.50.002             |           |
|--------------|-----------------------|-----------|
| Toughness    | Coarse / Grob         | Medium    |
| Indication   | Surround / Einkreisen | Finishing |
| Diameters mm | 4,0 x 150,0           |           |
| Thickness mm | 0,17 x 0,24           |           |
|              | 50                    |           |

## Zenit Brush

Pure Kolinsky Dental Composite Brush



### Clinical Cases



|   | Product Code       | Description   | Ø   | Length |
|---|--------------------|---|-----|--------|
| 1 | PRD.01.ZBR.0       | Glaze Brush #0 (Round)  | 1.2 | 7.5    |
| 2 | PRD.01.ZBR.000     | Glaze Brush #000 (Round)  | 1.2 | 5.5    |
| 3 | PRD.01.ZBR.1       | Opaque Brush #01 (Flat)   | 2.6 | 6.0    |
|   | PRD.01.ZBR.SET.100 | Glaze Brush #0 (Round) + Glaze Brush #000 (Round) + Opaque Brush #01 (Flat) |     |        |

Zenit Brush which is produced from pure Kolinsky enables you to make perfect composite retouches. Thanks to its ergonomic wooden handle, high level of clutch is provided and also anebles you to make composite retouches with minimum effort and maximum quality.

- There exists 3 different models of brusher for your different operations.

EN

019

# Dynamic Plus

Universal Hybrid Composite Restorative Starter Kit

**5** syringe



Product Code

PRD.100.01.100

Starter Kit Package Details

- 5x 4gr Syringe (A1, A2, A3, B1, B2)
- 1x 5ml Prebond (Bonding Agent)
- 1x 3ml Syringe Etching Gel

**8** syringe



Product Code / Produktcode

PRD.100.01.101

Standard Kit Package Details

- 8x 4gr Syringe (A1, A2, A3, A3.5, B2, B3, A2O, I)
- 1x 5ml Prebond (Bonding Agent)
- 2x 3ml Syringe Etching Gel

**DYNAMIC PLUS** is a visible light cure microhybrid composite for anterior and posterior restorations. **DYNAMIC PLUS** is based on BIS-GMA-Resin and Inorganic filler particles of 0.05-1 $\mu$ m. The total filler load is 80%, and the total filler volume is 65%. It is available as single syringes or as kits in various combinations containing a bonding system and application accessories and various number of syringes. (5 syringes Starter Kit and 8 syringe Standard Kit).

- ✓ Easy handling, non-sticky formula that won't slump.
- ✓ Excellent wear resistance and superior performance at the margin.
- ✓ Resists chipping and fracturing for long-lasting restorations.
- Creamy consistency
- Great optical properties
- Simple technique
- Excellent polishability
- Long working time
- Suitable for all cavities in Anterior & Posterior teeth

EN

EN

#### Composition

- ✓ Barium aluminosilicate (Average Particle Size: <1 $\mu$ m)
- ✓ Fumed silica (Average Particle Size: 0.04 $\mu$ m)
- ✓ Bis-GMA
- ✓ Triethyleneglycol dimethacrylate
- ✓ Others
- ✓ The percentage by weight of total inorganic filler is ca.80%

#### Physical Data

- |                                     |               |
|-------------------------------------|---------------|
| • Depth treatment in 40 sec.        | : 4,5 mm      |
| • Flexural strength                 | : 120 Mpa     |
| • Diametric stretching strength     | : 69 Mpa      |
| • Pressure strength                 | : 400 Mpa     |
| • Polymerization shrinkage rate     | : 2,54%       |
| • Bareol toughness                  | : 68          |
| • Coefficient the thermal extension | : 32 umm-1K-1 |
| • Water absorption                  | : 12 ug/g     |
| • Solution in water                 | : 1ug/g       |
| • Radiopacity                       | : Strong      |
| • Polishing                         | : High Shine  |

EN

EN

# Dynamic Plus

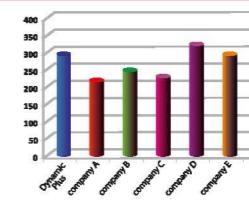
Universal Hybrid Composite Restorative Refill



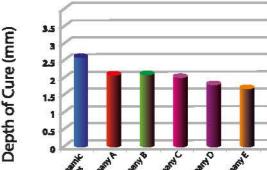
#### 4gr Syringe Refill

|                |             |
|----------------|-------------|
| PRD.100.01.102 | A1          |
| PRD.100.01.103 | A2          |
| PRD.100.01.104 | A3          |
| PRD.100.01.105 | A3,5        |
| PRD.100.01.106 | A4          |
| PRD.100.01.107 | B1          |
| PRD.100.01.108 | B2          |
| PRD.100.01.109 | B3          |
| PRD.100.01.110 | C2          |
| PRD.100.01.111 | C3          |
| PRD.100.01.112 | D3          |
| PRD.100.01.113 | A2O         |
| PRD.100.01.114 | A3O         |
| PRD.100.01.115 | I (Insizal) |
| PRD.100.01.116 | P (pedo)    |
| PRD.100.01.117 | E (enamel)  |

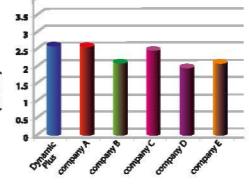
#### Mechanical Properties I



#### Polymerization Properties II



#### Polymerization Properties



#### Compressive Strength

The ability of a material to resist fracture / breakage from compressive (or crushing) forces from a single impact

#### Clinical Cases



Before



After



Before



After



Before



After

# Dynamic Flow

Universal Flowable Restorative Composite Set



Product Code

PRD.100.01.200

Package Details

- 5x 2gr Syringe (A1, A2, A3.5, B2, B3)
- 20x Applicator Tips

## Universal Flowable Restorative Composite Refill



### 2gr Syringe Refill

|                |      |                |     |
|----------------|------|----------------|-----|
| PRD.100.01.202 | A1   | PRD.100.01.209 | B3  |
| PRD.100.01.203 | A2   | PRD.100.01.210 | A2O |
| PRD.100.01.204 | A3   | PRD.100.01.211 | A3O |
| PRD.100.01.205 | A3.5 | PRD.100.01.212 | C2  |
| PRD.100.01.206 | A4   | PRD.100.01.213 | D2  |
| PRD.100.01.207 | B1   | PRD.100.01.214 | WT  |
| PRD.100.01.208 | B2   | PRD.100.01.215 | TL  |

Dynamic Flow is an flowable and restorative composite that can be polymerized with light and has low viscosity. Dynamic Flow that can provide perfect aesthetic with polishing retention presents you the universal technology. It provides excellent polishing and also less light cured.

### Key Features

- ✓ Excellent biocompatibility with dentin and pulp
- ✓ Light curing type cavity liner, cure extremely hard
- ✓ Chemically bonds to adhesives and composites
- ✓ Contains calcium hydroxy phosphate
- ✓ Releases calcium, hydroxyl, phosphate and fluoride ions
- ✓ Fluoride releasing
- ✓ Insoluble in water and oral fluids
- ✓ Radiopacity
- ✓ Flow on demand handling and easy dispensing

### Clinical Cases



EN

EN

# Prebond

5th Generation  
Light Cure One Component Bonding Agent

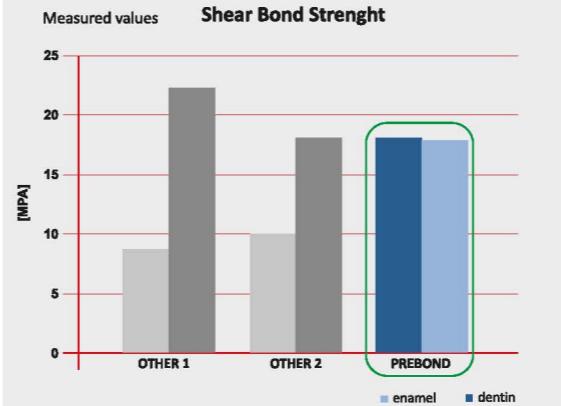


Product Code

PRD.100.02.02

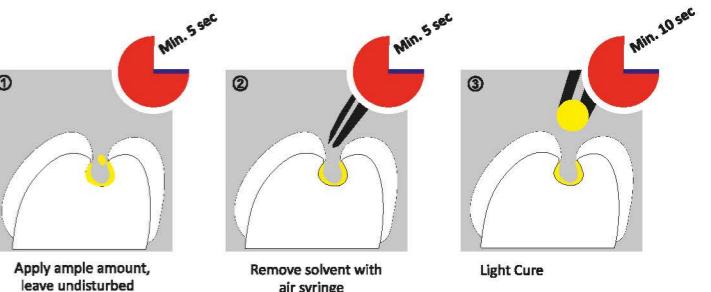
Package Details

- 1x 5ml



Prebond is a one component dental universal adhesive for bonding dentin/enamel using adhesive restoration technique. It has an excellent adhesion value with a very high hydrophilic properties. The fluid is an easy flowing with excellent deep absorption into the retention thus enabling very high bond strength while minimizing marginal gaps. Prebond Light cure universal bond 5ml.

Prebond is used to improve the adhesion of composites on enamel and dentin. Further, it improves the adhesion between glass-ionomer underfill (lining) cement and composite fillings (sandwich technique)



### Clinical Cases



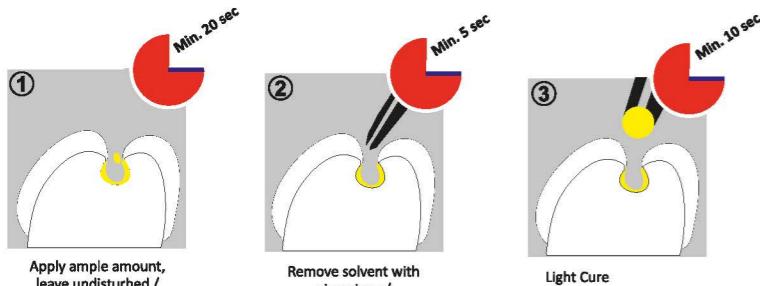
023

# Prebond SE

**7<sup>th</sup> Generation**  
Light Cure One Component Bonding Agent



Product Code **PRD.100.02.002**  
Package Details • 1x 5ml



**Light Cure**  
**PREBOND SE**  
Universal bond self etch

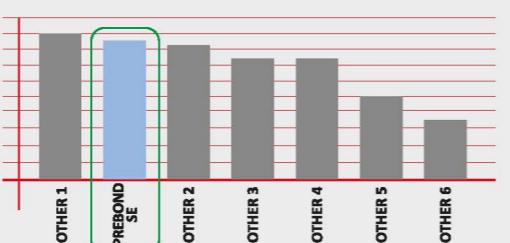
Prebond SE is a self-etching, light curing one component adhesive for the adhesive restorations technique used on direct and indirect restorations. Prebond SE is formulated to contain functional MDP monomers, methacrylate, photoinitiators, ethanol and water.

EN

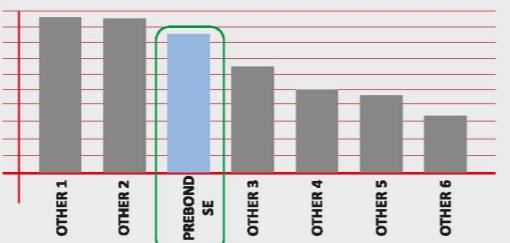
Can be used on the following cases: Fixing of composite-material and compomer at enamel and dentin Adhesive restorations of ceramic or composite at enamel and dentin. Fixing and repairing of light cure composites at hybrid ceramic, composite, metal or amalgam Usable as dentin-sealer PREBOND SE Light cure universal bond self-etch 5ml .PREBOND SE light cure universal bond self etch 5ml

EN

## Measured values

**Shear Bond Strength**  
Adhesion on bovine enamel, not etched

## Measured values

**Shear Bond Strength**  
Adhesion on bovine dentin, not etched

# Prebond Dual

**8<sup>th</sup> Generation**  
Universal Adhesive Dual



Product Code **PRD.100.02.022**  
Package Details • 1x 5ml Bond A  
• 1x 5ml Bond B

## Technical Data

|  |   |
|--|---|
| Optional: Response time of the etch-ing gel to enamel  | 20 to 60 s                              |
| Optional: Response time of the etch-ing gel to dentine | Max. 15 s                               |
| Working time*  | Max. 60 s                               |
| Mixing time  | 5 s                                     |
| Working-in time  |   |
| As adhesive on tooth: 2 layers                         | Massage in for 2 x 20 s + blow for 10 s |
| As primer on restorations: 1 layer                     | Massage in for 1 x 20 s + blow for 10 s |
| Optional: Light-curing time                            | At least 20 s                           |

\* When kept away from light during storage and mixing time, depending on the ambient temperature

## Instructions for use "Universal adhesive dual"

Universal adhesive dual is a dual-curing two-bottle adhesion primer. The material can be used as an adhesive on enamel and dentine with the self-etch, total-etch or selective-etch technique in combination with dual-curing, self-curing or light-curing composites. Thanks to its dual-curing property, the material is particularly suitable for use in the root canal area where it is difficult for light to penetrate. The material can also be used as a primer for indirect restorations made of metal (base metal, precious metal), oxide and silicate ceramics or composites.

EN

## Indications

## As adhesive on enamel and dentine for:

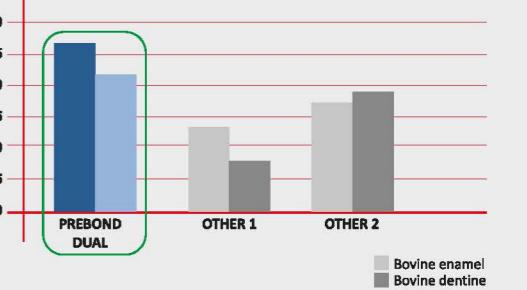
- ✓ Direct fillings with light-curing composites and compomers
- ✓ Light-curing fissure-sealing materials
- ✓ Light-curing, self-curing and dual-curing core build-up materials
- ✓ Cementing of indirect restorations (inlays, onlays, crowns and bridges) and root posts with light-curing, self-curing and dual-curing composite-based luting cements
- ✓ Cementing of veneers with light-curing luting composites in conjunction with the enamel etching technique

## As primer for indirect restorations:

- ✓ Metal (base metal, precious metal)
- ✓ Oxide ceramic (zircon oxide and aluminum oxide)
- ✓ Silicate ceramic
- ✓ Composites

EN

## Measured values

**Shear Bond Strength**  
on etched enamel and dentin (chemical curing only)

**PREBOND DUAL**  
Universal Adhesive Dual

EN

# Etching Gel

Composite Filling Material



Product Code

PRD.100.02.03

Package Details

• 1x 3ml

President Dental Etching Gel creates micropores in the enamel surface and removes the smear layer to unblock dentinal tubules. It promotes adhesive resin penetration and resin tag formation. President Dental Etching Gel is vital for the restoration's mechanical retention.

EN

**Properties**

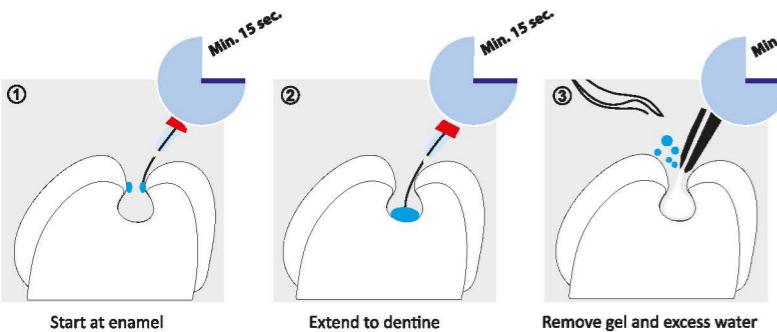
- ✓ Etching Gel is made up of 37% phosphoric acid gel
- ✓ Syringe offers ease of application for dispensing
- ✓ Thixotropic acid etching agent
- ✓ Blue color resulting visibility
- ✓ Good viscosity

EN

**Can be used in conjunction with all**

- ✓ Adhesives
- ✓ Composites
- ✓ Compomers
- ✓ Glass Ionomers
- ✓ Sealants

EN

**Clinical Cases**

Etching Gel is a surface preparation agent which is a 37% H<sub>3</sub>PO<sub>4</sub> semi-gel, and is most effective at quickly etching enamel and dentin.

(Microphotographs of premolar x 1.000)

**NEW**

# ZENO LITE

## LED CURING LIGHT

Product Code

PRD.01.ZNLGHT

**5****DIFFERENT  
OPERATION  
MODES****3 Soft start mode**

- 1) Optical output - After gradually increasing from 0 to 1,300 mW/cm<sup>2</sup> ( $\pm 10\%$ ) and be maintained until finish time
- 2) Available time setting – 3, 6, 9, 12 seconds

**4 Orthodontic mode**

- 1) Optical output - Over 1800 mW/cm<sup>2</sup> ( $\pm 10\%$ )
- 2) Available time setting – 3, 4, 5 seconds

**5 Xtra mode**

- 1) Optical output - Over 2700 mW/cm<sup>2</sup> ( $\pm 10\%$ )
- 2) Available time setting – 1, 2, 3 seconds

**1 Standart mode**

- 1) Optical output - Over 900 mW/cm<sup>2</sup> ( $\pm 10\%$ )
- Available time setting – 5, 10, 15, 20 seconds

**2 High mode**

- Optical output - Over 1,300 mW/cm<sup>2</sup> ( $\pm 10\%$ )
- 2) Available time setting – 3, 6, 9, 12 seconds

# Zenit Cem

Self Adhesive Composite Luting Cement - Dual Cure



## Product Code / Package Details

- PRD.ZCEM.TRS Transparent 1x 5ml (9.6gr) + 10x Applicator Tips
- PRD.ZCEM.A2 Universal 1x 5ml (9.6gr) + 10x Applicator Tips



Apply Zenit Cem Self adhesive composite luting directly into the restoration using the tip. The working time of Zenit Cem. Is approx 1 minute. Place the restoration fully into position using slight pressure.

## Indications

Permanent adhesive luting of indirect restorations (inlays, onlays, crowns, bridges, endodontic posts) made of noble metal, non-noble metal, PFM | Zirconia, glass ceramic (crowns and bridges) | Fiber reinforced composite (endodontic posts).

EN

## Characteristics

- ✓ Self adhesive
- ✓ High bond strength on enamel, dentin, metal and ceramics
- ✓ Radiopaque
- ✓ Dual-cure
- ✓ High mechanical properties

EN

## Application

1. Remove the temporary restoration and carefully clean off any residual temporary luting cement from the cavity or prepared core. Rinse with a water spray. Dry using oil-free air, avoid over drying the dentine.
2. Verify the accuracy of the fit of the restoration.
3. Then clean the restoration thoroughly and pretreat as follows:

### Etchable glass ceramic:

Etch the restoration with 5% hydrofluoric acid in accordance with the manufacturer's instructions, rinse thoroughly using a water spray and dry using oil-free air, apply silane (e.g. SilanePrimer) in accordance with the manufacturer's instructions.

### Oxide ceramics, metal sand metal alloys:

Pre-treat in accordance with the manufacturer's instructions. Unless otherwise stated, sand blast the inside of the restoration with aluminum oxide (< 50 µm), clean with alcohol, and dry with air that is free of oil and water.

### Fiber-reinforced root posts:

Clean the root post with ethanol, dry with oil-free air, and apply silane (e.g. SilanePrimer) in accordance with the manufacturer's instructions.

EN



Allow the patient to slowly adopt the habitual occlusion. The restoration can support a full load after 7 minutes.

EN

**Self-Curing**  
Excess material should be removed during the elastic phase, i.e. approximately 45 sec. to after application, using a single-use brush / brush / foam pellet/scaler or using dental floss. It is particularly important to ensure that excess is removed quickly in areas that are difficult to access (proximal gingival margins)

EN

# extracem®

Glass Ionomer Luting Cement



## Product Code

PRD.100.ExC

## Package Details

- 1x 17ml Liquid
- 1x 35gr Powder

## FEATURES

A radiopaque glass ionomer luting cement with prolonged working time followed by snap-set reaction. Combines excellent handling, low film thickness, high strength and contains fluoride. Excellent adhesion of porcelain, ceramic or metal to tooth structure.

EN

## RECOMMENDED INDICATIONS

- ✓ Cementing of crowns, bridges, inlays or orthodontic brackets.

EN

## CONTRA-INDICATIONS

- ✓ Pulp capping.

EN

## STORAGE

- ✓ Store in a cool dry place (5-25°C). Close caps immediately after use..

EN

## APPLICATIONS

|                            |                                   |
|----------------------------|-----------------------------------|
| Powder: Liquid Ratio       | 1 Scoop : 2 Drops / 2.00g : 1.00g |
| Mixing Time                | 30 seconds                        |
| Working Time (at 23 ± 1°C) | 3 minutes 30 seconds Minimum      |
| Setting Time (at 37 ± 1°C) | 4 minutes 0 seconds Minimum       |

EN

1. Clean the preparation and restoration with oil-free prophy paste, water and air dry. Use calcium hydroxide if remaining dentin is thin and pulp protection is required.

EN

2. Place 1 level scoop of powder and 2 bubble-free drops of liquid on glass block or mixing pad and mix thoroughly with flat bladed spatula to creamy consistency.

EN

3. Spread a thin layer of cement over all inside surfaces of restoration and seat on preparation. Have patient bite down sufficiently hard on a cotton ball to remove air and trim excess cement squeezed out. The set cement is tooth coloured (U).

EN

# Procem

Temporary Eugenol-Free Luting Cement



## Luting Cement

Product Code / Produktcode

PRD.333.01.01

Package Details

- 1x 25 g base
- 1x 25 g catalyst

Temporary luting of inlays, onlays, crowns, partial crowns, bridges, attachments and posts. Temporary filling of small cavities.

**Properties**

- ✓ Excellent adhesion of temporary cementation
- ✓ Highly economical direct application
- ✓ No eugenol allergies
- ✓ Peelable consistency for easy clean-up

|              |          |
|--------------|----------|
| Working Time | 1-2 min. |
| Curing Time  | 3-6 min. |

EN

EN

EN



# ENDOPLUS

  
Root Canal Sealer

Product Code

PRD.100.01.290

Package Details

- 13.5 gr dual syringes ( Base 9gr ( Epoxy resin, Calcium phosphate) Catalyst 4.5g (Amines, Bismuth subcarbonate)
- Spatula
- Mixing Plate
- Dimension: 55x180x40 (mm)
- Weight: 13.5 gr

EndoPlus Root Canal Sealing Material is a two component paste-paste dual syringe root canal sealer based on epoxy resin. It is the endodontic product for every dental practice and can be used for all established and more recent root canal sealing techniques

**Properties**

- ✓ Easy to mix by paste - paste
- ✓ Hermetic sealing ability
- ✓ Nonstaining to the teeth
- ✓ Insoluble in tissue fluids
- ✓ Working time of 35 minutes at 23°C (73°F)
- ✓ Setting time of 45 minutes at 37°C (99°F)
- ✓ Storage temperatures: +18°C (64°F) to +24°C (75°F)

EN

EN

EN

**Advantages**

- ✓ Dual - syringes design provides for accurate dispensing
- ✓ Is homogeneous, free of air bubbles and easy to mix
- ✓ Provides a hermetic seal
- ✓ Penetrates superbly into the smallest lateral canals
- ✓ Does not stain teeth
- ✓ Has low solubility in soft tissues
- ✓ Has good apical tolerance
- ✓ Is radio - opaque

# Novaseal

  
Light Curing Lining MaterialFILLED  
WITH  
GLASS  
IONOMER

Novaseal is a light curing, radiopaque cavity liner with a very high pressure-strength and good adhesion to the dentin. It contains glassionomer, fluorides and could be applied directly, and could be set under all kinds of filling-materials.

EN

EN

EN

**Advantages**

- ✓ Ready for use one component material
- ✓ Time saving: Light curing in seconds
- ✓ Quick and hygienic application
- ✓ High compressive strength (200 Mpa)
- ✓ Fluoride release against secondary caries
- ✓ High biocompatibility
- ✓ Radiopaque

Product Code / Package Details

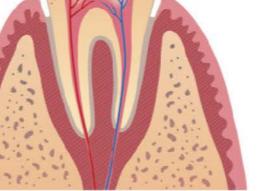
- PRD.333.01.02 1x 2,5gr + Tips
- PRD.333.02.02 2x 2,5gr + Tips

EN

EN

EN

EN



Prepare Cavity /



Apply as required /



Light Cure for 30 second /

**NOVASEAL**  
Light curing lining material

# Presigum

Hydrophilic Addition Silicone\_A-Silicone



| Fast Set | Light Body  |
|----------|---|
|          | <b>Product Code</b><br><b>PRD.01.PGUML01</b>  |
|          | <b>Package Details</b> <ul style="list-style-type: none"> <li>• 2x 50 ml</li> <li>• 10x Mix. Tips</li> <li>• 5x Yellow Oral Tips</li> </ul> |

| Normal Set | Light Body  |
|------------|---|
|            | <b>Product Code</b><br><b>PRD.01.PGUML02</b>  |
|            | <b>Package Details</b> <ul style="list-style-type: none"> <li>• 2x 50 ml</li> <li>• 10x Mix. Tips</li> <li>• 5x Yellow Oral Tips</li> </ul> |

| Fast Set | Putty Kit Base + Catalyst  |
|----------|--|
|          | <b>Product Code</b><br><b>PRD.01.PGUMP01</b>   |
|          | <b>Package Details</b> <ul style="list-style-type: none"> <li>• 2x 250 ml</li> </ul> |

| Normal Set | Putty Kit Base + Catalyst  |
|------------|--|
|            | <b>Product Code</b><br><b>PRD.01.PGUMP02</b>   |
|            | <b>Package Details</b> <ul style="list-style-type: none"> <li>• 2x 250 ml</li> </ul> |

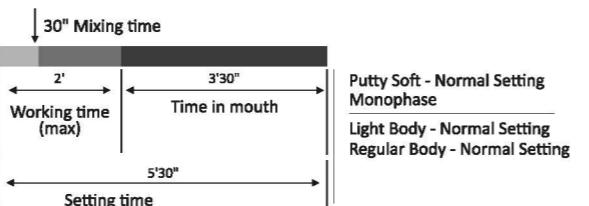
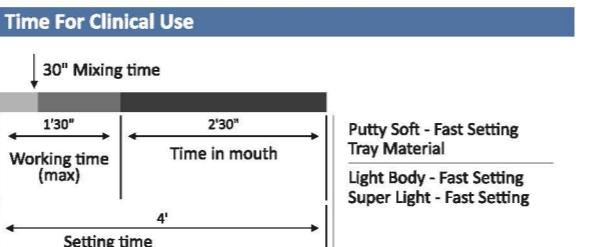
Presigum Putty Soft: Vinylpolysiloxane for first impressions with elastic final consistency, recommended for all impression techniques: two-stage(double impression\*) or single-stage (simultaneous). EN

## Clinical Cases



Clinical Case From /  
Dr. Vladislav Tolkachev

Clinical Case From /  
Dr. Xatir Melikli



## Technical Data

### Presigum

|   | Light Body<br>Normal Setting          | Light Body<br>Fast Setting            | Putty Soft<br>Normal Setting          | Putty Soft<br>Fast Setting            |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| <b>ISO 4823</b>                           | Type 3<br>Light-bodied<br>Consistency | Type 3<br>Light-bodied<br>Consistency | Type 0<br>Putty-bodied<br>Consistency | Type 0<br>Putty-bodied<br>Consistency |
| <b>Mixing ratio Base: Catalyst</b>        | 1:1                                   | 1:1                                   | 1:1                                   | 1:1                                   |
| <b>Mixing Time</b>                        | in tube<br>30"                        | Auto<br>mixing system                 | 30"                                   | 30"                                   |
| <b>Total Working Time</b>                 | 2'                                    | 1'30"                                 | 2'                                    | 1'30"                                 |
| <b>Time in Mouth (min.)</b>               | 3'30"                                 | 2'30"                                 | 3'30"                                 | 2'30"                                 |
| <b>Setting Time</b>                       | 5'30"                                 | 4'                                    | 5'30"                                 | 4'                                    |
| <b>Strain in Compression (min - max)</b>  | 3-5%                                  | 3-5%                                  | 1-3%                                  | 1-3%                                  |
| <b>Recovery From Deformation</b>          | >99,5%                                | >99,5%                                | >99,0%                                | >99,0%                                |
| <b>Linear Dimensional change 24 hours</b> | <0,20%                                | <0,20%                                | <0,20%                                | <0,20%                                |
| <b>Hardness "Shore A"</b>                 | 45±2                                  | 45±2                                  | 60±2                                  | 60±2                                  |

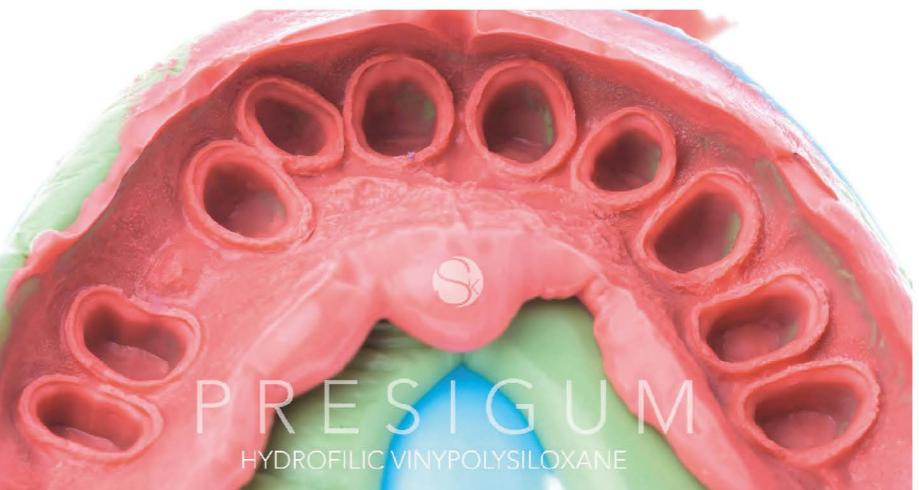
### P55 Dispenser



**Product Code / Package Details**  
EN

- PRD.01.P55
- 1x Dispenser

## Clinical Cases



# Durosil L

## C-Silicone Impression Material Type I

Preliminary impression material with silicone base precision for supplementary impressions

**Product Code**

PRD.01.10001

**Package Details**

• 1600 gr / 900 ml

# Durosil Kit

## C-Silikone Impression Materials

**Product Code**

PRD.01.10004

**Package Details**

• Durosil L • Durosil S • Paste Hardener

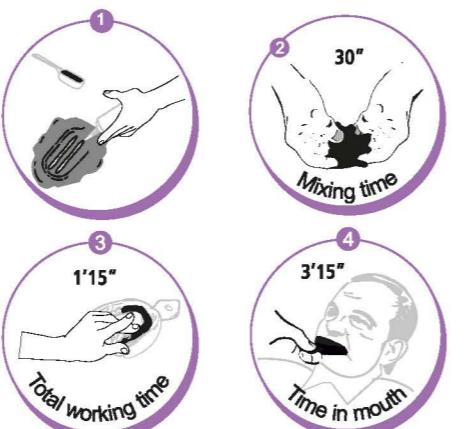
- ✓ Polysiloxane condensation curing preliminary impression material with high final hardness
- ✓ Simplified initial mixing through optimized fillers
- ✓ Silicate compound 63.30%
- ✓ Suitable for the double-mix technique
- ✓ Super detail reproduction
- ✓ Excellent characteristics
- ✓ Excellent dimensional accuracy and perfection in detail
- ✓ Easy to use and natural taste
- ✓ Hydrophilic surface characteristics resulting in low waste
- ✓ Hydroxy-polydimethylsiloxane 28.40%
- ✓ All fruits

**Technical Details**

|                           |            |
|---------------------------|------------|
| Mixing Time               | : 0:30 min |
| Processing Time           | : 1:15 min |
| Time in Mouth             | : 3:15 min |
| Setting Time              | : 4:30 min |
| Strain in Compression     | : 2-5%     |
| Recovery From Deformation | : >98%     |
| Linear Dimensional Change | : <0,2%    |

**Physical Properties**

|                                       |              |
|---------------------------------------|--------------|
| • Color                               | : Purple     |
| • Flavour                             | : All Fruits |
| • Mixing Time (sec.)                  | : ≤30        |
| • Strain in Com.%                     | : 0.8/20     |
| • Elastic Recovery (%)                | : 96.5       |
| • Detail Reproduction (μm)            | : 75         |
| • Compatibility With Gypsum (μm)      | : 75         |
| • Total Working Time (sec.)           | : 60-90      |
| • Setting Time (sec.)                 | : 340-420    |
| • Hardness After 1h (sh-a)            | : 67-77      |
| • Linear Dimensional Change 24hrs (%) | : ≤1.5       |



EN

# Durosil S

## C-Silicone Impression Material Type II

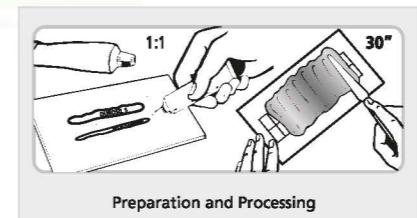
Low viscosity, extremely flowable, hydrocompatible polysiloxane Ideal for double-mix technique, single-mix technique with two viscosities

**Product Code**

PRD.01.10002

**Package Details**

• 193 gr / 140 ml



Preparation and Processing

EN

EN

- ✓ Very high compressive strength and recovery from deformation
- ✓ DUROSIL S consistency and high hydrocompatibility guarantee a perfect reproduction of fine details in every clinical condition
- ✓ Flowable consistency perfect flowability in the gingival sulcus
- ✓ Easy to use and natural taste
- ✓ Excellent dimensional accuracy and perfection in detail
- ✓ Silicate compound 48.90%
- ✓ Fruitmix 0.11%
- ✓ Hydroxy-polydimethylsiloxane 13.6%

**Technical Details**

|                           |            |
|---------------------------|------------|
| Mixing Time               | : 0:30 min |
| Processing Time           | : 1:15 min |
| Time in Mouth             | : 3:30 min |
| Setting Time              | : 5:00 min |
| Strain in Compression     | : 2-8%     |
| Recovery From Deformation | : >99%     |
| Linear Dimensional Change | : <0,7%    |

EN

EN

**Physical Properties**

|                                       |              |
|---------------------------------------|--------------|
| • Color                               | : Green      |
| • Flavour                             | : All Fruits |
| • Mixing Time (sec.)                  | : ≤30        |
| • Strain in Com.%                     | : 2/20       |
| • Elastic Recovery (%)                | : 96.5       |
| • Detail Reproduction (μm)            | : 20         |
| • Compatibility With Gypsum (μm)      | : 50         |
| • Total Working Time (sec.)           | : 60-90      |
| • Setting Time (sec.)                 | : 240-330    |
| • Hardness After 1h (sh-a)            | : 28-38      |
| • Linear Dimensional Change 24hrs (%) | : ≤1.5       |

EN

EN

# Paste Hardener

## Catalyst For C-Silikone Impression Materials

For Durosil L, Durosil S and Paste Hardener for the condensation crosslinking Durosil Products Hardener is for silicone impression

**Product Code**

PRD.01.10005

**Package Details**

• 60ml

**Technical Details**

|  |
|--|
| ✓ Excellent flow characteristics             |
| ✓ No negative side effect                    |
| ✓ Mucosal movements can be taken precisely   |
| ✓ Paste hardener for silicone                |
| ✓ Easy to mix due to outstanding wettability |

EN

EN

**Physical Properties**

|                             |          |
|-----------------------------|----------|
| • Color                     | : Red    |
| • Flavour                   | : Mint   |
| • Mixing Time (sec.)        | : ≤30    |
| • Total Working Time (sec.) | : 75-130 |
| • Setting Time (sec.)       | : 75-130 |
| • Consistency               | : 35-45  |

EN

# Dental Dam

Powder Free Natural Rubber Latex Dental Dam



## Product Code / Package Details

- PRD.01.DL632B > Dental Dam / Blue / Heavy Plain / 0,14mm
- PRD.01.DL622B > Dental Dam / Blue / Medium Plain / 0,14mm
- PRD.01.DL612B > Dental Dam / Blue / Thin Plain / 0,14mm
- PRD.01.DL631A > Dental Dam / Green / Heavy Mint / 0,14mm
- PRD.01.DL621A > Dental Dam / Green / Medium Mint / 0,14mm
- PRD.01.DL661H > Dental Dam / Black / Medium Mint / 0,14mm

High flexibility with a high tear tolerance to allow for the easy fixing of clamps.  
Dental Dam is powder free and low protein.  
Three type colour are available, Green, Blue and Black

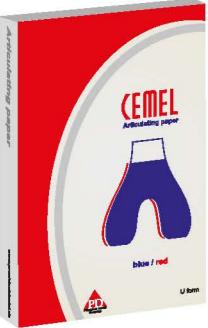
EN



| Colour              | Green  | Blue   | Black  |
|---------------------|--|--|--|
| Strength            | Medium/Heavy                                 | Thin / Medium / Heavy                        | Medium                                       |
| Packing             | 6"x6"-36 Sheets per box                      | 6"x6"-36 Sheets per box                      | 6"x6"-36 Sheets per box                      |
| Shape               | Square                                       | Square                                       | Square                                       |
| Tensile Strength    | 24.0 Mpa (min)                               | 24.0 Mpa (min)                               | 24.0 Mpa (min)                               |
| Ultimate Elongation | 700% (min)                                   | 700% (min)                                   | 700% (min)                                   |
| Extractable Protein | <50 microgramme/dm <sup>2</sup>              | <50 microgramme/dm <sup>2</sup>              | <50 microgramme/dm <sup>2</sup>              |
| Residual Powder     | <2.0 microgramme/dm <sup>2</sup>             | <2.0 microgramme/dm <sup>2</sup>             | <2.0 microgramme/dm <sup>2</sup>             |
| Scent / Colour      | Mint   | Unscented                                    | Mint   |
| Packaging           | 40 Boxes / carton<br>for 34x34x17 cm (LXWXH) | 40 Boxes / carton<br>for 34x34x17 cm (LXWXH) | 40 Boxes / carton<br>for 34x34x17 cm (LXWXH) |

# Cemel "U" Cemel "I" Form

Articulating Paper



## Product Code

PRD.01.10011

## Package Details

- U-Form 6 booklets of 12 sheets



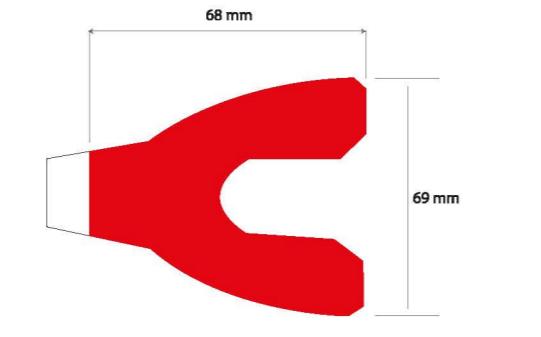
## Product Code

PRD.01.10010

## Package Details

- I-Form 12 booklets of 12 sheets

EN



# PROPHY POWDER

Prophylaxis Powder



## Product Code / Package Details

- PRD.01.4000 1x 300gr
- PRD.01.4015 20x 15gr

Prophy Powder is a spearmint flavored sodium bicarbonate powder for professional air polishing prophylaxis procedures. Used together with an air polishing system, Prophy Powder allows the removal of stains such as tobacco, coffee and tea. It is also suitable for Prophylaxis of orthodontic patients as well as preparation of tooth surfaces prior to bonding and sealant procedures.

EN



Before

After



Before

After



**PROPHY POWDER**  
**CLEAN OF DIAMOND**  
**SPERMINT**

# PROFESSIONAL PROTECTOR SHIELD

**ProShield® varnish**  
5% sodium fluoride varnish

**Proshield Varnish** is fluoride varnish containing 50mg of sodium fluoride per 1ml. It also contains **TCP** and **Xylitol**. It is applied to teeth for the purpose of delivering fluoride and treatment hypersensitivity. It has four flavors such as bubblegum, strawberry, melon and mint. **Proshield Varnish** is packed in single dose package allows easy mixing and application.



## ProShield® varnish

5% Sodium Fluoride Varnish

First Choice for **Hypersensitivity**  
& **Caries Prophylaxis**



### Package Details

- Unit Dose - 0.4ml.
- Flavor: Bubblegum, Strawberry, Melon, Mint
- Contains
  - Standart pack : 32 single-unit-dose application sticks
  - Bulk pack : 200 single-unit-dose application sticks



Proshield Varnish is fluoride varnish containing 50mg of sodium fluoride per 1ml. It also contains **TCP** and **Xylitol**. It is applied to teeth for the purpose of delivering fluoride and treatment hypersensitivity. It has four flavors such as bubblegum, strawberry, melon and mint. **Proshield Varnish** is packed in single dose package allows easy mixing and application.

### Indications

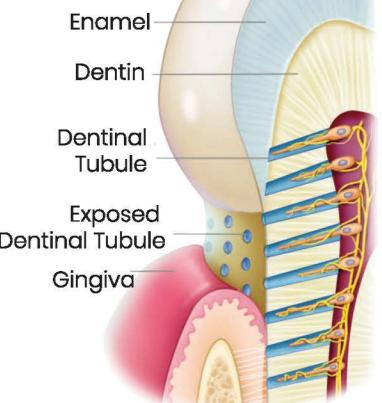
- For use as a desensitizing agent to help relieve dentinal hypersensitivity; To line cavity preparations under amalgam restorations
- Caries prophylaxis

### Contra Indications

- Do not use on patients with ulcerative gingivitis or stomatitis.
- If patients are known to be allergic to ingredients including fluoride, resin or similar materials, **Proshield Varnish** should not be used.
- After the application of **Proshield Varnish** patients should avoid chewing hard food, drinking liquids containing alcohol and brushing for 4 to 6 hours.

### Composition

- |                   |           |       |
|-------------------|-----------|-------|
| ✓ Resin           | ✓ Ethanol | ✓ TCP |
| ✓ Sodium Fluoride | ✓ Xylitol |       |





**HELMUT ZEPF**  
MEDIZINTECHNIK GMBH



Download the  
Full Company  
Catalogue



064



**HELMUT ZEPF**  
MEDIZINTECHNIK GMBH

**100**  
**YEARS**  
IN DEVELOPMENT OF  
SURGICAL INSTRUMENTS



# PAGE INDEX

**Diagnostic &  
Periodontics**

Handise, Probs & Tweezers  
Curettes & scales  
Endodontics Instruments

Page  
**066**

**Extraction  
Instruments**

BENEX Extraction System  
Extraction Forceps  
Root Elevators

Page  
**090**

**Extraction  
Instruments**

Forceps, Elevator &Raspatory  
Blades & Blades Holders  
Scissors & Needle Holders  
Aspirators , Syringe, Hummer

Page  
**096**

**Implantology  
Instruments**

3D Bone Ring-Osteotome Kits  
Bone Scrapers & Applicators  
Sinus Elevation Kits  
Economy Implantology Set

Page  
**108**

**Micro-  
Surgical**

Tunneling Instruments  
Macro / Micro Needle Holder  
Micro Scissors  
Micro Surgical Kit

Page  
**116**

**Maintainance  
Instruments**

Intraoral Mirrors Photography  
Crown Revmover Instruments  
Washtrays  
Washbaskets

Page  
**120**

065

**Z-SHAPE Relax**

## The "New Generation Handles"

The **Z-SHAPE Relax** handles were designed according to ergonomic knowledge for the optimal working process during the curettage.

The handles are coated with the new **ZEPF nanopal®** coating.

The black-coated **ZEPF nanopal®** curettes have a durable, very hard surface which is very aggressive and sharp-edged, due to their crystalline nanostructure.

With the unique coating, the surface hardness is increased to an unprecedented **4500 Vickers**.

The black, scratch-resistant surface is easy to clean and prevents unpleasant light reflections.

As usual, the instrument tips are interchangeable due to the M4 x 0.5 mm thread. **QUICKFIX**

handles: **HELMUT ZEPF**

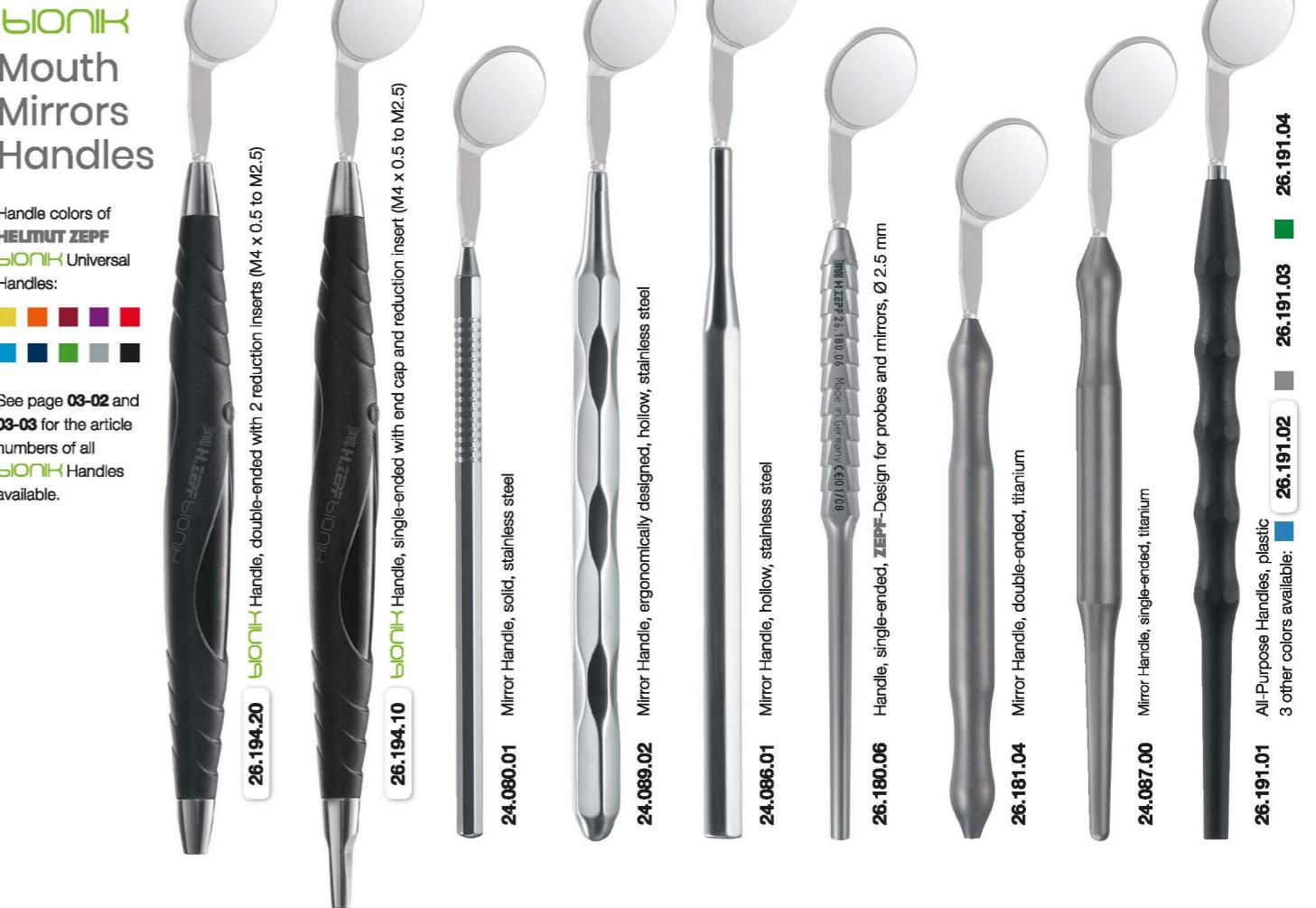
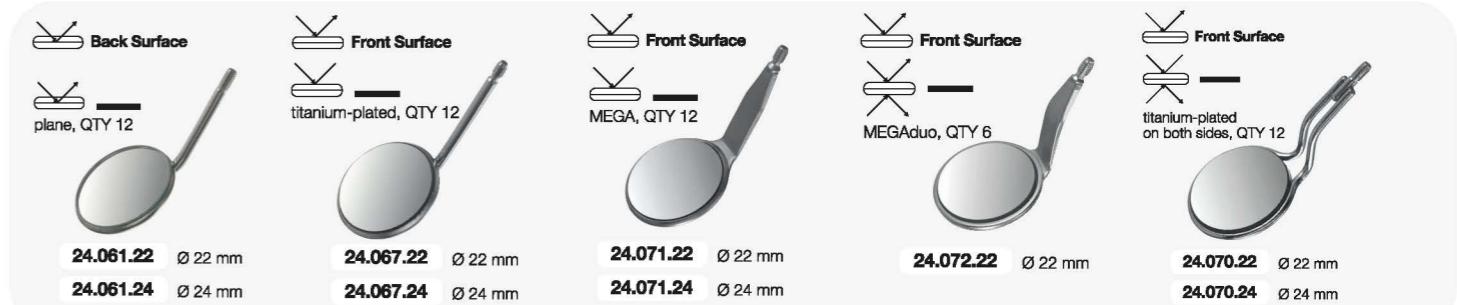
- 26.010.010X** yellow
- 26.010.020X** brown
- 26.010.030X** violet
- 26.010.040X** signal purple
- 26.010.050X** champagne
- 26.010.060X** turquoise
- 26.010.070X** cobalt-blue
- 26.010.080X** yellow-green
- 26.010.090X** mint
- 26.010.100X** black

**ZEPF Retractor and Mouth Mirror**  
by Dentist Beck**24.062.31**

**ZEPF bionik** Retractor and Mouth Mirror, size 2, 27 mm, **ZEPF bionik** Universal Handle, PEEK, single-ended, signal purple

**24.062.30**

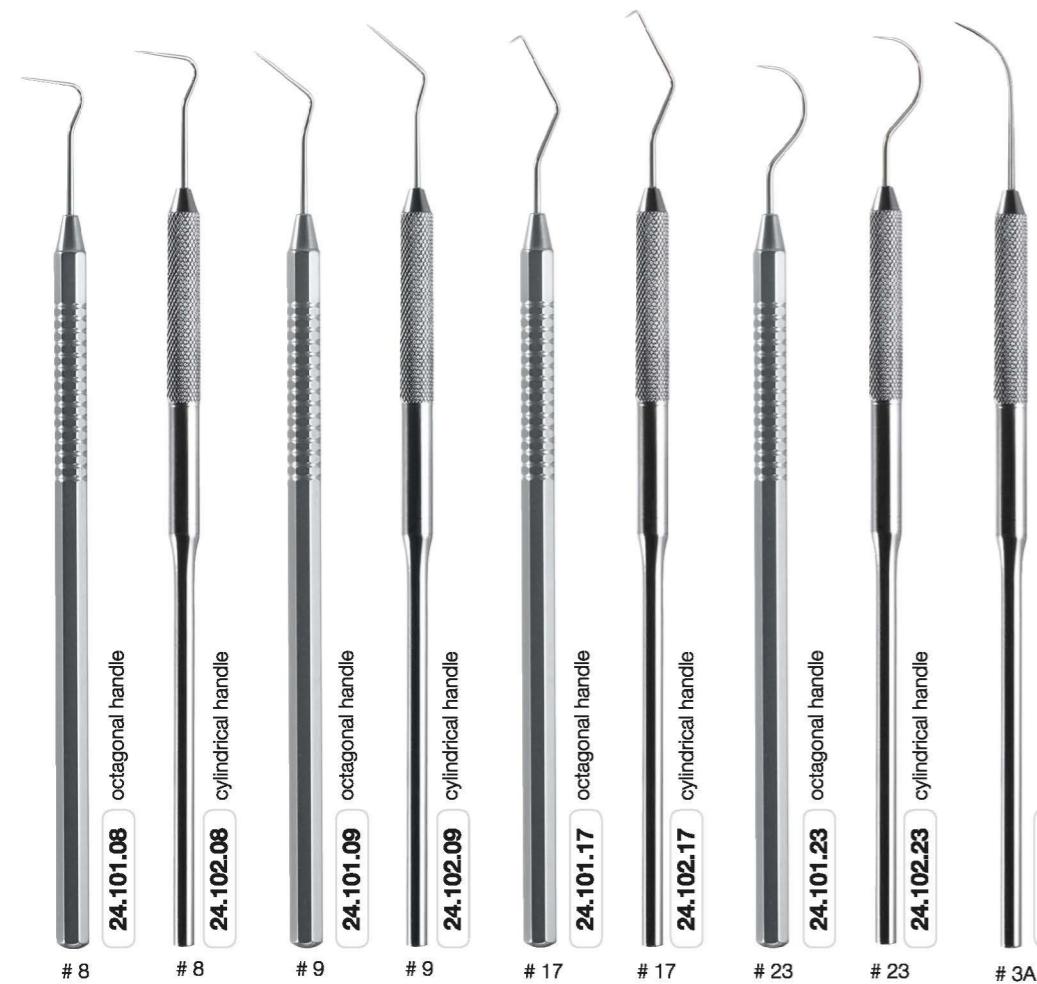
**ZEPF bionik** Retractor and Mouth Mirror, size 1, 24 mm, **ZEPF bionik** Universal Handle, PEEK, single-ended, signal orange



**ZEPF** Dental Probes

Those **HELMUT ZEPF** Probes shown in figures **8, 9, 17** and **23** are available in octagonal and cylindrical versions, both of which are pleasantly lightweight. Our ergonomically designed octagonal handles are comfortable to hold, and provide precision fingertip control.

Their thin, unbreakable, yet flexible tips manufactured from special alloy steel have an extremely long duration of life.

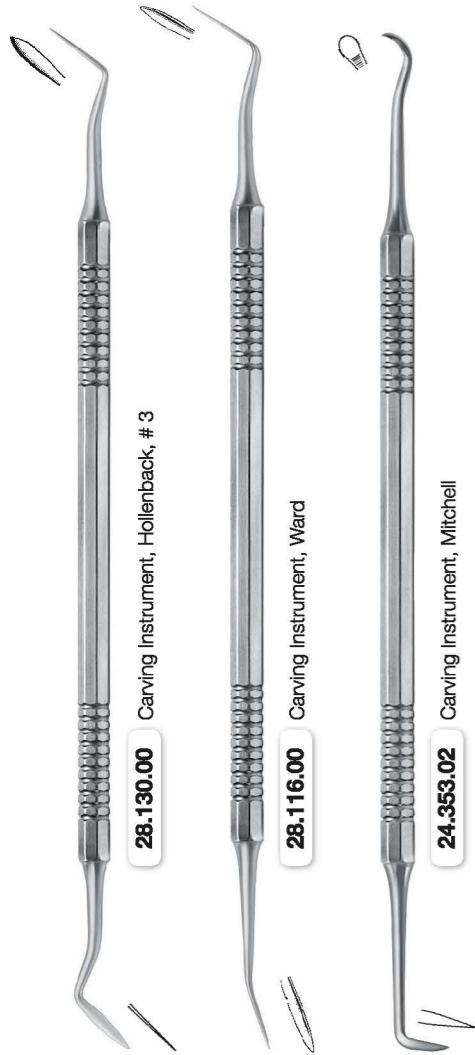
**ZEPF** Dental Tweezers

All **HELMUT ZEPF** Dental Tweezers have guide pins that prevent their tips from crossing. The broader version and their somewhat shorter tips allow exerting pressures in excess of those of common tweezers.



## Modeling Instruments – Precision in Perfection

Quality MADE IN GERMANY for  
the quality-conscious technician.



### Universal Handle

**bionik Universal Handle** Universal Handle made of PEEK high-tech plastic material – guarantees an ideal power transmission with formerly unknown sensitivity. The handle is available in 10 different, fresh basic colors.

- yellow
- signal orange
- red-purple
- signal purple
- lightred-magenta
- turquoise-brightblue
- cobalt-blue
- yellow green
- grey
- black

#### bionik Universal Handle QUICKFIX, double-ended

- 26.193.01
- 26.193.02
- 26.193.03
- 26.193.04
- 26.193.05
- 26.193.06
- 26.193.07
- 26.193.08
- 26.193.09
- 26.193.10



### QUICKFIX

All **QUICKFIX Handles** have a metric thread M4 x 0.5 and are therefore compatible with the most common exchangeable inserts.



**bionik ID Plug** for an individual color coding of the handle series.  
Material: PEEK high-tech plastic.

Optional, the handle is available with a different colored ID Plug.  
When placing an order of **bionik Handles** please indicate the desired **ID-Plug** separately according to the listing below.

- 26.195.01
- 26.195.02
- 26.195.03
- 26.195.04
- 26.195.05
- 26.195.06
- 26.195.07
- 26.195.08
- 26.195.09
- 26.195.10

### bionik

**Universal Handle**  
single-ended  
**QUICKFIX** for all common curette and scaler tips including 1 end cap

- 26.193.11
- 26.193.12
- 26.193.13
- 26.193.14
- 26.193.15
- 26.193.16
- 26.193.17
- 26.193.18
- 26.193.19
- 26.193.20

### bionik

#### Universal Handle

single-ended  
**QUICKFIX** for all common curette and scaler tips including 1 end cap

**bionik**  
Universal Handle  
single-ended for  
exchangeable inserts  
M2.5, for all common  
probes and mouth mirrors  
including 1 end cap and  
1 reduction insert

- 26.194.01
- 26.194.02
- 26.194.03
- 26.194.04
- 26.194.05
- 26.194.06
- 26.194.07
- 26.194.08
- 26.194.09
- 26.194.10

### bionik

#### Universal Handle

double-ended

for exchangeable tips,  
M2.5, incl. 2 reduction  
inserts

- 26.194.11
- 26.194.12
- 26.194.13
- 26.194.14
- 26.194.15
- 26.194.16
- 26.194.17
- 26.194.18
- 26.194.19
- 26.194.20

### bionik

#### End Cap

(Length 25 mm)  
for using the handles as single-ended  
handle variants.

### Universal Handle

#### bionik

**Reduction Insert**  
to reduce thread from  
M4 x 0.5 to M2.5, which  
enables the use of a  
double-ended handle for  
probes and mouth mirrors.





## Contrast PA Probe Inserts

### Contrast PA Probe Inserts

The new **ZEPF** Contrast PA Probes are made of plastic material and dispose of a flexible working tip which adapts optimally to the anatomy of the pocket depth when measuring.

Colorstable, black markings on the white basic material guarantee a very good contrast for reading. The sterilizable, exchangeable tips are available in different common graduations.

They are suited to determine the parodontal status and especially to be used on implants. Scratching of implant surfaces is avoided with these probes.

**The tips are reusable until they bend, the color fades or the graduation is not readable any more.**



**24.451.00** # 1

graduation 3/6/8/11 mm  
M4 x 0.5 mm, PU 12 pieces



**24.451.01** # CPG 12

graduation 3/6/9/12 mm  
M4 x 0.5 mm, PU 12 pieces



**24.451.02** # CPNG 22

graduation 2/4/6/8/10/12 mm  
M4 x 0.5 mm, PU 12 pieces



**24.451.03** # PCPG 11.5

graduation 3.5/5.5/8.5/11.5 mm  
M4 x 0.5 mm, PU 12 pieces



**24.451.06** # CNC

graduation 1 - 15 in mm steps,  
North Carolina  
M4 x 0.5 mm, PU 12 pieces



### Universal Handle Endo-Control by Dr. Carsten Franke

Due to its laser-marked measuring scale, the **HELMUT ZEPF** Endo-Control Mouth Mirror Handle allows a simple determination of the required working length. The measuring precision can be adjusted to 0.5 mm. The sandblasted surface reduces reflections on the Endo-Control instrument surface.



**24.454.03** CPG 11.5 (WHO)

Periodontal Probe exchangeable, M2.5  
graduation 3.5/5.5 / 8.5/11.5 mm

**26.180.07** Universal Handle

**ZEPF** Design, single-ended, M2.5 with endo calibration



Application **ZEPF** Endo-Control

### Periodontal Probes

All **HELMUT ZEPF** Periodontal Probes are high-speed machined. Their tips are thus very fine and dimensionally accurate to within very high tolerances. All our PA-Probes have markings that withstand ultrasonic cleaning. Our WHO Periodontal Probes have spherical tips.

#### They are particularly ideal for:

- determining papillary
- bleeding indices, and their "stops" (the balls on their tips) prevent injuries when measuring the depths of pockets, i.e., they are more atraumatic than other types of PA Probes.



**24.453.15** Furcation Probe by Nabers

with graduation, double-ended, rolled, 5.5 mm

**24.453.03** CP 11.5 (WHO)

graduation 3.5/5.5 / 8.5/11.5 mm

**24.453.12** CPG 12

graduation 3/6 / 9/12 mm

**24.453.22** CPN 22

graduation 2/4 / 6/8/10/12 mm

**24.453.23** University North Carolina, CNC

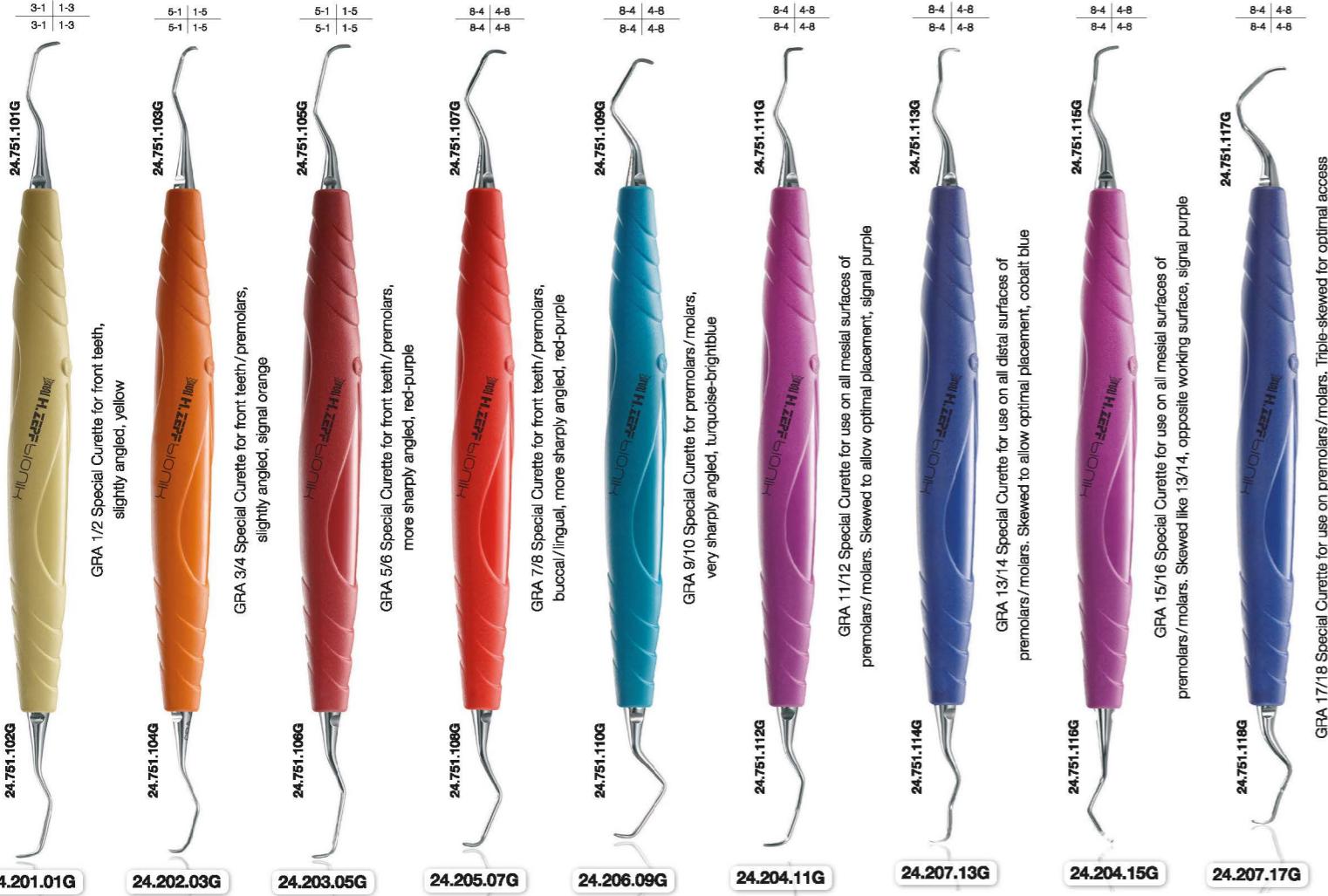
graduation 1 - 15 mm, in mm steps



## GRACEY SPECIAL CURETTES

### ZEPF bionIK Gracey Special Curettes

**HELMUT ZEPF** Gracey Curettes are special Curettes that have just a single working surface or cutting edge, and are thus suitable for removing concrements or dental plaque only.



## UNIVERSAL TITANIUM CURETTES

## GENERAL DENTISTRY DEPARTMENT

# GENERAL DENTISTRY DEPARTMENT

# SICKLE SCALERS

**ZEPF bIONIK** Universal Titanium Curettes 

Universal Curettes with exchangeable, very delicate titanium inserts from **HEILNUT ZEPF**, to remove the accumulated plaque film on the implant necks. The titanium inserts are exchangeable.



# ZEPF Sharpening Stones

24.914.30

100 x 30 x 7/2 mm, wedge  
shape, medium

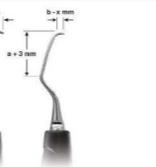


**4.914.40**

0 x 10 mm, round,  
medium

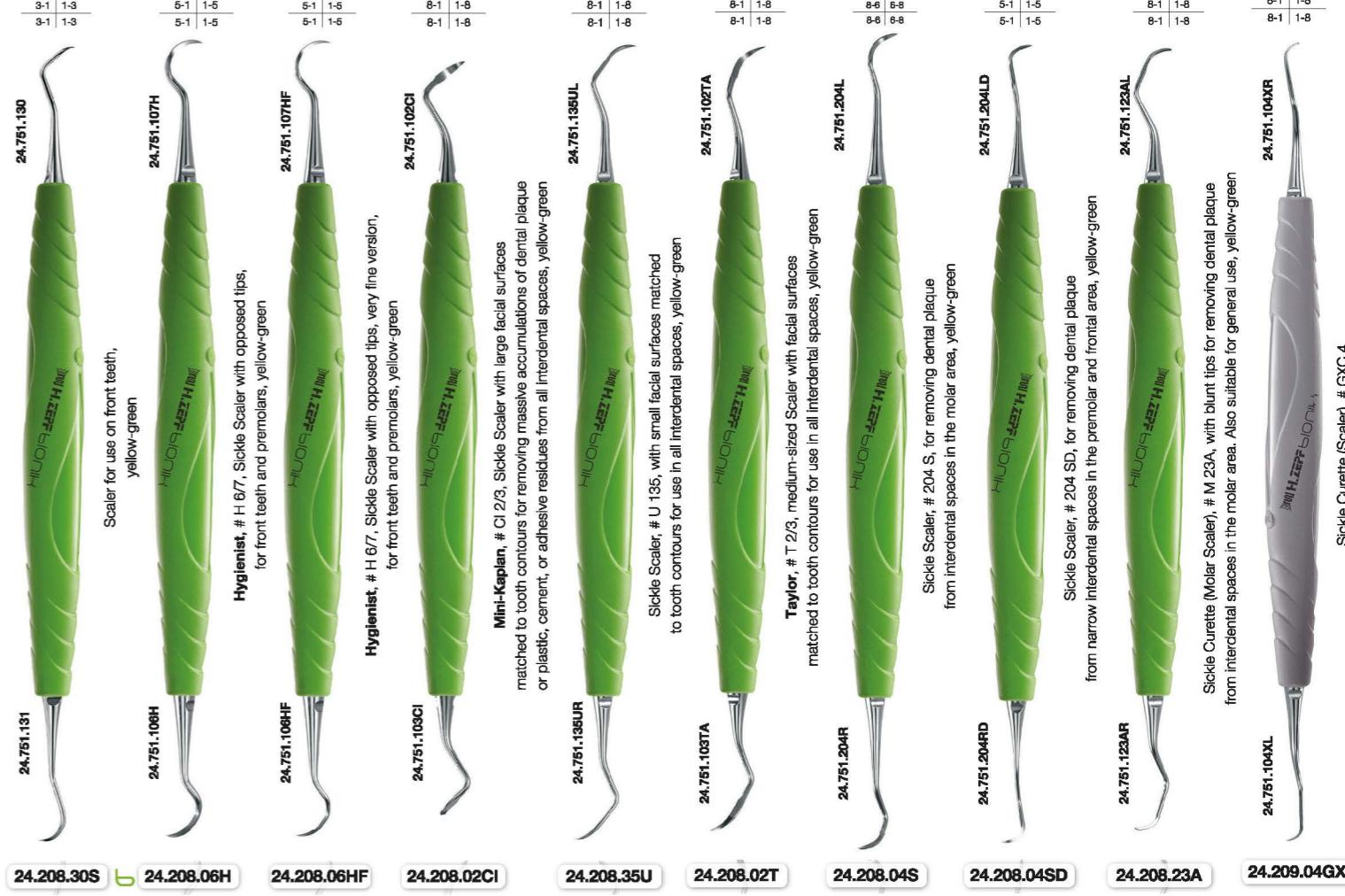
**EPF bionIK** M5 Titanium Curettes

**ELMUT ZEPP M5** Curettes have a 1st shaft which is about 3 mm longer. To remove the accumulated plaque film on the implant necks, the titanium inserts are exchangeable.



**ZEPF** bionik Scaler

**HELMUT ZEPF** Sickle Scalers have ultrafine tips for supragingival use. Unlike Jacquette scalers, they have curved facial surfaces. With blunt tips, for general use. All inserts are exchangeable.



**ZEPF** Sharpening Stones



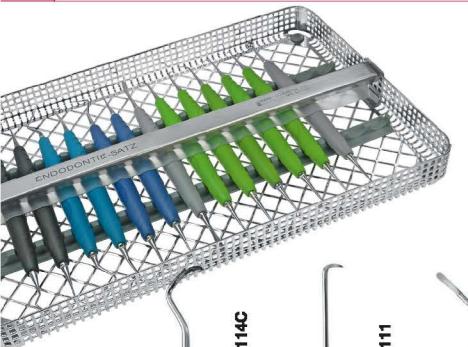
24.914.35

5 x 25 x 10 mm,  
t. medium



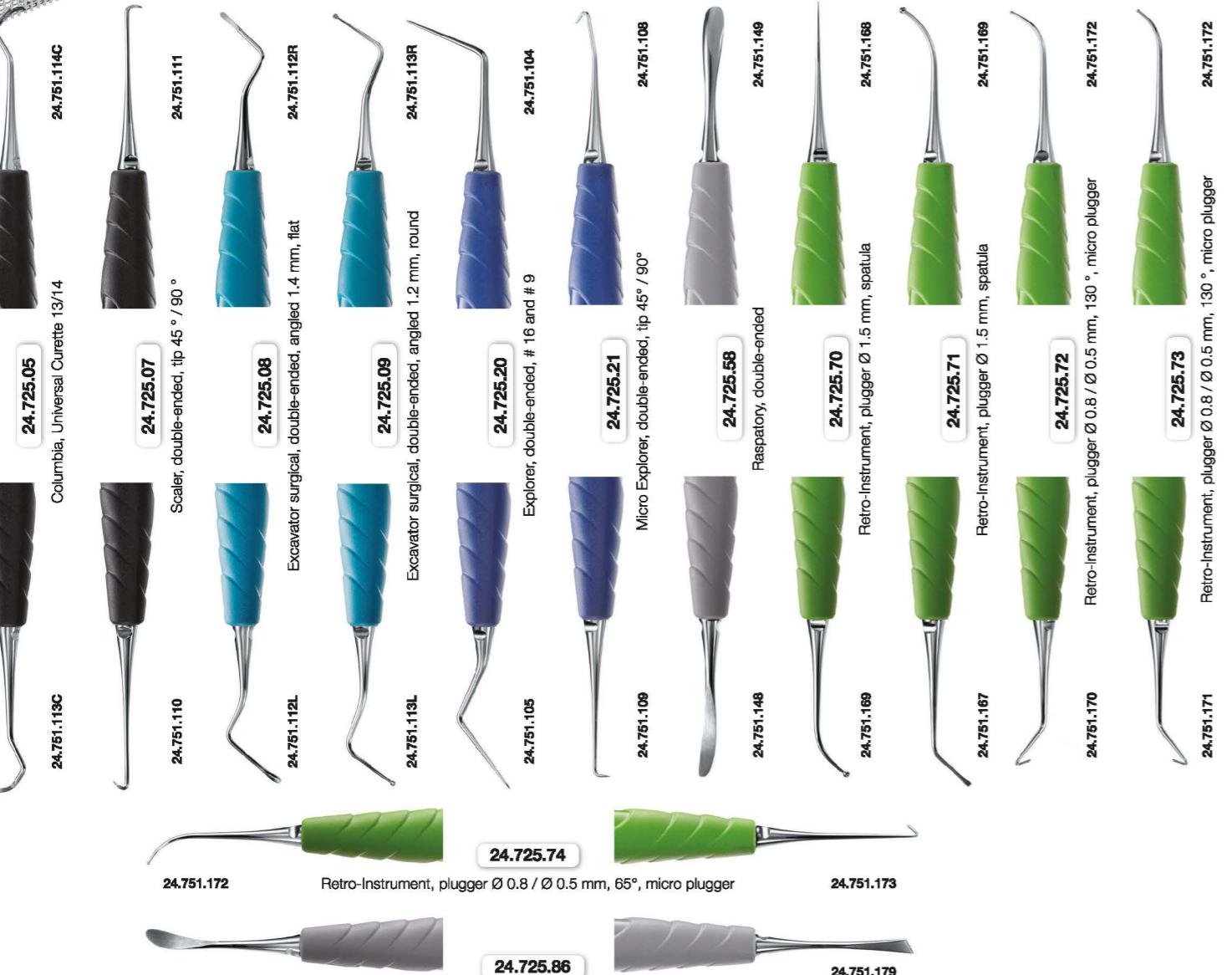
24.914.45

00 x 5 x 2 mm,  
conical, fine



24.725.00

**ZEPF bionIK**  
Complete Kit for the retrograde microsurgical technique in the endodontic field, incl. washtray  
The 'Endo' Set consists of the following instruments:



The HELMUT ZEPF Endo Set contains extremely fine working tips to ensure a safe access to the delicate root apex.

The ZEPF bionIK Handle is available in 10 different colors. See page 03-02 and 03-03 for article numbers of the different color and handle versions. **QUICKFIX**

## Nerve-Canal Pliers

19.561.13

## Nerve-Canal Pliers

Nerve-Canal Pliers for grasping fractured root-canal instruments or silver pins. The very fine, concave cutout on the working tip allows to remove even deep-lying fractured files.



## Micro-Mirrors



Micro-Mirror with rhodium front surface coating, for a distortion-free mirror image, without double reflection.

The Micro-Mirrors are excellent aids in microsurgery and endodontics. Suitable for usage with enlarging glasses or OP-Microscopes.

All mirrors fit into commercially available mouth mirror handles with a diameter of M 2.5 mm (see page 02-02).

## ZEPF Photography and Cheek Retractor,

in the Onyx Version  
or stainless steel

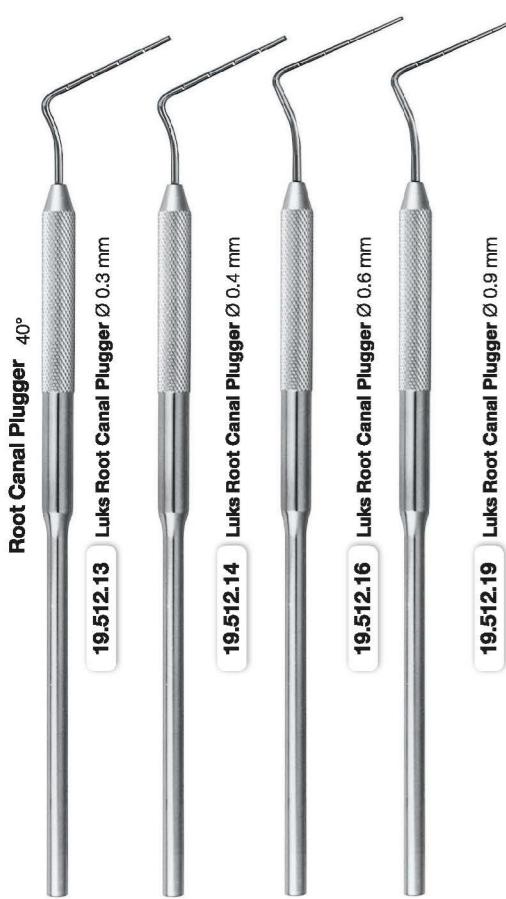
37.457.00T1  
1/1, Scale 1:137.457.00  
1/1, scale 1:237.457.01T1  
37.457.01

1/2 left, scale 1:2

37.457.02T1  
37.457.02

1/2 right, scale 1:2

## Root Canal Plugger 40°



## Root Canal Plugger 65°

Root Canal Spreader  
tip 23 mm

19.521.00 Root Canal Explorer DG 16 double-ended, round handle

Plunger for the vertical condensation technique in endodontics



## ZEPF bIONIK Composite Sets

## CompoSMOOTH

THE SURFACE IS THE KEY...



19.202.00

**CompoSMOOTH Complete**  
Set in the box incl. Washtray 1/3, with Brush Holder, 3 x 12 Soft Application Inserts and 4 Composite Instruments



26.120.10Ti # 1, Spatula 1.5 mm, small



26.120.12Ti Spatula 1.8 mm / Beavertail Insert 2.6 mm



26.120.25Ti # 1, Plunger Ø 1.5 mm / # 2, Plunger Ø 1.9 mm



19.201.11

19.201.21

19.201.31

26.120.321Ti



26.120.322Ti

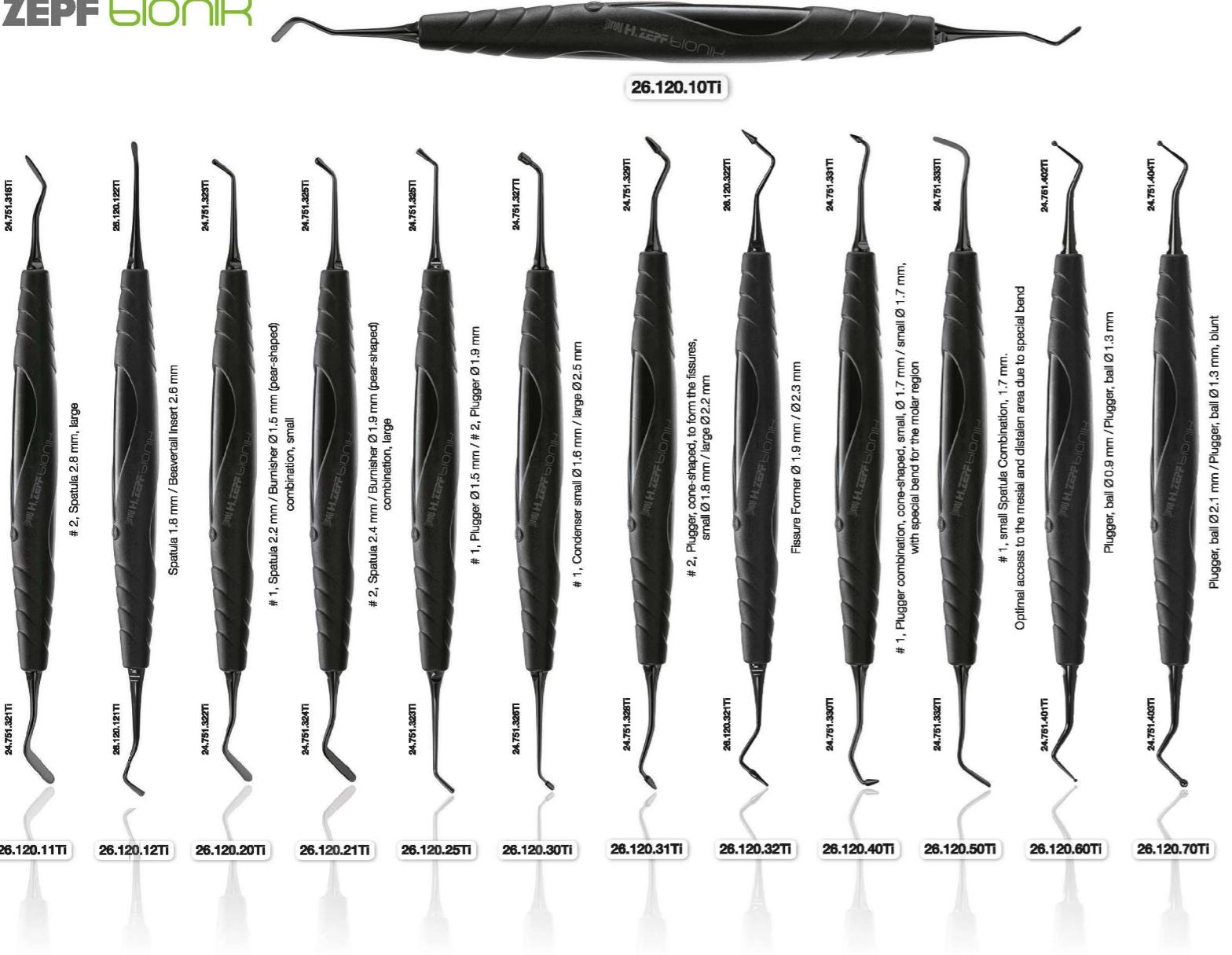
26.120.323Ti

26.120.324Ti

Brush Holder ZEPF  
-Line with push-out function

26.120.321Ti Fissure Former Ø 1.9 mm / Ø 2.3 mm

# Composite Sets **ZEPF** bionik



# Micro-composite Spatulas

superfine spatulas with ZEPF nanopal® coating



#### **MICRO COMPOSITE & EASY CONTACT POINT**



**Composites** are not easy to process. The modeling of clinically ideal contact points in particular is a big challenge for the practitioner. The Easy Contact Point Instruments will help to simplify this work step. These instruments are available in two sizes as pliers for MOD filling, i.e. as premolar and as molar pliers. To be used as hand instruments for MO or DO fillings. Also available in two sizes for premolars and molars. The treatment period for a composite filling can therefore be considerably reduced.

**ASY CONTACT POINT  
land Instrument**  
or premolars, for perfect  
orming of contact points  
n MO or DO restorations



**EASY CONTACT POINT  
MOD Pliers**  
or perfect forming of  
contact points while  
preparing a composite  
restoration



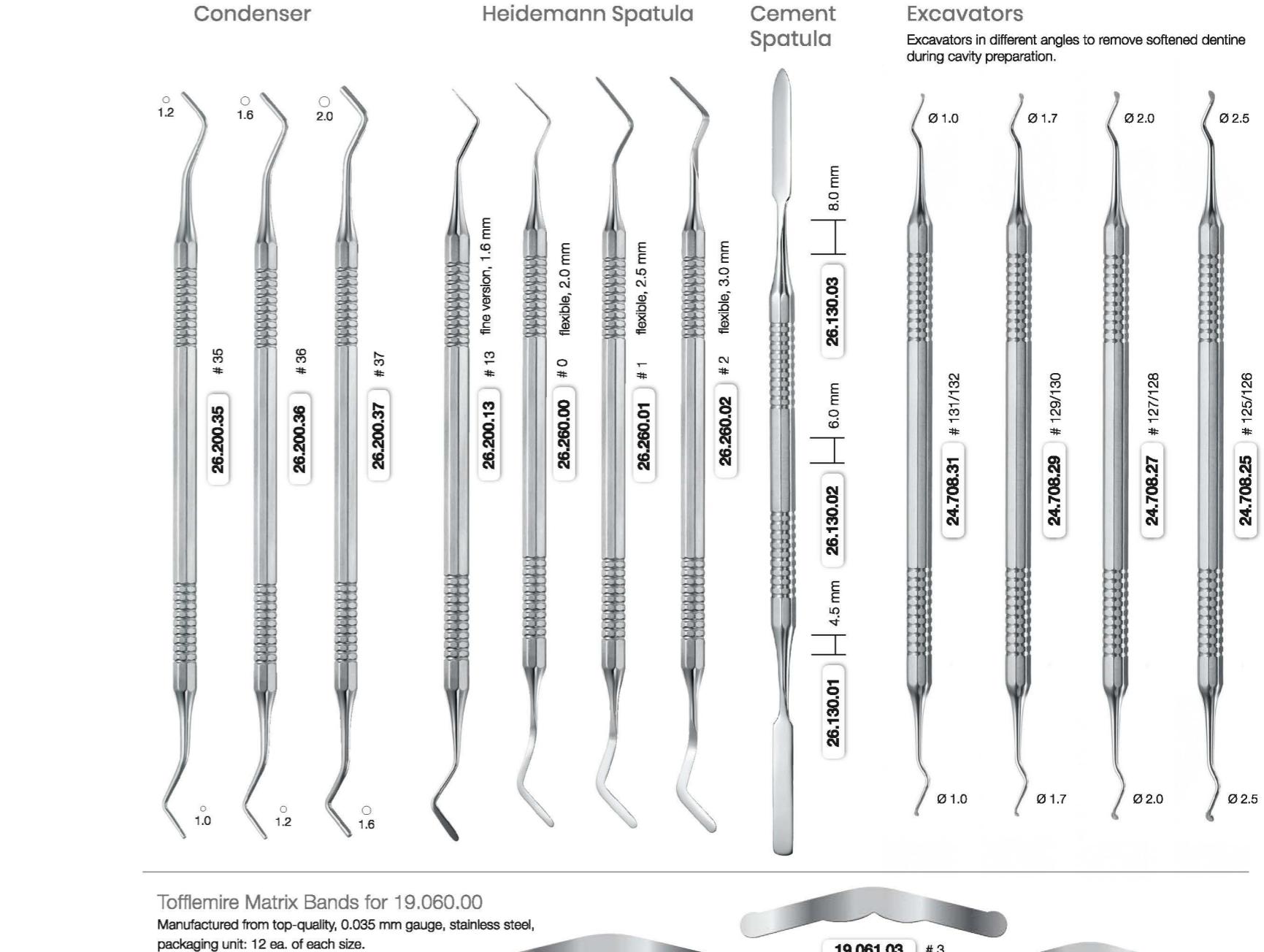
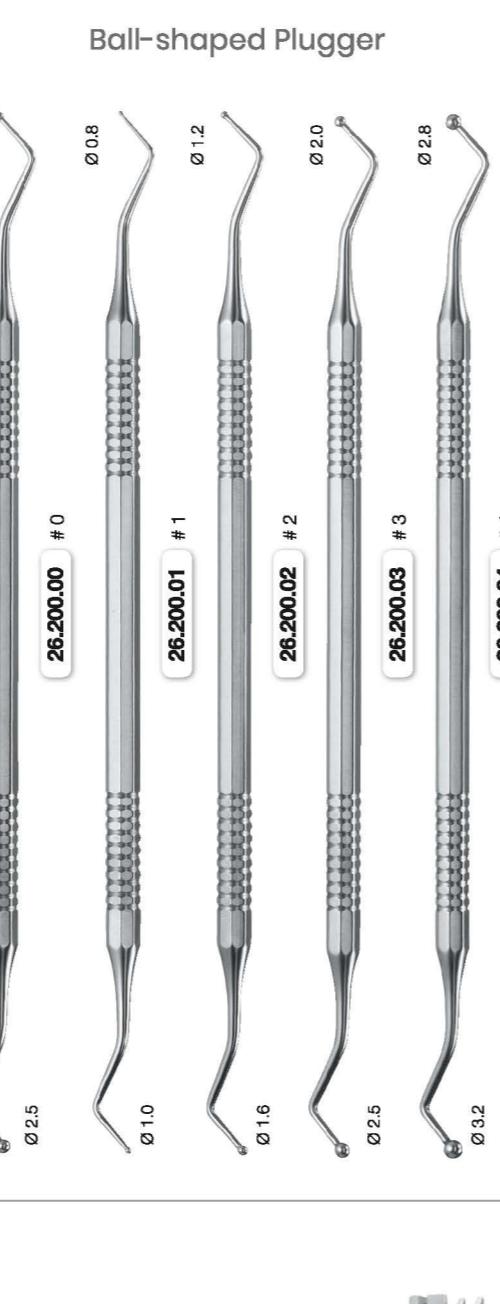
**26.122.00**

OD Pliers for premolars

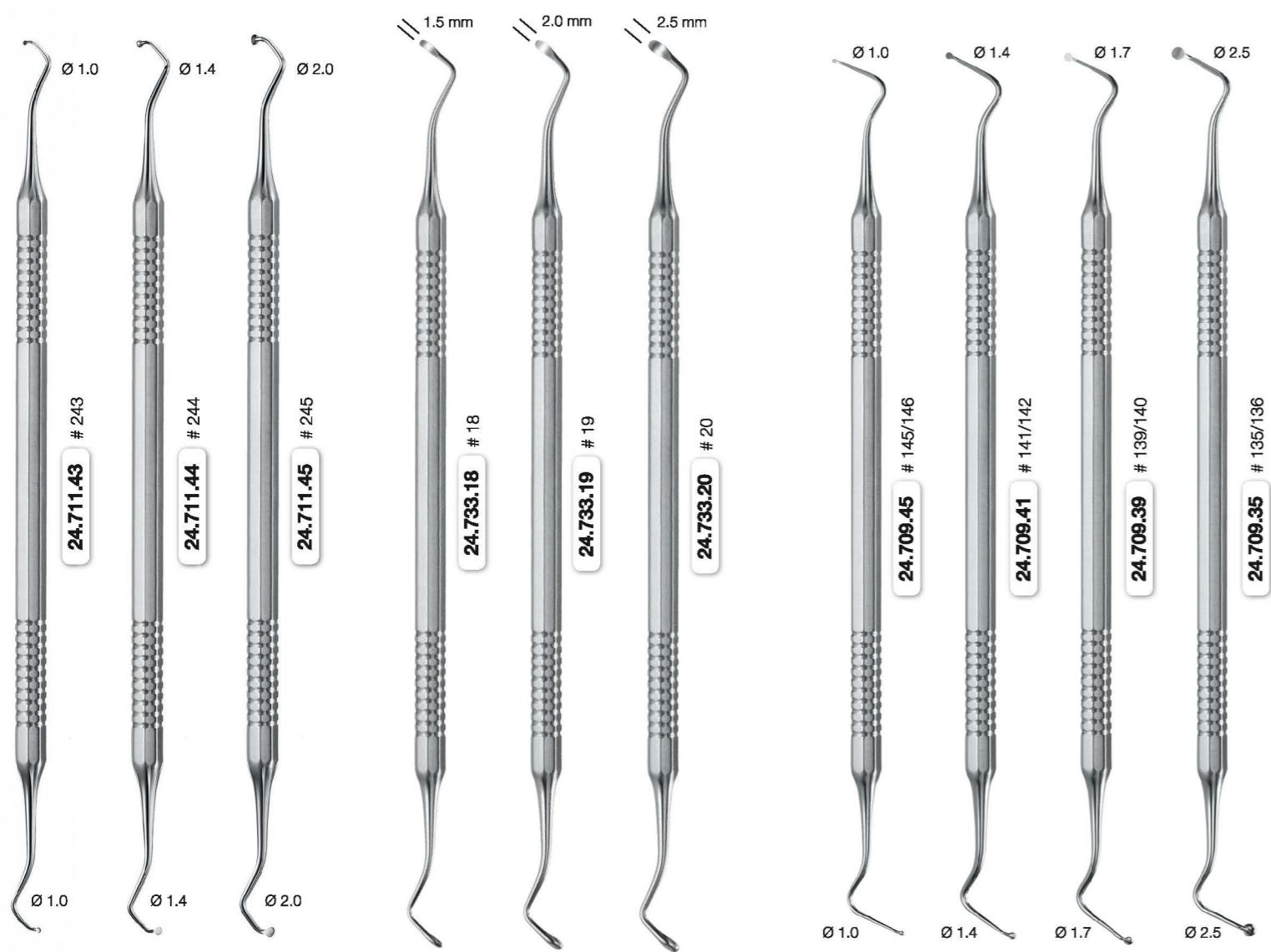
26.122.10

#### MOD Pliers for molars

## AMALGAM INSTRUMENTS



## Dental Excavators

Perforated Anatomic  
Ehricke for Upper Jaw  
Regulars (BO)

A-Silicone putties can be applied in perforated impression trays, as the perforation intensifies the rotation of the material in the impression tray.

**28.601.00**

a = 55 mm,  
b = 39 mm,  
SUP B0

**28.601.01**

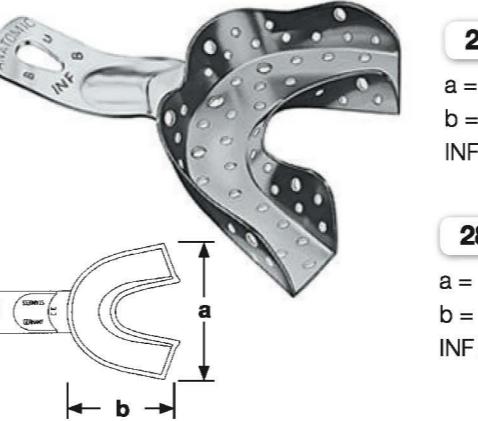
a = 65 mm,  
b = 52 mm,  
SUP B1

**28.601.03**

a = 73 mm,  
b = 63 mm,  
SUP B3

**28.601.04**

a = 80 mm,  
b = 73 mm,  
SUP B4

Perforated Anatomic  
Ehricke for Lower Jaw  
Regulars (BU)

**28.606.00**

a = 61 mm,  
b = 44 mm,  
INF B0

**28.606.01**

a = 72 mm,  
b = 51 mm,  
INF B1

**28.606.03**

a = 82 mm,  
b = 58 mm,  
INF B3

**28.606.04**

a = 83 mm,  
b = 65 mm,  
INF B4

## Impression for Partial Impressions

**28.661.01**

# L1, A = 46 mm

**28.662.01**

# R1, A = 46 mm

**28.661.02**

# L2, A = 50 mm

**28.662.02**

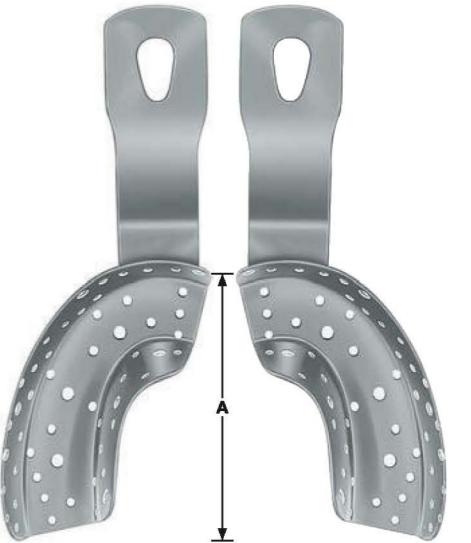
# R2, A = 50 mm

**28.661.03**

# L3, A = 55 mm

**28.662.03**

# R3, A = 55 mm



Stolley with screw

**28.671.00**

perforated

Stolley with bolt

**28.681.00**

perforated





In modern dental treatment, implantology following extraction is increasingly favoured. Consistent with the principle of minimal invasion, conserving soft and hard tissue structures is a must. Starting with extraction.

The modified Benex® II guarantees a gentle and simple extraction of roots in the whole mouth. It is nearly impossible to harm the soft tissue and the surrounding bone. Due to the longitudinal extraction, Benex® II is an optimal basis for direct implantation. It is also a valuable help for retarded implantation after the extraction with the Benex® II system. Studies made after the use of Benex® II prove that the reossification of the extraction alveole is advancing optimally. This is a great advantage for the retarded implantation.

The new Benex® II is now available in a washbasket complying with the RKI guidelines. That way, the requirements of optimal cleanability and sterilization were taken into account. You will find further information, application examples and the Benex® user forum at:

[www.benex-dent.com](http://www.benex-dent.com)

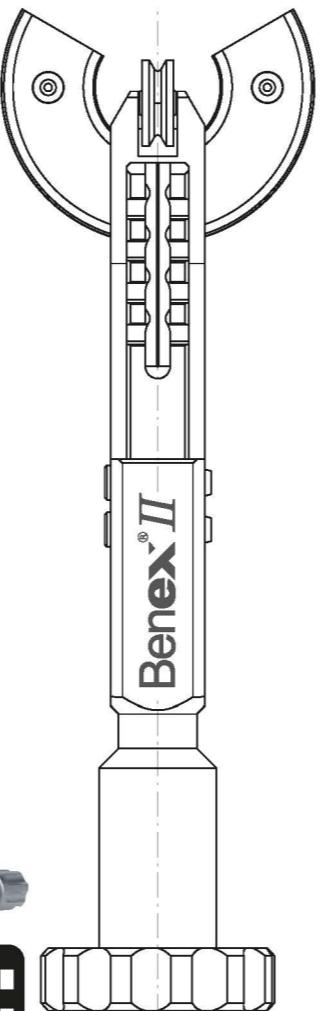
### Benex® II Pole Extractor

The patented supplement



**12.300.11**  
Benex® Pole Extractor

For roots with a strong decline to the occlusion level and / or inappropriate access for the positioning of the Benex® extractor. For poorly anchored root / tooth fragments.



### 12.303.00 Basic Kit

Benex® II Basic Kit, consisting of:

Benex® II Extractor, 2 Pullropes 48 mm, Driver Guide, Screw short 1.6 mm + 2.1 mm, Screw long 1.6 mm + 2.1 mm, 1 Drill ea. for 1.6 mm + 2.1 mm Screws, Quadrant Support, 1/2 Washbasket with Lid 85.194.10

**12.300.80**  
Quadrant Support for Benex® to bridge over bigger gaps and for universal molding



**12.300.15**  
Replacement Support Disc, 8 mm (PTFE)



**12.300.17**  
Support Disc, diagonally left



**12.300.16**  
Support Disc, diagonally right



**12.300.20**  
Pullrope, 48 mm, PU: 2 pieces



**12.300.30**  
for Screws Ø 1.6 mm  
12.300.60 and 12.300.70



**12.300.60**  
Ø 1.6 mm, S = Short



**12.300.70**  
Ø 1.6 mm, L = Long



**12.300.65**  
Ø 2.1 mm, SF = Short & Fat



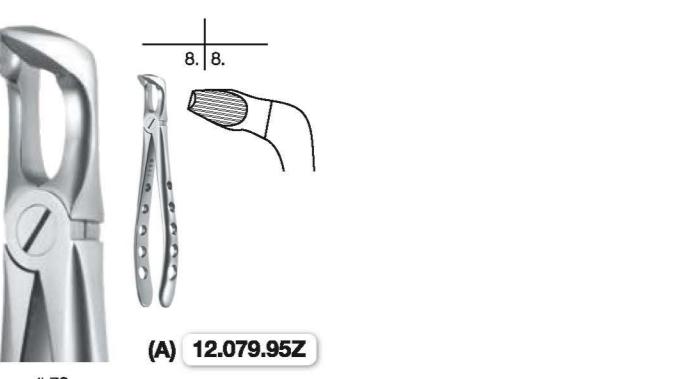
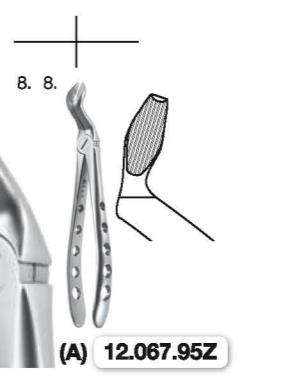
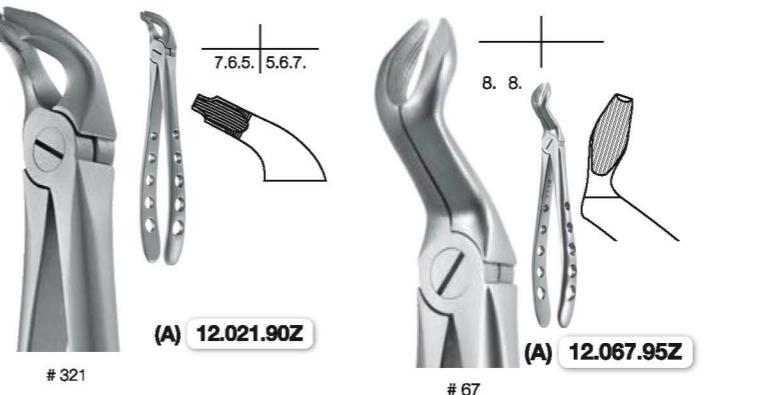
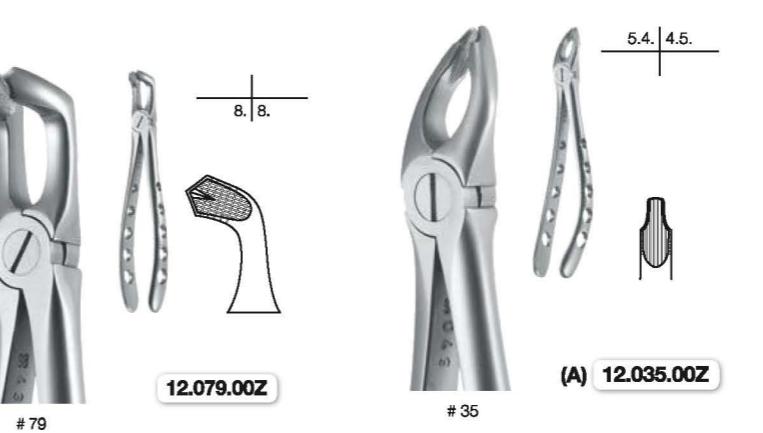
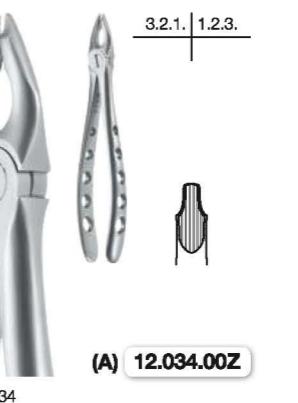
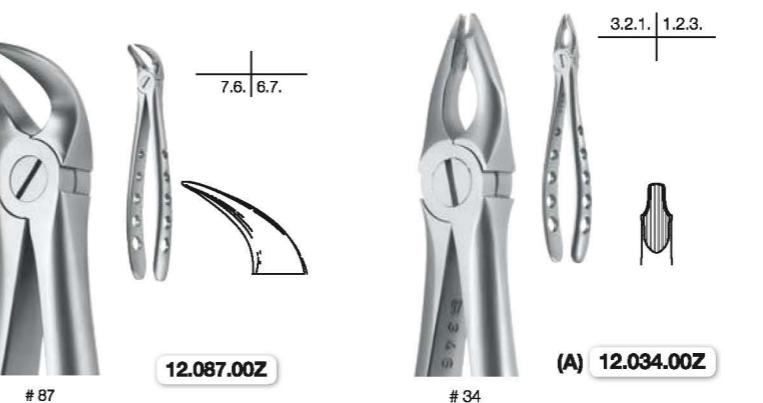
**12.300.75**  
Ø 2.1 mm, LF = Long & Fat

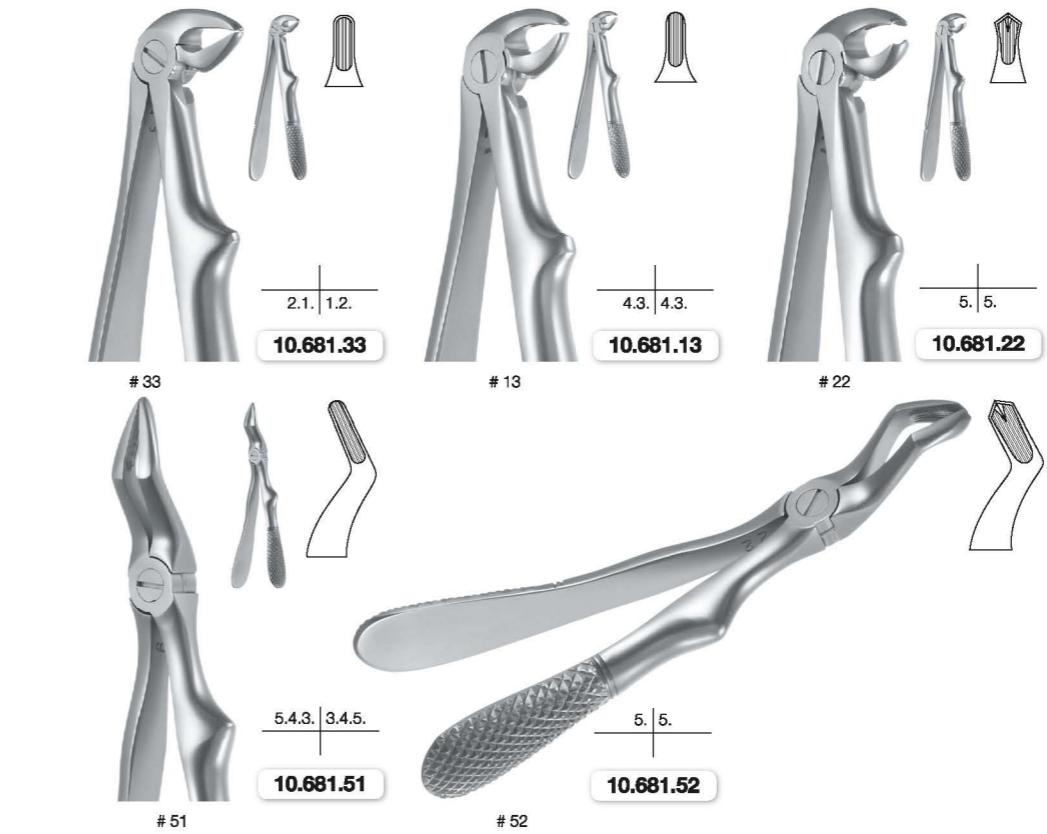
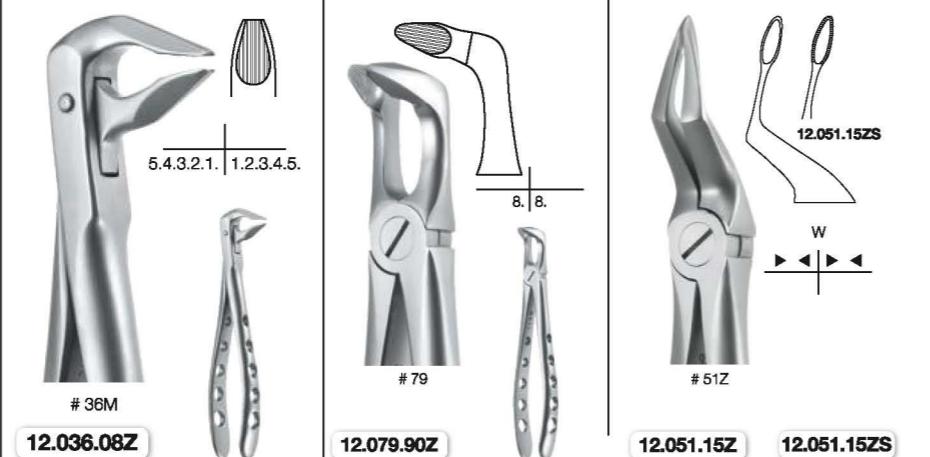
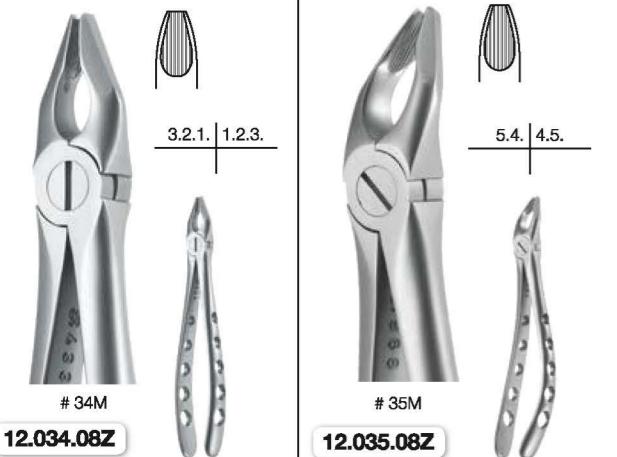
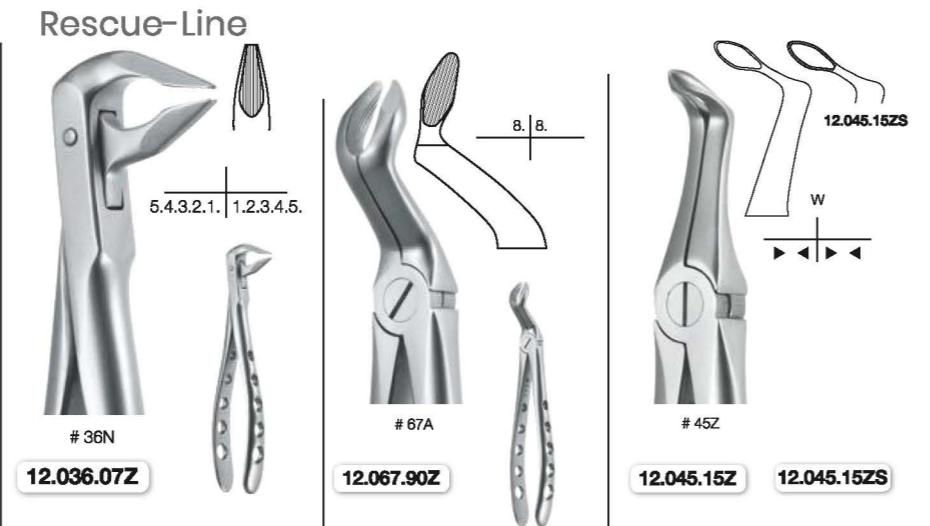
## EXTRACTION FORCEPS

### GENERAL DENTISTRY DEPARTMENT

### GENERAL DENTISTRY DEPARTMENT

## EXTRACTION FORCEPS





### Witzel All-Purpose Root-Splinter Forceps

diamond-tipped

Our special forceps for extracting root splinters from both upper and lower jaw have diamond-tipped jaws for the best possible grip, and are the ideal complement to our Rescue-Line.

If their diamond tips should ever become worn, simply contact our retipping service, who will put new diamond tips on them for a fixed charge.



**14.700.01Z**

**14.700.01**



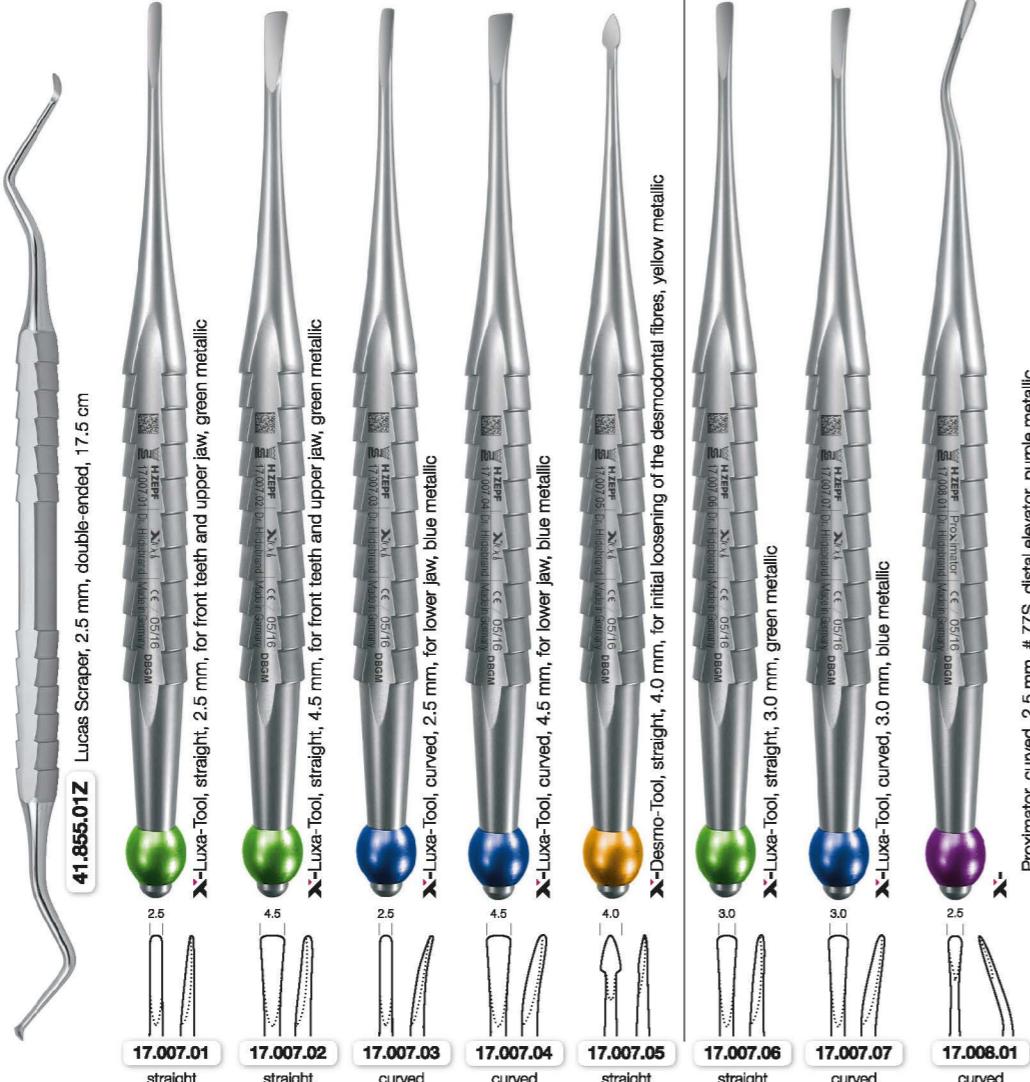
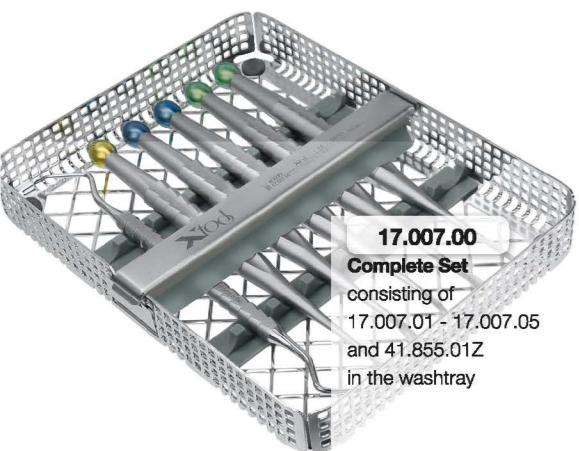
## ZEPF-Xitod-Tray

DBGM by Dr. Detlef Hildebrand

**"Extraction in its most pleasant way"**

The ZEPF-Xitod-Tray offers a universal instrument set for medical tooth extraction.

The Xitod instrumentation includes six different instruments:



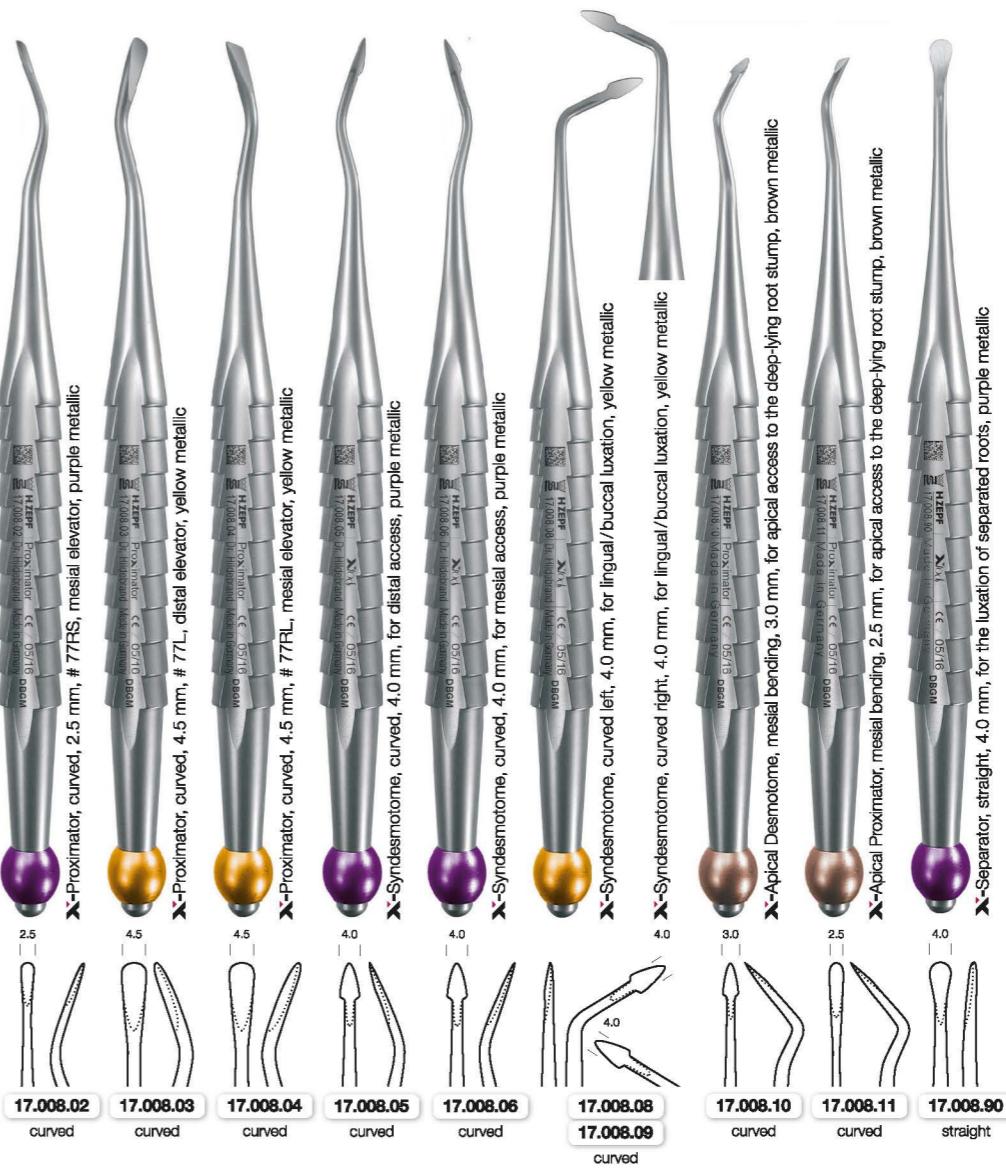
## Elevators

DBGM by Dr. Detlef Hildebrand

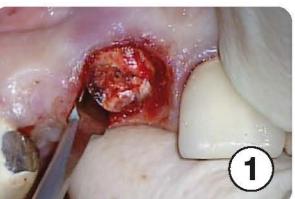


## Elevators

DBGM by Dr. Detlef Hildebrand



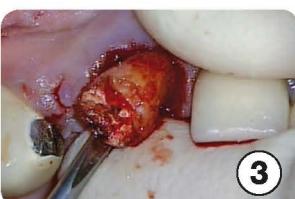
- Color coding for clear handling.
- Universal and complete extraction instruments in one tray.
- Direct and controlled power transmission to prevent tooth and root fractures.
- Ergonomic handle design (pencil-design) prevents unintended slipping during usage.
- Non-traumatic tooth extraction without injuring surrounding structures.



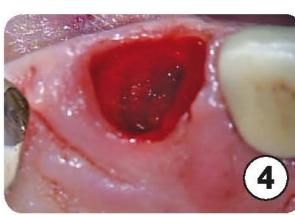
1



2

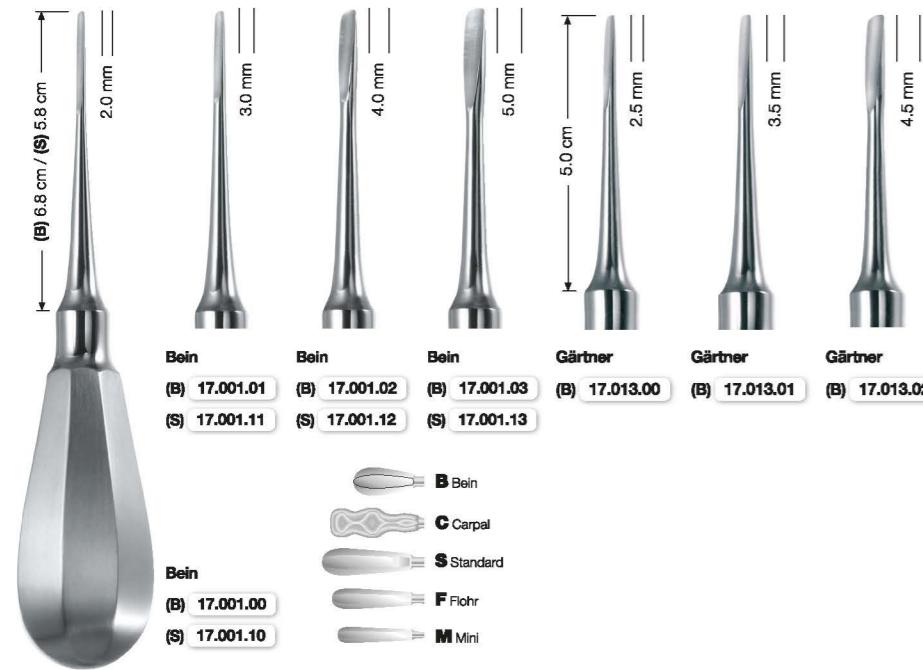


3



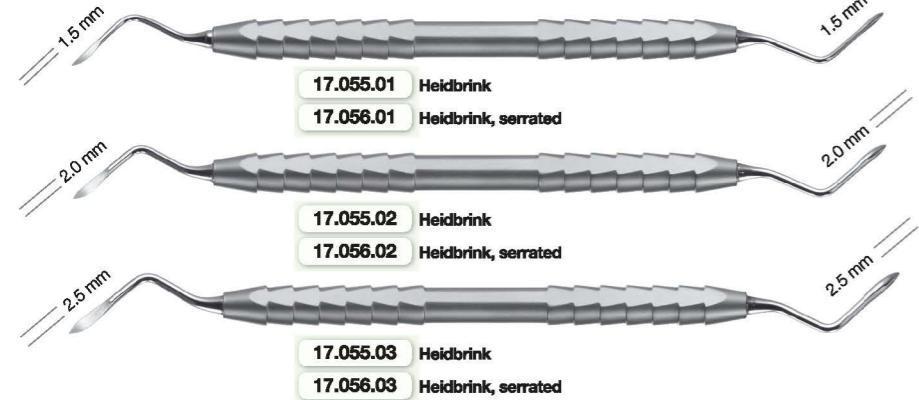
4

## Root Elevators



### ZEPF-Line Heidbrink Root-Splinter Elevators

The fine working tips of the Heidbrink Root-Splinter Elevators allow the palpation and mobilization even of small root remnants.



### Heidbrink Root-Splinter Elevators

#### Straight (without picture):

|     |           |
|-----|-----------|
| (M) | 17.051.01 |
| (S) | 17.052.01 |

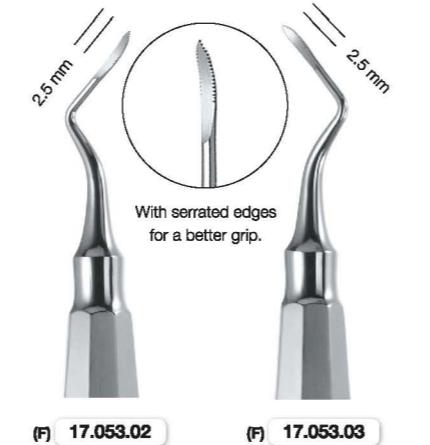
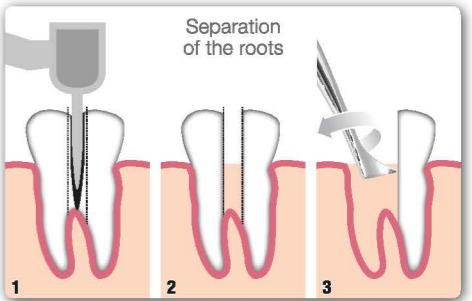
#### Angled:



## Root Elevators



Claw elevators are ideal to extract molars in the mandible after separation of the roots.



**ZEPF FLEX-EX** Power Periotome

26.690.10 ZEPF FLEX-EX Power Periotome

While using new materials, we were successful in the development of the **ZEPF FLEX-EX** Power Periotome, a symbiosis of Power Periotome, Elevator and Xtool.

The flexible working tip will enable you to build up a phenomenal pressure for the luxation in a radial direction and a perfect match to the contour of the tooth at the same time without bending. The name stands for the excellent product features united in this instrument.

**ZEPF Power Periotome**

The Power Periotomes allow a gentle loosening of ligaments in the sulcus. The handle allows optimal power transmission and controlled luxation.

26.690.01 Power Periotome, P1 XL, purple



26.690.02 Power Periotome, P2 XL, mesial, blue



26.690.03 Power Periotome, P3 XL, distal, green

**ZEPF -Line 2 in 1 Periotomes**

The 2 in 1 Periotomes acc. to Dr. Karl-Ludwig Ackermann are saving time as they are reducing the annoying exchange of instruments.

**ZEPF -Line Periotomes**

For the Separation of the Sharpey's Fibers in the Sulcus



26.182.23 Periotome Combination P2/P2

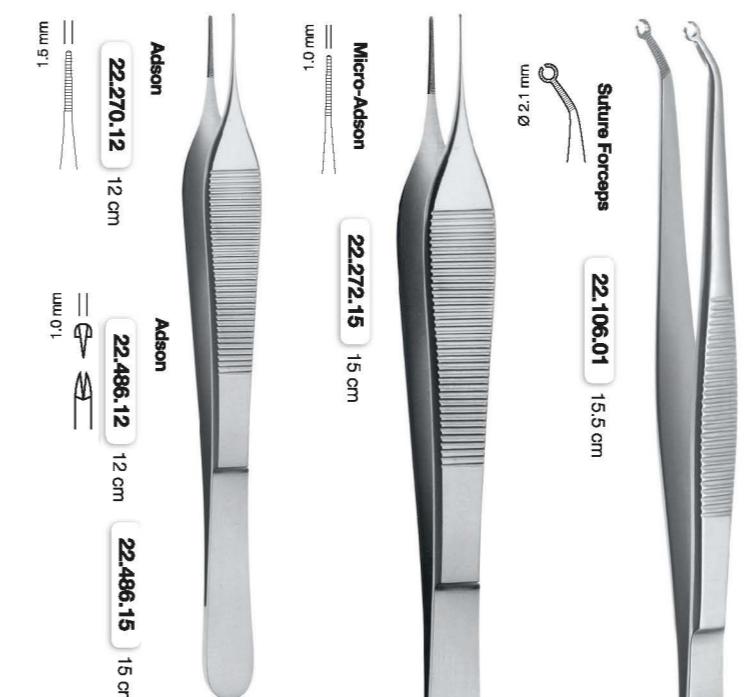
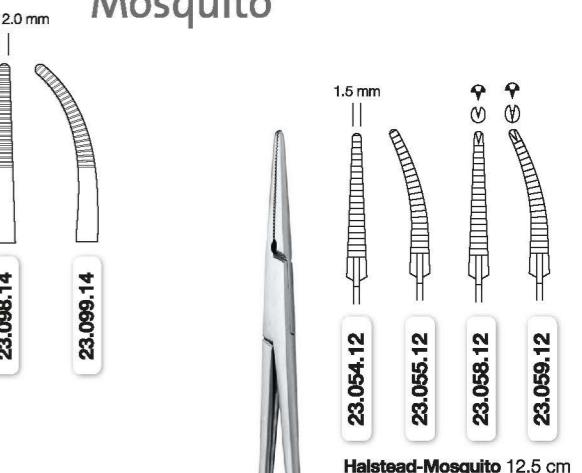
ZEPF -Line, double-headed retractable instruments

26.182.11 ZEPF -Line, retractable

26.182.12 ZEPF -Line, retractable

26.182.13 ZEPF -Line, retractable

26.182.23 ZEPF -Line, retractable

**Tissue Foceps**Vestibulum  
Retractorby Dr. Müller, Tuttlingen  
**37.444.01**Working end made of stainless steel,  
handle M4.5 mm, Dr. Ti, made of titanium.**Kim Retractor**Retractor acc. to Kim,  
flat, 45° angled,  
10.5 mm wide**37.446.04****Mosquito**

23.098.14  
23.098.12  
23.058.12  
23.058.11  
23.054.12  
23.054.11  
23.054.10

Halstead-Mosquito 12.5 cm

**Lucas Scraper**  
double-ended, 17.5 cm



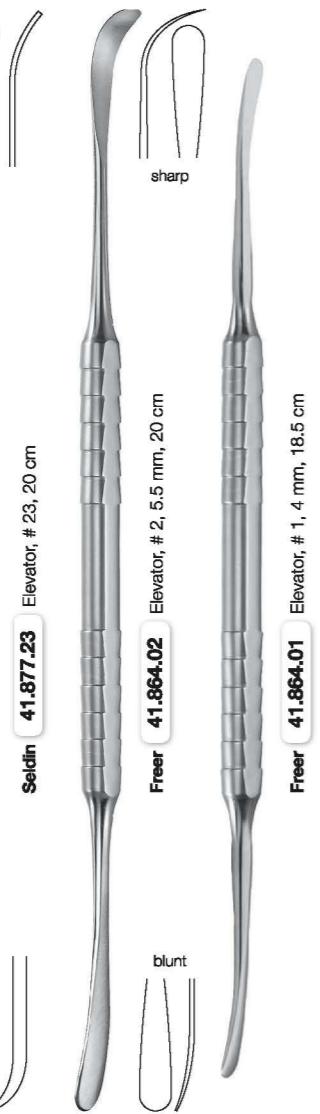
Lucas **41.855.00Z** Scraper, 1.5 mm

Lucas **41.855.01Z** Scraper, 2.5 mm

Lucas **41.855.02Z** Scraper, 3.0 mm

Lucas **41.855.04Z** Scraper, 5.0 mm

**Elevators**



Seldin **41.877.23** Elevator, # 23, 20 cm

Freer **41.864.02** Elevator, # 2, 5.5 mm, 20 cm

Freer **41.864.01** Elevator, # 1, 4 mm, 18.5 cm

Molt **41.862.11** Raspatory, # 1, 17.5 cm

Molt **41.862.12** Raspatory, # 2, 17.5 cm

Molt **41.862.13** Raspatory, # 3, 17.5 cm

41.864.13 Raspatory, ZEPF-Line

41.864.60 Raspatory, ZEPF-Line

**ZEPF -Raspatories**

**Prichard**

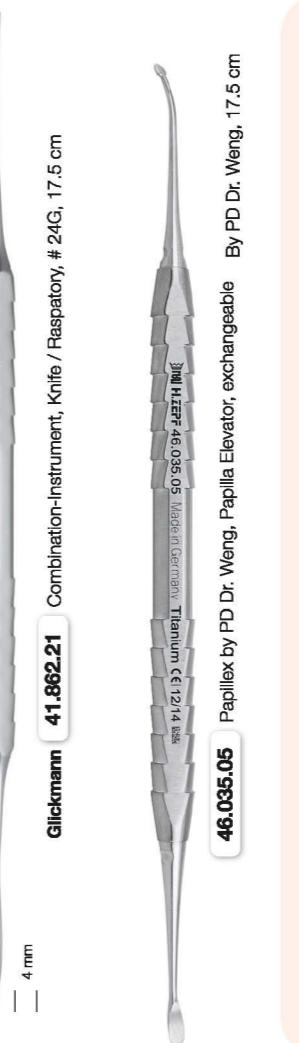


Prichard **41.878.11** Raspatory, PPR3, Retractor straight, 17.5 cm

Prichard **41.878.12** Raspatory, PPR3, Retractor 30° angled, right

Prichard **41.878.13** Raspatory, PPR3, Retractor 30° angled, left

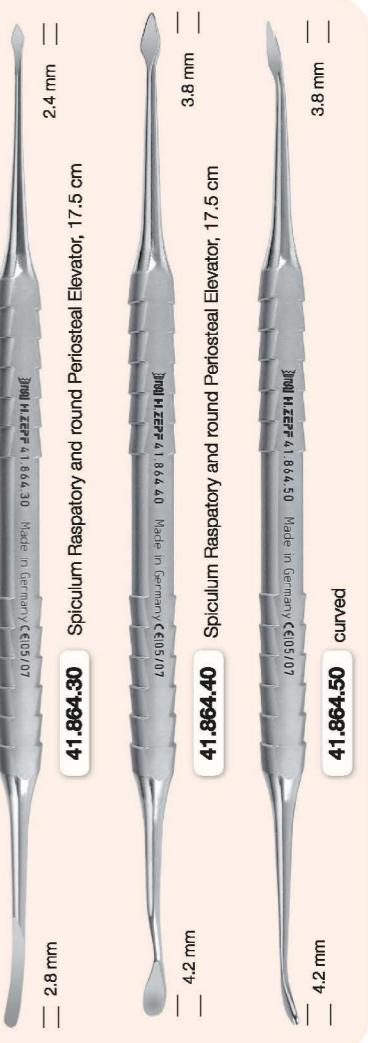
**Glickmann**  
**Papilla  
Elevator  
ZEPF**



Glickmann **41.862.21** Combination-Instrument, Knife / Raspatory, # 24G, 17.5 cm

46.035.05 Papillex by PD Dr. Weng, Papilla Elevator, exchangeable By PD Dr. Weng, 17.5 cm

**Raspatories**



**41.864.30** Spiculum Raspatory and round Periosteal Elevator, 17.5 cm

**41.864.40** Spiculum Raspatory and round Periosteal Elevator, 17.5 cm

**41.864.50** curved

**Micro Friedmann  
Micro Bone Rongeur  
Forceps**



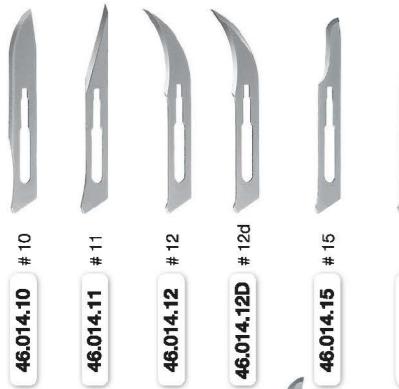
**42.315.16** 30°, 15.5 cm

**42.316.15** 90°, 14.5 cm

Micro Friedmann Bone Rongeur Forceps

## Scalpel Blades

Supplied in packs of 100 pieces, sterile



46.010.03 Scalpel Handle, # 3, massive, 12.5 cm

46.007.00 Scalpel Handle ZEPF-Line, straight, for blades # 10-15, 14.5 cm

46.007.01 Scalpel Handle, ZEPF-Line, angled, for blades # 10-15, 14.5 cm

46.013.00Z Micro Surgical Scalpel Handle, titanium, ZEPF-Line, 13.5 cm | 46.013.05 stainless steel

## Micro Surgical Scalpel Blades

Supplied in packs of 25 pieces, sterile



46.016.03

46.016.04

46.016.07

46.016.09

46.016.00 \*46.017.00

reusable,  
PU 6 pieces

## ZEPF 3D-Blade Holder

## 3D-Blade Holder

Our HELMUT ZEPF 3D-Blade Holder will allow you to position blades easier than ever before!

In designing this blade holder, particular attention was devoted to make it easy to use, clean and sterilize.

## 46.007.05

3D-Blade Holder Handle  
ZEPF-Line, 12.5 cm

## 46.007.50

Pivoted Head for 3D-Blade Holder,  
exchangeable, incl. Allen key M2.5

## 46.007.10

3D-Blade Holder Handle  
with Pivoted Head, 12.5 cm

## Attachments by Dr. Hildebrand, Berlin

## Blade Holder

## 46.007.20

for standard blades # 10-15

## Gingiva Retractor

## 46.007.30

## 46.007.31

small

big

## Surgical scissors

Iris Scheren  
extra large rings, 11.5 cmcurved:  
46.051.1146.051.11SC  
46.051.11TC  
46.051.11TISCstraight:  
46.050.1146.050.11SC  
46.050.11TC  
46.050.11TISCSurgical Scissors  
# 3, straight, pointed / pointed

13 cm: 46.404.13

14.5 cm: 46.404.14

Kelly Scissors  
curved, serrated, 16 cm

46.077.16

46.077.16SC  
46.077.16TC  
46.077.16TISC

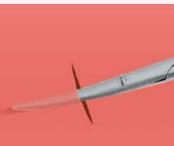
serrated edge

serrated edge

serrated edge

## Fine Preparation Scissors

The curved blunt Preparation Scissors are used for preparation in the least traumatic way of separating tissue into connective tissue layers.

Beebee  
Crown Scissors, straight, pointed, 10 cmBeebee  
Crown Scissors, curved, pointed, 10 cm

46.069.1



46.674.10



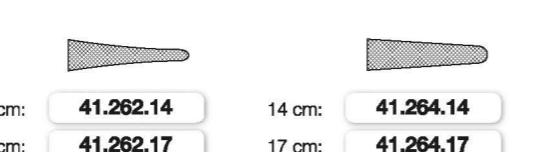
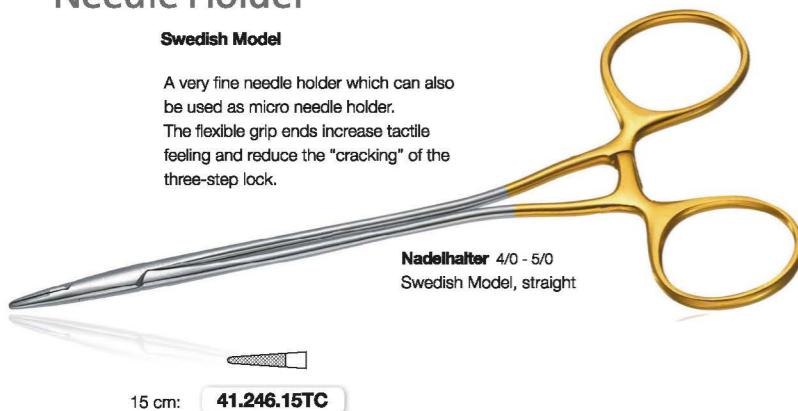
46.675.10



## Needle Holder

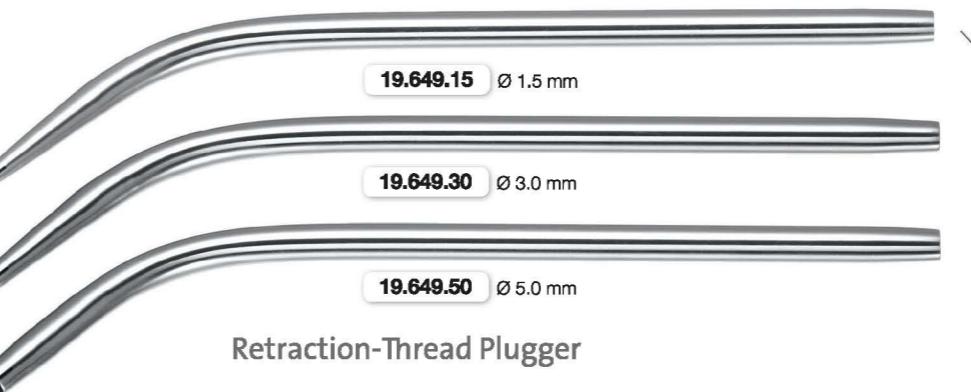
## Swedish Model

A very fine needle holder which can also be used as micro needle holder. The flexible grip ends increase tactile feeling and reduce the "cracking" of the three-step lock.



## Surgical Aspirators

Curved, with slot against sucking in, 17.5 cm



## Retraction-Thread Plugger

The ergonomic curve of the instrument tips allows plugging of the thread even in difficult spots.

The notch at the tips make it substantially easier to tie the thread around the tooth, the thread remains in the pocket and does not stick to the instrument.

The plugger is made out of stainless steel and has the new ZEPF bIONIK Handle.



## Syringes and Cannulas

## 19.700.10

Cream Cannula,  
1 mm, including catch  
and cleaning mandrel

## Frazier

Suction Cannula, 18 cm

## 19.641.02

Ø 2 mm

## 19.641.03

Ø 3 mm

## 19.700.00

Adjusting Screw with  
slot, compatible for all  
cartridge syringes

## 19.700.05

Adjusting Screw  
for cream cannula

## 19.710.18

Cartridge Syringe  
Breech-Loading-System,  
3 aspiration hooks,  
1.8 ml, with ring

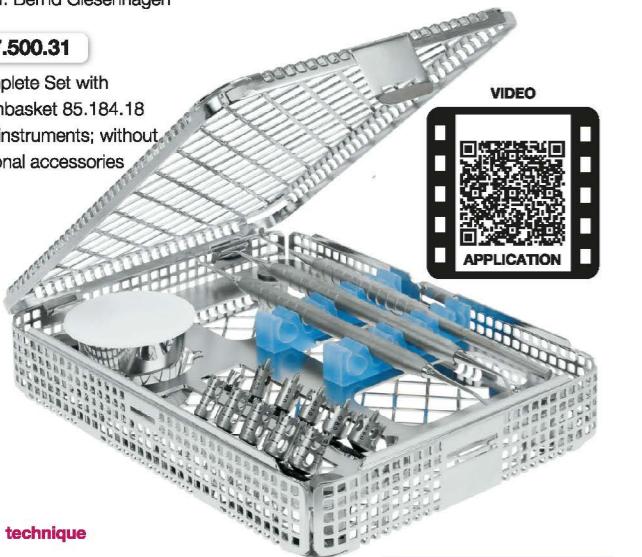
## 3D BONE RING

## Augmentation &amp; Implantation

by Dr. Bernd Giesenhausen

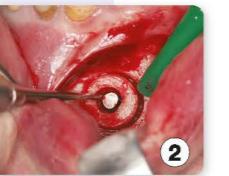
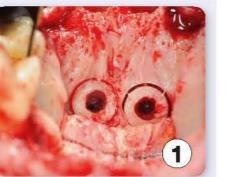
47.500.31

Complete Set with washbasket 85.184.18 and instruments; without optional accessories



## technique

Particularly suitable for the vertical augmentation of the highly atrophied and distal mandible (pic. 2). With this newly introduced technique, perfectly fitting ring-shaped bone transplants are removed from the chin-, retro-molar region or from the palatal area (pic. 1) by means of trephines and fixed immediately in the receiving area (pic. 3) with a screw implant.



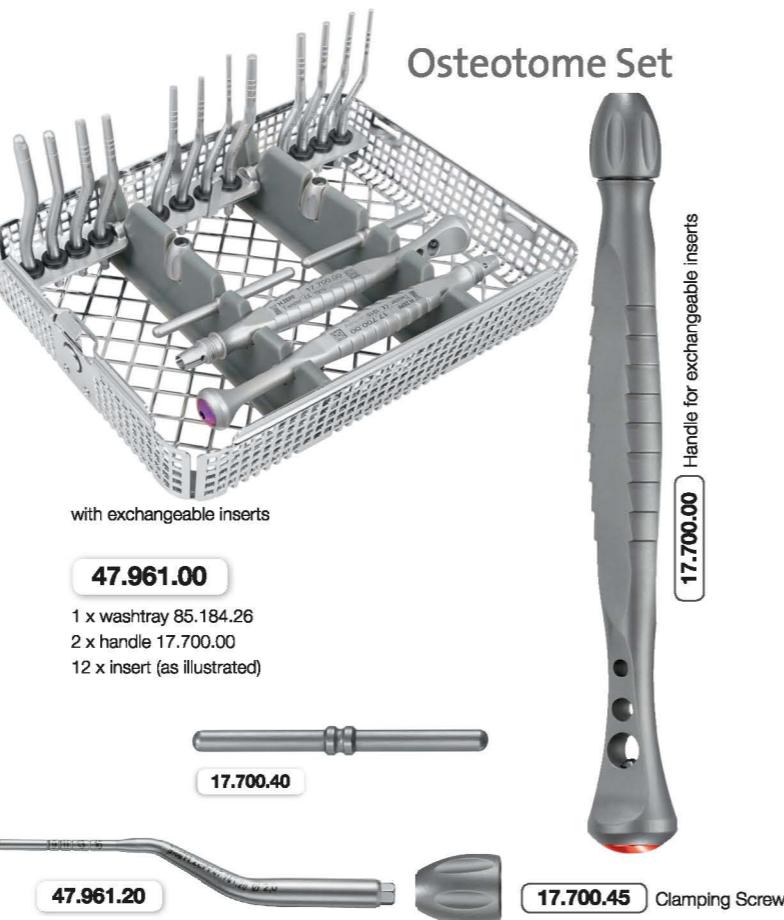
## Application

The local cortical bone structure with spongy parts of vital cells guarantees a safe fixation with short healing time.

The filling of possibly existing cavities is usually made by spongy chips taken from the donor area or by bone substitutes.

For an additional coverage of the augmented area with a barrier membrane we recommend our HELIUM ZEPF Augmentation Kit 47.966.00.

## Osteotome Set



Handle for exchangeable inserts

47.961.00

1 x washtray 85.184.26  
2 x handle 17.700.00  
12 x insert (as illustrated)



17.700.40



17.700.20



17.700.45 Clamping Screw

| convex    | concave   | measure        | depth                 | grading    |
|-----------|-----------|----------------|-----------------------|------------|
| 47.961.20 | 47.962.20 | Ø 2.0 mm       | 20 mm (for 2.0)       | 9/11/13/16 |
| 47.961.28 | 47.962.28 | Ø 2.0 - 2.8 mm | 20 mm (for 2.8)       | 9/11/13/16 |
| 47.961.33 | 47.962.33 | Ø 2.8 - 3.3 mm | 20 mm (for 3.3 / 3.8) | 9/11/13/16 |
| 47.961.38 | 47.962.38 | Ø 3.4 - 3.8 mm | 20 mm (for 4.3)       | 9/11/13/16 |
| 47.961.43 | 47.962.43 | Ø 3.9 - 4.3 mm | 20 mm (for 5.0 / 6.0) | 9/11/13/16 |
| 47.963.50 | 47.962.50 | Ø 5.0 mm       | 20 mm (for 5.0)       | -          |
| 47.963.60 |           | Ø 6.0 mm       | 20 mm (for 6.0)       | -          |

47.990.00

VGO Ost-Set – straight,  
**ANTERIOR VGO OST-Set**

with 7 straight screw osteotome inserts, numbered from 0-6

- Tips have first 8 mm threaded
- Produce micro cuts in bone
- Increased bleeding and better angiogenesis
- No malleting needed
- Tip-0 is unique in straight kit ( $\varnothing$  1 -  $\varnothing$  2 mm)
- Tip-0 to accommodate thin anterior ridges
- Provides precision marking tips for immediate placement

Included in both sets:



17.710.00

Z-Shape Universal handle & instrument holder for inserts with HEX-adapter, AF4, sandblasted, 2 pieces included in the set

## Application of the Precision Marking Tips

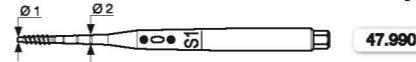
To be used during immediate placement surgery to initiate osteotomy offset towards palatal. Rotary drills usually slide down bone due to angle at which the osteotomy is initiated.

47.990.06 Precision Marking Tip, bent, scale 8/10/13/16 mm

47.990.08 Precision Marking Tip, straight, scale 8/10/13/16 mm

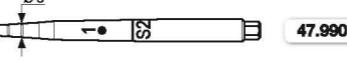
## Straight Screw Osteotomes in the VGO OST-Set

Exchangeable with Hex Connection for Z-Shape Universal handle



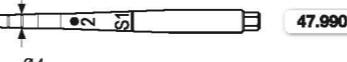
47.990.10

Screw Osteotome Insert straight, size 0, tapered Ø 1 - 2 mm, convex shank Ø 2 mm, scale 8/10/13/16 mm



47.990.20

Screw Osteotome Insert straight, size 1, tapered Ø 1 - 3 mm, convex shank Ø 3 mm, scale 8/10/13/16 mm



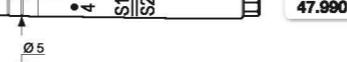
47.990.30

Screw Osteotome Insert straight, size 2, tapered Ø 2 - 3 mm, convex shank Ø 3 mm, scale 8/10/13/16 mm



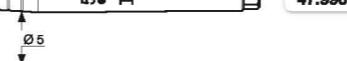
47.990.40

Screw Osteotome Insert straight, size 3, tapered Ø 2 - 4 mm, convex shank Ø 4 mm, scale 8/10/13/16 mm



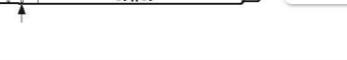
47.990.50

Screw Osteotome Insert straight, size 4, tapered Ø 3 - 4 mm, convex shank Ø 4 mm, scale 8/10/13/16 mm



47.990.60

Screw Osteotome Insert straight, size 5, tapered Ø 3 - 5 mm, convex shank Ø 5 mm, scale 8/10/13/16 mm



47.990.70

Screw Osteotome Insert straight, size 6, tapered Ø 4 - 5 mm, convex shank Ø 5 mm, scale 8/10/13/16 mm



47.991.80

Osteotome Insert angulated, size 8, tapered Ø 5 - 6 mm, convex shank Ø 6 mm, scale 8/10/13/16 mm

47.991.00

VGO Ost-Set – angulated,

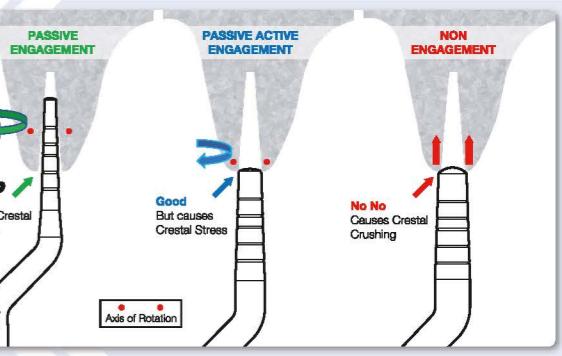
**POSTERIOR VGO OST-Set**

with 8 angulated osteotome inserts, numbered from 1-8

- No threads since turning motion limited
- 5 mm mark placed on all tips to mark threshold for crestal lift
- 5 mm is minimum available bone recommended for crestal lift
- Tips have same taper as tips 1-6 for straight kit
- Two additional tips (7 and 8) to accommodate wider ridges typically found in posterior area
- Provides precision marking tips for immediate placement



## 3 MAIN MODES OF USE!



## Angulated Osteotomes in the VGO OST-Set

Exchangeable with Hex Connection for Z-Shape Universal handle

Osteotome Insert angulated, size 1,

tapered Ø 1 - 2 mm, convex shank Ø 3 mm,

scale 5/8/10/13/16 mm

Osteotome Insert angulated, size 2,

tapered Ø 2 - 3 mm, convex shank Ø 3 mm,

scale 5/8/10/13/16 mm

Osteotome Insert angulated, size 3,

tapered Ø 2 - 4 mm, convex shank Ø 4 mm,

scale 5/8/10/13/16 mm

Osteotome Insert angulated, size 4,

tapered Ø 3 - 4 mm, convex shank Ø 4 mm,

scale 5/8/10/13/16 mm

Osteotome Insert angulated, size 5,

tapered Ø 3 - 5 mm, convex shank Ø 5 mm,

scale 5/8/10/13/16 mm

Osteotome Insert angulated, size 6,

tapered Ø 4 - 5 mm, convex shank Ø 5 mm,

scale 5/8/10/13/16 mm

Osteotome Insert angulated, size 7,

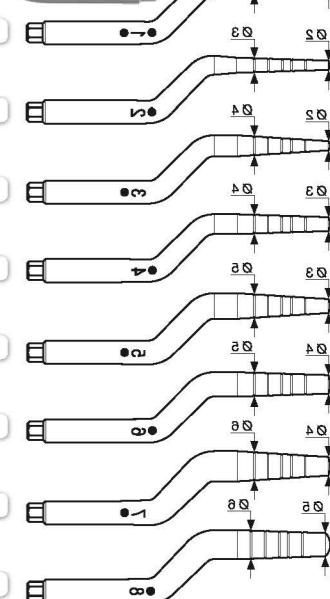
tapered Ø 4 - 6 mm, convex shank Ø 6 mm,

scale 5/8/10/13/16 mm

Osteotome Insert angulated, size 8,

tapered Ø 5 - 6 mm, convex shank Ø 6 mm,

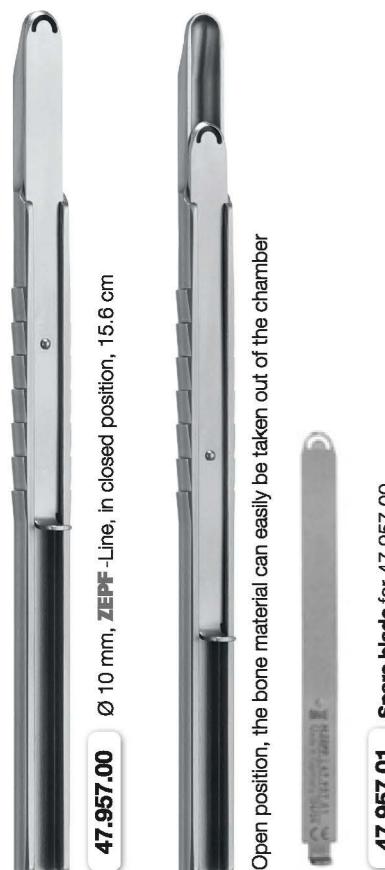
scale 5/8/10/13/16 mm



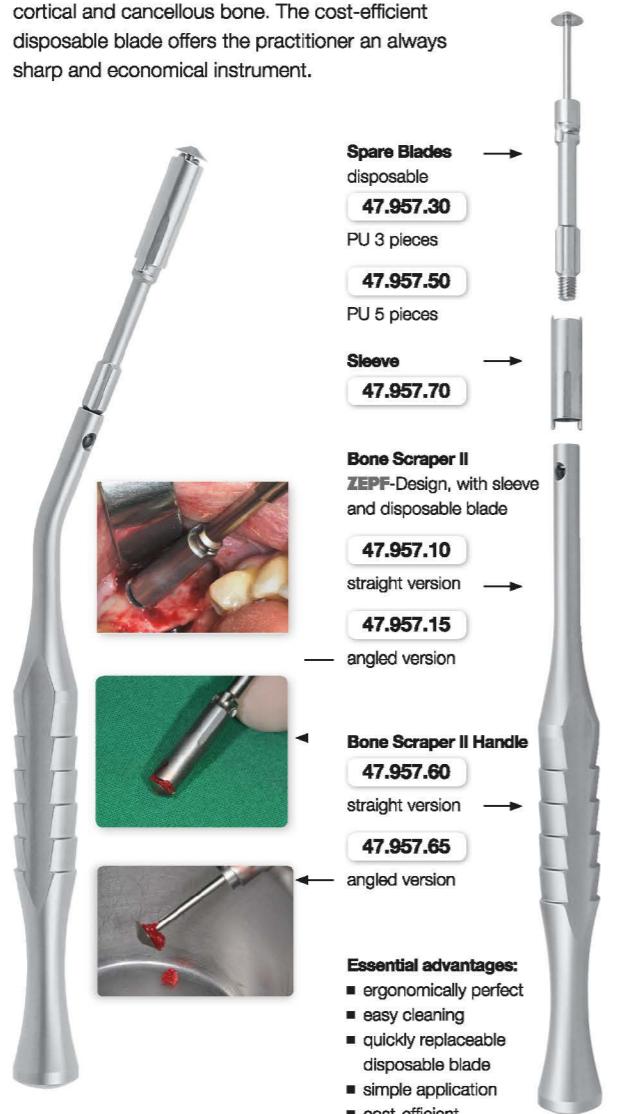
**Bone Scraper**

Winning of autologous bone transplantation.

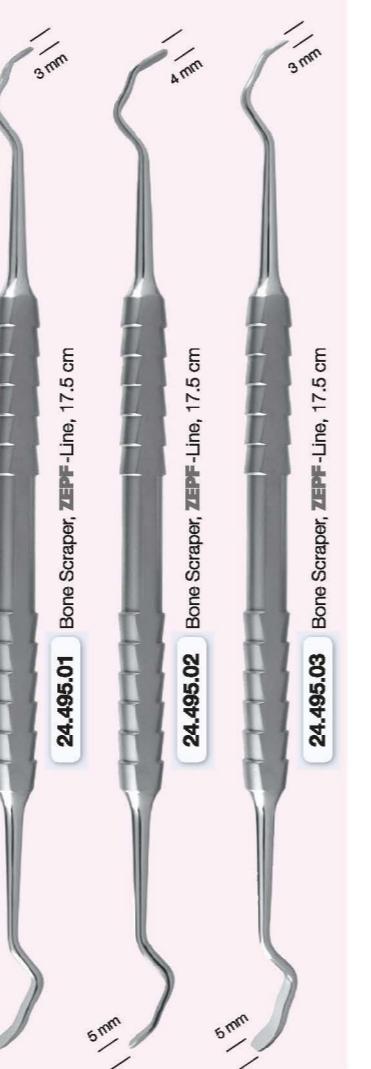
In the oral surgery bone replacements and bone structures are often combined with autologous bone pieces during augmentations in order to use their osteoinductive effect. The Bone Scraper is the perfect instrument for the easy and quick winning of autologous bone structures. It enables you to scrape, collect and transplant the patient's own bone. Everything can be done without the usage of any bone filter, trephine bur, saw or bone mill.

**ZEPF Bone Scraper II**

By using the Bone Scraper, instruments like bone filters, trephines, saws and bone mills are no longer necessary. Its blades allow a fast harvesting of cortical and cancellous bone. The cost-efficient disposable blade offers the practitioner an always sharp and economical instrument.

**Back Action Chisel**

Modified as Bone Scraper in different widths, to gain autologous bone during operation.

**ZEPF Augmentation Material Applicator**

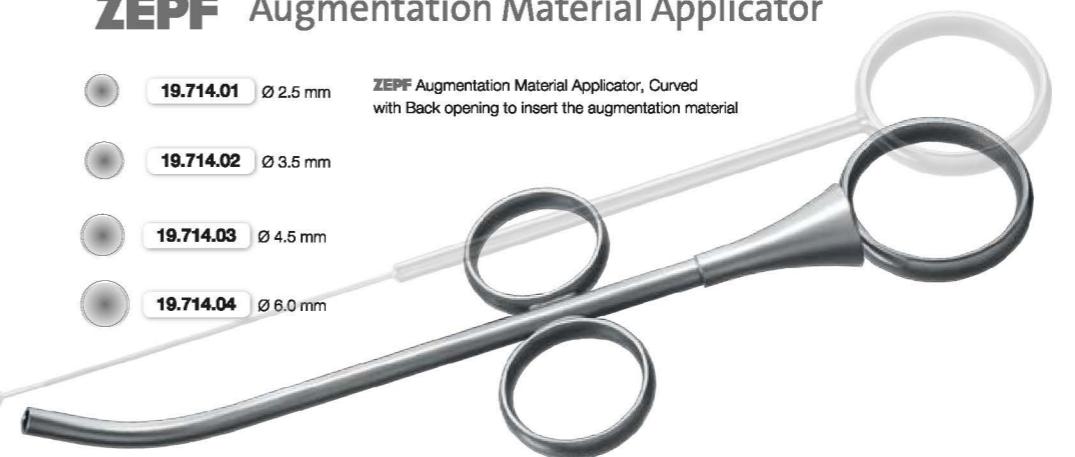
**19.714.01** Ø 2.5 mm

ZEPF Augmentation Material Applicator, Curved with Back opening to insert the augmentation material

**19.714.02** Ø 3.5 mm

**19.714.03** Ø 4.5 mm

**19.714.04** Ø 6.0 mm

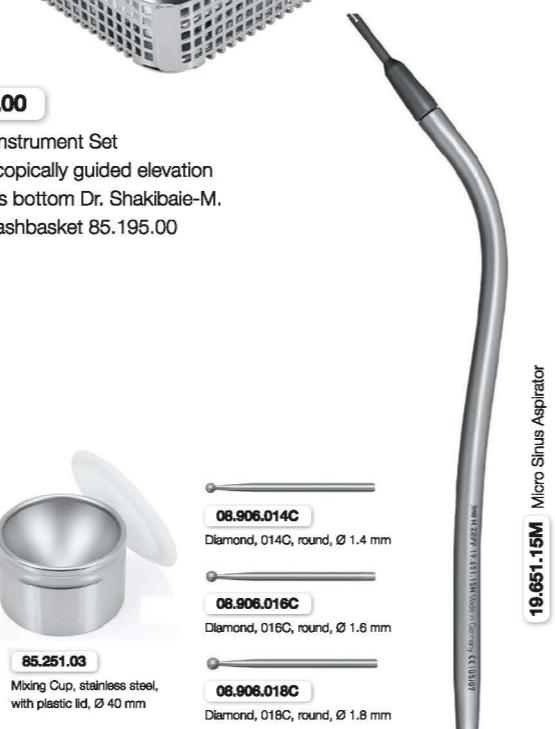
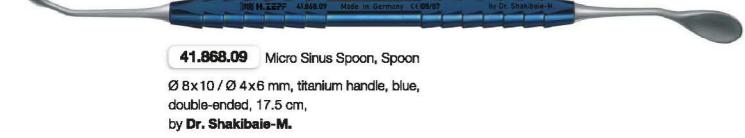
**Bone Caliper**

Bone Caliper for measuring the maxillary bone, radial scaling on the shanks of the ring handles, 13 cm



## Microsurgical Sinus Lift Instruments

For microscopically guided elevation of the sinusbottom by Dr. Behnam Shakibaie-M.



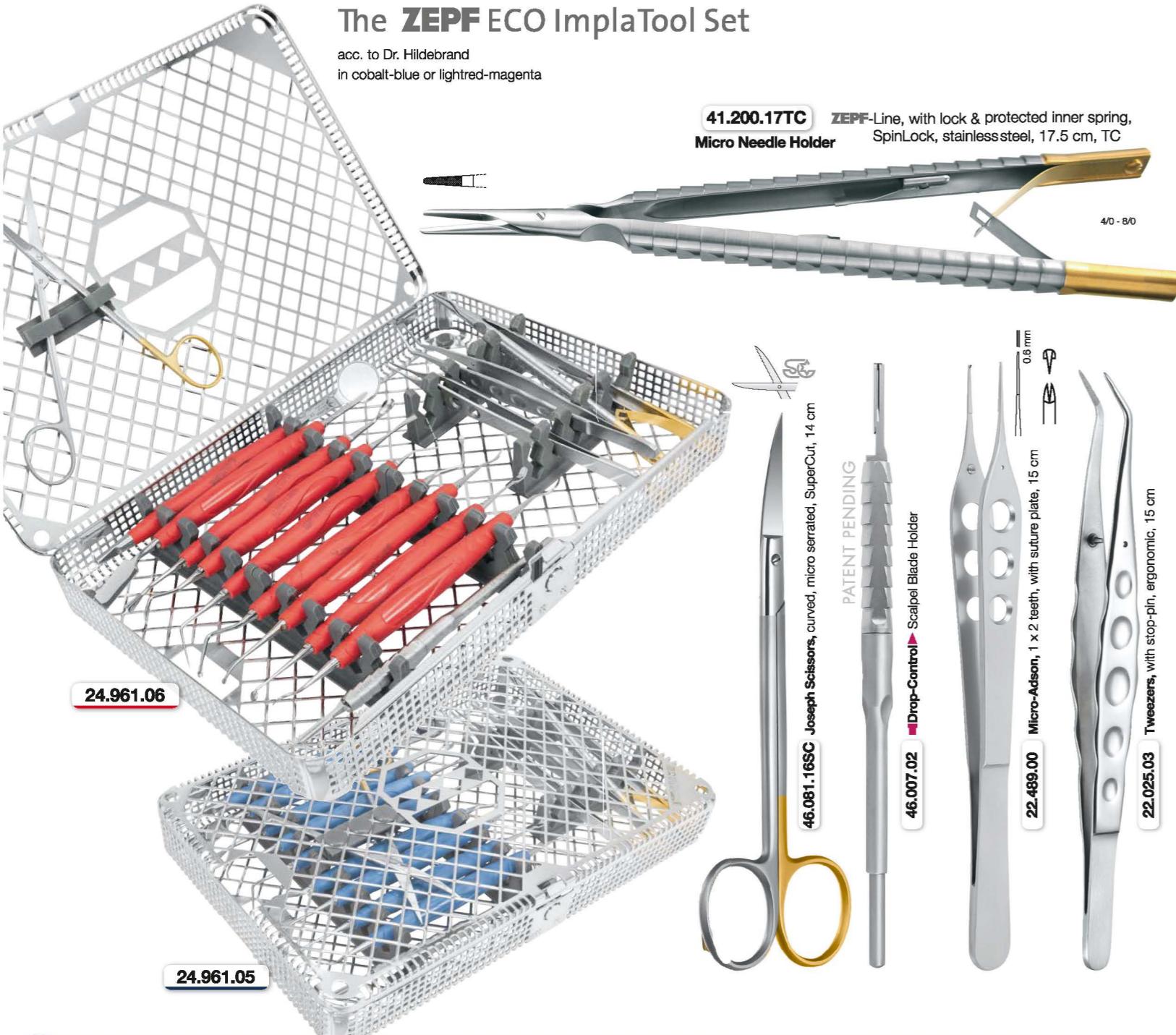
## Sinus Instrument Set

by Dr. Kirsch



## The ZEPF ECO ImplaTool Set

acc. to Dr. Hildebrand  
in cobalt-blue or lightred-magenta



24.961.06

41.200.17TC

ZEPF-Line, with lock & protected inner spring,  
SpinLock, stainless steel, 17.5 cm, TC

Micro Needle Holder

PATENT PENDING



46.007.02

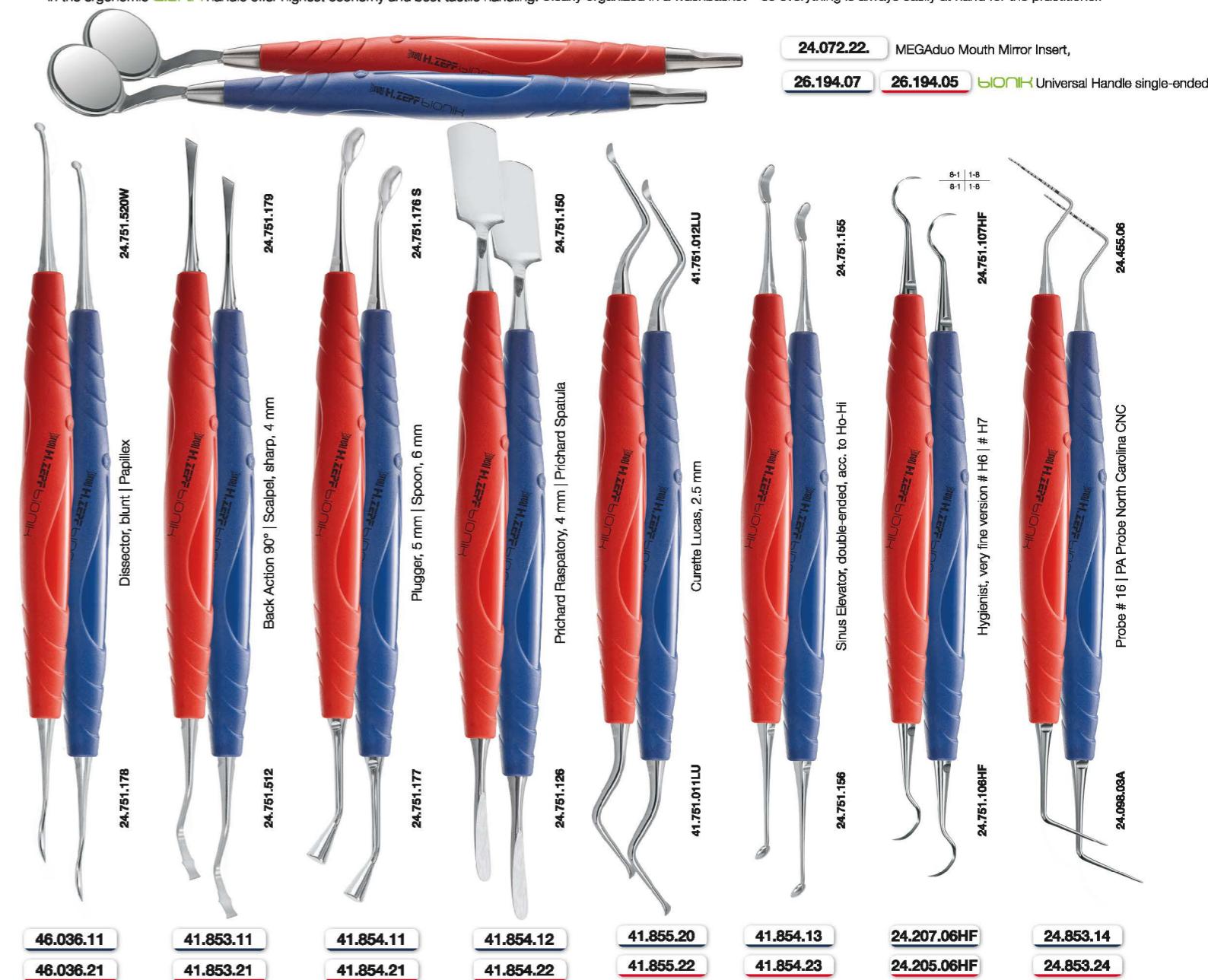
Drop-Control Scalpel Blade Holder

22.489.00 Micro-Adson, 1 x 2 teeth, with suture plate, 15 cm

22.025.03 Tweezers, with stop-pin, ergonomic, 15 cm

24.961.05

The ZEPF ECO ImplaTool Set in cobalt-blue **24.961.05** or lightred-magenta **24.961.06**. Out of his own experience Dr. Hildebrand came up with a complete instrument set for the whole oral surgery and the treatment in the implantology and periodontology. No matter if classical or new conceptions, like sinus elevation or microsurgical interventions, all demands can be covered. Special raspatories, elevators and dissecting instruments enable and simplify surgical procedures and mainly non-traumatic operations. The exchangeable working tips inserted in the ergonomic **bionik** handle offer highest economy and best tactile handling. Clearly organized in a washbasket – so everything is always easily at hand for the practitioner.



46.036.11

46.036.21

41.853.11

41.853.21

41.854.11

41.854.21

41.854.12

41.854.22

41.855.20

41.855.22

41.854.13

41.854.23

24.207.06HF

24.205.06HF

24.853.14

24.853.24

24.455.06

24.455.08

Probe # 16 | PA Probe North Carolina CNC

Hygienist, very fine version # H6 | # H7

24.751.107HF

24.751.107HF

Curette Lucas, 2.5 mm

24.751.155

24.751.155

Back Action 90° | Scalpel, sharp, 4 mm

24.751.179

24.751.179

Dissector, blunt | Papillax

24.751.520W

24.751.520W

Pligger, 5 mm | Spoon, 6 mm

24.751.176 S

24.751.176 S

Prichard Raspatory, 4 mm | Prichard Spatula

24.751.150

24.751.150

Curette Lucas, 2.5 mm

41.751.012LU

41.751.012LU

Sinus Elevator, double-ended, acc. to Ho-Hi

24.751.156

24.751.156

24.751.108HF

24.751.108HF

Hygienist, very fine version # H6 | # H7

24.455.06

24.455.08

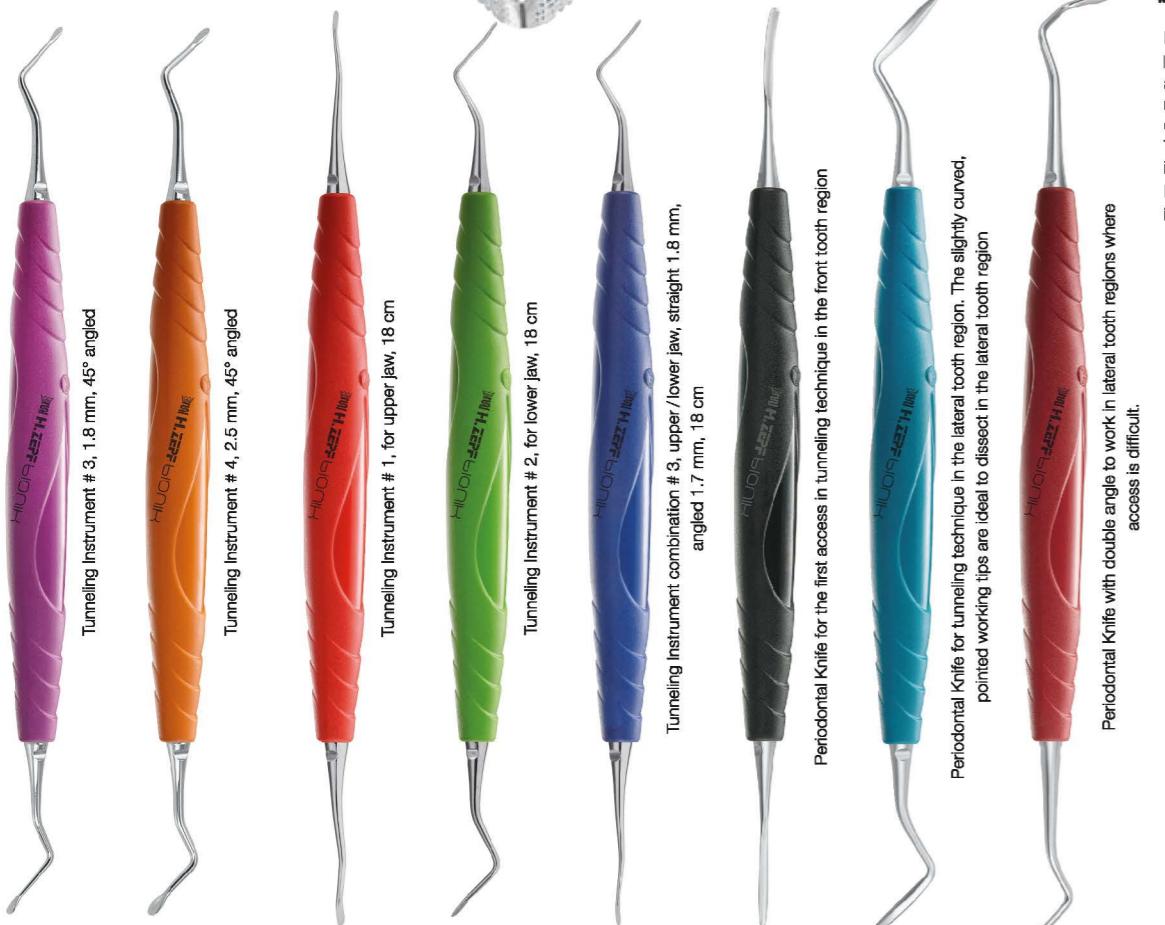
Probe # 16 | PA Probe North Carolina CNC

## Instruments for the modified Tunneling Technique

**46.040.30**

## Set for tunneling technique

with 3 Tunneling Instruments like Set 46.040.00,  
Micro Surgical Scalpel Handle 46.013.00Z  
and Periosteal Elevator 41.864.30  
**ZEPF** -Line, round-tip 2.8 mm,  
( lance-tip 2.4 mm )

**46.040.03****46.040.04****46.040.01****46.040.02****46.035.20****46.040.07****46.040.08****46.040.09****46.040.00****BIONIK**

Set for tunneling technique, consisting  
1/3 washtray, tunneling instruments  
# 1 upper jaw, # 2 lower jaw,  
# 3 upper/lower jaw  
combination

reddot  
design award  
winner 2010

46.040.00

BIONIK



## ZEPF Micro Scissors

Onyx-coated scissors offer a 3-5 times higher surface hardness. In combination with the "Supercut" grinding, this guarantees an extremely long product life and application as well as a very high precision and attrition resistance. The extraordinary surface smoothness is leading to an easy slide of the scissor blades even under highest strain.

Furthermore, the anti-glare surface avoids disturbing light deflections.  
The extremely smooth surface prevents adhesion of proteins.

Micro Forceps  
some with Diamond Coating

## ZEPF Soft Tissue Micro Instrument Basic Set

**24.967.05**

**ZEPF Soft Tissue Micro**  
**Instrument Basic Set**

**85.180.00**

Incl. washtray 1/1, with 2 instrument supports and 1 longitudinal instrument retainer, dimensions: 275 x 178 x 24 mm

containing:

**① 22.810.17**

Tissue Forceps, straight,  
stainless steel,  
**ZEPF-Line**, with guide pin,  
1 x 2 teeth, 17.5 cm

**② 41.200.17TC-K**

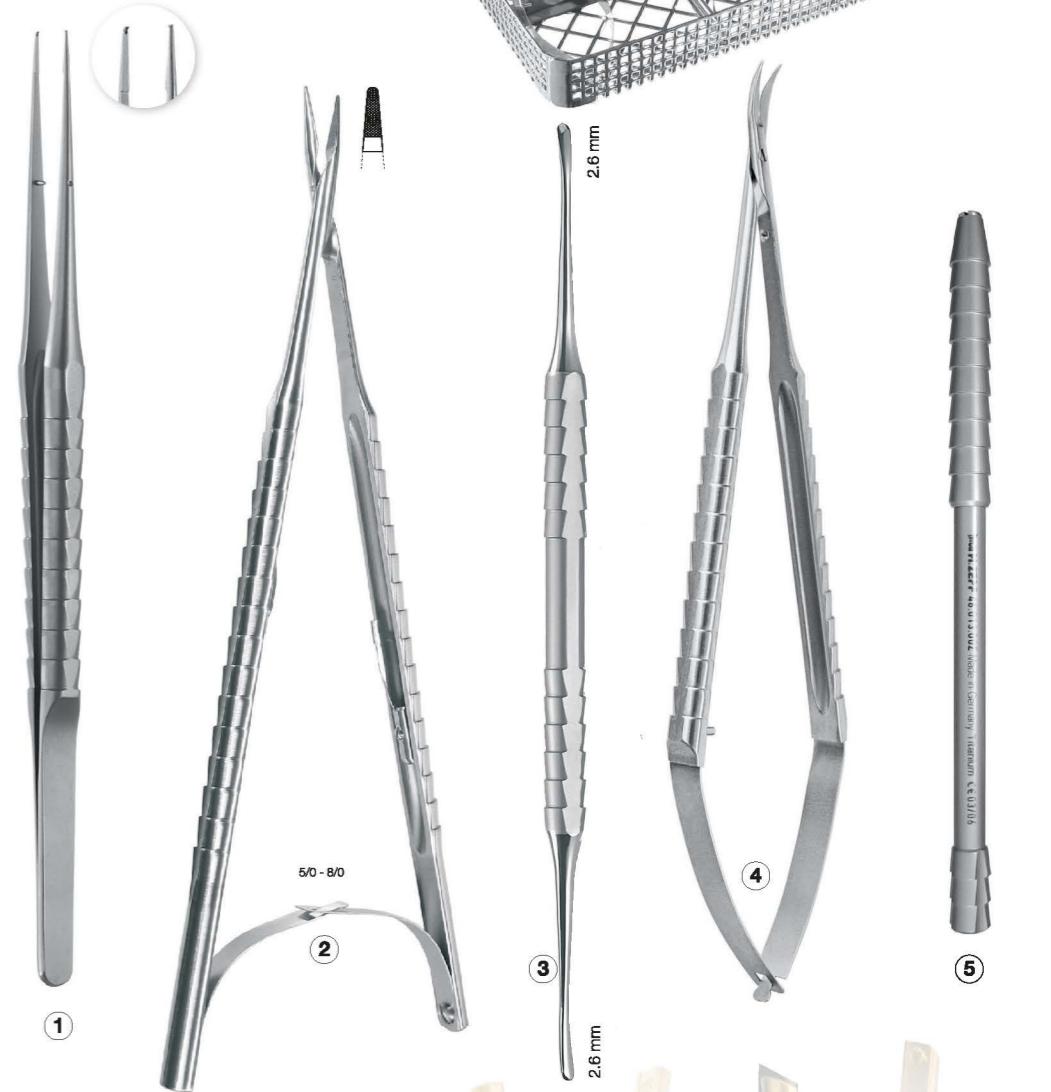
Needle Holder by  
**Dr. Kirsch**, straight, TC,  
lock, double spring,  
SpinLock, 17.5 cm

**③ 41.864.13**Raspatory, **ZEPF-Line****④ 46.319.17**

Suture Removal Scissors  
with micro-serrations,  
sharp/sharp, curved,  
**ZEPF-Line**, stainless steel,  
17 cm

**⑤ 46.013.00Z**

Micro Surgical Scalpel  
Handle, **ZEPF**- Line,  
light version, titanium,  
13 cm



## Mirrors for Interoral Photography

Titanium-coated front surface for very clear picture.

**24.058.01**Mirror for adults,  
palatal pictures,  
width 6.8 cm**24.058.02**Mirror for children,  
palatal pictures,  
width 5.5 cmfor occlusal pictures  
Big Mirror, 6.8 cmfor lingual pictures  
Small Mirror, 5.5 cm

## Langenbeck

**37.351.02**# 2, Finger Protector,  
chromium-plated, not stainless

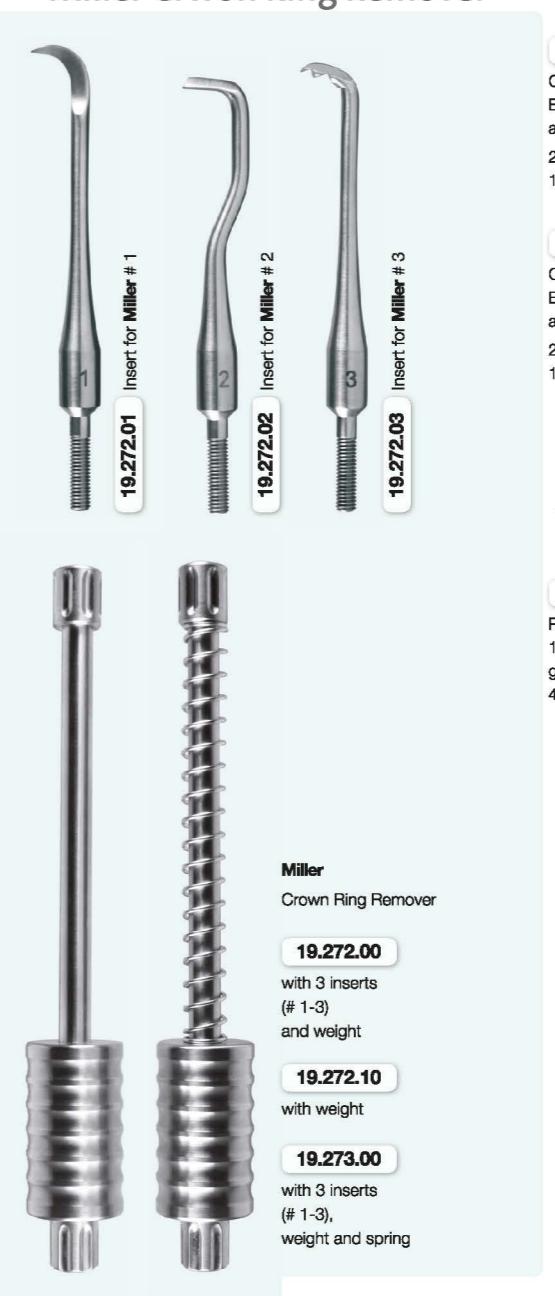
## Silicone Mouth Gag

**37.258.40** small**37.258.43** big

## By Crown Butler

**19.275.00**  
Crown-Butler, automatic crown  
remover, incl. 2 inserts  
19.275.01 and 19.275.02

## Miller Crwon Ring Remover

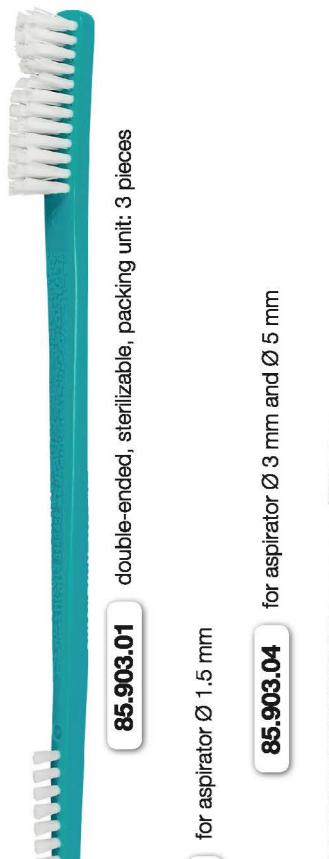
**19.272.01**  
Insert for Miller # 1**19.272.02**  
Insert for Miller # 2**19.272.03**  
Insert for Miller # 3**Miller**  
Crown Ring Remover**19.272.00**  
with 3 inserts  
(# 1-3)  
and weight**19.272.10**  
with weight**19.273.00**  
with 3 inserts  
(# 1-3),  
weight and spring**19.274.00**CROWN-TRACTOR Set "Exclusive"  
Extraction Pliers with thumbscrew detent  
and retaining spring, 16 cm  
20 Plastic Polymer Tips,  
10 g DIATRAC adhesive powder**19.274.01**CROWN-TRACTOR Set "Economical"  
Extraction Pliers without thumbscrew detent  
and retaining spring, 16 cm  
20 Plastic Polymer Tips,  
10 g DIATRAC adhesive powder**19.274.13**Replacement Kit:  
10 g DIATRAC adhesive powder,  
gamma irradiated and  
40 Plastic Polymer Tips**Crown-Tractor**  
Crown-Extraction Pliers with  
interchangeable plastic tipsAdjust the screw on the plier so  
that it fits nicely over the crown to  
be removed

## Brushes

with nylon bristles

**PROBLEM:** Metal brushes

They destroy the passive layer of the instrument surface!

**SOLUTION:** Brushes with nylon bristles

### Washtrays

**ZEPF care system**

| Size | Code      | Dimensions     |
|------|-----------|----------------|
| 1/3  | 85.182.00 | 178 x 90 x 24  |
| 1/2  | 85.181.00 | 178 x 135 x 24 |
| 1/1  | 85.180.00 | 275 x 178 x 24 |
| 1/1  | 85.180.10 | 275 x 178 x 24 |

### Washbaskets

**ZEPF care system**

| Size | Code      | Dimensions     |
|------|-----------|----------------|
| 1/3  | 85.192.50 | 178 x 90 x 37  |
| 1/2  | 85.194.00 | 178 x 135 x 37 |
| 1/2  | 85.194.50 | 275 x 86 x 37  |
| 1/1  | 85.195.00 | 275 x 178 x 37 |

Profile, high, universal

Profile, low

Press Pad

Lid Instrument Fixation to fix scissors / needle holders in the washbasket

**85.181.03**

**85.181.04**

**85.181.05**

**85.182.08**

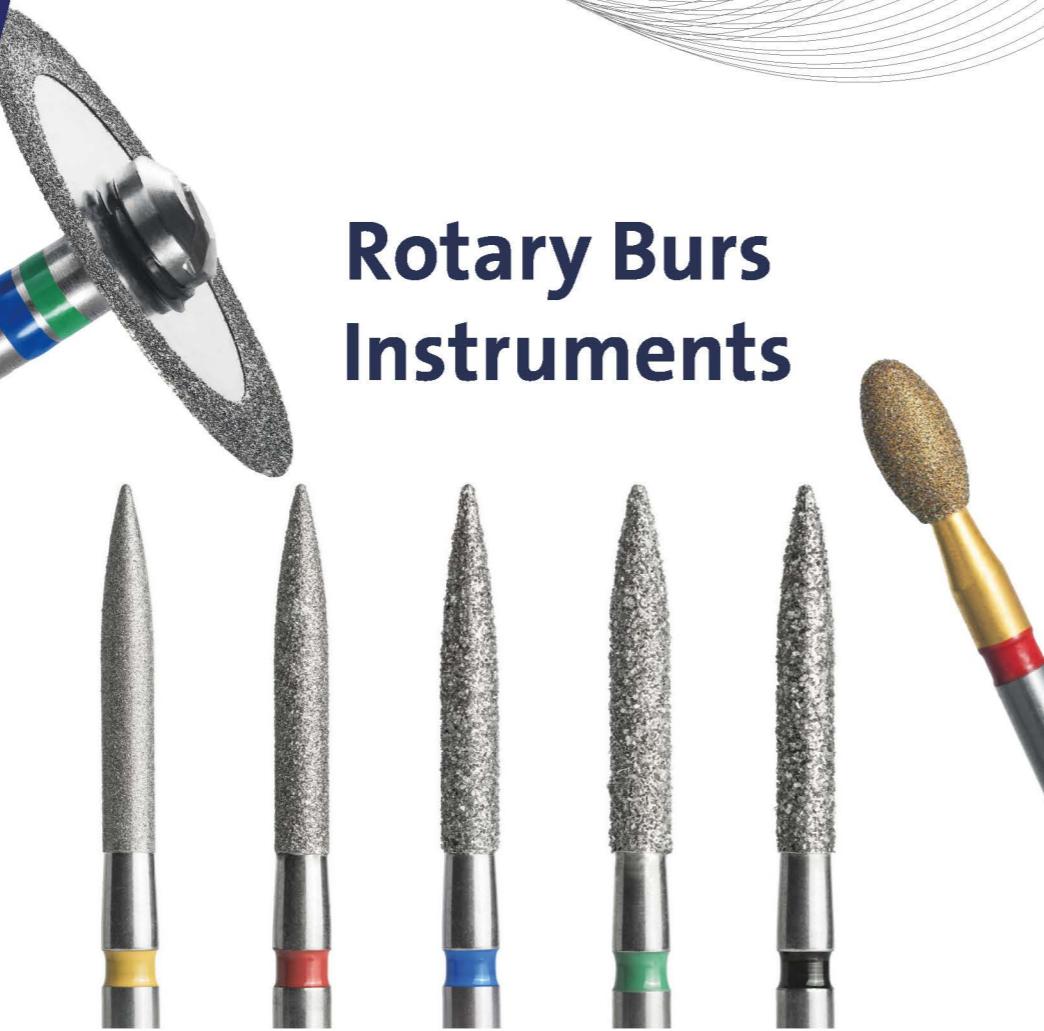
**85.180.03**

**85.180.04**

**85.180.05**

**85.182.04**

**85.182.05**



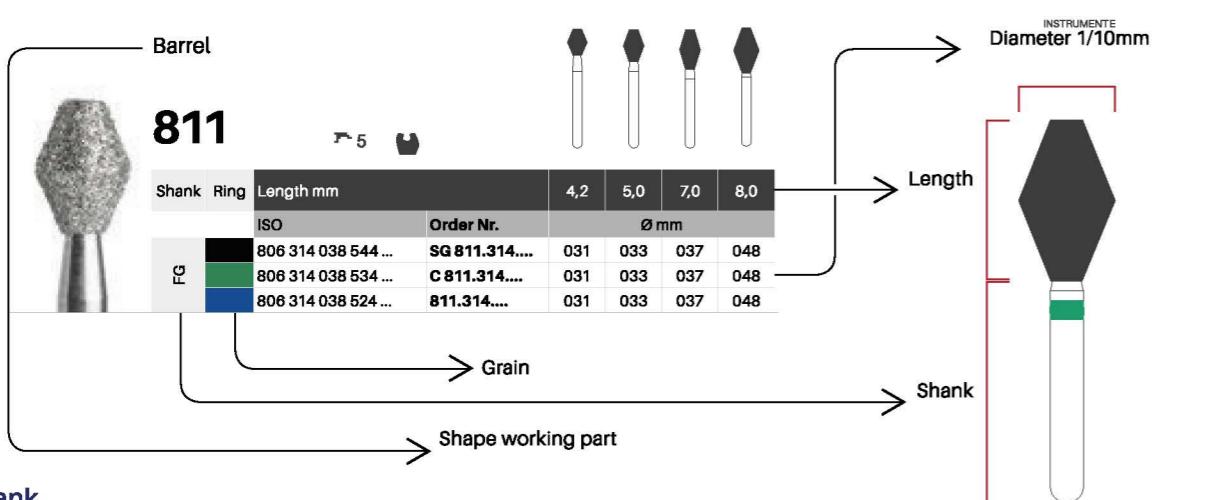
## Rotary Burs Instruments



# PAGE INDEX



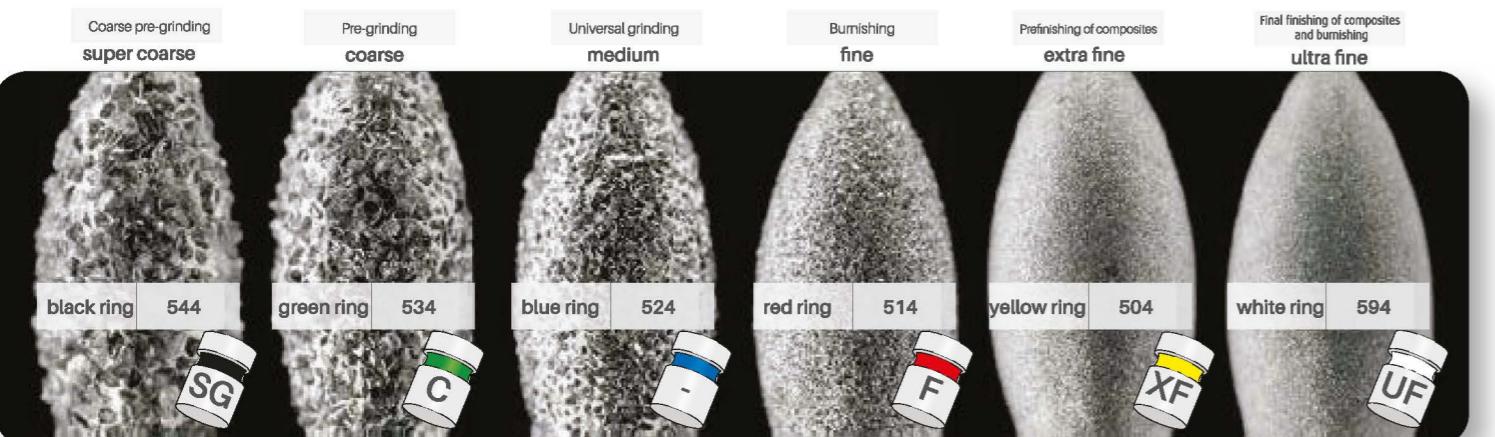
## ISO Reference Guide



## Types of shank

| Application             | ISO | Shank | Application               | ISO | Shank | Application              | ISO | Shank |
|-------------------------|-----|-------|---------------------------|-----|-------|--------------------------|-----|-------|
| Right Angle             | 204 | RA    | Friction Grip, short      | 313 | FG S  | Straight Handpiece       | 104 | HP    |
| Right Angle, long       | 205 | RA L  | Friction Grip             | 314 | FG    | Straight Handpiece, long | 105 | HPL   |
| Right Angle, extra long | 206 | RA XL | Friction Grip, long       | 315 | FG L  |                          |     |       |
|                         |     |       | Friction Grip, extra long | 316 | FG XL |                          |     |       |

## Colour code / Grain



## FG Multilayer Diamonds



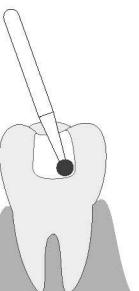
FG Diamonds from our production, are defined by their extremely high-quality cutting performance and long lifetime. Due to a special coating through galvanic technology, this tool convinces in all areas of application.

| Round               |               | Ø mm |     |     |     |     |     |     |     |     |     |
|---------------------|---------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Shank               | Ring          |      |     |     |     |     |     |     |     |     |     |
| ISO                 | Order Nr.     |      |     |     |     |     |     |     |     |     |     |
| 806 314 001 544 ... | SG 801.314... | 008  | 009 | 010 | 012 | 014 | 016 | 018 | 020 | 021 | 023 |
| 806 314 001 534 ... | C 801.314...  | 008  | 009 | 010 | 012 | 014 | 016 | 018 | 020 | 021 | 023 |
| 806 314 001 524 ... | 801.314...    | 008  | 009 | 010 | 012 | 014 | 016 | 018 | 020 | 021 | 023 |
| 806 314 030 154 ... | F 801.314...  | 008  | 009 | 010 | 012 | 014 | 016 | 018 | 020 | 021 | 023 |
| 806 314 001 504 ... | XF 801.314... | 008  | 009 | 010 | 012 | 014 | 016 | 018 | 020 | 021 | 023 |
| 806 314 001 524 ... | 801.213...    | 009  | 010 | 012 | 014 | 016 | 018 |     |     |     |     |
| 806 204 001 524 ... | 801.204...    |      |     | 010 | 012 | 014 | 016 | 018 | 020 |     | 023 |
| 806 104 001 534 ... | C 801.104...  |      |     | 009 | 010 | 012 | 014 | 016 | 018 |     | 023 |
| 806 104 001 524 ... | 801.104...    |      |     | 009 | 010 | 012 | 014 | 016 | 018 |     | 023 |
| 806 104 001 514 ... | F 801.104...  |      |     | 009 | 010 | 012 | 014 | 016 | 018 |     | 023 |

| Round               |               | Ø mm |     |     |     |     |     |  |  |  |  |
|---------------------|---------------|------|-----|-----|-----|-----|-----|--|--|--|--|
| Shank               | Ring          |      |     |     |     |     |     |  |  |  |  |
| ISO                 | Order Nr.     |      |     |     |     |     |     |  |  |  |  |
| 806 314 001 544 ... | SG 801.314... | 025  | 027 | 029 | 035 | 042 |     |  |  |  |  |
| 806 314 001 534 ... | C 801.314...  | 025  | 027 | 029 | 035 | 042 |     |  |  |  |  |
| 806 314 001 524 ... | 801.314...    | 025  | 027 | 029 | 035 | 042 |     |  |  |  |  |
| 806 314 001 534 ... | F 801.314...  | 025  | 027 | 029 | 035 | 042 |     |  |  |  |  |
| 806 314 001 504 ... | XF 801.314... | 025  | 027 | 029 | 035 | 042 |     |  |  |  |  |
| 806 204 001 524 ... | 801.204...    | 026  |     |     |     |     | 033 |  |  |  |  |
| 806 104 001 524 ... | C 801.104...  | 029  | 035 | 040 | 050 |     |     |  |  |  |  |
| 806 104 001 524 ... | 801.104...    | 029  | 035 | 040 | 050 |     |     |  |  |  |  |
| 806 104 001 514 ... | F 801.104...  | 029  | 035 | 040 | 050 |     |     |  |  |  |  |

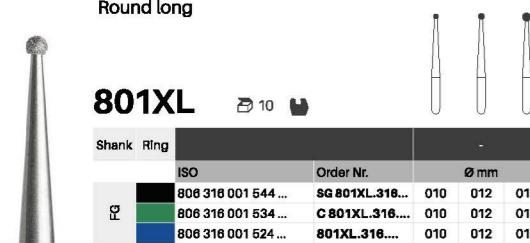
| Round long          |                | Ø mm |     |     |     |     |     |  |  |  |  |
|---------------------|----------------|------|-----|-----|-----|-----|-----|--|--|--|--|
| Shank               | Ring           |      |     |     |     |     |     |  |  |  |  |
| ISO                 | Order Nr.      |      |     |     |     |     |     |  |  |  |  |
| 806 314 697 544 ... | SG 801L.314... | 012  | 014 | 016 | 018 | 023 | 029 |  |  |  |  |
| 806 314 697 534 ... | C 801L.314...  | 012  | 014 | 016 | 018 | 023 | 029 |  |  |  |  |
| 806 314 697 524 ... | 801L.314...    | 012  | 014 | 016 | 018 | 023 | 029 |  |  |  |  |

DIAMOND



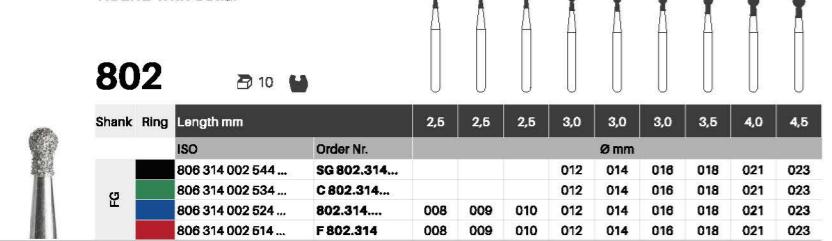
801 Cavity preparation

Round long

**801XL**

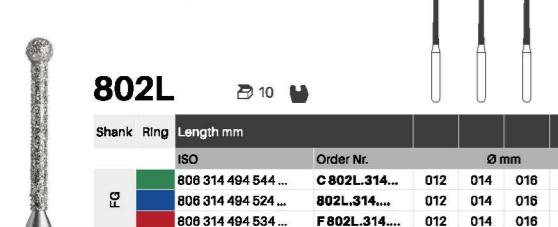
| Shank | Ring               | Length mm       |     |     |     |  |  |
|-------|--------------------|-----------------|-----|-----|-----|--|--|
| ISO   | Order Nr.          | Ø mm            |     |     |     |  |  |
| FG    | 808.316.001.544... | SG 801XL.316... | 010 | 012 | 018 |  |  |
|       | 808.316.001.534... | C 801XL.316.... | 010 | 012 | 016 |  |  |
|       | 808.316.001.524... | 801XL.316....   | 010 | 012 | 018 |  |  |

Round with collar

**802**

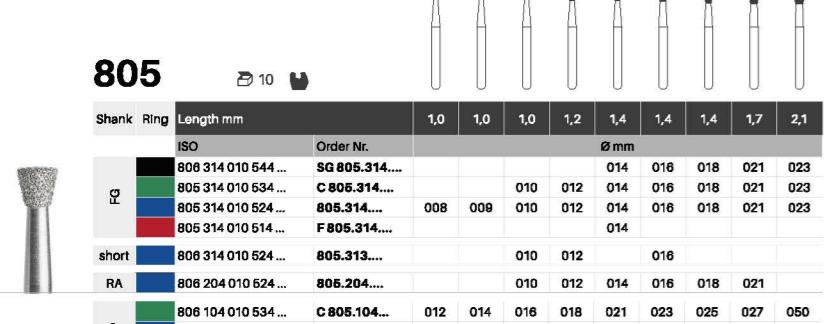
| Shank | Ring               | Length mm     |     |     |     |     |     |     |     |
|-------|--------------------|---------------|-----|-----|-----|-----|-----|-----|-----|
| ISO   | Order Nr.          | Ø mm          |     |     |     |     |     |     |     |
| FG    | 806.314.002.544... | SG 802.314... |     | 012 | 014 | 016 | 018 | 021 | 023 |
|       | 806.314.002.534... | C 802.314...  |     | 012 | 014 | 016 | 018 | 021 | 023 |
|       | 806.314.002.524... | 802.314....   | 008 | 009 | 010 | 012 | 014 | 016 | 023 |
|       | 806.314.002.514... | F 802.314     | 008 | 009 | 010 | 012 | 014 | 016 | 018 |

Round long

**802L**

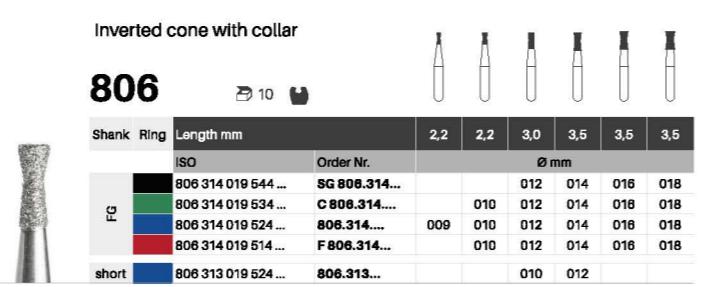
| Shank | Ring               | Length mm      |     |     |     |     |  |
|-------|--------------------|----------------|-----|-----|-----|-----|--|
| ISO   | Order Nr.          | Ø mm           |     |     |     |     |  |
| FG    | 806.314.494.544... | SG 802L.314... | 012 | 014 | 016 | 018 |  |
|       | 806.314.494.524... | 802L.314...    | 012 | 014 | 016 | 018 |  |
|       | 806.314.494.534... | F 802L.314...  | 012 | 014 | 016 | 018 |  |

Inverted cone

**805**

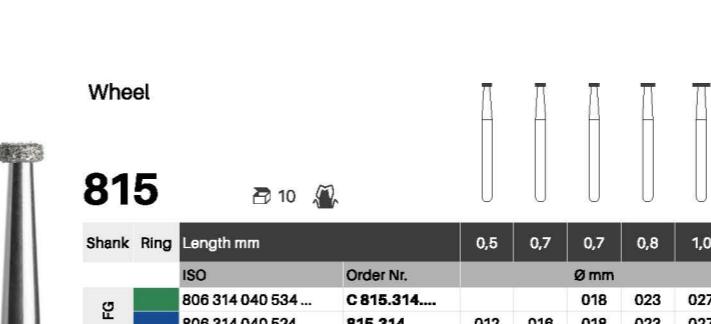
| Shank | Ring               | Length mm     |     |     |     |     |     |     |
|-------|--------------------|---------------|-----|-----|-----|-----|-----|-----|
| ISO   | Order Nr.          | Ø mm          |     |     |     |     |     |     |
| FG    | 806.314.010.544... | SG 805.314... |     | 014 | 016 | 018 | 021 | 023 |
|       | 806.314.010.534... | C 805.314...  | 010 | 012 | 014 | 016 | 021 | 023 |
|       | 806.314.010.524... | 805.314...    | 008 | 009 | 010 | 012 | 014 | 016 |
|       | 806.314.010.514... | F 805.314...  |     | 014 |     |     |     |     |
| short | 806.314.010.524... | 805.313...    |     | 010 | 012 |     | 016 |     |
| RA    | 806.204.010.524... | 806.204...    |     | 010 | 012 | 014 | 016 | 018 |
| HP    | 806.104.010.534... | C 805.104...  | 012 | 014 | 016 | 018 | 021 | 050 |
|       | 806.104.010.524... | 805.104...    | 012 | 014 | 016 | 018 | 021 | 050 |
|       | 806.104.010.514... | F 805.104...  | 012 | 014 | 016 | 018 | 021 | 050 |

Inverted cone with collar

**806**

| Shank | Ring               | Length mm     |     |     |     |     |     |
|-------|--------------------|---------------|-----|-----|-----|-----|-----|
| ISO   | Order Nr.          | Ø mm          |     |     |     |     |     |
| FG    | 806.314.019.544... | SG 806.314... |     | 012 | 014 | 016 | 018 |
|       | 806.314.019.534... | C 806.314...  | 010 | 012 | 014 | 016 | 018 |
|       | 806.314.019.524... | 806.314...    | 009 | 010 | 012 | 014 | 016 |
|       | 806.314.019.514... | F 806.314...  | 010 | 012 | 014 | 016 | 018 |
| short | 806.313.019.524... | 806.313...    |     | 010 | 012 |     |     |
| HP    | 806.104.019.534... | C 806.104...  | 010 | 014 |     |     |     |
|       | 806.104.019.524... | 806.104...    | 010 | 014 |     |     |     |

Wheel

**815**

| Shank | Ring               | Length mm     |     |     |     |     |     |
|-------|--------------------|---------------|-----|-----|-----|-----|-----|
| ISO   | Order Nr.          | Ø mm          |     |     |     |     |     |
| FG    | 806.314.040.534... | SG 815.314... |     | 018 | 023 | 027 |     |
|       | 806.314.040.524... | C 815.314...  | 012 | 016 | 018 | 023 | 027 |
|       | 806.314.040.514... | 815.314...    | 012 | 016 | 018 | 023 | 027 |

Inverted cone

**807**

| Shank | Ring               | Length mm     |     |     |     |     |     |
|-------|--------------------|---------------|-----|-----|-----|-----|-----|
| ISO   | Order Nr.          | Ø mm          |     |     |     |     |     |
| FG    | 806.314.225.544... | SG 807.314... |     | 015 | 016 | 018 |     |
|       | 806.314.225.534... | C 807.314...  |     | 012 | 014 | 016 | 018 |
|       | 806.314.225.524... | 807.314...    | 010 | 012 | 014 | 016 | 018 |
| HP    | 806.104.225.524... | 807.104...    | 016 | 018 | 023 |     |     |

Barrel

**811**

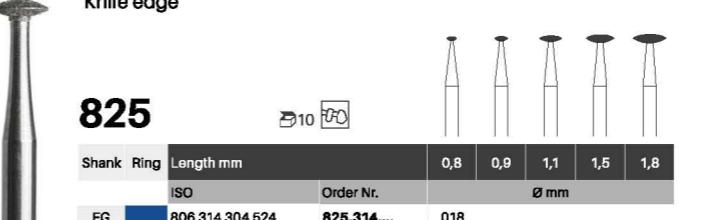
| Shank | Ring               | Length mm     |     |     |     |     |  |
|-------|--------------------|---------------|-----|-----|-----|-----|--|
| ISO   | Order Nr.          | Ø mm          |     |     |     |     |  |
| FG    | 806.314.038.544... | SG 811.314... | 031 | 033 | 037 | 047 |  |
|       | 806.314.038.534... | C 811.314...  | 031 | 033 | 037 | 047 |  |
|       | 806.314.038.524... | 811.314...    | 031 | 033 | 037 | 047 |  |

Amalgam remover

**813**

| Shank | Ring               | Length mm     |     |     |     |     |     |
|-------|--------------------|---------------|-----|-----|-----|-----|-----|
| ISO   | Order Nr.          | Ø mm          |     |     |     |     |     |
| FG    | 806.314.032.544... | SG 813.314... |     | 012 | 014 | 016 | 018 |
|       | 806.314.032.534... | C 813.314...  | 010 | 012 | 014 | 016 | 018 |
|       | 806.314.032.524... | 813.314...    | 010 | 012 | 014 | 016 | 018 |

Knife edge

**825**

| Sh |
|----|
|----|



Flat end taper

**846**

10



|       |      | Length mm           |              |      |     |     |     |     |     |
|-------|------|---------------------|--------------|------|-----|-----|-----|-----|-----|
| Shank | Ring | ISO                 | Order Nr.    | Ø mm |     |     |     |     |     |
|       |      | 806 314 171 534 ... | C 846.314... | 012  | 014 | 016 | 018 | 023 | 025 |
| FG    |      | 806 314 171 524 ... | 846.314...   | 012  | 014 | 016 | 018 | 023 | 025 |
| RA    |      | 806 204 171 524 ... | 846.204...   |      | 016 |     |     |     |     |
| HP    |      | 806 104 171 524 ... | 846.104...   |      | 025 |     |     |     |     |

Side cutting taper

**846S**

10



Cylinder round edge

**846KR**

10



|       |      | Length mm           |                |      |     |     |  |  |  |
|-------|------|---------------------|----------------|------|-----|-----|--|--|--|
| Shank | Ring | ISO                 | Order Nr.      | Ø mm |     |     |  |  |  |
|       |      | 806 314 545 534 ... | C 846KR.314... | 014  | 016 | 018 |  |  |  |
| FG    |      | 806 314 545 524 ... | 846KR.314...   | 014  | 016 | 018 |  |  |  |
| RA    |      | 806 314 545 514 ... | F 846KR.314... | 014  | 016 | 018 |  |  |  |

846 S

Top surface not diamond coated.

No occlusal removal



846 KR

Practical for Cavity  
Fissure and Crown Preparation

Flat end taper

**847**

10



|       |      | Length mm           |               |      |     |     |     |     |     |
|-------|------|---------------------|---------------|------|-----|-----|-----|-----|-----|
| Shank | Ring | ISO                 | Order Nr.     | Ø mm |     |     |     |     |     |
|       |      | 806 314 172 544 ... | SG 847.314... | 012  | 014 | 016 | 018 | 023 | 025 |
| FG    |      | 806 314 172 534 ... | C 847.314...  | 010  | 012 | 014 | 016 | 018 | 023 |
|       |      | 806 314 172 524 ... | 847.314...    | 010  | 012 | 014 | 016 | 018 | 025 |
|       |      | 806 314 172 514 ... | F 847.314...  | 010  | 012 | 014 | 016 | 018 | 025 |
|       |      | 805 314 172 504     | X 847.314...  | 010  | 012 | 014 | 016 | 018 | 025 |
| short |      | 806 313 172 524 ... | 847.313...    |      | 012 | 014 | 016 | 018 |     |
| RA    |      | 806 204 172 524 ... | 847.204...    |      | 012 | 014 |     |     |     |
| HP    |      | 806 104 172 524 ... | 847.104...    | 014  | 018 | 025 | 033 | 040 |     |

Round edge taper

**847 KR**

10



|       |      | Length mm           |                |      |     |     |     |     |  |
|-------|------|---------------------|----------------|------|-----|-----|-----|-----|--|
| Shank | Ring | ISO                 | Order Nr.      | Ø mm |     |     |     |     |  |
|       |      | 806 314 546 534 ... | C 847KR.314... | 014  | 016 | 018 | 023 | 025 |  |
| FG    |      | 806 314 546 524 ... | 847KR.314...   | 014  | 016 | 018 | 023 | 025 |  |
|       |      | 806 314 546 514 ... | F 847KR.314... | 014  | 016 | 018 | 023 | 025 |  |

Flat end taper

**848**

10



|       |      | Length mm           |               |      |     |     |     |     |     |
|-------|------|---------------------|---------------|------|-----|-----|-----|-----|-----|
| Shank | Ring | ISO                 | Order Nr.     | Ø mm |     |     |     |     |     |
|       |      | 806 314 173 544 ... | SG 848.314... | 014  | 016 | 018 | 023 | 025 | 031 |
| FG    |      | 806 314 173 534 ... | C 848.314...  | 010  | 012 | 014 | 016 | 018 | 026 |
|       |      | 806 314 173 524 ... | B 848.314...  | 010  | 012 | 014 | 016 | 018 | 026 |
|       |      | 806 314 173 514 ... | F 848.314...  | 010  | 012 | 014 | 016 | 018 | 025 |
|       |      | 805 314 173 504...  | X 848.314...  | 010  | 012 | 014 | 016 | 018 | 025 |
| short |      | 806 313 173 524 ... | 848.313...    |      | 018 |     |     |     |     |
| RA    |      | 806 204 173 524 ... | 848.204...    |      | 016 | 018 |     |     |     |
| HP    |      | 806 104 173 534 ... | C 848.104...  | 014  | 018 | 023 |     |     |     |
|       |      | 806 104 173 524 ... | 848.104...    | 016  | 018 | 023 |     |     |     |

Flat end taper long

**848L**

10



|       |      | Length mm           |                |      |     |     |  |  |  |
|-------|------|---------------------|----------------|------|-----|-----|--|--|--|
| Shank | Ring | ISO                 | Order Nr.      | Ø mm |     |     |  |  |  |
|       |      | 806 314 174 544 ... | SG 848L.314... | 014  | 016 | 018 |  |  |  |
| FG    |      | 806 314 174 534 ... | C 848L.314...  | 012  | 014 | 016 |  |  |  |
|       |      | 806 314 174 524 ... | B 848L.314...  | 012  | 014 | 016 |  |  |  |
|       |      | 806 314 174 514 ... | F 848L.314...  | 012  | 014 | 016 |  |  |  |
|       |      | 805 314 174 504...  | X 848L.314...  | 012  | 014 | 016 |  |  |  |

Round End Taper

**849**

10



|       |      | Length mm           |               |      |     |     |     |     |     |
|-------|------|---------------------|---------------|------|-----|-----|-----|-----|-----|
| Shank | Ring | ISO                 | Order Nr.     | Ø mm |     |     |     |     |     |
|       |      | 806 314 198 544 ... | SG 849.314... | 012  | 016 | 018 | 025 |     |     |
| FG    |      | 806 314 198 534 ... | C 849.314...  | 010  | 012 | 014 | 016 | 018 | 025 |
|       |      | 806 314 198 524 ... | B 849.314...  | 009  | 010 | 012 | 016 | 018 | 025 |
|       |      | 806 314 198 514 ... | F 849.314...  | 010  | 012 | 014 | 016 | 018 | 025 |
| RA    |      | 806 204 198 524 ... | 849.204...    |      | 012 | 016 |     |     |     |
| HP    | </td |                     |               |      |     |     |     |     |     |

Round end taper

**855**

10



Round end taper

**856**

10



Round end taper

**856**

10



Long round end taper

**856L**

10



Long round end taper

**856XL**

10



Needle

**858**

10



Needle

**859**

10



Flame

**860**

10



Flame

**861**

10



Flame

**862**

10

**857**

10



Round safe end taper

**857**

10

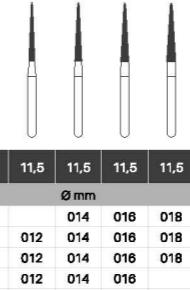


**857 Round Safe End Taper**  
Konus rund mit Sicherheitsspitze

Needle long

**859L**

10



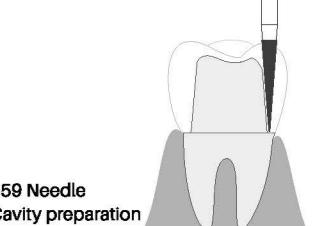
**859L**

**859L**

10



**859L**



**859 Needle**  
Cavity preparation

Flame

**863**

10



Flame

**864**

10



Beveled cylinder

**885**

|                     |      | Length mm     |                     |              |     |     |     |     |
|---------------------|------|---------------|---------------------|--------------|-----|-----|-----|-----|
| Shank               | Ring | 8,0           | 8,0                 | 8,0          | 8,0 |     |     |     |
| ISO                 |      | Order Nr.     | Ø mm                |              |     |     |     |     |
| 806 314 130 544 ... |      | SG 885.314... | 012                 | 014          | 016 |     |     |     |
| FG                  |      |               | 806 314 130 534 ... | C 885.314... | 010 | 012 | 014 | 016 |
|                     |      |               | 806 314 130 524 ... | 885.314...   | 010 | 012 | 014 | 016 |
|                     |      |               | 806 314 130 514 ... | F 885.314... | 010 | 012 | 014 | 016 |

Beveled cylinder

**886**

Flame

**888**

Flame

**889**

Torpedo tapered

**898**

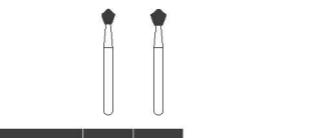
|                     |      | Length mm     |                     |              |     |     |     |     |
|---------------------|------|---------------|---------------------|--------------|-----|-----|-----|-----|
| Shank               | Ring | 8,0           | 8,0                 | 8,0          | 8,0 |     |     |     |
| ISO                 |      | Order Nr.     | Ø mm                |              |     |     |     |     |
| 806 314 130 544 ... |      | SG 885.314... | 012                 | 014          | 016 |     |     |     |
| FG                  |      |               | 806 314 130 534 ... | C 885.314... | 010 | 012 | 014 | 016 |
|                     |      |               | 806 314 130 524 ... | 885.314...   | 010 | 012 | 014 | 016 |
|                     |      |               | 806 314 130 514 ... | F 885.314... | 010 | 012 | 014 | 016 |

Pointed bud

**899**

|                     |      | Length mm     |                     |              |     |     |     |
|---------------------|------|---------------|---------------------|--------------|-----|-----|-----|
| Shank               | Ring | 6,5           | 7,0                 | 7,0          |     |     |     |
| ISO                 |      | Order Nr.     | Ø mm                |              |     |     |     |
| 806 314 033 544 ... |      | SG 899.314... | 021                 | 027          | 031 |     |     |
| FG                  |      |               | 806 314 033 534 ... | C 899.314... | 021 | 027 | 031 |
|                     |      |               | 806 314 033 524 ... | 899.314...   | 021 | 027 | 031 |
|                     |      |               | 806 314 033 514 ... | F 899.314... | 021 | 027 |     |

Acorn

**905**

|                     |      | Length mm    |                     |              |     |     |
|---------------------|------|--------------|---------------------|--------------|-----|-----|
| Shank               | Ring | 2,7          | 2,9                 |              |     |     |
| ISO                 |      | Order Nr.    | Ø mm                |              |     |     |
| 806 314 031 534 ... |      | C 905.314... | 023                 | 027          |     |     |
| FG                  |      |              | 806 314 031 524 ... | 905.314...   | 023 | 027 |
|                     |      |              | 806 314 031 514 ... | F 905.314... | 023 | 027 |

Round Wheel

**909**

|                     |      | Length mm     |                     |              |     |     |     |
|---------------------|------|---------------|---------------------|--------------|-----|-----|-----|
| Shank               | Ring | 1,5           | 1,5                 | 2,0          |     |     |     |
| ISO                 |      | Order Nr.     | Ø mm                |              |     |     |     |
| 806 314 068 544 ... |      | SG 909.314... | 040                 | 045          | 055 |     |     |
| FG                  |      |               | 806 314 068 534 ... | C 909.314... | 040 | 045 | 055 |
|                     |      |               | 806 314 068 524 ... | 909.314...   | 040 | 045 | 055 |
|                     |      |               | 806 314 068 514 ... | F 909.314... | 040 | 045 | 055 |
|                     |      |               | 806 104 068 524 ... | 909.104...   | 040 | 045 | 055 |
|                     |      |               | 806 104 068 514 ... | F 909.104... | 040 | 045 | 055 |

Pointed bud

**368**

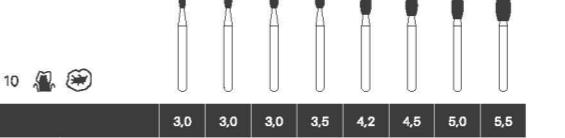
| Shank               | Ring | Length mm     | 3,5                 | 3,5           | 3,5  | 3,5  | 4,5  | 5,0  | 5,0  | 5,0  | 5,0  |
|---------------------|------|---------------|---------------------|---------------|------|------|------|------|------|------|------|
| ISO                 |      | Order Nr.     | Ø mm                | Ø mm          | Ø mm | Ø mm | Ø mm | Ø mm | Ø mm | Ø mm | Ø mm |
| 806 314 257 544 ... |      | SG 368.314... | 018                 | 018           | 020  | 021  | 023  |      |      |      |      |
| FG                  |      |               | 806 314 257 534 ... | C 368.314...  | 012  | 014  | 016  | 018  | 020  | 021  | 023  |
|                     |      |               | 806 314 257 524 ... | 368.314...    | 010  | 012  | 014  | 016  | 018  | 020  | 023  |
|                     |      |               | 806 314 257 514 ... | F 368.314...  | 010  | 012  | 014  | 016  | 018  | 020  | 023  |
|                     |      |               | 806 314 257 504 ... | XF 368.314... | 010  | 012  | 014  | 016  | 018  | 020  | 023  |
|                     |      |               | 806 314 257 494 ... | UF 368.314... | 010  | 012  | 014  | 016  | 018  | 020  | 023  |
| short               |      |               | 806 313 257 524 ... | 368.313...    |      |      |      | 016  | 020  | 023  |      |
| RA                  |      |               | 806 204 257 524 ... | 368.204...    |      |      |      | 016  | 020  | 023  |      |
|                     |      |               | 806 204 257 514 ... | F 368.204...  |      |      |      | 016  | 020  | 023  |      |
|                     |      |               | 806 204 257 504 ... | XF 368.204... |      |      |      | 016  | 020  | 023  |      |
| HP                  |      |               | 806 104 257 524 ... | 368.104...    | 023  |      |      |      |      |      |      |

Pointed bud

**369**

| Shank               | Ring | Length mm    | 5,5                 |               |     |
|---------------------|------|--------------|---------------------|---------------|-----|
| ISO                 |      | Order Nr.    | Ø mm                |               |     |
| 806 314 263 534 ... |      | C 369.314... | 025                 |               |     |
| FG                  |      |              | 806 314 263 524 ... | 369.314...    | 025 |
|                     |      |              | 806 314 263 514 ... | F 369.314...  | 025 |
|                     |      |              | 806 314 263 504 ... | XF 369.314... | 025 |

Football

**379**

| Shank               | Ring | Length mm     | 3,0  | 3,0  | 3,0  | 3,5  | 4,2  | 4,5  | 5,0  | 5,5  |
|---------------------|------|---------------|------|------|------|------|------|------|------|------|
| ISO                 |      | Order Nr.     | Ø mm |
| 806 314 277 544 ... |      | SG 379.314... | 016  | 018  | 021  | 023  | 028  |      |      |      |



## Tungsten carbide instruments

The unique quality of the carbide materials and the high-tech production of the cutting edges specifies the quality of the instruments.

Round plain cut

**C1**

10



| Shank | ISO                | Order Nr. | Ø mm |     |     |     |     |     |     |     |     |     |     |
|-------|--------------------|-----------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| HP    | 500.104.001.001... | C1.104... | 005  | 006 | 008 | 010 | 012 | 014 | 016 | 018 | 021 | 023 | 027 |
| RA    | 500.204.001.001... | C1.204... | 005  | 006 | 008 | 010 | 012 | 014 | 016 | 018 | 021 | 023 | 027 |
| RAL   | 500.205.001.001... | C1.205... |      | 006 |     | 010 |     | 014 | 016 | 018 |     | 023 |     |
| FG    | 500.314.001.001... | C1.314... | 005  | 006 | 008 | 010 | 012 | 014 | 016 | 018 | 021 | 023 |     |
| FGXL  | 500.316.001.001... | C1.316... |      | 008 | 010 | 012 | 014 | 016 | 018 |     | 023 |     |     |

Round plain cut

**C1S**

10



| Shank | ISO                | Order Nr.  | Ø mm |     |     |     |     |     |     |     |     |     |
|-------|--------------------|------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RA    | 500.204.001.003... | C1S.204... |      | 010 | 012 | 014 | 016 | 018 | 021 | 023 | 025 | 027 |
| RAL   | 500.205.001.003... | C1S.205... |      | 010 |     | 014 |     | 018 |     | 023 |     |     |
| FG    | 500.314.001.003... | C1S.314... | 008  | 010 | 012 | 014 | 016 | 018 | 021 | 023 |     |     |
| FGXL  | 500.316.001.003... | C1S.316... |      | 010 | 012 | 014 | 016 | 018 |     |     |     |     |

Round X-cut

**C1SXM**

10



| Shank | ISO                | Order Nr.    | Ø mm |     |     |     |     |     |     |  |  |
|-------|--------------------|--------------|------|-----|-----|-----|-----|-----|-----|--|--|
| RA    | 500.204.001.190... | C1SXM.204... | 010  | 012 | 014 | 016 | 018 | 021 | 023 |  |  |
| RAL   | 500.205.001.190... | C1SXM.205... | 010  | 012 | 014 | 016 | 018 | 021 | 023 |  |  |

# CARBIDE

Inverted cone

**C2**

10



0,5 0,6 0,8 1,0 1,1 1,3 1,5 1,6 1,8

Ø mm

008 010 012 014 016 018 021 023

C2.104... C2.204... C2.314...

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

006 008 010 012 014 016 018

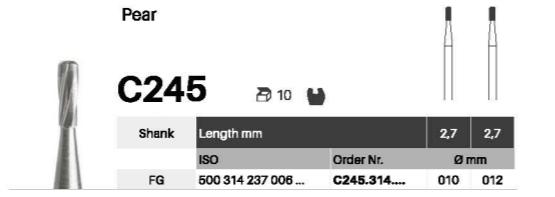
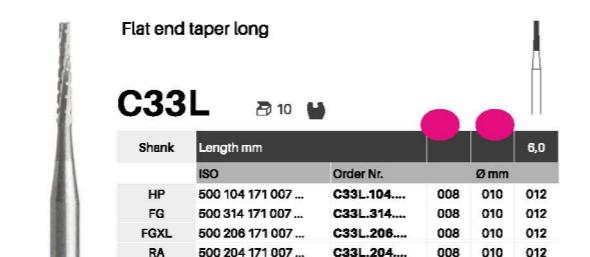
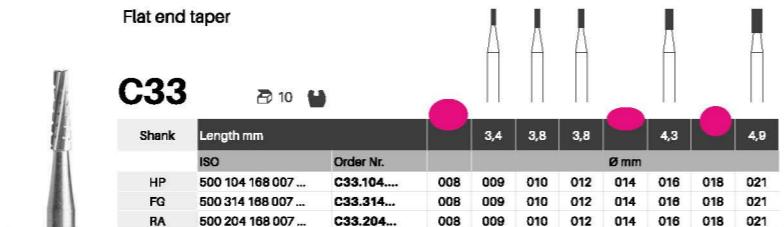
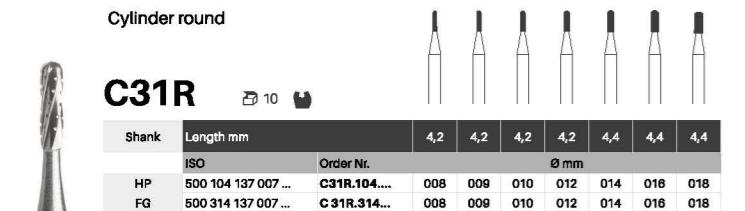
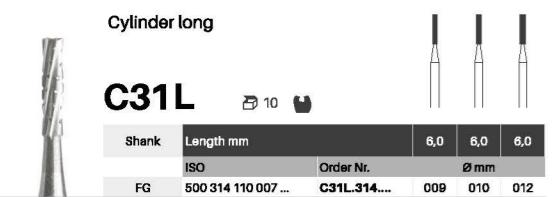
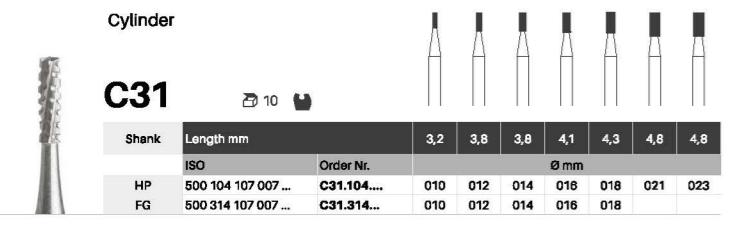
008 010 012 014 016 018

006 008 010 012 014 016 018

008 010 012 014 016 018

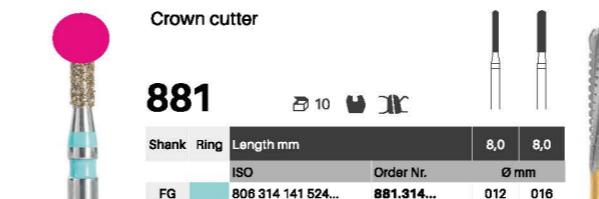
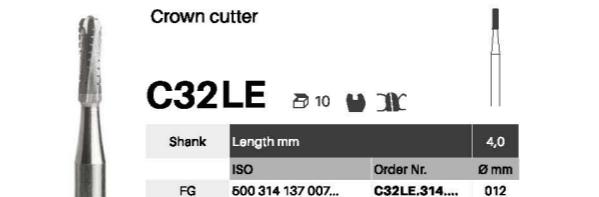
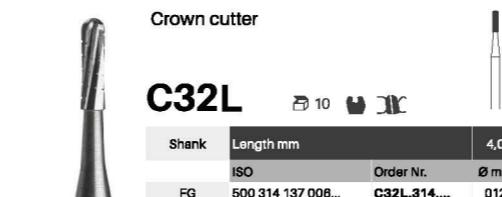
006 008 010 012 014 016 018

008 010 012 014 016 018&lt;/div



## Tungsten carbide crown cutter

Due to an optimal cutter geometry and diamond coating our crown cutters offer an optimum of sharpness, reliability and speed. The right tool for any use.



## Surgery

Surgery burs are made of a high-quality tungsten carbide. The high-tech production of the cutting edges specify the quality of the instruments.



## SURGERY

Bone cutter round

**C141**

C141

| Shank | Length mm          | Ø mm                                |  |  |  |  |  |
|-------|--------------------|-------------------------------------|--|--|--|--|--|
| ISO   | Order Nr.          |                                     |  |  |  |  |  |
| HP    | 500 104 001 291... | 010 014 016 018 023 027             |  |  |  |  |  |
| RAXL  | 500 206 001 291... | 010 014 016 018 023 027             |  |  |  |  |  |
| RAL   | 500 205 001 291... | C141.205... 010 014 016 018 023 027 |  |  |  |  |  |
| FGXL  | 500 316 001 291... | C141.318... 010 014 016 018 021 023 |  |  |  |  |  |

**C141**

C141

| Shank | Length mm          | Ø mm                            |  |  |  |  |
|-------|--------------------|---------------------------------|--|--|--|--|
| ISO   | Order Nr.          |                                 |  |  |  |  |
| HP    | 500 104 001 291... | C141.104... 029 031 035 040 050 |  |  |  |  |
| RAXL  | 500 206 001 291... | C141.206... 029 031 035 040 050 |  |  |  |  |
| RAL   | 500 205 001 291... | C141.205... 029 031 035 040 050 |  |  |  |  |

Bone cutter round/transverse section

**C141A**

C141A

| Shank | Length mm          | Ø mm                                 |  |  |  |  |  |
|-------|--------------------|--------------------------------------|--|--|--|--|--|
| ISO   | Order Nr.          |                                      |  |  |  |  |  |
| HP    | 500 104 001 298... | C141A.104... 023 027 031 035 040 050 |  |  |  |  |  |
| RAXL  | 500 206 001 298... | C141A.208... 023 027 031 035 040 050 |  |  |  |  |  |
| RAL   | 500 205 001 298... | C141A.205... 023 027 031 035 040 050 |  |  |  |  |  |

Diamond bone cutter

**GSD1**

GSD1

| Shank | Length mm          | 12,0                    | 12,0 | 12,0 | Ø mm |
|-------|--------------------|-------------------------|------|------|------|
| ISO   | Order Nr.          |                         |      |      |      |
| FG    | 806 314 411 534... | GSD1.314... 016 018 021 |      |      |      |
| RA    | 806 204 411 534... | GSD1.204... 016 018 021 |      |      |      |

C141

C141

| Shank | Length mm          | Ø mm                                |  |  |  |  |  |
|-------|--------------------|-------------------------------------|--|--|--|--|--|
| ISO   | Order Nr.          |                                     |  |  |  |  |  |
| HP    | 500 104 001 291... | C141.104... 010 014 016 018 023 027 |  |  |  |  |  |
| RAXL  | 500 206 001 291... | C141.206... 010 014 016 018 023 027 |  |  |  |  |  |
| RAL   | 500 205 001 291... | C141.205... 010 014 016 018 023 027 |  |  |  |  |  |
| FGXL  | 500 316 001 291... | C141.318... 010 014 016 018 021 023 |  |  |  |  |  |

C141

C141

| Shank | Length mm          | Ø mm                            |  |  |  |  |
|-------|--------------------|---------------------------------|--|--|--|--|
| ISO   | Order Nr.          |                                 |  |  |  |  |
| HP    | 500 104 001 291... | C141.104... 029 031 035 040 050 |  |  |  |  |
| RAXL  | 500 206 001 291... | C141.206... 029 031 035 040 050 |  |  |  |  |
| RAL   | 500 205 001 291... | C141.205... 029 031 035 040 050 |  |  |  |  |

C141A

C141A

| Shank | Length mm          | Ø mm                                 |  |  |  |  |  |
|-------|--------------------|--------------------------------------|--|--|--|--|--|
| ISO   | Order Nr.          |                                      |  |  |  |  |  |
| HP    | 500 104 001 298... | C141A.104... 023 027 031 035 040 050 |  |  |  |  |  |
| RAXL  | 500 206 001 298... | C141A.208... 023 027 031 035 040 050 |  |  |  |  |  |
| RAL   | 500 205 001 298... | C141A.205... 023 027 031 035 040 050 |  |  |  |  |  |

C141

C141

| Shank | Length mm          | Ø mm                            |  |  |  |  |  |
|-------|--------------------|---------------------------------|--|--|--|--|--|
| ISO   | Order Nr.          |                                 |  |  |  |  |  |
| HP    | 500 104 001 291... | C141.104... 029 031 035 040 050 |  |  |  |  |  |
| RAXL  | 500 206 001 291... | C141.206... 029 031 035 040 050 |  |  |  |  |  |
| RAL   | 500 205 001 291... | C141.205... 029 031 035 040 050 |  |  |  |  |  |

C141A

C141A

| Shank | Length mm          | Ø mm                                 |  |  |  |  |  |
|-------|--------------------|--------------------------------------|--|--|--|--|--|
| ISO   | Order Nr.          |                                      |  |  |  |  |  |
| HP    | 500 104 001 298... | C141A.104... 023 027 031 035 040 050 |  |  |  |  |  |
| RAXL  | 500 206 001 298... | C141A.208... 023 027 031 035 040 050 |  |  |  |  |  |
| RAL   | 500 205 001 298... | C141A.205... 023 027 031 035 040 050 |  |  |  |  |  |

C141

C141

| Shank | Length mm          | Ø mm |  |  |  |  |  |
|-------|--------------------|------|--|--|--|--|--|
| ISO   | Order Nr.          |      |  |  |  |  |  |
| HP    | 500 104 001 291... |      |  |  |  |  |  |

# Polisher |

Our polishers provide the highest surface quality for all work areas. Through optimal performance during contouring, finishing, and high-gloss polishing, the user achieves the best results.

Polishing eliminates rough surfaces which otherwise produce plaque accumulation and the risk of recurrent caries. Polishing helps to achieve a smooth finish by reducing surface staining and providing a natural shine finish to all work areas.



# POLISHER

## UNIVERSAL

7.000 - 10.000 rpm  
max. 20.000 rpm

\*Porcelain, Composite, Precious Metal, Amalgam

For smoothing all dental materials  
Soft silicone bonding adapts to the surface being processed  
Various shapes for different applications  
Silicon carbide abrasive

### Universal

All Materials\*

### UNI

| Shank | Length mm | 2,0  | 2,5  | 6,0  | 7,0  | 9,0  |
|-------|-----------|------|------|------|------|------|
|       | Ø mm      | 12,0 | 13,0 | 11,0 | 12,0 | 15,0 |
| UM    | Order Nr. | 1006 | 1009 | 1011 | 1012 | 1015 |

### Universal

All Materials\*

### UNI

| Shank | Length mm | 7,5  | 15,0 | 12,0 | 10,0 | 16,0 |
|-------|-----------|------|------|------|------|------|
|       | Ø mm      | 3,0  | 5,5  | 4,5  | 5,0  | 5,0  |
| RA    | Order Nr. | 1081 | 1071 | 1072 | 1092 | 1074 |

### Universal

All Materials\*

### UNI

| Shank | Length mm | 8,5  | 7,0  | 10,0 | 2,0  | 2,5  |
|-------|-----------|------|------|------|------|------|
|       | Ø mm      | 9,0  | 8,0  | 7,0  | 11,0 | 11,5 |
| RA    | Order Nr. | 1075 | 1076 | 1077 | 1078 | 1079 |

## DIAPOL

7.000 - 12.000 rpm  
max. 20.000 rpm

### Porcelain |

Corrections without additional glazing  
Final polishing result matches glazed surface  
Diamond abrasive for effective polishing  
Available in TWIST shape for even easier application

Diapol coarse  
Porcelain



### DPL

| Shank | Length mm | 1,6       | 7,5  | 10,0 | 7,5  | 2,5  | 13,0 | 2,0  | 6,5  |
|-------|-----------|-----------|------|------|------|------|------|------|------|
|       | Ø mm      | 14,0      | 3,0  | 4,0  | 6,0  | 10,0 | 4,0  | 11,0 | 3,0  |
| RA    | Order Nr. | DPL.RA... | 7084 | 7081 | 7086 | 7087 | 7088 | 7072 | 7078 |
| FG    |           | DPL.FG... |      |      |      |      |      |      | 7091 |

Diapol medium  
Porcelain



### DPL

| Shank | Length mm | 1,6       | 7,5  | 10,0 | 7,5  | 2,5  | 13,0 | 2,0  | 6,5  |
|-------|-----------|-----------|------|------|------|------|------|------|------|
|       | Ø mm      | 14,0      | 3,0  | 4,0  | 6,0  | 10,0 | 4,0  | 11,0 | 3,0  |
| RA    | Order Nr. | DPL.RA... | 7184 | 7181 | 7186 | 7187 | 7188 | 7172 | 7178 |
| FG    |           | DPL.FG... |      |      |      |      |      |      | 7191 |

Diapol fine  
Porcelain



### DPL

| Shank | Length mm | 1,6       | 7,5  | 10,0 | 7,5  | 2,5  | 13,0 | 2,0  | 6,5  |
|-------|-----------|-----------|------|------|------|------|------|------|------|
|       | Ø mm      | 14,0      | 3,0  | 4,0  | 6,0  | 10,0 | 4,0  | 11,0 | 3,0  |
| RA    | Order Nr. | DPL.RA... | 7284 | 7281 | 7286 | 7287 | 7288 | 7272 | 7278 |
| FG    |           | DPL.FG... |      |      |      |      |      |      | 7291 |

## DIAPRO

7.000 - 10.000 rpm  
max. 20.000 rpm

### Lithium Disilicate, Feldspathic Porcelain

Especially suitable for chair side corrections after setting crowns and bridges  
Highly efficient due to diamond abrasive  
Before polishing, grinding is done with Diasynt® Plus

Diapro medium  
Porcelain



### DPR

| Shank | Length mm | 7,5       | 10,0 | 7,5  | 2,5  |      |
|-------|-----------|-----------|------|------|------|------|
|       | Ø mm      | 3,0       | 4,0  | 6,0  | 10,0 |      |
| RA    | Order Nr. | DPR.RA... | 7881 | 7886 | 7887 | 7888 |

Diapro fine  
Porcelain



### DPR

| Shank | Length mm | 7,5       | 10,0 | 7,5  | 2,5  |      |
|-------|-----------|-----------|------|------|------|------|
|       | Ø mm      | 3,0       | 4,0  | 6,0  | 10,0 |      |
| RA    | Order Nr. | DPR.RA... | 7881 | 7886 | 7887 | 7988 |

## DIACERA

7.000 - 12.000 rpm  
max. 20.000 rpm

### Zirkonoxid, Aluminiumoxid

Especially suitable for full contour zirconia restorations  
High diamond concentration for more efficiency  
Makes glazing unnecessary  
Before polishing, grinding is done with Diasynt® Plus

Diacera medium  
Zirconia, Alumina



### DCA

| Shank | Length mm | 7,5       | 10,0 | 7,5  | 2,5  |      |
|-------|-----------|-----------|------|------|------|------|
|       | Ø mm      | 3,0       | 4,0  | 6,0  | 10,0 |      |
| RA    | Order Nr. | DCA.RA... | 7681 | 7686 | 7687 | 7688 |

Diacera fine  
Zirconia, Alumina



### DCA

| Shank | Length mm | 7,5       | 10,0 | 7,5  | 2,5  |      |
|-------|-----------|-----------|------|------|------|------|
|       | Ø mm      | 3,0       | 4,0  | 6,0  | 10,0 |      |
| RA    | Order Nr. | DCA.RA... | 7781 | 7786 | 7787 | 7788 |

### ECOCERAM

7.000 - 15.000 rpm  
max. 25.000 rpm

#### Porcelain

For finishing and polishing veneer porcelain  
Silicone bonding adapts to the surface being processed  
Silicon carbide abrasive

#### Ecoceram coarse

Porcelain

### ECK

10/100

|       |           |           |      |      |      |
|-------|-----------|-----------|------|------|------|
| Shank | Length mm | 10,0      | 10,0 | 2,5  |      |
|       | Ø mm      | 5,0       | 7,0  | 11,0 |      |
| RA    | Order Nr. | ECK.RA... | 1592 | 1577 | 1579 |

#### Ecoceram medium

Porcelain

### ECK

10/100

|       |           |           |      |      |      |
|-------|-----------|-----------|------|------|------|
| Shank | Length mm | 10,0      | 10,0 | 2,5  |      |
|       | Ø mm      | 5,0       | 7,0  | 11,0 |      |
| RA    | Order Nr. | ECK.RA... | 1692 | 1677 | 1679 |

#### Ecoceram fine

Porcelain

### ECK

10/100

|       |           |           |      |      |      |
|-------|-----------|-----------|------|------|------|
| Shank | Length mm | 10,0      | 10,0 | 2,5  |      |
|       | Ø mm      | 5,0       | 7,0  | 11,0 |      |
| RA    | Order Nr. | ECK.RA... | 1792 | 1777 | 1779 |

### Diacomp ULTRA

3.000 - 10.000 rpm  
max. 20.000 rpm

#### Composite

Complete polishing process in just one step  
Increased pressure for surface preparation  
Reduced pressure for high shine polishing

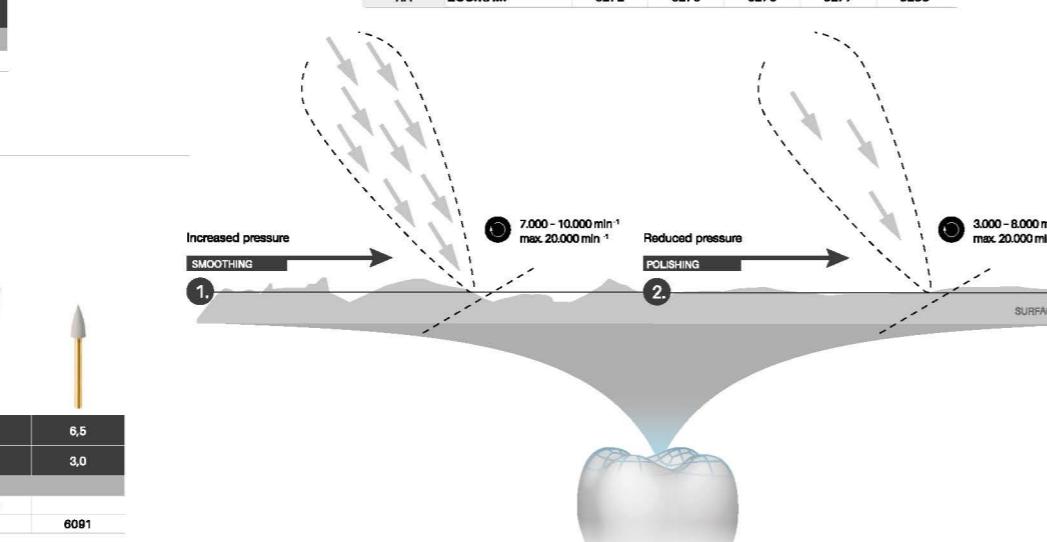
#### Diacomp ultra

Composite

### DCU

1/10

|       |           |           |      |      |      |      |
|-------|-----------|-----------|------|------|------|------|
| Shank | Length mm | 7,5       | 10,0 | 2,5  | 7,5  | 6,5  |
|       | Ø mm      | 3,0       | 4,0  | 10,0 | 8,0  | 3,0  |
| RA    | Order Nr. | DCU.RA... | 6081 | 6071 | 6072 | 6073 |



### ECOCOMP

7.000 - 10.000 rpm  
max. 20.000 rpm

#### Composite

Silicon carbide abrasive  
Durable bonding  
Long durability

#### Ecocomp medium

Composite

### ECC

10/100

|       |           |           |      |      |      |      |
|-------|-----------|-----------|------|------|------|------|
| Shank | Length mm | 6,0       | 8,5  | 8,0  | 10,0 | 2,5  |
|       | Ø mm      | 3,0       | 6,5  | 9,5  | 5,0  | 10,0 |
| RA    | Order Nr. | ECC.RA... | 5172 | 5173 | 5175 | 5177 |

#### Ecocomp fine

Composite

### ECC

10/100

|       |           |           |      |      |      |      |
|-------|-----------|-----------|------|------|------|------|
| Shank | Length mm | 6,0       | 8,5  | 8,0  | 10,0 | 2,5  |
|       | Ø mm      | 3,0       | 6,5  | 9,5  | 5,0  | 10,0 |
| RA    | Order Nr. | ECC.RA... | 5272 | 5273 | 5275 | 5277 |

### DIACOMP PLUS

3.000 - 8.000 rpm  
max. 20.000 rpm

#### Composite

Especially harmonised two-step system  
Applicable on all composites  
Best results even on very hard composites  
Available in TWIST shape for even easier application

#### Diocomp medium

Composite

### DCP

1/10

|       |           |           |      |      |      |      |      |      |      |
|-------|-----------|-----------|------|------|------|------|------|------|------|
| Shank | Length mm | 1,6       | 1,6  | 7,5  | 10,0 | 2,5  | 7,5  | 10,0 | 6,5  |
|       | Ø mm      | 11,0      | 14,0 | 3,0  | 4,0  | 10,0 | 8,0  | 5,0  | 3,0  |
| RA    | Order Nr. | DCP.RA... | 6180 | 6184 | 6181 | 6171 | 6172 | 6173 | 6192 |

#### Diocomp fine

Composite

### DCP

1/10

|       |           |           |      |      |      |      |      |      |      |
|-------|-----------|-----------|------|------|------|------|------|------|------|
| Shank | Length mm | 1,6       | 1,6  | 7,5  | 10,0 | 2,5  | 7,5  | 10,0 | 6,5  |
|       | Ø mm      | 11,0      | 14,0 | 3,0  | 4,0  | 10,0 | 8,0  | 5,0  | 3,0  |
| RA    | Order Nr. | DCP.RA... | 6280 | 6284 | 6281 | 6271 | 6272 | 6273 | 6292 |

### Diatemp Twist

HP 7.000 - 12.000 rpm  
max. 15.000 rpm

Temporary and durable plastic materials, PMMA, hybrid ceramics, hybrid composites and veneer plastics.

#### Diatemp HP fine

Composite

### DTT

1/10

|       |           |          |      |      |      |
|-------|-----------|----------|------|------|------|
| Shank | Length mm | 1,6      | 1,6  | 2,0  |      |
|       | Ø mm      | 014      | 017  | 026  |      |
| RA    | Order Nr. | DTT.H... | 6654 | 6657 | 6666 |

High-Shine Polishing

### FLEX

7.000 - 12.000 rpm  
max. 20.000 rpm

Gold, Amalgam, Non-Precious Metal Alloys  
Silicon carbide abrasive  
High durability  
Available in TWIST shape for even easier application

#### Flex coarse

Gold, Amalgam, NEM



#### Flex medium

Gold, Amalgam, NEM



#### FLX



#### Flex fine

Gold, Amalgam, NEM



#### FLX



## Diapol Twist

RA 10.000 - 12.000 rpm  
max. 20.000 rpm

HP 7.000 - 12.000 rpm  
max. 15.000 rpm

Porcelain

These instruments are suitable for smoothing, pre-polishing and high-gloss polishing Ceramic. Diamond coated 3-stage polishing system. Quick corrections without additional glaze. Final surface finishes provide a glaze result.

Diapol Twist coarse  
Porcelain

## DPLT

| Shank     | Length mm | 1,6        | 1,6  | 1,6  | 2,0  |
|-----------|-----------|------------|------|------|------|
| Ø mm      |           | 014        | 014  | 017  | 026  |
| Order Nr. |           | DPLT.H...  | 7054 | 7057 | 7066 |
| HP        |           | DPLT.H...  |      |      |      |
| RA        |           | DPLT.RA... | 7084 |      |      |

Diapol Twist medium  
Porcelain

## DPLT

| Shank     | Length mm | 1,6        | 1,6  | 1,6  | 2,0  |
|-----------|-----------|------------|------|------|------|
| Ø mm      |           | 014        | 014  | 017  | 026  |
| Order Nr. |           | DPLT.H...  | 7154 | 7157 | 7166 |
| HP        |           | DPLT.H...  |      |      |      |
| RA        |           | DPLT.RA... | 7184 |      |      |

Diapol Twist fine  
Porcelain

## DPLT

| Shank     | Length mm | 1,6        | 1,6  | 1,6  | 2,0  |
|-----------|-----------|------------|------|------|------|
| Ø mm      |           | 014        | 014  | 017  | 026  |
| Order Nr. |           | DPLT.H...  | 7254 | 7257 | 7266 |
| HP        |           | DPLT.H...  |      |      |      |
| RA        |           | DPLT.RA... | 7284 |      |      |

Diacera Twist RA 10.000 - 12.000 rpm  
max. 20.000 rpm

HP 7.000 - 12.000 rpm  
max. 15.000 rpm

Zirconium oxide, alumina | These instruments are suitable for pre-polishing and high gloss polishing. Diamond coated 2-stage polishing system.

Before polishing, sanding is performed with Diasynt Plus. No glaze required.

Diacera Twist medium  
Zirconia, Alumina

## DCAT

| Shank     | Length mm | 1,6        | 1,6  | 1,6  | 2,0  |
|-----------|-----------|------------|------|------|------|
| Ø mm      |           | 014        | 014  | 017  | 016  |
| Order Nr. |           | DCAT.H...  | 7854 | 7857 | 7866 |
| HP        |           | DCAT.H...  |      |      |      |
| RA        |           | DCAT.RA... | 7884 |      |      |

## Diapro Twist

RA 10.000 - 12.000 rpm  
max. 20.000 rpm

HP 7.000 - 12.000 rpm  
max. 15.000 rpm

Lithium disilicate, field strength ceramic, leucite and reinforced ceramic.  
These instruments are suitable for pre-polishing and high gloss polishing.  
Diamond coated 2-stage polishing system. Also for corrections after the insertion of the ceramic.

Diapro Twist medium  
Porcelain\*

## DPRT

| Shank     | Length mm | 1,6        | 1,6  | 1,6  | 2,0  |
|-----------|-----------|------------|------|------|------|
| Ø mm      |           | 014        | 014  | 017  | 026  |
| Order Nr. |           | DPRT.H...  | 7854 | 7857 | 7866 |
| HP        |           | DPRT.H...  |      |      |      |
| RA        |           | DPRT.RA... | 7884 |      |      |

Diapro Twist fine  
Porcelain\*

## DPRT

| Shank     | Length mm | 1,6        | 1,6  | 1,6  | 2,0  |
|-----------|-----------|------------|------|------|------|
| Ø mm      |           | 014        | 014  | 017  | 018  |
| Order Nr. |           | DPRT.H...  | 7954 | 7957 | 7966 |
| HP        |           | DPRT.H...  |      |      |      |
| RA        |           | DPRT.RA... | 7984 |      |      |

High-Shine Polishing

Diacera Twist fine  
Zirconia, Alumina

## DCAT

| Shank     | Length mm | 1,6        | 1,6  | 1,6  | 2,0  |
|-----------|-----------|------------|------|------|------|
| Ø mm      |           | 014        | 014  | 017  | 016  |
| Order Nr. |           | DCAT.H...  | 7754 | 7757 | 7766 |
| HP        |           | DCAT.H...  |      |      |      |
| RA        |           | DCAT.RA... | 7784 |      |      |

High-Shine Polishing

## Flex Twist

RA 10.000 - 12.000 rpm  
max. 20.000 rpm

HP 7.000 - 12.000 rpm  
max. 15.000 rpm

Gold, amalgam, NEM alloy | These instruments are suitable for smoothing, pre-polishing and high-gloss polishing.

3-stage polishing system (RA), 5-stage polishing system (HP). Silicon carbide grain. A long service life.

Flex Twist x-coarse

Gold, Amalgam,  
NEM

## FLXT

| Shank     | Length mm | 1,6       | 1,6  |
|-----------|-----------|-----------|------|
| Ø mm      |           | 014       | 017  |
| Order Nr. |           | FLXT.H... | 4554 |
| HP        |           | FLXT.H... | 4557 |

Flex Twist fine  
Gold, Amalgam,  
NEM

## FLXT

| Shank     | Length mm | 1,6       | 1,6  |
|-----------|-----------|-----------|------|
| Ø mm      |           | 014       | 017  |
| Order Nr. |           | FLXT.H... | 4854 |
| HP        |           | FLXT.H... | 4857 |

Flex Twist x-fine  
Gold, Amalgam,  
NEM

## FLXT

| Shank     | Length mm | 1,6       | 1,6  |
|-----------|-----------|-----------|------|
| Ø mm      |           | 014       | 017  |
| Order Nr. |           | FLXT.H... | 4954 |
| HP        |           | FLXT.H... | 4957 |

High-Shine Polishing

## BCT

| Shank     | Length mm | 7,5       | 7,5  | 0,7  | 10,0 |
|-----------|-----------|-----------|------|------|------|
| Ø mm      |           | 3,0       | 6,0  | 10,0 | 5,0  |
| Order Nr. |           | BCT.H...  | 5381 | 5373 | 5376 |
| RA        |           | BCT.RA... | 5377 |      |      |

## PROPHYCLEAN

5.000 - 10.000 rpm  
max. 20.000 rpm

Tooth Cleaning | Fibre free | Removes calculus and stains | Special abrasive prevents damage to the enamel

Prophyclean coarse |medium  
Tooth Cleaning

Blue option for heavy stains

## PPC

| Shank | Length mm | 9,0  | 6,0 | 7,0  | 7,5  | 6,5 |
|-------|-----------|------|-----|------|------|-----|
| Ø mm  |           | 2,35 | 3,0 | 2,35 | 2,35 | 3   |

## POLISHER BURS INSTRUMENTS

### FLEXI - DIA

**Porcelain, Composite, Metal** | Flexible polishing discs with diamond coating  
Optimised for porcelain | For use in a pulling or pushing motion  
Extra-thin plastic foil

FLEXI DIA 10mm  
Porcelain, Comosite,  
Metal

|           | x-coarse  | coarse | medium | fine |
|-----------|-----------|--------|--------|------|
| Shank     | Length mm | 0,21   | 0,17   | 0,14 |
|           | Ø mm      | 10,0   | 10,0   | 10,0 |
| Order Nr. |           |        |        |      |

UM FDX... 9126 9127 9128 9129

FLEXI DIA 14mm  
Porcelain, Comosite,  
Metal

|           | x-coarse  | coarse | medium | fine |
|-----------|-----------|--------|--------|------|
| Shank     | Length mm | 0,21   | 0,17   | 0,14 |
|           | Ø mm      | 14,0   | 14,0   | 14,0 |
| Order Nr. |           |        |        |      |

UM FDX... 9146 9147 9148 9149

Mandrel  
Spanndorn

|       | 10/100          |
|-------|-----------------|
| Shank | Ø mm Screw Head |
| RA    | MDL... 9595     |

## PROPHYSTRIPE

**Calculus, Plaque, Composite Fillings** |  
Extra thin finishing and polishing strips (0,06mm) for contact points and widening interdental spaces. Mechanical effect through metal bur.

Prophystripes  
Prophylaxis

|           | 10/100        |
|-----------|---------------|
| Length mm | 4,0           |
| Ø mm      | 120           |
| Order Nr. | PSM.4... 9116 |

## GENERAL DENTISTRY DEPARTMENT

### FLEXI - D

**Composite, Gold, Amalgam** | Especially for interdental polishing  
For use in a pulling or pushing motion | Disposable | Coated with aluminium oxide

FLEXI D 10mm  
Comosite, Gold,  
Amalgam

|           | coarse    | medium | fine | x-fine |
|-----------|-----------|--------|------|--------|
| Shank     | Length mm | 0,21   | 0,17 | 0,14   |
|           | Ø mm      | 10,0   | 10,0 | 10,0   |
| Order Nr. |           |        |      |        |

UM FDX... 9121 9122 9123 9124

FLEXI D 14mm  
Comosite, Gold,  
Amalgam

|           | coarse    | medium | fine | x-fine |
|-----------|-----------|--------|------|--------|
| Shank     | Length mm | 0,21   | 0,17 | 0,14   |
|           | Ø mm      | 14,0   | 14,0 | 14,0   |
| Order Nr. |           |        |      |        |

UM FDX... 9141 9142 9143 9144

## FLEXISTRIPES

Flexible finishing and polishing strips for prophylaxis treatment and filling polishing.

### FXS

Flexistripes fine-x-fine Prophylaxis, Comp., Amalgam

|           | FS-20/7   | Thickness: 0,14 / 0,11 |
|-----------|-----------|------------------------|
|           | FINE      | EXTRA FINE             |
| Shank     | Length mm | 150                    |
|           | Ø mm      | 4,0                    |
| Order Nr. |           |                        |
| FXS...    |           | 9112                   |

### FXS

Flexistripes coarse-medium Prophylaxis, Comp., Amalgam

|           | FS-60/40  | Thickness: 0,21 / 0,17 |
|-----------|-----------|------------------------|
|           | COARSE    | MEDIUM                 |
| Shank     | Length mm | 150                    |
|           | Ø mm      | 4,0                    |
| Order Nr. |           |                        |
| FXS...    |           | 9111                   |

## GENERAL DENTISTRY DEPARTMENT

### Unibrush

5.000 - 7.000 rpm  
max. 10.000 rpm

\* Prophylaxis, Composite, Porcelain, Metal

Nylon brushes for single-use application, For use with Propaste, Diapol® or Diacomp® paste  
Does not alter the surface structure

Unibrush hard

All Materials\*

### UNN

10/100

| Shank | Length mm | 5,5  | 6,5  | 6,5  | 2,5  |
|-------|-----------|------|------|------|------|
|       | Ø mm      | 060  | 040  | 040  | 025  |
| RA    | UNN.RA... | 9451 | 9452 | 9453 | 9454 |

Unibrush medium

All Materials\*

### UNN

10/100

| Shank | Length mm | 5,5  | 6,5  | 6,5  | 2,5  |
|-------|-----------|------|------|------|------|
|       | Ø mm      | 080  | 040  | 040  | 025  |
| RA    | UNN.RA... | 9461 | 9462 | 9463 | 9464 |

Unibrush x-fine

All Materials\*

### UNN

10/100

| Shank | Length mm | 5,5  | 6,5  | 6,5  | 2,5  |
|-------|-----------|------|------|------|------|
|       | Ø mm      | 080  | 040  | 040  | 025  |
| RA    | UNN.RA... | 9471 | 9472 | 9473 | 9474 |

## DIAPOL Paste

Diamond pastes for intra and extra oral high-shine polishing.

| CONTENT | DIAPOL Paste | DIACOMP Paste |
|---------|--------------|---------------|
| 2 g     | DPS.9702     | DPS.9705      |
| RA      | Porcelain    | Composite     |

### Prophy ONE

3.000 - 5.000 rpm  
max. 10.000 rpm

**Prophylaxis** For enamel cleaning and polishing, Ridges keep paste in place  
Applicable with or without polishing paste

Prophy One  
Prophylaxis

### PPO

| Shank | Ring      | Length mm | 10,0 | 10,0 | 10,0 | 10,0 |
|-------|-----------|-----------|------|------|------|------|
|       | Ø mm      | 070       | 070  | 070  | 070  | 070  |
| RA    | PPO.RA... | 9412      | 9422 | 9432 | 9442 |      |

## PROPHY PLUS

**Prophylaxis** Screw-on polishing tops for prophylaxis.

Prophy Plus  
Prophylaxis

### PP

| Shank | Length mm | 10,0 | 10,0 | 10,0 |
|-------|-----------|------|------|------|
|       | Ø mm      | 070  | 070  | 070  |
| RA    | PR.RA...  | 9401 | 9406 | 9405 |

Mandrel  
Träger

### 95

| Order Nr. | MDR.9595 |
|-----------|----------|
|           |          |

## Felt Wheels

5.000 - 7.000 rpm  
max. 10.000 rpm

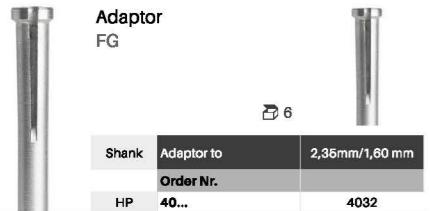
USE WITH DIAPOL® / DIACOMP® PASTE

### FW

| Shank | Length mm | 6,0  | 3,0  |
|-------|-----------|------|------|
|       | Ø mm      | 022  | 012  |
| RA    | FW        | 9840 | 9846 |

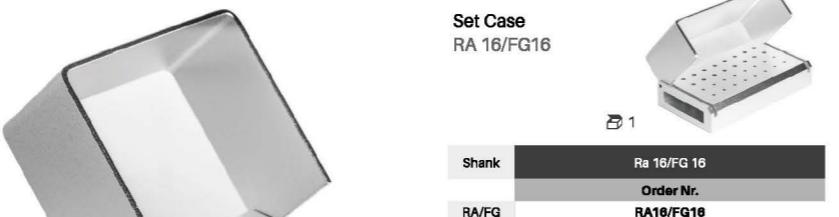
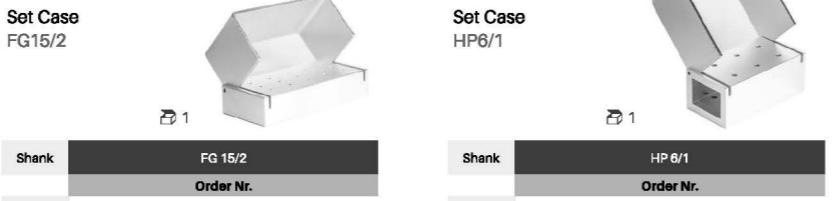
## Adaptors &amp; Mandrels

Adaptors and Mandrels made out of stainless steel



## Set Cases

Bur blocks/stands from G & Z are made from stainless steel for safekeeping of rotary dental instruments in the work area, during cleaning, disinfection and sterilisation. These cases are also sterilizable.



## HM tungsten carbide lab cutter

All milling cutters shown here are characterized by their extremely solid and functional design. Their precise effective, interlocking cutting is outstanding in performance and will provide the user with a long service life.



| Description   Beschreibung   | Cut | ISO | Application   |
|------------------------------|-----|-----|---|
| Cross cut standard           | N   | 190 | Model cast appliances   Resins   CrCo   Precious alloys             |
| Cross cut fine               | F   | 140 | Precious alloys   Ceramics  |
| Cross cut superfine          | XF  | 110 | Composites   Non-precious alloys   Ceramics   Precious alloys       |
| Titanium toothing coarse     | XC  | 194 | Titanium   Non-precious alloys   Precious alloys                    |
| Plain toothing with traverse | TC  | 178 | Soft relinings  |
| Spiral cut superfine         | TXF | 134 | Titanium   Crowns & bridges   Non-precious alloys   Precious alloys |
| Cross cut super coarse       | SG  | 223 | Plaste   Resins   |
| Cross cut coarse             | C   | 220 | Resins  |
| Plain cut standard           | P   | 175 | Resins   Precious alloys  |

Recommended speeds |  
Non-adherence to the maximum permissible speeds increases the risk of accidents.

010-023      5.000-40.000 rpm  
025-045      15.000-30.000 rpm  
050-080      15.000-20.000 rpm

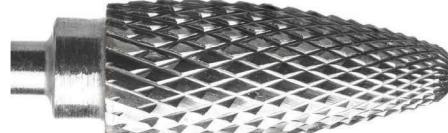
## LABORATORY

## Cross cut - standard

This instrument is used for the preparation of larger workpieces made of EM, NE and plastics (plasters, if applicable). Due to the various work areas where it can be applied, it serves as a type of „universal instrument“.



N



F

|                                       |             |
|---------------------------------------|-------------|
| Cross cut standard                    |             |
| Cross cut fine                        |             |
| <b>71</b>                             | 5           |
| Shank Ring Length mm                  |             |
| ISO Order Nr. Ø mm                    |             |
| HP 500 104 001 190... N 71.104... 010 | 014 023 050 |
| HP 500 104 001 140... F 71.104... 023 |             |

|                                       |   |
|---------------------------------------|---|
| Cross cut standard                    |   |
| Cross cut fine                        |   |
| <b>72</b>                             | 5 |
| Shank Ring Length mm                  |   |
| ISO Order Nr. Ø mm                    |   |
| HP 500 104 137 190... 72.104... 060   |   |
| HP 500 104 137 140... F 72.104... 060 |   |

|                                       |             |
|---------------------------------------|-------------|
| Cross cut standard                    |             |
| <b>73</b>                             | 5           |
| Shank Ring Length mm                  |             |
| ISO Order Nr. Ø mm                    |             |
| HP 500 104 277 190... 73.104... 014   | 023 040 060 |
| HP 500 104 277 140... F 73.104... 014 | 023 060     |

## Cross cut - fine

By using the instrument well, it is possible to achieve a very fine abrasion when working with EM, NE, plastics and, if necessary, plasters. A fine removal of material can be achieved resulting in a very smooth workpiece surface.

Cross cut standard

**77**

5

| Shank | Ring               | Length mm |                 | Ø mm |
|-------|--------------------|-----------|-----------------|------|
| ISO   |                    |           |                 |      |
| HP    | 500 104 237 190... | 77.104... | 023 029 040 060 |      |

HP 500 104 237 140... F 77.104... 014 023 029 060

Cross cut standard

**78**

5

| Shank | Ring               | Length mm |             | Ø mm |
|-------|--------------------|-----------|-------------|------|
| ISO   |                    |           |             |      |
| HP    | 500 104 257 190... | 78.104... | 012 023 060 |      |

HP 500 104 257 140... F 78.104... 040 060

Cross cut standard

**79**

5

| Shank | Ring               | Length mm |                     | Ø mm |
|-------|--------------------|-----------|---------------------|------|
| ISO   |                    |           |                     |      |
| HP    | 500 104 194 190... | 79.104... | 031 040 045 050 060 |      |

HP 500 104 194 140... F 79.104... 031 040 045 050 060

Cross cut standard

**129**

5

| Shank | Ring               | Length mm  |     | Ø mm |
|-------|--------------------|------------|-----|------|
| ISO   |                    |            |     |      |
| HP    | 500 104 141 180... | 129.104... | 023 |      |

HP 500 104 141 140... F 129.104... 023

Cross cut standard

**137**

5

| Shank | Ring               | Length mm  |         | Ø mm |
|-------|--------------------|------------|---------|------|
| ISO   |                    |            |         |      |
| HP    | 500 104 255 190... | 137.104... | 016 023 |      |

HP 500 104 255 140... F 137.104... 016

## Cross cut - standard

Cross cut standard

**138**

5

| Shank | Ring               | Length mm  |             | Ø mm |
|-------|--------------------|------------|-------------|------|
| ISO   |                    |            |             |      |
| HP    | 500 104 197 140... | 138.104... | 010 016 023 |      |

HP 500 104 198 140... F 138.104... 016 023

Cross cut standard

**139**

5

| Shank | Ring               | Length mm  |     | Ø mm |
|-------|--------------------|------------|-----|------|
| ISO   |                    |            |     |      |
| HP    | 500 104 289 190... | 139.104... | 023 |      |

HP 500 104 289 140... F 139.104... 023

Cross cut standard

**251**

5

| Shank | Ring               | Length mm  |         | Ø mm |
|-------|--------------------|------------|---------|------|
| ISO   |                    |            |         |      |
| HP    | 500 104 274 190... | 251.104... | 040 060 |      |

HP 500 104 274 140... F 251.104... 060

Cross cut standard

**257**

5

| Shank | Ring               | Length mm  |         | Ø mm |
|-------|--------------------|------------|---------|------|
| ISO   |                    |            |         |      |
| HP    | 500 104 194 190... | 257.104... | 023 060 |      |

HP 500 104 187 140... F 257.104... 023

## Cross cut - standard

Cross cut standard

**261**

5

| Shank | Ring               | Length mm  |     | Ø mm |
|-------|--------------------|------------|-----|------|
| ISO   |                    |            |     |      |
| HP    | 500 104 194 190... | 261.104... | 023 |      |

HP 500 104 194 140... F 261.104... 023

Cross cut standard

**295**

5

| Shank | Ring               | Length mm  |     | Ø mm |
|-------|--------------------|------------|-----|------|
| ISO   |                    |            |     |      |
| HP    | 500 104 292 190... | 295.104... | 023 |      |

HP 500 104 292 140... F 295.104... 010 012 016 023

Cross cut standard

**351**

5

| Shank | Ring               | Length mm  |         | Ø mm |
|-------|--------------------|------------|---------|------|
| ISO   |                    |            |         |      |
| HP    | 500 104 263 190... | 351.104... | 040 060 |      |

HP 500 104 263 140... F 351.104... 040 060

Cross cut standard

**364R**

5

| Shank | Ring               | Length mm   |     | Ø mm |
|-------|--------------------|-------------|-----|------|
| ISO   |                    |             |     |      |
| HP    | 500 104 137 190... | 364R.104... | 023 |      |

HP 500 104 137 140... F 364R.104... 023

## Cross cut - super fine

This instrument is suitable for removing gold and other precious metal alloys as well as for plastic. Especially suitable for the design of the papillae for prostheses.



XF



XC

## Cross cut super fine

**73**

5

| Shank | Ring   | Length mm          |              |     | Ø mm |
|-------|--------|--------------------|--------------|-----|------|
|       |        | 3,0                |              | 4,0 |      |
| ISO   |        |                    | Order Nr.    |     | Ø mm |
| HP    | Yellow | 500 104 277 110... | XF 73.104... | 014 | 023  |

## Cross cut super fine

**77**

5

| Shank | Ring   | Length mm          |              |     | Ø mm |
|-------|--------|--------------------|--------------|-----|------|
|       |        | 3,0                |              | 5,0 | 5,0  |
| ISO   |        |                    | Order Nr.    |     | Ø mm |
| HP    | Yellow | 500 104 237 110... | XF 77.104... | 014 | 023  |

## Cross cut super fine

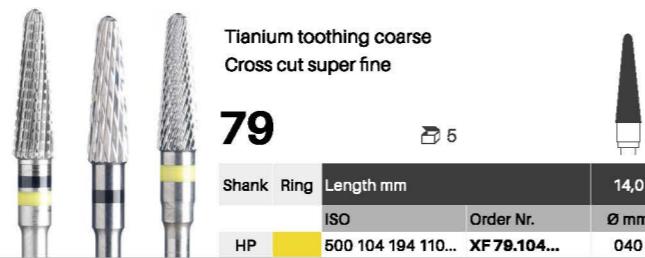
**78**

5

| Shank | Ring   | Length mm          |              |     | Ø mm |
|-------|--------|--------------------|--------------|-----|------|
|       |        | 7,0                |              |     |      |
| ISO   |        |                    | Order Nr.    |     | Ø mm |
| HP    | Yellow | 500 104 257 110... | XF 78.104... | 023 |      |

## Titanium toothing - coarse

For processing difficult-to-machine materials such as titanium.

Titanium toothing coarse  
Cross cut super fine**79**

5

| Shank | Ring   | Length mm          |              |     | Ø mm |
|-------|--------|--------------------|--------------|-----|------|
|       |        | 14,0               |              |     |      |
| ISO   |        |                    | Order Nr.    |     | Ø mm |
| HP    | Yellow | 500 104 194 110... | XF 79.104... | 040 |      |

**129**

5

| Shank | Ring   | Length mm          |               |     | Ø mm |
|-------|--------|--------------------|---------------|-----|------|
|       |        | 8,0                |               |     |      |
| ISO   |        |                    | Order Nr.     |     | Ø mm |
| HP    | Yellow | 500 104 141 110... | XF 129.104... | 023 |      |

Titanium toothing coarse  
Cross cut super fine**138**

5

| Shank | Ring   | Length mm          |               |     | Ø mm |
|-------|--------|--------------------|---------------|-----|------|
|       |        | 8,0                |               | 8,0 |      |
| ISO   |        |                    | Order Nr.     |     | Ø mm |
| HP    | Yellow | 500 104 198 110... | XF 138.104... | 016 | 023  |

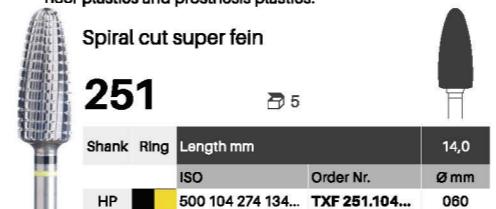
Titanium toothing coarse  
Cross cut super fine**139**

5

| Shank | Ring   | Length mm          |               |     | Ø mm |
|-------|--------|--------------------|---------------|-----|------|
|       |        | 8,0                |               |     |      |
| ISO   |        |                    | Order Nr.     |     | Ø mm |
| HP    | Yellow | 500 104 289 110... | XF 139.104... | 023 |      |

## Spiral cut - super fine |

\*These milling instruments are particularly suitable for working with difficult to machine materials such as titanium, NEM alloys, precious metals, hard model castings, plaster, veneer plastics and prosthesis plastics.



Spiral cut super fein

**251**

5

| Shank | Ring   | Length mm          |                |     | Ø mm |
|-------|--------|--------------------|----------------|-----|------|
|       |        | 14,0               |                |     |      |
| ISO   |        |                    | Order Nr.      |     | Ø mm |
| HP    | Yellow | 500 104 274 134... | TXF 251.104... | 060 |      |

## Cross cut super fine

**257**

5

| Shank | Ring   | Length mm          |               |     | Ø mm |
|-------|--------|--------------------|---------------|-----|------|
|       |        | 17,0               |               |     |      |
| ISO   |        |                    | Order Nr.     |     | Ø mm |
| HP    | Yellow | 500 104 187 110... | XF 257.104... | 023 |      |

## Cross cut super fine

**261**

5

| Shank | Ring   | Length mm          |               |     | Ø mm |
|-------|--------|--------------------|---------------|-----|------|
|       |        | 14,0               |               |     |      |
| ISO   |        |                    | Order Nr.     |     | Ø mm |
| HP    | Yellow | 500 104 194 110... | XF 261.104... | 023 |      |

## Cross cut super fine

**295**

5

| Shank | Ring   | Length mm          |               |     | Ø mm |
|-------|--------|--------------------|---------------|-----|------|
|       |        | 16,0               |               |     |      |
| ISO   |        |                    | Order Nr.     |     | Ø mm |
| HP    | Yellow | 500 104 292 110... | XF 295.104... | 023 |      |

TXF



364R



364R

| Shank | Ring | Length mm |  |  | Ø mm |
|-------|------|-----------|--|--|------|
|       |      | 16,0      |  |  |      |

ISO Order Nr. Ø mm

HP 500 104 137 110... XF3 64R.104... 023

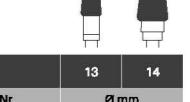
## Cross cut - X-coarse

A very high material removal is achieved with this instrument when in use for the processing of plasters and plastics. Non clogging when materials are being machined.

SG

Cross cut super coarse  
Kreuzverzahnung super grob

79



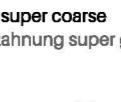
79

| Shank | Ring | Length mm |  |    | Ø mm |
|-------|------|-----------|--|----|------|
|       |      | 13        |  | 14 |      |

ISO Order Nr. Ø mm

HP 500 104 194 223... SG 79.104... 040 060

251

Cross cut super coarse  
Kreuzverzahnung super grob

251



251

| Shank | Ring | Length mm |  |  | Ø mm |
|-------|------|-----------|--|--|------|
|       |      | 14        |  |  |      |

ISO Order Nr. Ø mm

HP 500 104 274 223... SG 251.104... 060

## Plain toothing with transverse - coarse

Soft Acrylics | This instrument is perfect for the editing of any dental materials. The removal of material is easy to dispense of through this light and fine simple toothing. The workpiece is also left with a smooth surface.



Plain toothing with transverse coarse

**77**

郢 5

| Shank | Ring | Length mm          | Ø mm         |
|-------|------|--------------------|--------------|
| ISO   |      | 9,0                | Ø mm         |
| HP    | TC   | 500 104 237 176... | TC 77.104... |



Cross cut coarse

Plain toothing with transverse coarse

**79**

郢 5

| Shank | Ring | Length mm          | 13,0         | 14,0 | 14  | 14 |
|-------|------|--------------------|--------------|------|-----|----|
| ISO   |      |                    | Ø mm         |      |     |    |
| HP    | C    | 600 104 194 176... | TC 79.104... | 040  | 045 |    |



Cross cut coarse

Plain toothing with transverse coarse

**251**

郢 5

| Shank | Ring | Length mm          | 14,0          |
|-------|------|--------------------|---------------|
| ISO   |      | Ø mm               | Ø mm          |
| HP    | TC   | 500 104 274 176... | TC 251.104... |



Plain toothing with transverse coarse

**351**

郢 5

| Shank | Ring | Length mm          | 12,0          |
|-------|------|--------------------|---------------|
| ISO   |      | Ø mm               | Ø mm          |
| HP    | TC   | 500 104 263 176... | TC 351.104... |



Plain toothing with transverse coarse

**261**

郢 5

| Shank | Ring | Length mm          | 14,0          |
|-------|------|--------------------|---------------|
| ISO   |      | Ø mm               | Ø mm          |
| HP    | TC   | 500 104 194 176... | TC 261.104... |



## Plain cut - standard

This instrument serves purely as a cutting tool.



Plain cut standard

Einfachverzahnung standard

**71P**

郢 5

| Shank | Ring | Length mm          | Ø mm         |
|-------|------|--------------------|--------------|
| ISO   |      | Ø mm               | Ø mm         |
| HP    | P    | 600 104 001 176... | P 71.104...F |

Plain cut standard

Einfachverzahnung standard

**77P**

郢 5

| Shank | Ring | Length mm          | 9,0         | 11,0    |
|-------|------|--------------------|-------------|---------|
| ISO   |      | Ø mm               | Ø mm        |         |
| HP    | P    | 500 104 237 175... | P 77.104... | 040 060 |

Plain cut standard

Einfachverzahnung standard

**79P**

郢 5

| Shank | Ring | Length mm          | 13,0        | 14,0    |
|-------|------|--------------------|-------------|---------|
| ISO   |      | Ø mm               | Ø mm        |         |
| HP    | P    | 500 104 194 175... | P 79.104... | 040 060 |

Plain cut standard

Einfachverzahnung standard

**251P**

郢 5

| Shank | Ring | Length mm          | 14,0         |
|-------|------|--------------------|--------------|
| ISO   |      | Ø mm               | Ø mm         |
| HP    | P    | 500 104 274 175... | P 251.104... |

Plain cut standard

Einfachverzahnung standard

**261P**

郢 5

| Shank | Ring | Length mm          | 14,0         |
|-------|------|--------------------|--------------|
| ISO   |      | Ø mm               | Ø mm         |
| HP    | P    | 500 104 194 176... | P 261.104... |

## Diamond discs

The high-precision manufacturing guarantees a homogeneous spreading of the diamond particles. This ensures a vibration-free cutting. An increased durability is achieved through an extensive electrical plating process. Diamond discs are suitable for all kinds of application, e.g. separating and contouring of ceramic veneers, trimming of prosthetic acrylics, cutting plaster models, separating objects for sawing and detaching objects.

## Flex

**345**

郢 1

| Shank | Ring | Length mm           | 0,20       | 0,30 | 0,20 | 0,30 |
|-------|------|---------------------|------------|------|------|------|
| ISO   |      | Ø mm                | Ø mm       | Ø mm | Ø mm | Ø mm |
| HP    | 345  | 806 104 345 524 ... | 345.104... | 190  | 220  | 220  |



## Superflex

**350**

郢 1

| Shank | Ring | Length mm           | 0,15       | 0,25 |
|-------|------|---------------------|------------|------|
| ISO   |      | Ø mm                | Ø mm       | Ø mm |
| HP    | 350  | 806 104 350 524 ... | 350.104... | 220  |

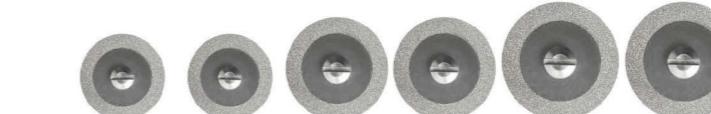


## Superflex

**355**

郢 1

| Shank | Ring | Length mm           | 0,15       | 0,25 | 0,15 | 0,25 | 0,15 | 0,25 |
|-------|------|---------------------|------------|------|------|------|------|------|
| ISO   |      | Ø mm                | Ø mm       | Ø mm | Ø mm | Ø mm | Ø mm | Ø mm |
| HP    | 355  | 806 104 355 524 ... | 355.104... | 160  | 190  | 220  | 180  | 200  |



## Mini Discs

Specially designed for applications in areas where access is difficult.

## Silver Cut

**361**

郢 1

| Shank | Ring | Length mm           | 0,15         | 0,15    |
|-------|------|---------------------|--------------|---------|
| ISO   |      | Ø mm                | Ø mm         | Ø mm    |
| HP    | 361  | 806 104 361 514 ... | F 361.104... | 080 100 |



## ULTRAFLEX

The Ultraflex is an ultra-thin diamond disc, which can be used for the separation and contouring of ceramic materials and plastic foils. The high flexibility of the Ultraflex gives the user a high degree of security during the application.

## Ultraflex

**366**

郢 1

| Shank | Ring | Length mm           | 0,09          |
|-------|------|---------------------|---------------|
| ISO   |      | Ø mm                | Ø mm          |
| HP    | 366  | 806 104 366 504 ... | XF 366.104... |



## Ultraflex

**367**

郢 1

| Shank | Ring | Length mm | 0,09 |
|-------|------|-----------|------|
|-------|------|-----------|------|



## LABORATORY ABRASIVE BURS INSTRUMENTS

## GENERAL DENTISTRY DEPARTMENT

### DIASYNT PLUS

8.000 - 12.000 rpm  
max. 25.000 rpm

Porcelain (Zirconia, Lithium-Disilicate, Veneer Porcelain, Feldspathic Porcelain)  
Synthetic bonding and diamond impregnation  
High abrasion rate  
Minimal heat development  
Suitable for application without water cooling  
For reducing crown margins

### Diasynt Plus coarse Porcelain

### DYP

|       | 1/10      |      |      |      |      |      |      |      |      |
|-------|-----------|------|------|------|------|------|------|------|------|
| Shank | Length mm | 4,0  | 2,0  | 2,0  | 3,0  | 10,0 | 13,0 | 13,0 | 3,0  |
|       | Ø mm      | 22,0 | 22,0 | 12,0 | 11,6 | 4,0  | 6,0  | 6,6  | 15,0 |
| HP    | Order Nr. | 8000 | 8002 | 8048 | 8049 | 8053 | 8054 | 8064 | 8055 |

### Diasynt Plus medium Porcelain

### DYP

|       | 1/10      |      |      |      |      |      |      |      |      |
|-------|-----------|------|------|------|------|------|------|------|------|
| Shank | Length mm | 4,0  | 2,0  | 2,0  | 3,0  | 10,0 | 13,0 | 13,0 | 3,0  |
|       | Ø mm      | 22,0 | 22,0 | 12,0 | 11,6 | 4,0  | 5,0  | 6,5  | 15,0 |
| HP    | Shape Nr. | 8100 | 8102 | 8148 | 8149 | 8153 | 8154 | 8164 | 8155 |

### Diasynt Plus coarse Porcelain

### DYP

|       | 1/10      |      |      |      |
|-------|-----------|------|------|------|
| Shank | Length mm | 7,5  | 10,0 | 3,0  |
|       | Ø mm      | 3,0  | 4,0  | 11,5 |
| RA    | Order Nr. | 8081 | 8083 | 8079 |

### Diasynt Plus medium Porcelain

### DYP

|       | 1/10      |      |      |      |
|-------|-----------|------|------|------|
| Shank | Length mm | 7,5  | 10,0 | 3,0  |
|       | Ø mm      | 3,0  | 4,0  | 11,5 |
| RA    | Order Nr. | 8181 | 8183 | 8179 |

### DIADUR

10.000 - 16.000 rpm  
max. 35.000 rpm

Porcelain, Metal | Ceramic bonding and diamond impregnation | Excellent edge stability  
Maintains shape during application | Excellent durability | Heat resistant |

### Diadur coarse Porcelain, Metal

### DDU

1/10



### Diadur coarse Porcelain, Metal

### DDU

1/10



### Diadur medium Porcelain, Metal

### DDU

1/10



### Diadur medium Porcelain, Metal

### DDU

1/10



## GENERAL DENTISTRY DEPARTMENT

### UNIVERSAL BL - Medium

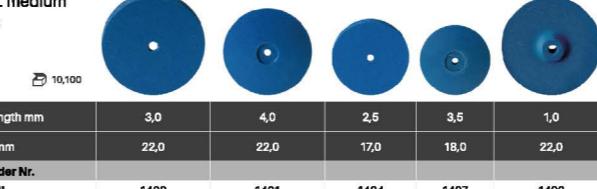
7.000 - 10.000 rpm  
max. 20.000 rpm

Porcelain, Precious Metal, Acrylic, Composite  
For satin finish on precious metals  
Soft silicone bonding adapts to the surface being processed  
Silicone carbide abrasive

### Universal BL medium All Materials

### UNI

10,100



### Universal BL medium All Materials

### UNI

10,100



### Universal BL medium All Materials

### UNI

10,100



### Diadur medium Porcelain, Metal

### DDU

1/10



### Diadur medium Porcelain, Metal

### DDU

1/10



## GENERAL DENTISTRY DEPARTMENT

### UNIVERSAL Coarse

7.000 - 10.000 rpm  
max. 20.000 rpm

Porcelain, Precious Metal, Acrylic, Composite For smoothing all dental materials  
Soft silicone bonding adapts to the surface being processed  
Various shapes for different applications | Silicone carbide abrasive

### Universal coarse All Materials

### UNI

10,100

| Shank | Length mm | 3,0  | 4,0  | 2,5  | 3,5  | 2,5  | 1,0  |
|-------|-----------|------|------|------|------|------|------|
|       | Ø mm      | 22,0 | 22,0 | 17,0 | 18,0 | 15,0 | 22,0 |
| UM    | Order Nr. | 1000 | 1001 | 1004 | 1007 | 1008 | 1002 |

### Universal coarse All Materials

### UNI

10,100

| Shank | Length mm | 24,0 | 20,0 | 20,0 | 20,0 |
|-------|-----------|------|------|------|------|
|       | Ø mm      | 6,0  | 7,0  | 8,0  | 12,0 |
| UM    | Order Nr. | 1016 | 1017 | 1019 | 1022 |

### Universal coarse All Materials

### UNI

10,100

| Shank | Length mm | 10,0 | 2,5  | 2,5  | 12,0 |
|-------|-----------|------|------|------|------|
|       | Ø mm      | 5,0  | 14,5 | 14,5 | 14,0 |
| HP    | Order Nr. | 1062 | 1066 | 1056 | 1060 |

### Universal coarse All Materials

### UNI

10,100

| Shank | Length mm | 15,0 | 12,0 | 11,5 | 16,0 | 8,5  |
|-------|-----------|------|------|------|------|------|
|       | Ø mm      | 5,5  | 4,5  | 6,0  | 5,0  | 9,0  |
| HP    | Order Nr. | 1041 | 1042 | 1043 | 1044 | 1046 |

### Universal coarse All Materials

### UNI

10,100

| Shank | Length mm | 6,5  | 10,0 | 2,0  | 2,5  |
|-------|-----------|------|------|------|------|
|       | Ø mm      | 8,0  | 7,0  | 11,0 | 11,0 |
| HP    | Order Nr. | 1046 | 1047 | 1048 | 1049 |

# LABORATORY POLISHER BURS INSTRUMENTS

## GENERAL DENTISTRY DEPARTMENT

### DIAPOL

**Porcelain** Extra coarse option for surface shaping

High shine results without glazing

Diapol coarse

Porcelain



DPL

|           |           |                                  |      |                                  |                               |
|-----------|-----------|----------------------------------|------|----------------------------------|-------------------------------|
| Shank     | Length mm | 2,0                              | 1,0  | 1,6                              | 1,6                           |
|           | Ø mm      | 28,0                             | 20,0 | 14,0                             | 17,0                          |
| Order Nr. |           |                                  |      |                                  |                               |
| HP        | DPL.H...  | 7000                             | 7001 | 7054                             | 7057                          |
|           |           | 5.000 - 10.000 min <sup>-1</sup> |      | 7.500 - 12.000 min <sup>-1</sup> | max. 16.000 min <sup>-1</sup> |
|           |           |                                  |      |                                  | max. 20.000 min <sup>-1</sup> |

Diapol coarse

Porcelain

DPL

|           |           |      |      |      |      |
|-----------|-----------|------|------|------|------|
| Shank     | Length mm | 2,5  | 2,5  | 20,0 | 22,0 |
|           | Ø mm      | 17,0 | 15,0 | 2,0  | 3,0  |
| Order Nr. |           |      |      |      |      |
| HP        | DPL...    | 7004 | 7008 | 7032 | 7033 |

Diapol coarse

Porcelain

DPL

|           |           |      |      |      |      |      |      |      |
|-----------|-----------|------|------|------|------|------|------|------|
| Shank     | Length mm | 7,5  | 13,0 | 16,0 | 2,0  | 2,5  | 2,5  | 0,5  |
|           | Ø mm      | 3,0  | 4,0  | 5,0  | 11,0 | 14,5 | 14,5 | 22,0 |
| Order Nr. |           |      |      |      |      |      |      |      |
| HP        | DPL.H...  | 7051 | 7042 | 7044 | 7048 | 7055 | 7056 | 7062 |

Diapol fine

Porcelain

DPL

|           |           |      |      |      |      |
|-----------|-----------|------|------|------|------|
| Shank     | Length mm | 2,0  | 1,0  | 1,6  | 1,6  |
|           | Ø mm      | 28,0 | 20,0 | 14,0 | 17,0 |
| Order Nr. |           |      |      |      |      |
| HP        | DPL.H...  | 7200 | 7201 | 7254 | 7257 |

Diapol fine

Porcelain

DPL

|           |           |      |      |      |      |
|-----------|-----------|------|------|------|------|
| Shank     | Length mm | 2,5  | 2,5  | 20,0 | 22,0 |
|           | Ø mm      | 17,0 | 15,0 | 2,0  | 3,0  |
| Order Nr. |           |      |      |      |      |
| HP        | DPL...    | 7204 | 7208 | 7232 | 7233 |

Available in TWIST shape for even easier application

Diapol XX-coarse  
Porcelain

DPL

|           |           |      |      |      |      |
|-----------|-----------|------|------|------|------|
| Shank     | Length mm | 2,0  | 2,5  | 2,0  | 2,5  |
|           | Ø mm      | 26,0 | 17,0 | 26,0 | 17,0 |
| Order Nr. |           |      |      |      |      |
| HP        | DPL.H...  | 6800 | 6804 | 6900 | 6904 |

7.000 - 10.000 rpm  
max. 20.000 rpm

Diapol medium  
Porcelain

DPL

|           |           |      |      |      |      |
|-----------|-----------|------|------|------|------|
| Shank     | Length mm | 2,0  | 1,0  | 1,6  | 1,6  |
|           | Ø mm      | 26,0 | 20,0 | 14,0 | 17,0 |
| Order Nr. |           |      |      |      |      |
| HP        | DPL.H...  | 7100 | 7101 | 7154 | 7157 |

Diapol medium  
Porcelain

DPL

|           |           |      |      |      |      |
|-----------|-----------|------|------|------|------|
| Shank     | Length mm | 2,5  | 2,5  | 20,0 | 22,0 |
|           | Ø mm      | 17,0 | 15,0 | 2,0  | 3,0  |
| Order Nr. |           |      |      |      |      |
| HP        | DPL.H...  | 7104 | 7108 | 7132 | 7133 |

Diapol medium  
Porcelain

DPL

|           |           |      |      |      |      |      |      |      |
|-----------|-----------|------|------|------|------|------|------|------|
| Shank     | Length mm | 7,5  | 13,0 | 16,0 | 2,0  | 2,5  | 2,5  | 0,5  |
|           | Ø mm      | 3,0  | 4,0  | 5,0  | 11,0 | 14,5 | 14,5 | 22,0 |
| Order Nr. |           |      |      |      |      |      |      |      |
| HP        | DPL.H...  | 7151 | 7142 | 7144 | 7148 | 7155 | 7156 | 7162 |

Porcelain  
Diapol fine

DPL

|           |           |      |      |      |      |      |      |      |
|-----------|-----------|------|------|------|------|------|------|------|
| Shank     | Length mm | 7,5  | 13,0 | 16,0 | 2,0  | 2,5  | 2,5  | 0,5  |
|           | Ø mm      | 3,0  | 4,0  | 5,0  | 11,0 | 14,5 | 14,5 | 22,0 |
| Order Nr. |           |      |      |      |      |      |      |      |
| HP        | DPL.H...  | 7251 | 7242 | 7244 | 7248 | 7255 | 7256 | 7282 |

VERY FLEXIBLE  
SEHR FLEXIBEL

### DIAPRO

7.000 - 10.000 rpm  
max. 20.000 rpm

Lithium Disilicate  
Diapro medium  
Lithium Disilicate

DPR

|           |           |      |      |      |      |      |
|-----------|-----------|------|------|------|------|------|
| Shank     | Length mm | 2,0  | 1,0  | 13,0 | 2,0  | 2,5  |
|           | Ø mm      | 26,0 | 20,0 | 4,0  | 11,0 | 17,0 |
| Order Nr. |           |      |      |      |      |      |
| HP        | DPR.H...  | 7800 | 7801 | 7842 | 7848 | 7804 |

Optimized for polishing silicate ceramics  
Before polishing, grinding is done with Diasynt® Plus

Only two polishing steps for high shine results

Diapro fine  
Lithium Disilicate

DPR

|           |           |      |      |      |      |      |
|-----------|-----------|------|------|------|------|------|
| Shank     | Length mm | 2,0  | 1,0  | 13,0 | 2,0  | 2,5  |
|           | Ø mm      | 26,0 | 20,0 | 4,0  | 11,0 | 17,0 |
| Order Nr. |           |      |      |      |      |      |
| HP        | DPR.H...  | 7900 | 7901 | 7842 | 7948 | 7904 |

### DIACERA

7.000 - 10.000 rpm  
max. 20.000 rpm

Zirconia, Alumina  
Diacera medium  
Zirconia, Alumina

DCA

|           |           |      |      |      |      |      |
|-----------|-----------|------|------|------|------|------|
| Shank     | Length mm | 2,0  | 1,0  | 13,0 | 2,0  | 2,5  |
|           | Ø mm      | 26,0 | 20,0 | 4,0  | 11,0 | 17,0 |
| Order Nr. |           |      |      |      |      |      |
| HP        | DCA.H...  | 7600 | 7601 | 7642 | 7648 | 7604 |

Especially suitable for full contour zirconia restorations

High diamond concentration for more efficiency

Makes glazing unnecessary

Before polishing, grinding is done with Diasynt® Plus

DCA fine  
Zirconia, Alumina

|       |           |     |     |      |     |     |
|-------|-----------|-----|-----|------|-----|-----|
| Shank | Length mm | 2,0 | 1,0 | 13,0 | 2,0 | 2,5 |
|-------|-----------|-----|-----|------|-----|-----|

DIASTRIPES 

Porcelain, Composite, Metal, Natural Tooth For manual surface processing Interdental application Perforation cools and removes the cut material

## Flexistripes

## FXS

| Grit      | Length mm |      |      |      |      |      |
|-----------|-----------|------|------|------|------|------|
|           | 4,0       | 2,5  | 4,0  | 2,5  | 4,0  | 2,5  |
|           | Ø mm      | 150  | 150  | 150  | 150  | 150  |
| FXS.91... | 9101      | 9106 | 9102 | 9107 | 9103 | 9108 |

SOFT WHEELS 

\*Denture Acrylics, Soft Reliners, Mouthguard, Bleaching Trays  
Impregnated with polishing media | No additional polishing paste required  
High shine on acrylics | Aluminium oxide abrasive

## Soft wheels

Denture Acrylics \*

## SFW

| Shank     | Length mm |      |      |
|-----------|-----------|------|------|
|           | 3,0       | 3,0  | 3,0  |
|           | Ø mm      | 22,0 | 22,0 |
| UM SFW... | 9801      | 9802 | 9803 |

FLEXI - D 

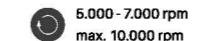
Composite, Metal Especially for interdental polishing | Coated with aluminium oxide

FLEXI D 22mm  
Composite, Metal

## FXD

| Shank     | Length mm |      |      |      |      |
|-----------|-----------|------|------|------|------|
|           | 0,21      | 0,17 | 0,14 | 0,11 | 0,21 |
|           | Ø mm      | 22,0 | 22,0 | 22,0 | 22,0 |
| UM FXD... | 9181      | 9182 | 9183 | 9184 | 9181 |
|           |           |      |      |      | 9161 |
|           |           |      |      |      | 9162 |
|           |           |      |      |      | 9163 |
|           |           |      |      |      | 9164 |

## Diabrush &amp; GZ Brush



Porcelain, Composite, Metal Diamond abrasive for more efficiency  
Heat resistant polyamide fiber – autoclavable Application without polishing paste

Diabrush medium  
Porcelain, Composite, Metal

## DBD

| Shank        | Length mm |      |      |
|--------------|-----------|------|------|
|              | 5,5       | 6,5  | 6,5  |
|              | Ø mm      | 060  | 040  |
| RA DBD.RA... | 9481      | 9482 | 9483 |

Porcelain, Composite, Metal

Silicon carbide impregnated polishing brushes, autoclavable.

Brush coarse  
Porcelain, Composite, Metal

## DBS

| Shank        | Length mm |      |      |
|--------------|-----------|------|------|
|              | 1,6       | 1,6  | 1,6  |
|              | Ø mm      | 014  | 014  |
| RA DBS.RA... | 9491      | 9492 | 9493 |

## Uni Brushes

UniBrush is an improved selection of miniature wheel brushes with HP shanks. We only use the finest quality materials and components to produce these superior polishing brushes. For polishing of precious metal alloys, acrylic teeth, non precious metal alloys, composite, ceramics, etc. For best results use with (diamond) polishing paste.

## Uni Brush hard

## 431C

| Shank           | Length mm |     |     |     |
|-----------------|-----------|-----|-----|-----|
|                 | 210       | 190 | 170 | 140 |
|                 | Ø mm      |     |     |     |
| HP C.431.104... | 210       | 190 | 170 | 140 |

## Uni Brush medium

## 431N

| Shank         | Length mm |     |     |     |
|---------------|-----------|-----|-----|-----|
|               | 210       | 190 | 170 | 140 |
|               | Ø mm      |     |     |     |
| HP 431.104... | 210       | 190 | 170 | 140 |

## Uni Brush soft

## 431F

| Shank           | Length mm |     |     |     |
|-----------------|-----------|-----|-----|-----|
|                 | 210       | 190 | 170 | 140 |
|                 | Ø mm      |     |     |     |
| HP F.431.104... | 210       | 190 | 170 | 140 |

## Uni Brush extra soft

## 431XF

| Shank            | Length mm |     |     |     |
|------------------|-----------|-----|-----|-----|
|                  | 210       | 190 | 170 | 140 |
|                  | Ø mm      |     |     |     |
| HP XF.431.104... | 210       | 190 | 170 | 140 |

## Wire Brush

## 431WM

| Shank            | Length mm |     |     |     |
|------------------|-----------|-----|-----|-----|
|                  | 210       | 190 | 170 | 140 |
|                  | Ø mm      |     |     |     |
| HP WM.431.210... | 210       | 190 | 170 | 140 |

## Uni Brush

## 550DF

| Shank            | Length mm |     |     |     |
|------------------|-----------|-----|-----|-----|
|                  | 240       | 210 | 190 | 170 |
|                  | Ø mm      |     |     |     |
| HP DF.550.104... | 240       | 210 | 190 | 170 |

## Uni Brush

## 550DE

| Shank            | Length mm |     |     |     |
|------------------|-----------|-----|-----|-----|
|                  | 210       | 190 | 170 | 140 |
|                  | Ø mm      |     |     |     |
| HP DE.550.104... | 210       | 190 | 170 | 140 |

# NIC®

KD  
Kafou Dent

188

# NIC®

## Endodontics Solution



# PAGE INDEX

Rotary Files

U+File Gold ( 6 Files ) 30% Flex  
U+Blue ( 6 Files ) 60% Flex  
W+File Gold ( One file ) 30% Flex  
EZ-One Blue( One file ) 60% Flex

Page 190

Rotary Files

EZ-Pass Blue ( 2 Files ) 60% Flex  
X+ File ( 3 Files ) 30% Flex  
X Blue ( 3 Files ) 60% Flex  
X Grey ( 3 Files ) 90% Flex

Page 198

Rotary Files

Rotary K Files, H File ,  
Rotary Reamer, Condenser  
Rotary Paste Carrier  
Gates Gliden, Peeso Reamer

Page 208

Hands Files

K Files , H Files , C-Files  
Condenser Hand File  
Reamer Hand File  
Barbed Broach

Page 212

Rotary Files

O+ File Gold Retreatment 30% Flex  
T+ File Gold Glide Path File 30% Flex

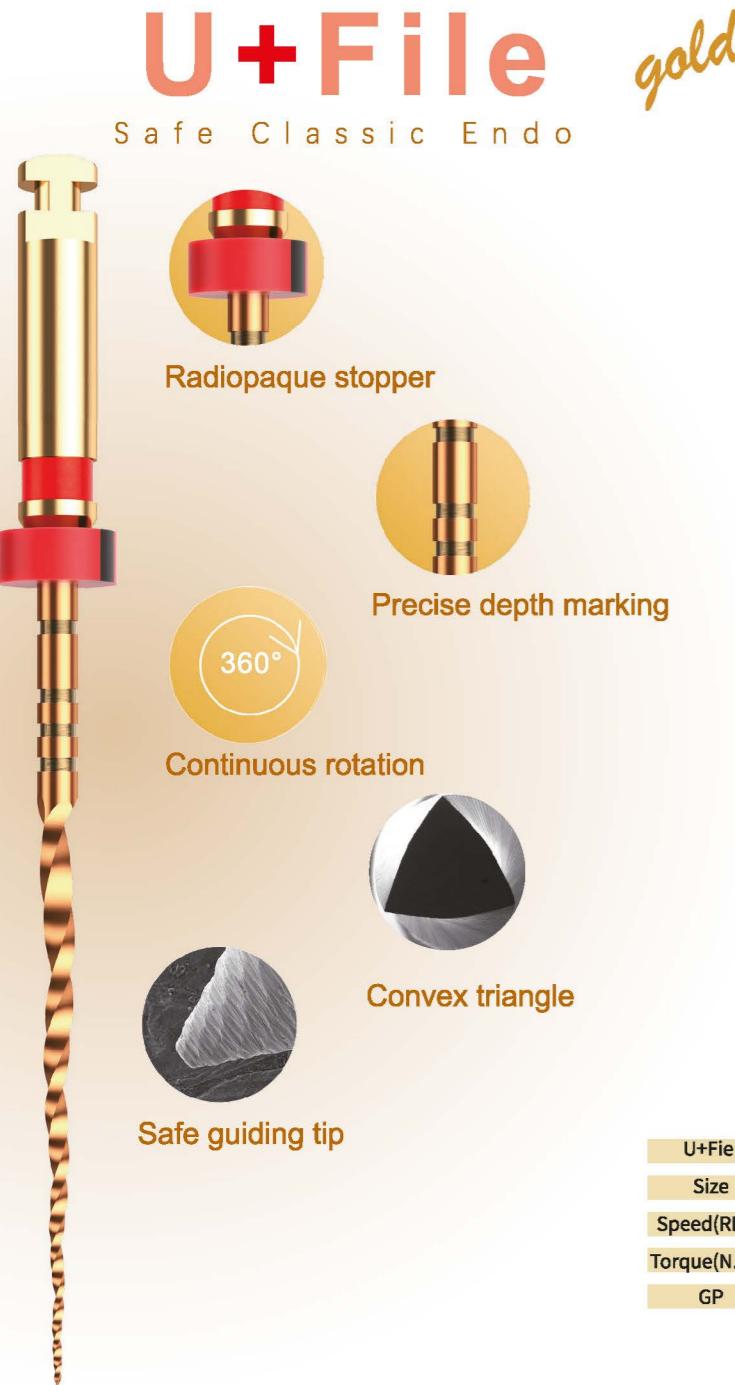
Page 206

Obturation

Spreader , Plugger  
GP Plugger, Endo Debrider  
Accessories  
Alpha End Motor- Cordless NEW

Page 215

189

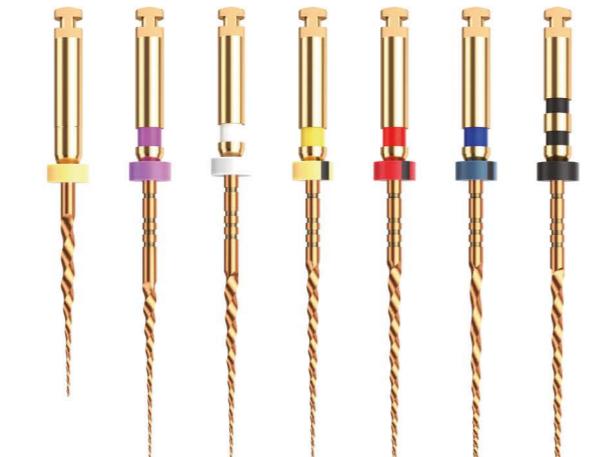


## Features

- MaxTech 3.0 NiTi alloy
- Triangular cross section design
- Variable taper design to have accurate shaping
- Perfect balance between flexibility and cutting ability
- Extended fatigue life
- Safe classic sequence

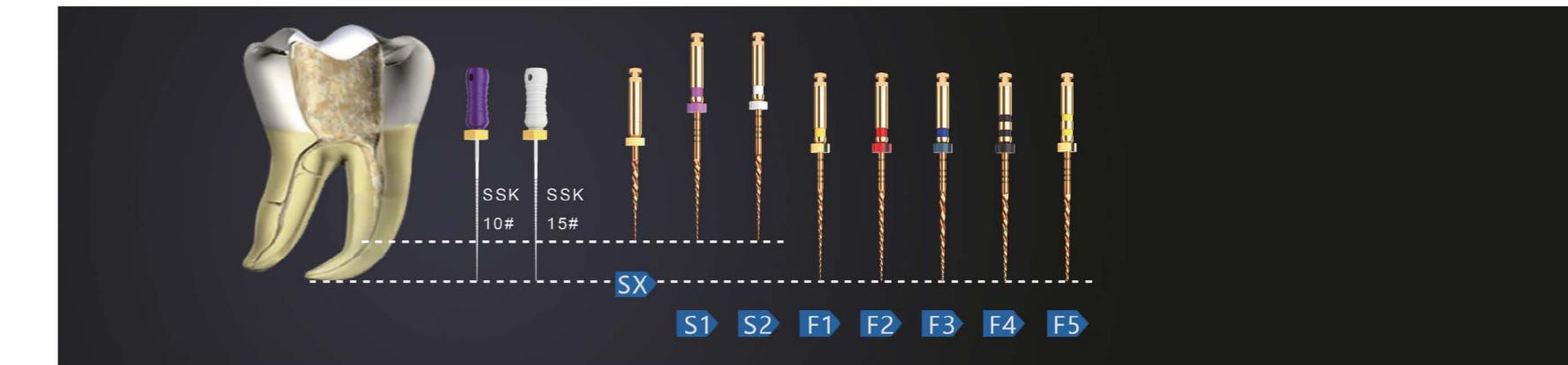
**30%**  
More Flexibility

## Specifications



| U+File       | SX    | S1    | S2    | F1    | F2    | F3    | F4    | F5    |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size         | 19/04 | 18/02 | 20/04 | 20/07 | 25/08 | 30/09 | 40/06 | 50/05 |
| Speed(RPM)   | 300   | 300   | 300   | 300   | 300   | 300   | 300   | 300   |
| Torque(N.CM) | 3.0   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 3.0   |
| GP           |       |       |       | F1    | F2    | F3    | F4    | F5    |

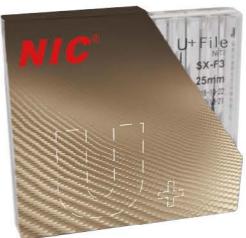
## Sequence



- ① Scout the canal with SS K #10
- ② Explore the canal with SS K #15
- ③ Use SX to expand the canal orifice
- ④ Scout coronal 2/3 & shaping this part with S1, S2
- ⑤ Scout apical 1/3 & follow S1, S2 until working length
- ⑥ Finish the apical 1/3 with F1, F2
- ⑦ F4, F5 followed when needed

## References

| Size  | 19mm        | 21mm        | 25mm        | 31mm        |
|-------|-------------|-------------|-------------|-------------|
| SX    | AFU 019 OSX |             |             |             |
| S1    |             | AFU 021 OS1 | AFU 025 OS1 | AFU 031 OS1 |
| S2    |             | AFU 021 OS2 | AFU 025 OS2 | AFU 031 OS2 |
| F1    |             | AFU 021 OF1 | AFU 025 OF1 | AFU 031 OF1 |
| F2    |             | AFU 021 OF2 | AFU 025 OF2 | AFU 031 OF2 |
| F3    |             | AFU 021 OF3 | AFU 025 OF3 | AFU 031 OF3 |
| F4    |             | AFU 021 OF4 | AFU 025 OF4 | AFU 031 OF4 |
| F5    |             | AFU 021 OF5 | AFU 025 OF5 | AFU 031 OF5 |
| SX-F3 |             | AFU 021 A01 | AFU 025 A01 | AFU 031 A01 |



# U-Blue

Blue

Ultra-Safe Endo



Radiopaque stopper



Precise depth marking



Continuous rotation



R-phase NiTi



Convex triangle



Safe guiding tip

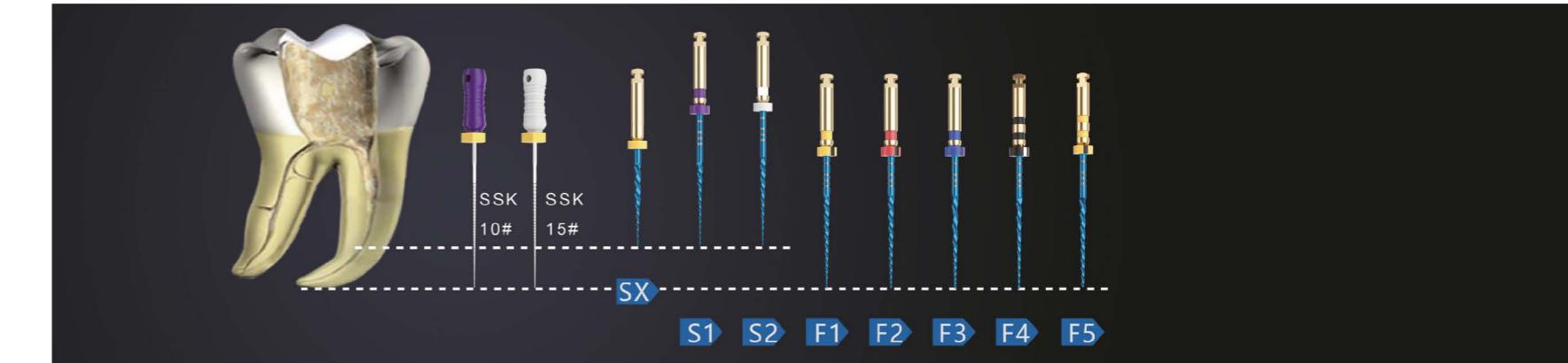
## Features

- MaxTech 6.0 NiTi alloy
- Triangular cross section design
- Variable taper design to have accurate shaping
- More flexibility and maintain the same cutting ability
- High fracture resistance
- Ultra-Safe sequence

60%

More Flexibility

## Sequence



## Specifications



| U-Blue       | SX     | S1     | S2     | F1     | F2     | F3     | F4     | F5     |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Size         | 19/.04 | 18/.02 | 20/.04 | 20/.07 | 25/.06 | 30/.09 | 40/.06 | 50/.05 |
| Speed(RPM)   | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    |
| Torque(N.CM) | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| GP           |        |        |        | F1     | F2     | F3     | F4     | F5     |

- ① Scout the canal with SS K #10
- ② Explore the canal with SS K #15
- ③ Use SX to expand the canal orifice
- ④ Scout coronal 2/3 & shaping this part with S1, S2
- ⑤ Scout apical 1/3 & follow S1, S2 until working length
- ⑥ Finish the apical 1/3 with F1, F2
- ⑦ F4, F5 followed when needed

## References

| Size  | 19mm        | 21mm        | 25mm        | 31mm        |
|-------|-------------|-------------|-------------|-------------|
| SX    | BFU 019 OSX |             |             |             |
| S1    |             | BFU 021 OS1 | BFU 025 OS1 | BFU 031 OS1 |
| S2    |             | BFU 021 OS2 | BFU 025 OS2 | BFU 031 OS2 |
| F1    |             | BFU 021 OF1 | BFU 025 OF1 | BFU 031 OF1 |
| F2    |             | BFU 021 OF2 | BFU 025 OF2 | BFU 031 OF2 |
| F3    |             | BFU 021 OF3 | BFU 025 OF3 | BFU 031 OF3 |
| F4    |             | BFU 021 OF4 | BFU 025 OF4 | BFU 031 OF4 |
| F5    |             | BFU 021 OF5 | BFU 025 OF5 | BFU 031 OF5 |
| SX-F3 |             | BFU 021 A01 | BFU 025 A01 | BFU 031 A01 |



**W+File**

One File Endo

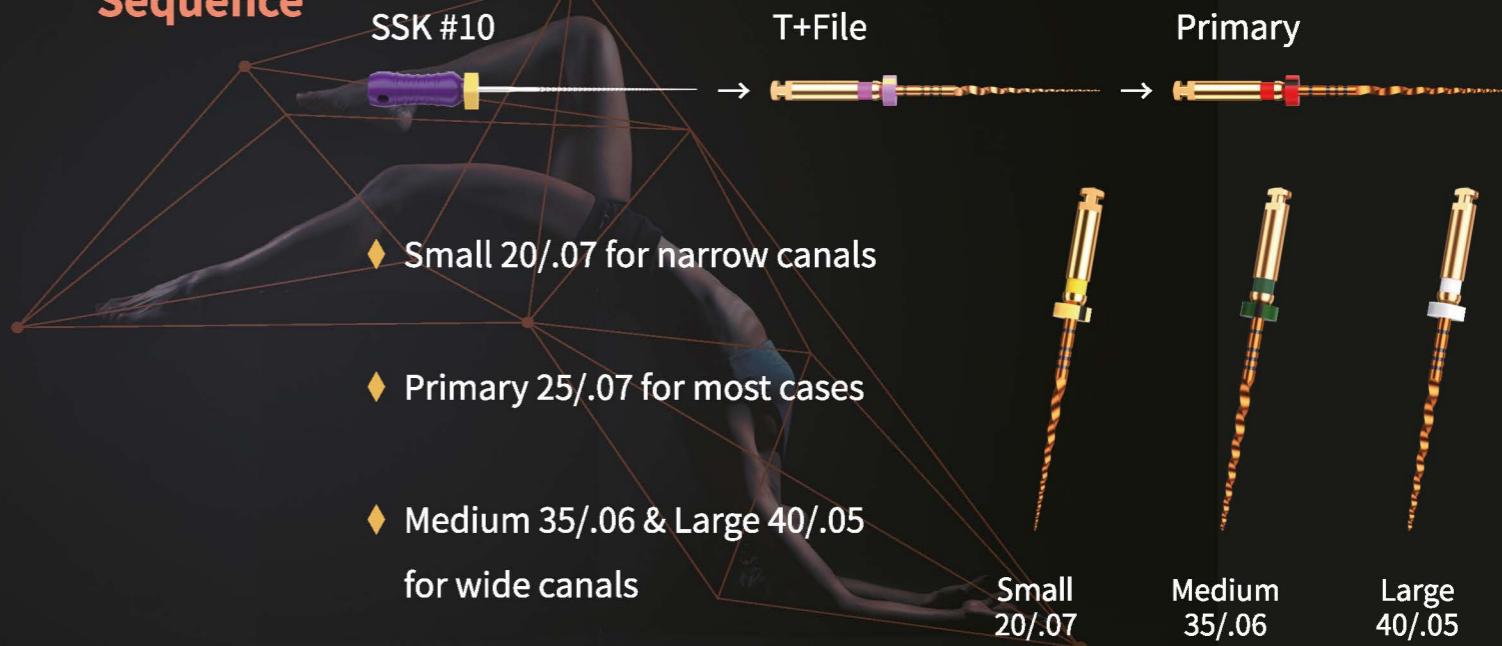
gold

**Features**

- MaxTech 3.0 NiTi alloy
- Parallelogram cross section
- Variable regressive taper design to have accurate shaping
- Strong cutting ability shorten cutting time
- More space for debris removal
- Progressive pitch reduce screw-in
- One file system

**30%**  
More Flexibility**Specifications**

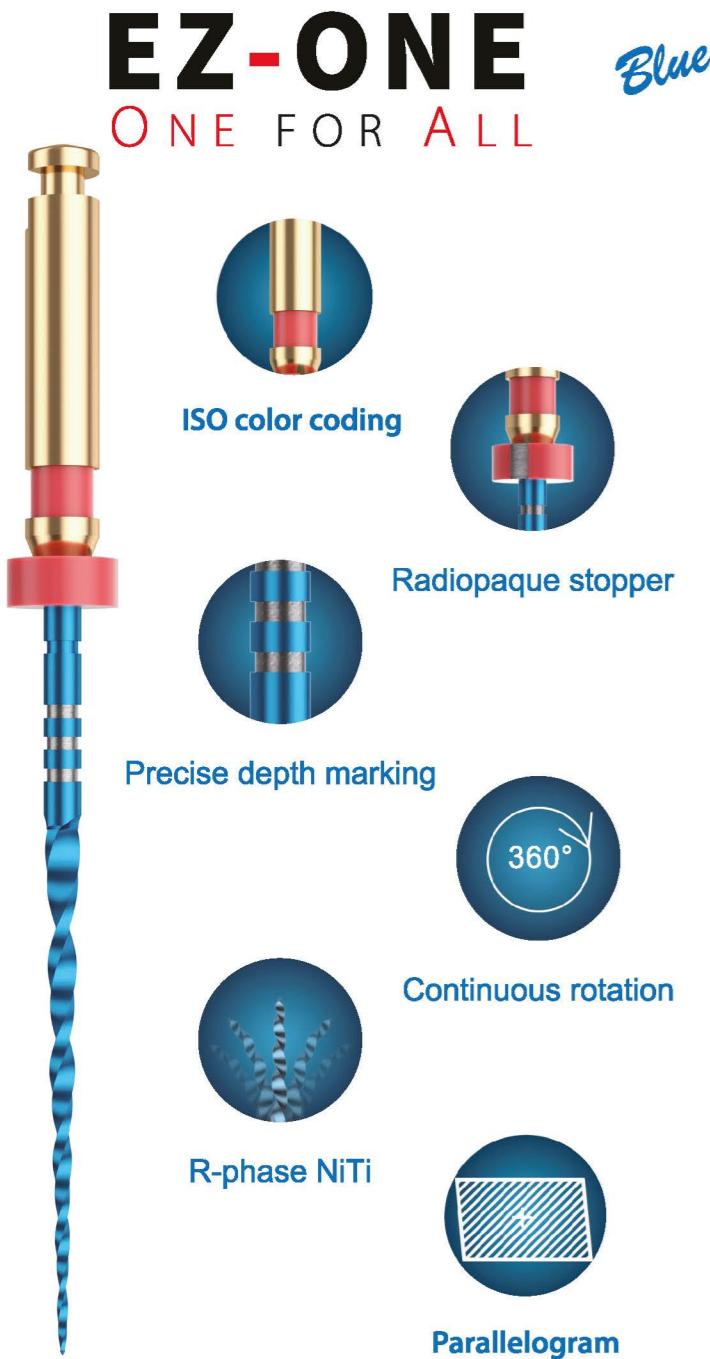
| W+File       | Small         | Primary       | Medium        | Large         |
|--------------|---------------|---------------|---------------|---------------|
| Size         | 20/0.07       | 25/0.07       | 35/0.06       | 40/0.05       |
| Speed(RPM)   | Reciprocating | Reciprocating | Reciprocating | Reciprocating |
| Torque(N.CM) | Reciprocating | Reciprocating | Reciprocating | Reciprocating |
| GP           | Small         | Primary       | Medium        | Large         |

**Sequence**

- Scout the canal with hand use file
- Create glide path by any path function file
- Choose proper size shaping files
- Shaping the canal with the chose W+File until it reaches working length
- After shaping and finishing is done, then choose the matched GP points for obturation.

**References**

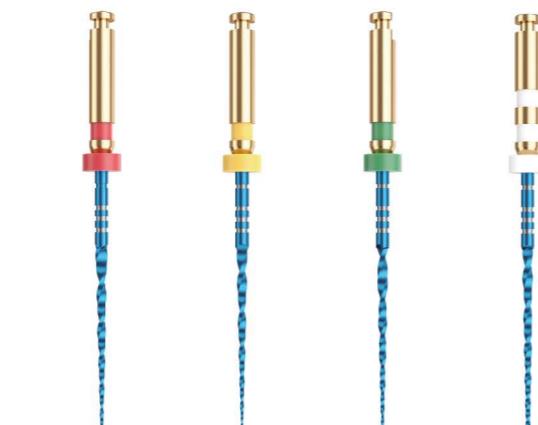
| Size        | 21 mm       | 25 mm       | 31 mm       |
|-------------|-------------|-------------|-------------|
| 20          | AFW 021 020 | AFW 025 020 | AFW 031 020 |
| 25          | AFW 021 025 | AFW 025 025 | AFW 031 025 |
| 35          | AFW 021 035 | AFW 025 035 | AFW 031 035 |
| 40          | AFW 021 040 | AFW 025 040 | AFW 031 040 |
| 20/25/35/40 | AFW 021 A01 | AFW 025 A01 | AFW 031 A01 |

**Features**

- MaxTech 6.0 NiTi alloy
- Proper flexibility and strong cutting ability
- One file acts as shaper and finisher
- More space for debris removal
- Regressive taper to bring accurate cutting
- Progressive pitch reduce screw-in
- Single file technique

**60%**

More Flexibility

**Specifications**

| EZ-ONE       | Primary | Small   | Medium  | Large   |
|--------------|---------|---------|---------|---------|
| Size         | 25/.07  | 20/.07  | 35/.06  | 45/.05  |
| Speed(RPM)   | 400rpm  | 400rpm  | 400rpm  | 400rpm  |
| Torque(N.CM) | 3.0N.cm | 1.5N.cm | 3.0N.cm | 3.0N.cm |

Parallelogram

**Sequence**

SSK #10



T-Blue



Primary

Small  
20/.07Medium  
35/.06Large  
45/.05

- ◆ Small 20/.07 for narrow canals
- ◆ Primary 25/.07 for most cases
- ◆ Medium 35/.06 & Large 45/.05 for wide canals

- Scout the canal with hand use file
- Create glide path by any path function file
- Choose proper size shaping files
- Shaping the canal with the chosen EZ-ONE until it reaches working length
- After shaping and finishing is done, then choose the matched GP points for obturation.

**References**

|  | Size                                   | 19mm                 | 21mm         | 25mm         | 31mm         |
|--|--|----------------------|--------------|--------------|--------------|
| EZ-ONE<br>single size<br>3pc/blister   | Small                                  | 20/.07               |              | EZO 021 2007 | EZO 031 2007 |
|  | Primary                                | 25/.07               |              | EZO 021 2507 | EZO 031 2507 |
|  | Medium                                 | 35/.06               |              | EZO 021 3506 | EZO 031 3506 |
|  | Large                                  | 45/.05               |              | EZO 021 4505 | EZO 031 4505 |
| EZ-ONE<br>assorted size<br>3pc/blister | Basic Kit (SX- Blue, T-Blue, Primary ) | 19/.04 17/.02 25/.07 |              | EZO 021 A001 | EZO 025 A001 |
|  | Advanced Kit (Small, Primary, Medium ) | 20/.07 25/.07 35/.06 |              | EZO 021 A002 | EZO 025 A002 |
| EZ-CAN<br>single size<br>3pc/blister   | SX- Blue                               | 19/.04               | BFU 019 1904 |              |              |
|  | T- Blue                                | 17/.02               |              | BFT 021 1702 | BFT 025 1702 |

# EZ-PASS

Blue



ISO color coding

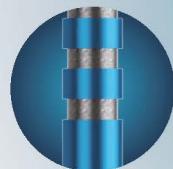


Radiopaque stopper

Continuous rotation



Progressive screw pitch



Precise depth marking



safe guiding tip



fixed taper design

## Features

- MaxTech 6.0 NiTi alloy
- Convex triangular cross section design
- Fixed taper design to bring simple obturation
- Progressive pitch eliminate screw-in
- Each file glide the path for the next one
- Easy shaping sequence

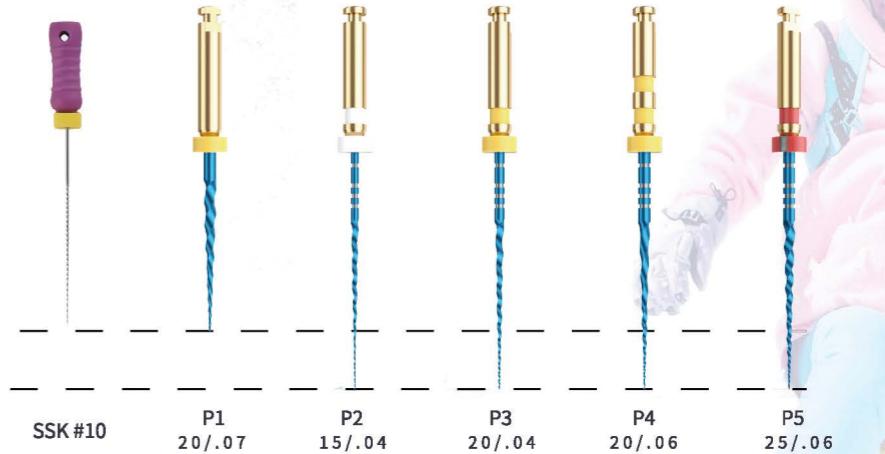
**60%**  
More Flexibility

## Specifications



| EZ-Pass      | P1      | P2       | P3       | P4       | P5       |
|--------------|---------|----------|----------|----------|----------|
| Size         | 20/07   | 15/04    | 20/04    | 20/06    | 25/06    |
| Speed(RPM)   | 400rpm  | 400rpm   | 400rpm   | 400rpm   | 400rpm   |
| Torque(N.CM) | 3.0N.cm | 1.5N.cm  | 1.5N.cm  | 1.5N.cm  | 3.0N.cm  |
| Length( mm ) | 19      | 21/25/31 | 21/25/31 | 21/25/31 | 21/25/31 |

## Sequence

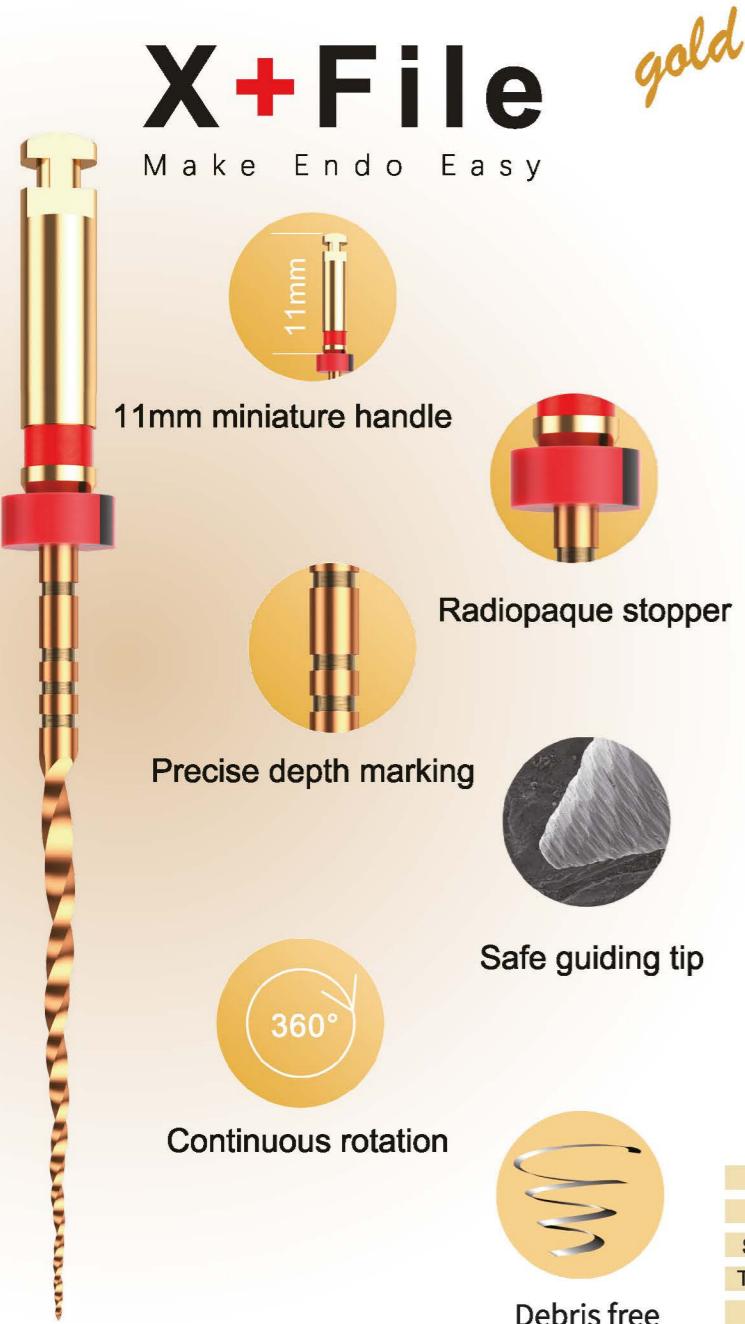


- ① Prepare straightline access to canal orifice
- ② Explore the canal with small size hand files (e.g. SS K-file #10)
- ③ Open 2/3 upper coronal part with opener P1 20/07
- ④ Shape and finish the canal with P2 15/04, P3 20/04, P4 20/06
- ⑤ P5 25/06 respectively to reach W/L passively by brushing
- ⑥ EDTA, irrigation is recommended to be used for better result

## References

|              | 19 m m       | 21 m m       | 25 m m       | 31 m m       |
|--------------|--------------|--------------|--------------|--------------|
| 20 / .07     | EZP 019 2007 |              |              |              |
| 15 / .04     |              | EZP 021 1504 | EZP 025 1504 | EZP 031 1504 |
| 20 / .04     |              | EZP 021 2004 | EZP 025 2004 | EZP 031 2004 |
| 20 / .06     |              | EZP 021 2006 | EZP 025 2006 | EZP 031 2006 |
| 25 / .06     |              | EZP 021 2506 | EZP 025 2506 | EZP 031 2506 |
| Assorted Kit |              | EZP 021 A001 | EZP 025 A001 | EZP 031 A001 |



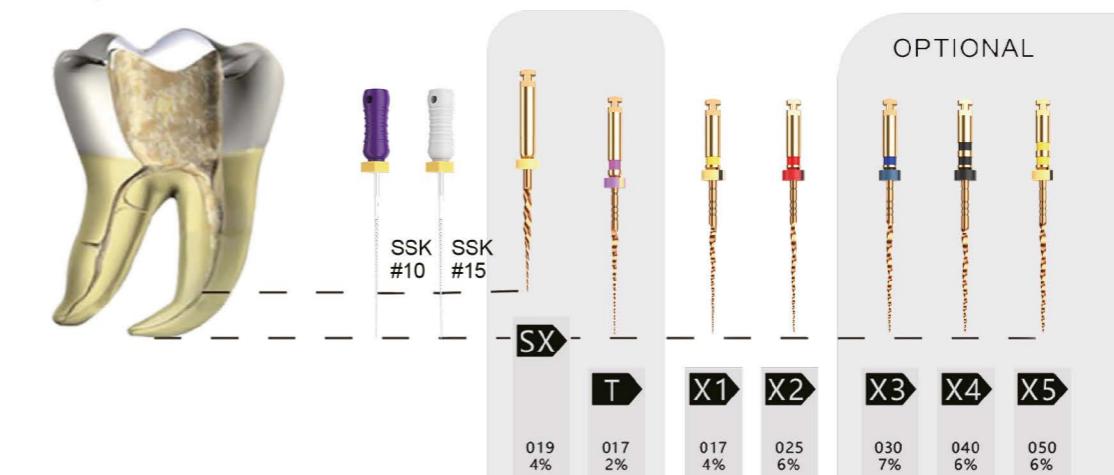


## Specifications



| X+File       | X1     | X2     | X3     | X4     | X5     |
|--------------|--------|--------|--------|--------|--------|
| Size         | 017/04 | 025/06 | 030/07 | 040/06 | 050/06 |
| Speed(RPM)   | 300    | 300    | 300    | 300    | 300    |
| Torque(N.CM) | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| GP           | X1     | X2     | X3     | X4     | X5     |

## Sequence



- Prepare straightline access to canal orifice
- Explore the canal with small size hand files(e.g. SS K-file #10)
- Improve orifice acces with openers(e.g. SX)
- Glide the path with path files(e.g. T+File)
- Shape the canal with X1 by brushing in 3-4passes until working length is reached
- Continue shaping with X2 until it reaches working length. If necessary, come to X3, X4, X5

## References

| Size  | 21mm              | 25mm              | 31mm              |
|-------|-------------------|-------------------|-------------------|
| X1    | A F X 0 2 1 0 X 1 | A F X 0 2 5 0 X 1 | A F X 0 3 1 0 X 1 |
| X2    | A F X 0 2 1 0 X 2 | A F X 0 2 5 0 X 2 | A F X 0 3 1 0 X 2 |
| X3    | A F X 0 2 1 0 X 3 | A F X 0 2 5 0 X 3 | A F X 0 3 1 0 X 3 |
| X4    | A F X 0 2 1 0 X 4 | A F X 0 2 5 0 X 4 | A F X 0 3 1 0 X 4 |
| X5    | A F X 0 2 1 0 X 5 | A F X 0 2 5 0 X 5 | A F X 0 3 1 0 X 5 |
| X1-X3 | A F X 0 2 1 A 0 1 | A F X 0 2 5 A 0 1 | A F X 0 3 1 A 0 1 |



**X-Blue**

Blue

Efficient to next level

11mm  
miniature  
handleRadiopaque  
stopperPrecise depth  
markingContinuous  
rotation

Debris free



Cafe guiding tip

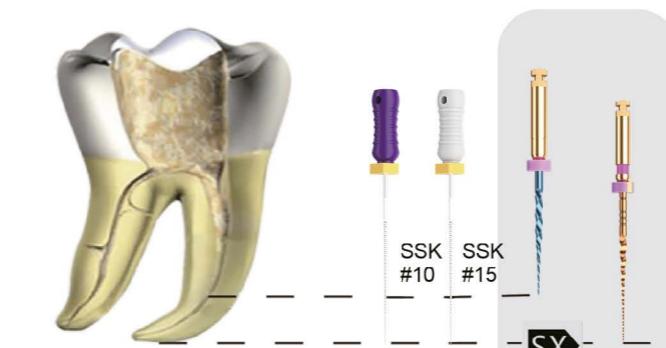
**Features****60%**

More Flexibility

- MaxTech 6.0 NiTi alloy
- Asymmetrical rectangular cross section design
- Archimedean spiral movement to bring debris free
- Variable taper design to have accurate shaping
- More flexibility with strong cutting ability
- Minimum invasive simple sequence

**Specifications**

| X-Blue       | X1      | X2      | X3      | X4      | X5      |
|--------------|---------|---------|---------|---------|---------|
| Size         | 017/.04 | 025/.06 | 030/.07 | 040/.06 | 050/.05 |
| Speed(RPM)   | 500     | 500     | 500     | 500     | 500     |
| Torque(N.CM) | 3.0     | 3.0     | 3.0     | 3.0     | 3.0     |
| GP           | X1      | X2      | X3      | X4      | X5      |

**Sequence**

- 1 Prepare straightline access to canal orifice
- 2 Explore the canal with small size hand files(e.g. SS K-file #10)
- 3 Improve orifice acces with openers(e.g. SX)
- 4 Glide the path with path files(e.g. T+File)
- 5 Shape the canal with X1 file by brushing in 3-4passes until working length is reached
- 6 Continue shaping with X2 until it reaches working length. If necessary, come to X3, X4, X5 for thick canals.

**References**

| Size  | 21mm              | 25mm              | 31mm              |
|-------|-------------------|-------------------|-------------------|
| ● X1  | B F X 0 2 1 0 X 1 | B F X 0 2 5 0 X 1 | B F X 0 3 1 0 X 1 |
| ● X2  | B F X 0 2 1 0 X 2 | B F X 0 2 5 0 X 2 | B F X 0 3 1 0 X 2 |
| ● X3  | B F X 0 2 1 0 X 3 | B F X 0 2 5 0 X 3 | B F X 0 3 1 0 X 3 |
| ● X4  | B F X 0 2 1 0 X 4 | B F X 0 2 5 0 X 4 | B F X 0 3 1 0 X 4 |
| ● X5  | B F X 0 2 1 0 X 5 | B F X 0 2 5 0 X 5 | B F X 0 3 1 0 X 5 |
| X1-X3 | B F X 0 2 1 A 0 1 | B F X 0 2 5 A 0 1 | B F X 0 3 1 A 0 1 |



# X-Grey

Soft Smart Endo



11mm miniature handle



Precise depth marking



Debris free

Radiopaque stopper



Safe guiding tip

Continuous rotation

Grey

**Features**

- MaxTech 9.0 NiTi alloy
- Asymmetrical rectangular cross section design
- Archimedean spiral movement brings debris free
- Super flexibility
- Suitable for big curvature canals
- Minimum invasive simple sequence

**90%**

More Flexibility

**Sequence**

OPTIONAL

**Specifications**

| X-Grey       | X1      | X2      | X3      | X4      | X5      |
|--------------|---------|---------|---------|---------|---------|
| Size         | 017/.04 | 025/.06 | 030/.07 | 040/.06 | 050/.05 |
| Speed(RPM)   | 600     | 600     | 600     | 600     | 600     |
| Torque(N.CM) | 3.0     | 3.0     | 3.0     | 3.0     | 3.0     |
| GP           | X1      | X2      | X3      | X4      | X5      |

- 1 Prepare straightline access to canal orifice
- 2 Explore the canal with small size hand files (e.g. SS K-file #10)
- 3 Improve orifice access with openers (e.g. SX)
- 4 Glide the path with path files (e.g. T+File)
- 5 Shape the canal with X1 file by brushing in 3-4 passes until working length is reached
- 6 Continue shaping with X2 until it reaches working length. If necessary, come to X3, X4, X5 for thick canals.

**References**

| Size  | 21mm              | 25mm              | 31mm              |
|-------|-------------------|-------------------|-------------------|
| ● X1  | C F X 0 2 1 0 X 1 | C F X 0 2 5 0 X 1 | C F X 0 3 1 0 X 1 |
| ● X2  | C F X 0 2 1 0 X 2 | C F X 0 2 5 0 X 2 | C F X 0 3 1 0 X 2 |
| ● X3  | C F X 0 2 1 0 X 3 | C F X 0 2 5 0 X 3 | C F X 0 3 1 0 X 3 |
| ● X4  | C F X 0 2 1 0 X 4 | C F X 0 2 5 0 X 4 | C F X 0 3 1 0 X 4 |
| ● X5  | C F X 0 2 1 0 X 5 | C F X 0 2 5 0 X 5 | C F X 0 3 1 0 X 5 |
| X1-X3 | C F X 0 2 1 A 0 1 | C F X 0 2 5 A 0 1 | C F X 0 3 1 A 0 1 |



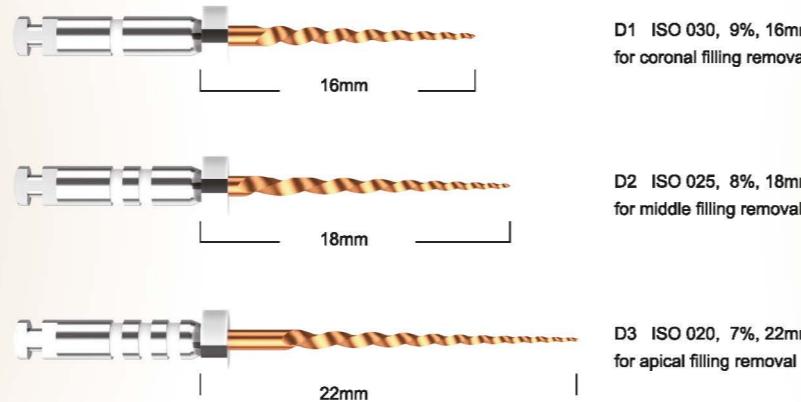
**O+File**

Retreatment Files

gold

**Features**

- MaxTech 3.0 Nitit alloy
- Significantly enhanced fatigue life
- Progressive on taper design and cutting flute length
- Remover of gutta percha and other obturation material
- Color rings correspond to different sizes

**Sequence****References**

| Model | 16 mm       | 18mm        | 22 mm       |
|-------|-------------|-------------|-------------|
| D1    | AFO 016 0D1 |             |             |
| D2    |             | AFO 018 0D2 |             |
| D3    |             |             | AFO 022 0D3 |
| D1-D3 | AFO 000 A01 | AFO 000 A01 | AFO 000 A01 |

**30%**  
More Flixiblity**T+File**

Glide path Files

gold

**Features**

- MaxTech 3.0 Nitit alloy
- Largely improved fatigue life
- Triangular cross section
- Variable progressive taper
- Respect the root canal anatomy
- Create glide path and confirm root canal patency
- Continuous clockwise rotation
- Speed:300rpm Torque 2.0N.cm

**Sequence**

SSK #10



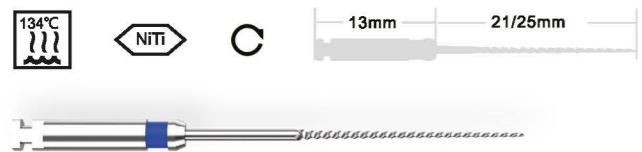
T+File



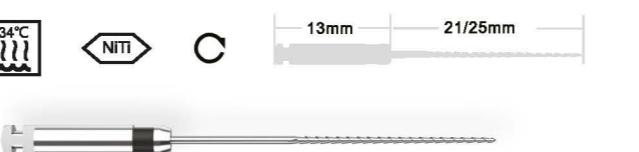
Then you will choose to continue with any roraty file

**References**

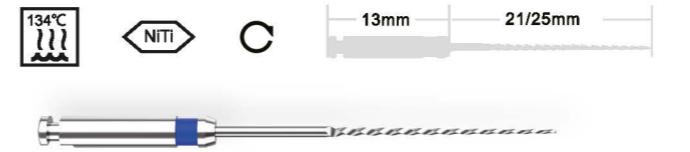
| Size | 21 mm       | 25mm        | 31 mm       |
|------|-------------|-------------|-------------|
| 17   | AFT 021 017 | AFT 025 017 | AFT 031 017 |

**NiTi Rotary K-File**

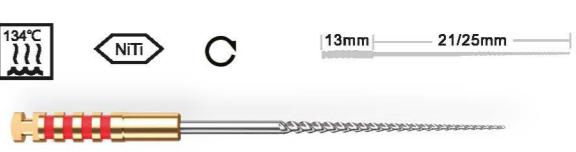
| Size  | 21 mm       | 25mm        |
|-------|-------------|-------------|
| O 15  | ENK 021 015 | ENK 025 015 |
| Y 20  | ENK 021 020 | ENK 025 020 |
| R 25  | ENK 021 025 | ENK 025 025 |
| B 30  | ENK 021 030 | ENK 025 030 |
| G 35  | ENK 021 035 | ENK 025 035 |
| ● 40  | ENK 021 040 | ENK 025 040 |
| 15-40 | ENK 021 A01 | ENK 025 A01 |

**NiTi Rotary H-File**

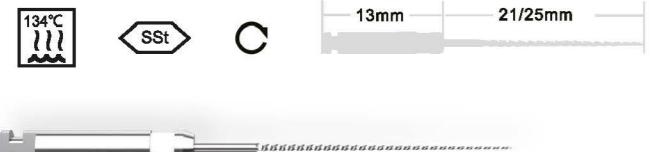
| Size  | 21 mm       | 25mm        |
|-------|-------------|-------------|
| O 15  | ENH 021 015 | ENH 025 015 |
| Y 20  | ENH 021 020 | ENH 025 020 |
| R 25  | ENH 021 025 | ENH 025 025 |
| B 30  | ENH 021 030 | ENH 025 030 |
| G 35  | ENH 021 035 | ENH 025 035 |
| ● 40  | ENH 021 040 | ENH 025 040 |
| 15-40 | ENH 021 A01 | ENH 025 A01 |

**NiTi Rotary Reamer**

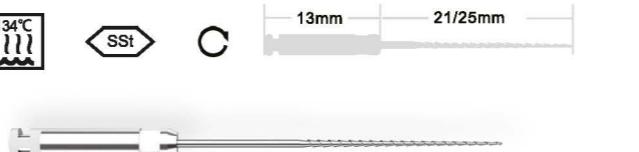
| Size  | 21 mm       | 25mm        |
|-------|-------------|-------------|
| O 15  | ENR 021 015 | ENR 025 015 |
| Y 20  | ENR 021 020 | ENR 025 020 |
| R 25  | ENR 021 025 | ENR 025 025 |
| B 30  | ENR 021 030 | ENR 025 030 |
| G 35  | ENR 021 035 | ENR 025 035 |
| ● 40  | ENR 021 040 | ENR 025 040 |
| 15-40 | ENR 021 A01 | ENR 025 A01 |

**NiTi Engine Condenser**

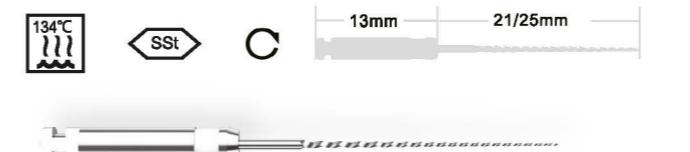
| Size  | 21 mm       | 25mm        |
|-------|-------------|-------------|
| ● 25  | MC2 021 025 | MC2 025 025 |
| ● 30  | MC2 021 030 | MC2 025 030 |
| ● 35  | MC2 021 035 | MC2 025 035 |
| ● 40  | MC2 021 040 | MC2 025 040 |
| 25-40 | MC2 021 A01 | MC2 025 A01 |
| Size  | 21 mm       | 25mm        |
| ● 25  | MC4 021 025 | MC4 025 025 |
| ● 30  | MC4 021 030 | MC4 025 030 |
| ● 35  | MC4 021 035 | MC4 025 035 |
| ● 40  | MC4 021 040 | MC4 025 040 |
| 25-40 | MC4 021 A01 | MC4 025 A01 |

**S.S. Rotary K-File**

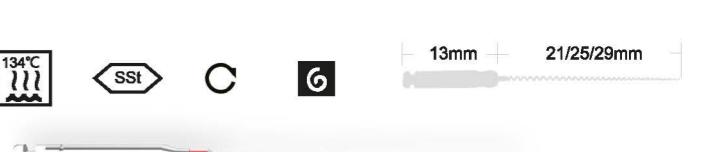
| Size  | 21 mm       | 25mm        |
|-------|-------------|-------------|
| O 15  | ESK 021 015 | ESK 025 015 |
| Y 20  | ESK 021 020 | ESK 025 020 |
| R 25  | ESK 021 025 | ESK 025 025 |
| B 30  | ESK 021 030 | ESK 025 030 |
| G 35  | ESK 021 035 | ESK 025 035 |
| ● 40  | ESK 021 040 | ESK 025 040 |
| 15-40 | ESK 021 A01 | ESK 025 A01 |

**S.S. Rotary H-File**

| Size  | 21 mm       | 25mm        |
|-------|-------------|-------------|
| O 15  | ESH 021 015 | ESH 025 015 |
| Y 20  | ESH 021 020 | ESH 025 020 |
| R 25  | ESH 021 025 | ESH 025 025 |
| B 30  | ESH 021 030 | ESH 025 030 |
| G 35  | ESH 021 035 | ESH 025 035 |
| ● 40  | ESH 021 040 | ESH 025 040 |
| 15-40 | ESH 021 A01 | ESH 025 A01 |

**S.S. Rotary Reamer**

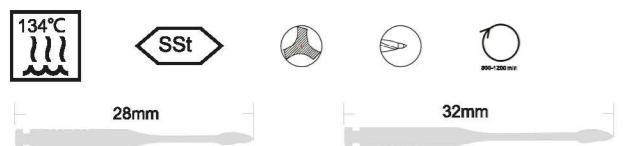
| Size  | 21 mm       | 25mm        |
|-------|-------------|-------------|
| O 15  | ESR 021 015 | ESR 025 015 |
| Y 20  | ESR 021 020 | ESR 025 020 |
| R 25  | ESR 021 025 | ESR 025 025 |
| B 30  | ESR 021 030 | ESR 025 030 |
| G 35  | ESR 021 035 | ESR 025 035 |
| ● 40  | ESR 021 040 | ESR 025 040 |
| 15-40 | ESR 021 A01 | ESR 025 A01 |

**S.S. Rotary Paste Carrier**

| Size  | 21 mm       | 25mm        | 29mm        |
|-------|-------------|-------------|-------------|
| ● 25  | EPC 021 025 | EPC 025 025 | EPC 029 025 |
| ● 30  | EPC 021 030 | EPC 025 030 | EPC 029 030 |
| ● 35  | EPC 021 035 | EPC 025 035 | EPC 029 035 |
| ● 40  | EPC 021 040 | EPC 025 040 | EPC 029 040 |
| 25-40 | EPC 021 A01 | EPC 025 A01 | EPC 029 A01 |

## Gates Drill

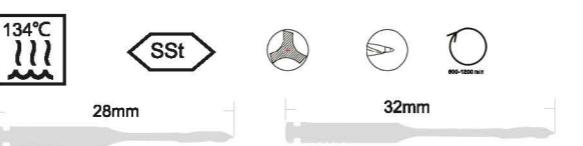
- High quality medical Stainless Steel
- Used for expanding the canal entrance or preparation for middle-upper part of the canals
- Short blades, diameter for working blades is from 0.50mm-1.50mm
- Ring numbers show different sizes
- Recommended speed: 800-1200 rpm
- Sizes: #1, #2, #3, #4, #5, #6, #1-6 Length: 28mm, 32mm



| Size    | Rings | 28mm        | 32mm        |
|---------|-------|-------------|-------------|
| 1 / 050 | 1     | ESG 028 001 | ESG 032 001 |
| 2 / 070 | 2     | ESG 028 002 | ESG 032 002 |
| 3 / 090 | 3     | ESG 028 003 | ESG 032 003 |
| 4 / 110 | 4     | ESG 028 004 | ESG 032 004 |
| 5 / 130 | 5     | ESG 028 005 | ESG 032 005 |
| 6 / 150 | 6     | ESG 028 006 | ESG 032 006 |
| 1-6     |       | ESG 028 A01 | ESG 032 A01 |

## Peeso Reamer

- High quality medical Stainless Steel
- Used for preparing the 1/3 coronal part of canals, obturation removal and preparation for post
- Long blades, diameter for working blades is from 0.70mm-1.70mm
- Ring numbers show different sizes
- Recommended speed: 800-1200 rpm
- Sizes: #1, #2, #3, #4, #5, #6, #1-6 Length: 28mm, 32mm



| Size    | Rings | 28mm        | 32mm        |
|---------|-------|-------------|-------------|
| 1 / 070 | 1     | ESP 028 001 | ESP 032 001 |
| 2 / 090 | 2     | ESP 028 002 | ESP 032 002 |
| 3 / 110 | 3     | ESP 028 003 | ESP 032 003 |
| 4 / 130 | 4     | ESP 028 004 | ESP 032 004 |
| 5 / 150 | 5     | ESP 028 005 | ESP 032 005 |
| 6 / 170 | 6     | ESP 028 006 | ESP 032 006 |
| 1-6     |       | ESP 028 A01 | ESP 032 A01 |

## S.S. K-Flex File

134°C SST #15 #20-40



| Size  | 21 mm       | 25mm        | 28mm        | 31mm        |
|-------|-------------|-------------|-------------|-------------|
| O 15  | TFK 021 015 | TFK 025 015 | TFK 028 015 | TFK 031 015 |
| 20    | TFK 021 020 | TFK 025 020 | TFK 028 020 | TFK 031 020 |
| 25    | TFK 021 025 | TFK 025 025 | TFK 028 025 | TFK 031 025 |
| 30    | TFK 021 030 | TFK 025 030 | TFK 028 030 | TFK 031 030 |
| 35    | TFK 021 035 | TFK 025 035 | TFK 028 035 | TFK 031 035 |
| 40    | TFK 021 040 | TFK 025 040 | TFK 028 040 | TFK 031 040 |
| 15-40 | TFK 021 A01 | TFK 025 A01 | TFK 028 A01 | TFK 031 A01 |

## S.S. C-File

134°C SST #15 #20-40



| Size | 21 mm       | 25mm        | 28mm        |
|------|-------------|-------------|-------------|
| 6    | HSC 021 006 | HSC 025 006 | HSC 028 006 |
| 8    | HSC 021 008 | HSC 025 008 | HSC 028 008 |
| 10   | HSC 021 010 | HSC 025 010 | HSC 028 010 |
| 12   | HSC 021 012 | HSC 025 012 | HSC 028 012 |
| 15   | HSC 021 015 | HSC 025 015 | HSC 028 015 |
| 8-15 | HSC 021 A01 | HSC 025 A01 | HSC 028 A01 |



## Barbed Broach

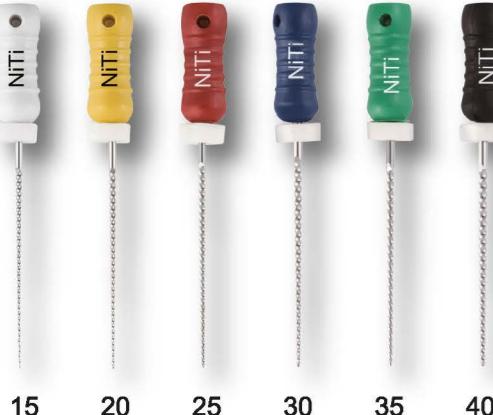
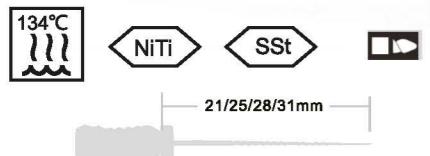
- Instruments with barbs for removing soft tissue from root canals
- Taking out dental pulp by turning 180 degree after entering root canals



| Size    | 21mm        | 25mm        |
|---------|-------------|-------------|
| XXXXF/0 | HSB 021 010 | HSB 025 010 |
| XXXF/1  | HSB 021 020 | HSB 025 020 |
| XXF/2   | HSB 021 030 | HSB 025 030 |
| XF/3    | HSB 021 040 | HSB 025 040 |
| F/4     | HSB 021 050 | HSB 025 050 |
| M/5     | HSB 021 060 | HSB 025 060 |
| C/6     | HSB 021 070 | HSB 025 070 |
| 2-4     | HSB 021 A01 | HSB 025 A01 |
| 0-6     | HSB 021 A02 | HSB 025 A02 |

## K-File

- Square cross section
- Available in NiTi and Stainless Steel material
- Autoclavable

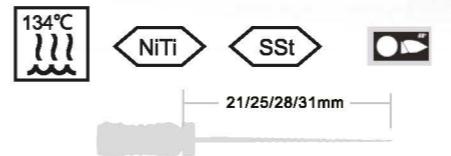


### NiT Ti Hand Use K-File

| Size  | 21 mm       | 25mm        | 28mm        | 31mm        |
|-------|-------------|-------------|-------------|-------------|
| 8     | HNK 021 008 | HNK 025 008 | HNK 028 008 | HNK 031 008 |
| 10    | HNK 021 010 | HNK 025 010 | HNK 028 010 | HNK 031 010 |
| 15    | HNK 021 015 | HNK 025 015 | HNK 028 015 | HNK 031 015 |
| 20    | HNK 021 020 | HNK 025 020 | HNK 028 020 | HNK 031 020 |
| 25    | HNK 021 025 | HNK 025 025 | HNK 028 025 | HNK 031 025 |
| 30    | HNK 021 030 | HNK 025 030 | HNK 028 030 | HNK 031 030 |
| 35    | HNK 021 035 | HNK 025 035 | HNK 028 035 | HNK 031 035 |
| 40    | HNK 021 040 | HNK 025 040 | HNK 028 040 | HNK 031 040 |
| 45    | HNK 021 045 | HNK 025 045 | HNK 028 045 | HNK 031 045 |
| 50    | HNK 021 050 | HNK 025 050 | HNK 028 050 | HNK 031 050 |
| 55    | HNK 021 055 | HNK 025 055 | HNK 028 055 | HNK 031 055 |
| 60    | HNK 021 060 | HNK 025 060 | HNK 028 060 | HNK 031 060 |
| 70    | HNK 021 070 | HNK 025 070 | HNK 028 070 | HNK 031 070 |
| 80    | HNK 021 080 | HNK 025 080 | HNK 028 080 | HNK 031 080 |
| 15~40 | HNK 021 A01 | HNK 025 A01 | HNK 028 A01 | HNK 031 A01 |
| 45~80 | HNK 021 A02 | HNK 025 A02 | HNK 028 A02 | HNK 031 A02 |

## H-File

- Round cross section
- Effective dentin cutting
- Available in NiTi and Stainless Steel material
- Autoclavable



### NiT Ti Hand Use H-File

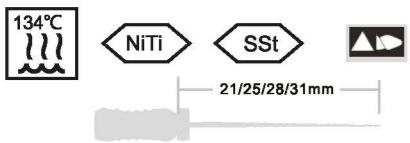
| Size  | 21 mm       | 25mm        | 28mm        | 31mm        |
|-------|-------------|-------------|-------------|-------------|
| 8     | HNH 021 008 | HNH 025 008 | HNH 028 008 | HNH 031 008 |
| 10    | HNH 021 010 | HNH 025 010 | HNH 028 010 | HNH 031 010 |
| 15    | HNH 021 015 | HNH 025 015 | HNH 028 015 | HNH 031 015 |
| 20    | HNH 021 020 | HNH 025 020 | HNH 028 020 | HNH 031 020 |
| 25    | HNH 021 025 | HNH 025 025 | HNH 028 025 | HNH 031 025 |
| 30    | HNH 021 030 | HNH 025 030 | HNH 028 030 | HNH 031 030 |
| 35    | HNH 021 035 | HNH 025 035 | HNH 028 035 | HNH 031 035 |
| 40    | HNH 021 040 | HNH 025 040 | HNH 028 040 | HNH 031 040 |
| 45    | HNH 021 045 | HNH 025 045 | HNH 028 045 | HNH 031 045 |
| 50    | HNH 021 050 | HNH 025 050 | HNH 028 050 | HNH 031 050 |
| 55    | HNH 021 055 | HNH 025 055 | HNH 028 055 | HNH 031 055 |
| 60    | HNH 021 060 | HNH 025 060 | HNH 028 060 | HNH 031 060 |
| 70    | HNH 021 070 | HNH 025 070 | HNH 028 070 | HNH 031 070 |
| 80    | HNH 021 080 | HNH 025 080 | HNH 028 080 | HNH 031 080 |
| 15~40 | HNH 021 A01 | HNH 025 A01 | HNH 028 A01 | HNH 031 A01 |
| 45~80 | HNH 021 A02 | HNH 025 A02 | HNH 028 A02 | HNH 031 A02 |

### S.S. Hand Use H-File

| Size  | 21 mm       | 25mm        | 28mm        | 31mm        |
|-------|-------------|-------------|-------------|-------------|
| 6     | HSH 021 006 | HSH 025 006 | HSH 028 006 | HSH 031 006 |
| 8     | HSH 021 008 | HSH 025 008 | HSH 028 008 | HSH 031 008 |
| 10    | HSH 021 010 | HSH 025 010 | HSH 028 010 | HSH 031 010 |
| 15    | HSH 021 015 | HSH 025 015 | HSH 028 015 | HSH 031 015 |
| 20    | HSH 021 020 | HSH 025 020 | HSH 028 020 | HSH 031 020 |
| 25    | HSH 021 025 | HSH 025 025 | HSH 028 025 | HSH 031 025 |
| 30    | HSH 021 030 | HSH 025 030 | HSH 028 030 | HSH 031 030 |
| 35    | HSH 021 035 | HSH 025 035 | HSH 028 035 | HSH 031 035 |
| 40    | HSH 021 040 | HSH 025 040 | HSH 028 040 | HSH 031 040 |
| 45    | HSH 021 045 | HSH 025 045 | HSH 028 045 | HSH 031 045 |
| 50    | HSH 021 050 | HSH 025 050 | HSH 028 050 | HSH 031 050 |
| 55    | HSH 021 055 | HSH 025 055 | HSH 028 055 | HSH 031 055 |
| 60    | HSH 021 060 | HSH 025 060 | HSH 028 060 | HSH 031 060 |
| 70    | HSH 021 070 | HSH 025 070 | HSH 028 070 | HSH 031 070 |
| 80    | HSH 021 080 | HSH 025 080 | HSH 028 080 | HSH 031 080 |
| 15~40 | HSH 021 A01 | HSH 025 A01 | HSH 028 A01 | HSH 031 A01 |
| 45~80 | HSH 021 A02 | HSH 025 A02 | HSH 028 A02 | HSH 031 A02 |

## Reamer

- Triangular cross section
- Effective dentin cutting
- Available in NiTi and Stainless Steel material
- Autoclavable

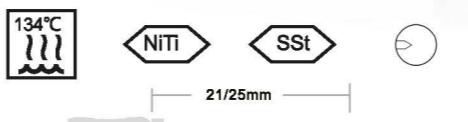


### NiTi Hand Use Reamer

| Size  | 21 mm       | 25mm        | 28mm        | 31mm        |
|-------|-------------|-------------|-------------|-------------|
| ▲ 8   | HNR 021 008 | HNR 025 008 | HNR 028 008 | HNR 031 008 |
| ▲ 10  | HNR 021 010 | HNR 025 010 | HNR 028 010 | HNR 031 010 |
| △ 15  | HNR 021 015 | HNR 025 015 | HNR 028 015 | HNR 031 015 |
| ▲ 20  | HNR 021 020 | HNR 025 020 | HNR 028 020 | HNR 031 020 |
| ▲ 25  | HNR 021 025 | HNR 025 025 | HNR 028 025 | HNR 031 025 |
| ▲ 30  | HNR 021 030 | HNR 025 030 | HNR 028 030 | HNR 031 030 |
| ▲ 35  | HNR 021 035 | HNR 025 035 | HNR 028 035 | HNR 031 035 |
| ▲ 40  | HNR 021 040 | HNR 025 040 | HNR 028 040 | HNR 031 040 |
| △ 45  | HNR 021 045 | HNR 025 045 | HNR 028 045 | HNR 031 045 |
| ▲ 50  | HNR 021 050 | HNR 025 050 | HNR 028 050 | HNR 031 050 |
| ▲ 55  | HNR 021 055 | HNR 025 055 | HNR 028 055 | HNR 031 055 |
| ▲ 60  | HNR 021 060 | HNR 025 060 | HNR 028 060 | HNR 031 060 |
| ▲ 70  | HNR 021 070 | HNR 025 070 | HNR 028 070 | HNR 031 070 |
| ▲ 80  | HNR 021 080 | HNR 025 080 | HNR 028 080 | HNR 031 080 |
| 15~40 | HNR 021 A01 | HNR 025 A01 | HNR 028 A01 | HNR 031 A01 |
| 45~80 | HNR 021 A02 | HNR 025 A02 | HNR 028 A02 | HNR 031 A02 |

## Spreader

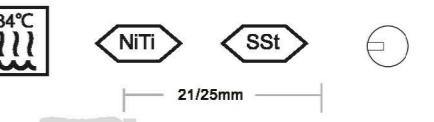
- Used for filling gutta percha points in medium or thin curve canals laterally
- With stopper to mark the working length
- Autoclavable



| Size  | 21 mm(NiTi) | 25mm(NiTi)  | 21mm(S.S.)  | 25mm(S.S.)  |
|-------|-------------|-------------|-------------|-------------|
| ○ 15  | HNS 021 015 | HNS 025 015 | HSS 021 015 | HSS 025 015 |
| ○ 20  | HNS 021 020 | HNS 025 020 | HSS 021 020 | HSS 025 020 |
| ○ 25  | HNS 021 025 | HNS 025 025 | HSS 021 025 | HSS 025 025 |
| ○ 30  | HNS 021 030 | HNS 025 030 | HSS 021 030 | HSS 025 030 |
| ○ 35  | HNS 021 035 | HNS 025 035 | HSS 021 035 | HSS 025 035 |
| ○ 40  | HNS 021 040 | HNS 025 040 | HSS 021 040 | HSS 025 040 |
| 15~40 | HNS 021 A01 | HNS 025 A01 | HSS 021 A01 | HSS 025 A01 |

## Plunger

- Used for filling gutta percha points vertically in apical area or curve canals
- With stopper to mark the working length
- Autoclavable



| Size  | 21 mm(NiTi) | 25mm(NiTi)  | 21mm(S.S.)  | 25mm(S.S.)  |
|-------|-------------|-------------|-------------|-------------|
| ○ 15  | HNP 021 015 | HNP 025 015 | HSP 021 015 | HSP 025 015 |
| ○ 20  | HNP 021 020 | HNP 025 020 | HSP 021 020 | HSP 025 020 |
| ○ 25  | HNP 021 025 | HNP 025 025 | HSP 021 025 | HSP 025 025 |
| ○ 30  | HNP 021 030 | HNP 025 030 | HSP 021 030 | HSP 025 030 |
| ○ 35  | HNP 021 035 | HNP 025 035 | HSP 021 035 | HSP 025 035 |
| ○ 40  | HNP 021 040 | HNP 025 040 | HSP 021 040 | HSP 025 040 |
| 15~40 | HNP 021 A01 | HNP 025 A01 | HSP 021 A01 | HSP 025 A01 |

## GP Plugger

- Having both nickel-titanium end and stainless steel end
- It can be used in any common endodontic obturation technique including warm and cold condensation
- Color-coded handle, easy to recognize
- Light weight, comfortable to hold



| Size       |             |
|------------|-------------|
| 35-70      | GPP 035 070 |
| 40-80      | GPP 040 080 |
| 50-100     | GPP 050 100 |
| 60-120     | GPP 060 120 |
| set1(3pcs) | GPP 000 A02 |
| set2(4pcs) | GPP 000 A01 |

## Endo Debrider

- H-files type instruments are used for debriding canals under microscope
- N°1 020/02 N°2 030/02



N°1 020/02

N°2 030/02

| Size      |             |
|-----------|-------------|
| 20/02     | HED T02 020 |
| 30/02     | HED T02 030 |
| SET(2pcs) | HED 000 A01 |

## Endo Opener

- K-files type instruments are used for opening canals under microscope

N°1 010/04 N°2 015/04 N°3 010/06



N°1 010/04

N°2 015/04

N°3 010/06

| Size   |             |
|--------|-------------|
| 10/004 | HED T04 010 |
| 15/004 | HED T04 015 |
| 10/006 | HED T06 010 |

| Size      |             |
|-----------|-------------|
| SET(3pcs) | HED 000 A01 |

## Measuring Block

Easy to use, accurate settings, durable construction

Autoclavable up to 135 degree Celsius



## Dispenser

Designed for cleaning and autoclaving of endo instruments

Holds 18 hand use or engine instruments up to size 120

(all lengths)

Medical grade plastic, autoclavable up to 135 degree Celsius



## Ruler

For both hand use and engine instruments

Gauges from 1 mm to 30mm for right or left hand



## Block

Made of resin material

Accurate simulation for root canals



## Stopper

Round & Square & Round with tails

Grey, pink, white, yellow, red, blue, green, black  
colors are available



## Alph Endo

CORDLESS ENDO MOTOR

### Features:

- Motion: Rotary and Reciprocating
- Large LED Touch Screen
- Wifi connected, simple and convenient
- Mainstream root canal systems are included just choose and use

### Technics:

- Adaptor working voltage Input: AC100-240V, 50- 60Hz, Output: DC 5V 2A
- Adjustable torque 5mNm- 70mNm(0.5Ncm-7Ncm)
- Speed 50- 650rpm(Rotary)
- Volume(mm) Host: 132X136x139 Handle: 143x25x25
- Weight(kg) Host: 0.5 Handle+Head: 0.2
- Material ABS, Aluminum alloy6061

### Reference

|             |                                  |
|-------------|----------------------------------|
| EAE 000 A01 | 1 control machine + 1 hand piece |
| EAE 000 A02 | 1 control machine + 2 hand piece |
| EAE 000 A03 | 1 control machine + 3 hand piece |





DEVELOPING TO CREATE



## DTC ORTHODONTICS



KD  
Kafou Dent

218

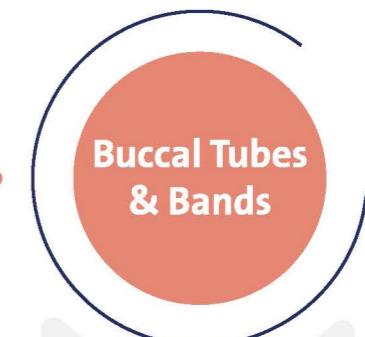
## PAGE INDEX



DTC Bracket Systems

DTC Self-ligating Brackets (MIM)  
DTC Bright Series Brackets  
Zeal Plus Series Brackets  
DTC Ceramic Brackets

Page 220



Buccal Tubes & Bands

Zeal Series Buccal Tubes  
DTC Bands

Page 224



Auxiliaries & Archwires

Auxiliaries  
DTC Instruments  
DTC Archwires  
DTC Ligature Wires

Page 230



Elastics & Pliers

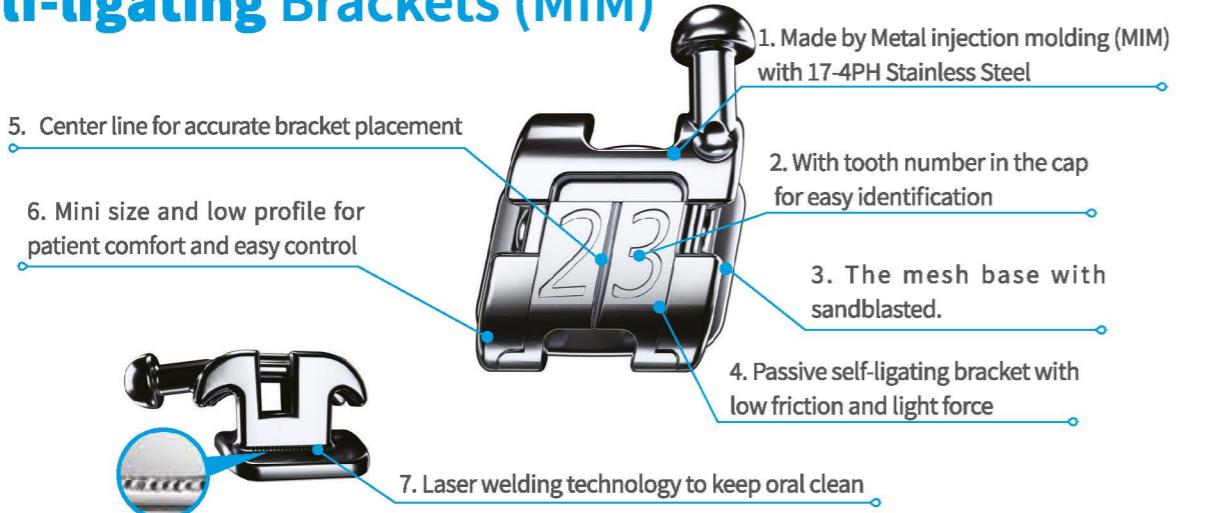
DTC Elastics  
DTC Pliers

Page 237

DTC<sup>®</sup> ORTHODONTICS

219

## DTC Self-ligating Brackets (MIM)



### Sliding-MBT Brackets

Mini size

|           | Maxillary |     |     |      |      |      |      |     |     |     |
|-----------|-----------|-----|-----|------|------|------|------|-----|-----|-----|
| Torque    | -7°       | -7° | -7° | +10° | +17° | +17° | +10° | -7° | -7° | -7° |
| Tip       | 0°        | 0°  | 8°  | 8°   | 4°   | 4°   | 8°   | 8°  | 0°  | 0°  |
| In/out mm | 0.4       | 0.4 | 0.4 | 0.4  | 0.85 | 0.4  | 0.85 | 0.4 | 0.4 | 0.4 |
| Width mm  | 2.8       | 2.8 | 2.8 | 2.7  | 2.8  | 2.8  | 2.7  | 2.8 | 2.8 | 2.8 |

|           | Mandibular |      |     |      |      |      |     |      |      |  |
|-----------|------------|------|-----|------|------|------|-----|------|------|--|
| Torque    | -17°       | -12° | -6° | -6°  | -6°  | -6°  | -6° | -12° | -17° |  |
| Tip       | 0°         | 0°   | 3°  | 0°   | 0°   | 0°   | 3°  | 0°   | 0°   |  |
| In/out mm | 0.4        | 0.4  | 0.4 | 0.85 | 0.85 | 0.85 | 0.4 | 0.4  | 0.4  |  |
| Width mm  | 2.8        | 2.8  | 2.8 | 2.5  | 2.5  | 2.5  | 2.8 | 2.8  | 2.8  |  |

| Mini size |                   |          |                  |                  |
|-----------|-------------------|----------|------------------|------------------|
| Slot Size | Assortments Packs | Quantity | Cuspid With hook | 3,4,5 With hooks |
| 18        | 1 Kit             | 20pcs    | SL31-23          | SL31-24          |
| 22        | 1 Kit             | 20pcs    | SL32-23          | SL32-24          |

| Mini size |                   |          |                  |                  |
|-----------|-------------------|----------|------------------|------------------|
| Slot Size | Assortments Packs | Quantity | Cuspid With hook | 3,4,5 With hooks |
| 18        | 1 Kit             | 20pcs    | SL21-23          | SL21-24          |
| 22        | 1 Kit             | 20pcs    | SL22-23          | SL22-24          |

## BRACKETS

## DTC Bright Series Brackets

### Specifications:

Bondable Orthodontic Roth/MBT/EDGEWISE brackets

- Smooth surface and mini size let patient feel comfortable
- Hard Stainless Steel ensure stable performance
- Slot: 0.022,0.018
- without hook, hook on 3, hook on 3,4,5



### Advantage of bondable orthodontic brackets:

- Manufactured by precision casting and laser welding technology
- New 80# mesh base, more fitness to the tooth
- Accuracy slot for lower friction
- Lower profile to make patients feel more comfortable

### Sliding-MBT Brackets

|           | Maxillary |     |     |      |      |      |      |      |      |      |
|-----------|-----------|-----|-----|------|------|------|------|------|------|------|
| Torque    | -7°       | -7° | -7° | +10° | +17° | +17° | +10° | +17° | +17° | +10° |
| Tip       | 0°        | 0°  | 8°  | 8°   | 4°   | 4°   | 8°   | 8°   | 0°   | 0°   |
| In/out mm | 0.8       | 0.8 | 0.7 | 1.2  | 0.8  | 0.8  | 1.2  | 0.7  | 0.7  | 0.8  |
| Width mm  | 2.8       | 2.8 | 3.0 | 2.8  | 3.4  | 3.4  | 2.8  | 3.0  | 2.8  | 2.8  |

|           | Mandibular |      |     |     |     |     |     |      |      |     |
|-----------|------------|------|-----|-----|-----|-----|-----|------|------|-----|
| Torque    | -17°       | -12° | -6° | -6° | -6° | -6° | -6° | -12° | -17° |     |
| Tip       | 0°         | 0°   | 3°  | 0°  | 0°  | 0°  | 3°  | 0°   | 0°   | 0°  |
| In/out mm | 0.7        | 0.7  | 0.7 | 1.2 | 1.2 | 1.2 | 1.2 | 0.7  | 0.7  | 0.7 |
| Width mm  | 2.8        | 2.8  | 3.0 | 2.4 | 2.4 | 2.4 | 2.4 | 3.0  | 2.8  | 2.8 |

| Mini size |                   |          |              |                  |
|-----------|-------------------|----------|--------------|------------------|
| Slot Size | Assortments Packs | Quantity | Without hook | Cuspid With hook |
| 18        | 1 Kit             | 20pcs    | B31-20       | B31-23           |
| 22        | 1 Kit             | 20pcs    | B32-20       | B32-23           |

| Standard size |                   |          |              |                  |
|---------------|-------------------|----------|--------------|------------------|
| Slot Size     | Assortments Packs | Quantity | Without hook | Cuspid With hook |
| 18            | 1 Kit             | 20pcs    | B31-10       | B31-13           |
| 22            | 1 Kit             | 20pcs    | B32-10       | B32-13           |

| Mini size |                   |          |              |                  |
|-----------|-------------------|----------|--------------|------------------|
| Slot Size | Assortments Packs | Quantity | Without hook | Cuspid With hook |
| 18        | 1 Kit             | 20pcs    | B21-20       | B21-23           |
| 22        | 1 Kit             | 20pcs    | B22-20       | B22-23           |

| Standard size |                   |          |              |                  |
|---------------|-------------------|----------|--------------|------------------|
| Slot Size     | Assortments Packs | Quantity | Without hook | Cuspid With hook |
| 18            | 1 Kit             | 20pcs    | B21-10       | B21-13           |
| 22            | 1 Kit             | 20pcs    | B22-10       | B22-13           |

## Zeal + Series Brackets

NEW

- 1 Round slot entrance for less friction
- 2 Round bracket wing for patient comfort
- 3 Tooth number and middle line for easy identification and positioning
- 4 Lower profile
- 5 The base are more fitness to the tooth

Sliding-MBT  
Brackets

|           | Maxillary |     |     |      |      |      |      |     |     |     |
|-----------|-----------|-----|-----|------|------|------|------|-----|-----|-----|
| Torque    | -7°       | -7° | -7° | +10° | +17° | +17° | +10° | -7° | -7° | -7° |
| Tip       | 0°        | 0°  | +8° | +8°  | +4°  | +4°  | +8°  | +8° | 0°  | 0°  |
| In/out mm | 0.9       | 0.6 | 0.5 | 1.1  | 0.6  | 0.6  | 1.1  | 0.5 | 0.6 | 0.9 |
| Width mm  | 2.9       | 2.9 | 3.0 | 2.8  | 3.4  | 3.4  | 2.8  | 3.0 | 2.9 | 2.9 |

|           | Mandibular |      |     |     |     |     |     |      |      |  |
|-----------|------------|------|-----|-----|-----|-----|-----|------|------|--|
| Torque    | -17°       | -12° | -6° | -6° | -6° | -6° | -6° | -12° | -17° |  |
| Tip       | 2°         | 2°   | +3° | 0°  | 0°  | 0°  | +3° | 2°   | 2°   |  |
| In/out mm | 0.5        | 0.5  | 0.5 | 1.1 | 1.1 | 1.1 | 0.5 | 0.5  | 0.5  |  |
| Width mm  | 2.9        | 2.9  | 3.0 | 2.4 | 2.4 | 2.4 | 2.4 | 3.0  | 2.9  |  |

| Slot Size | Assortments Packs | Quantity | Without hook | Cuspid With hook | 3,4,5 With hooks |
|-----------|-------------------|----------|--------------|------------------|------------------|
| 18        | 1 Kit             | 20pcs    | ZP31-20      | ZP31-23          | ZP31-24          |
| 22        | 1 Kit             | 20pcs    | ZP32-20      | ZP32-23          | ZP32-24          |

| Slot Size | Assortments Packs | Quantity | Without hook | Cuspid With hook | 3,4,5 With hooks |
|-----------|-------------------|----------|--------------|------------------|------------------|
| 18        | 1 Kit             | 20pcs    | ZP21-20      | ZP21-23          | ZP21-24          |
| 22        | 1 Kit             | 20pcs    | ZP22-20      | ZP22-23          | ZP22-24          |

## BRACKETS

## Ceramic Brackets

## Specifications:

high quality dental orthodontic ceramic brackets

1. It made from Al2O3, clear and rounded design
2. lower profile

## Main feature of dental orthodontic ceramic brackets:

1. Made of aluminum oxide poly-crystalline or mono-crystalline
2. Monoblock injection ensures smooth surface, excellent strength and best aesthetic
3. Better base design provides stable mechanical bonding strength and debonding easily



## &gt;Roth\* Brackets (with metal slot/mesh base/slot base)

| Slot Size | Assortments Packs | Quantity | Cuspid With hook | 3,4,5 With hooks |
|-----------|-------------------|----------|------------------|------------------|
| 18        | 1 Kit             | 20pcs    | C21-43           | C21-44           |
| 22        | 1 Kit             | 20pcs    | C22-43           | C22-44           |

## &gt;Sliding-MBT\* Brackets (with metal slot/mesh base/slot base)

| Slot Size | Assortments Packs | Quantity | Cuspid With hook | 3,4,5 With hooks |
|-----------|-------------------|----------|------------------|------------------|
| 18        | 1 Kit             | 20pcs    | C31-43           | C31-44           |
| 22        | 1 Kit             | 20pcs    | C32-43           | C32-44           |

## &gt; Roth\* Brackets

| Slot Size | Assortments Packs | Quantity | Cuspid With hook | 3,4,5 With hooks |
|-----------|-------------------|----------|------------------|------------------|
| 18        | 1 Kit             | 20pcs    | CS21-43          | CS21-44          |
| 22        | 1 Kit             | 20pcs    | CS22-43          | CS22-44          |

## &gt; Sliding-MBT\* Brackets

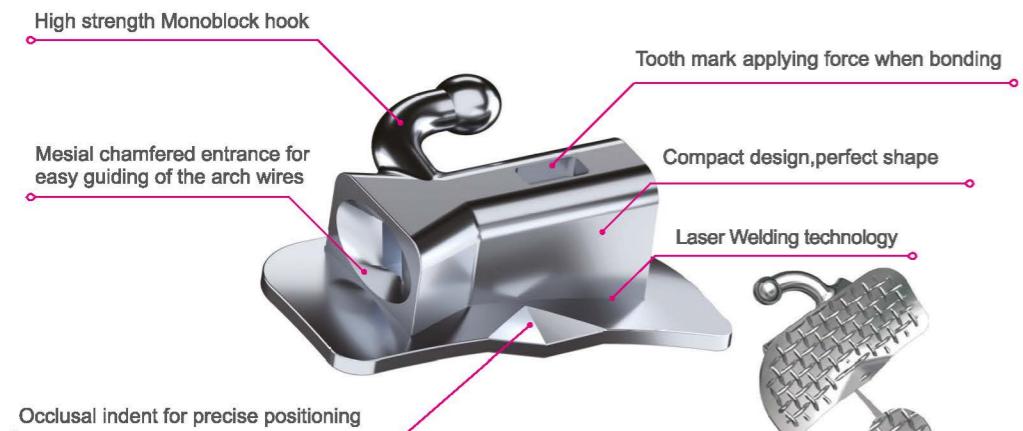
| Slot Size | Assortments Packs | Quantity | Cuspid With hook | 3,4,5 With hooks |
|-----------|-------------------|----------|------------------|------------------|
| 18        | 1 Kit             | 20pcs    | CS31-43          | CS31-44          |
| 22        | 1 Kit             | 20pcs    | CS32-43          | CS32-44          |

Sapphire  
Brackets

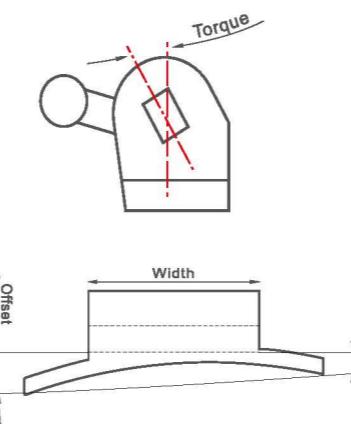
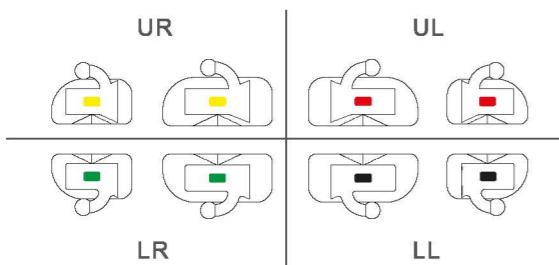
## Zeal Series Buccal Tubes

### Features:

- Made by precision casting process line, compact design
- The bondable buccal tube is easy to use for its high bonding strength and contoured mesh base
- Chamfered mesial entrance for easy guiding of the arch wires
- Laser Welding Technology



### > COLOR MARK IN FOUR QUADRANT



## BUCCAL TUBES

## Zeal Series Buccal Tubes

Single rectangle

Slot: 18×25 / 0.46×0.64mm  
22×28 / 0.56×0.71mm

### > 1st molar Bondable buccal tubes

| System                 | Teeth | Torque | Offset | In/out | Width | REF             |           |             |           |
|------------------------|-------|--------|--------|--------|-------|-----------------|-----------|-------------|-----------|
|                        |       |        |        |        |       | Non-convertible |           | Convertible |           |
|                        |       |        |        |        |       | 22              | 18        | 22          | 18        |
| Roth*                  | 16    | -14°   | 10°    | 0.5mm  | 4.0mm | T622-5115       | T621-5115 | T622-6115   | T621-6115 |
|                        | 26    | -14°   | 10°    | 0.5mm  | 4.0mm | T622-5125       | T621-5125 | T622-6125   | T621-6125 |
|                        | 36    | -25°   | 4°     | 0.5mm  | 4.0mm | T622-5135       | T621-5135 | T622-6135   | T621-6135 |
|                        | 46    | -25°   | 4°     | 0.5mm  | 4.0mm | T622-5145       | T621-5145 | T622-6145   | T621-6145 |
| code by kits(4pcs/kit) |       |        |        |        |       | T622-5105       | T621-5105 | T622-6105   | T621-6105 |
| Sliding -MBT*          | 16    | -14°   | 10°    | 0.5mm  | 4.0mm | T632-5115       | T631-5115 | T632-6115   | T631-6115 |
|                        | 26    | -14°   | 10°    | 0.5mm  | 4.0mm | T632-5125       | T631-5125 | T632-6125   | T631-6125 |
|                        | 36    | -20°   | 0°     | 0.5mm  | 4.0mm | T632-5135       | T631-5135 | T632-6135   | T631-6135 |
|                        | 46    | -20°   | 0°     | 0.5mm  | 4.0mm | T632-5145       | T631-5145 | T632-6145   | T631-6145 |
| code by kits(4pcs/kit) |       |        |        |        |       | T632-5105       | T631-5105 | T632-6105   | T631-6105 |



### > 2nd molar Bondable buccal tubes

| System                 | Teeth | Torque | Offset | In/out | Width | REF             |           |             |           |
|------------------------|-------|--------|--------|--------|-------|-----------------|-----------|-------------|-----------|
|                        |       |        |        |        |       | Non-convertible |           | Convertible |           |
|                        |       |        |        |        |       | 22              | 18        | 22          | 18        |
| Roth*                  | 17    | -14°   | 10°    | 0.5mm  | 3.2mm | T722-5115       | T721-5115 | T722-5125   | T721-5125 |
|                        | 27    | -14°   | 10°    | 0.5mm  | 3.2mm | T722-5125       | T721-5125 | T722-5135   | T721-5135 |
|                        | 37    | -25°   | 4°     | 0.5mm  | 3.2mm | T722-5135       | T721-5135 | T722-5145   | T721-5145 |
|                        | 47    | -25°   | 4°     | 0.5mm  | 3.2mm | T722-5145       | T721-5145 | T722-5105   | T721-5105 |
| code by kits(4pcs/kit) |       |        |        |        |       | T722-5105       | T721-5105 |             |           |
| Sliding -MBT*          | 17    | -14°   | 10°    | 0.5mm  | 3.2mm | T732-5115       | T731-5115 | T732-5125   | T731-5125 |
|                        | 27    | -14°   | 10°    | 0.5mm  | 3.2mm | T732-5125       | T731-5125 | T732-5135   | T731-5135 |
|                        | 37    | -10°   | 0°     | 0.6mm  | 3.2mm | T732-5135       | T731-5135 | T732-5145   | T731-5145 |
|                        | 47    | -10°   | 0°     | 0.6mm  | 3.2mm | T732-5145       | T731-5145 | T732-5105   | T731-5105 |
| code by kits(4pcs/kit) |       |        |        |        |       | T732-5105       | T731-5105 |             |           |



## Zeal Series Buccal Tubes

Single rectangle Slot: 18×25 / 0.46×0.64mm  
22×28 / 0.56×0.71mm

> 1st molar Bondable buccal tubes



| System                 | Teeth | Torque | Offset | In/out | Width | REF             |            |
|------------------------|-------|--------|--------|--------|-------|-----------------|------------|
|                        |       |        |        |        |       | Non-convertible |            |
|                        |       |        |        |        |       | 22              | 18         |
| Roth*                  | 16    | -14°   | 10°    | 0.5mm  | 4.0mm | T622-5115S      | T621-5115S |
|                        | 26    | -14°   | 10°    | 0.5mm  | 4.0mm | T622-5125S      | T621-5125S |
|                        | 36    | -25°   | 4°     | 0.5mm  | 4.0mm | T622-5135S      | T621-5135S |
|                        | 46    | -25°   | 4°     | 0.5mm  | 4.0mm | T622-5145S      | T621-5145S |
| code by kits(4pcs/kit) |       |        |        |        |       | T622-5105S      | T621-5105S |
| Sliding-MBT*           | 16    | -14°   | 10°    | 0.5mm  | 4.0mm | T632-5115S      | T631-5115S |
|                        | 26    | -14°   | 10°    | 0.5mm  | 4.0mm | T632-5125S      | T631-5125S |
|                        | 36    | -20°   | 0°     | 0.5mm  | 4.0mm | T632-5135S      | T631-5135S |
|                        | 46    | -20°   | 0°     | 0.5mm  | 4.0mm | T632-5145S      | T631-5145S |
| code by kits(4pcs/kit) |       |        |        |        |       | T632-5105S      | T631-5105S |

> 2nd molar Bondable buccal tubes



| System                 | Teeth | Torque | Offset | In/out | Width | REF             |            |
|------------------------|-------|--------|--------|--------|-------|-----------------|------------|
|                        |       |        |        |        |       | Non-convertible |            |
|                        |       |        |        |        |       | 22              | 18         |
| Roth*                  | 17    | -14°   | 10°    | 0.5mm  | 3.2mm | T722-5115S      | T721-5115S |
|                        | 27    | -14°   | 10°    | 0.5mm  | 3.2mm | T722-5125S      | T721-5125S |
|                        | 37    | -25°   | 4°     | 0.5mm  | 3.2mm | T722-5135S      | T721-5135S |
|                        | 47    | -25°   | 4°     | 0.5mm  | 3.2mm | T722-5145S      | T721-5145S |
| code by kits(4pcs/kit) |       |        |        |        |       | T722-5105S      | T721-5105S |
| Sliding-MBT*           | 17    | -14°   | 10°    | 0.5mm  | 3.2mm | T732-5115S      | T731-5115S |
|                        | 27    | -14°   | 10°    | 0.5mm  | 3.2mm | T732-5125S      | T731-5125S |
|                        | 37    | -10°   | 0°     | 0.5mm  | 3.2mm | T732-5135S      | T731-5135S |
|                        | 47    | -10°   | 0°     | 0.5mm  | 3.2mm | T732-5145S      | T731-5145S |
| code by kits(4pcs/kit) |       |        |        |        |       | T732-5105S      | T731-5105S |

## BUCCAL TUBES

## Zeal Series Buccal Tubes

Double combination Slot: 18×25 / 0.46×0.64mm  
22×28 / 0.56×0.71mm Round: Φ 45/1.15mm

> 1st molar Weldable buccal tubes



| System                 | Teeth | Torque | Offset | In/out | Width | REF             |           |
|------------------------|-------|--------|--------|--------|-------|-----------------|-----------|
|                        |       |        |        |        |       | Non-convertible |           |
|                        |       |        |        |        |       | 22              | 18        |
| Roth*                  | 16    | -14°   | 10°    | 0.4mm  | 4.0mm | T622-1211       | T621-1211 |
|                        | 26    | -14°   | 10°    | 0.4mm  | 4.0mm | T622-1221       | T621-1221 |
|                        | 36    | -25°   | 4°     | 0.4mm  | 4.0mm | T622-1131       | T621-1131 |
|                        | 46    | -25°   | 4°     | 0.4mm  | 4.0mm | T622-1141       | T621-1141 |
| code by kits(4pcs/kit) |       |        |        |        |       | T622-1201       | T621-1201 |
| Sliding-MBT*           | 16    | -14°   | 10°    | 0.4mm  | 4.0mm | T622-1211       | T621-1211 |
|                        | 26    | -14°   | 10°    | 0.4mm  | 4.0mm | T622-1221       | T621-1221 |
|                        | 36    | -20°   | 0°     | 0.4mm  | 4.0mm | T632-1131       | T631-1131 |
|                        | 46    | -20°   | 0°     | 0.4mm  | 4.0mm | T632-1141       | T631-1141 |
| code by kits(4pcs/kit) |       |        |        |        |       | T632-1201       | T631-1201 |

> 1st molar Weldable buccal tubes



| System                 | Teeth | Torque | Offset | In/out | Width | REF         |           |
|------------------------|-------|--------|--------|--------|-------|-------------|-----------|
|                        |       |        |        |        |       | Convertible |           |
|                        |       |        |        |        |       | 22          | 18        |
| Roth*                  | 16    | -14°   | 10°    | 0.4mm  | 4.0mm | T622-2311   | T621-2311 |
|                        | 26    | -14°   | 10°    | 0.4mm  | 4.0mm | T622-2321   | T621-2321 |
|                        | 36    | -25°   | 4°     | 0.4mm  | 4.0mm | T622-2431   | T621-2431 |
|                        | 46    | -25°   | 4°     | 0.4mm  | 4.0mm | T622-2441   | T621-2441 |
| code by kits(4pcs/kit) |       |        |        |        |       | T622-2301   | T621-2301 |
| Sliding-MBT*           | 16    | -14°   | 10°    | 0.4mm  | 4.0mm | T622-2311   | T621-2311 |
|                        | 26    | -14°   | 10°    | 0.4mm  | 4.0mm | T622-2321   | T621-2321 |
|                        | 36    | -20°   | 0°     | 0.4mm  | 4.0mm | T632-2431   | T631-2431 |
|                        | 46    | -20°   | 0°     | 0.4mm  | 4.0mm | T632-2441   | T631-2441 |
| code by kits(4pcs/kit) |       |        |        |        |       | T632-2301   | T631-2301 |

## Bands

### > Features:

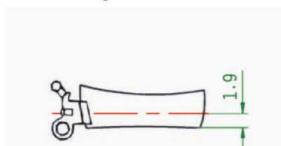
1 Shaped and contoured anatomically by CAD designing, for precise and snap fit. Suitable hardness, permanent laser mark.

2 Patented rough inner surface, enhance 30% bonding strength.

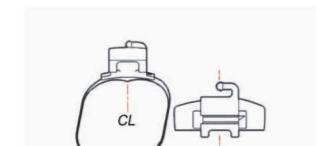


### > Pre-weld positioning:

Maxillary/

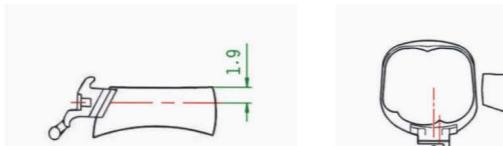


Occlusal gingiva positioning  
Center of edgewise slot nearest occlusal is 0.075 in(1.9mm)

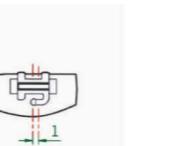


Centerline of buccal tube positioned on buccal indent  
From occlusal edge of band.  
Round tube mounted to occlusal

Mandibular/



Occlusal gingival positioning  
center of edgewise slot nearest occlusal is 0.075 in.(1.9mm)  
from occlusal edge of band.  
hooks are located in mesial-gingival coordinate.



Mesial distal positioning  
centerline of buccal tube positioned 0.040 in.  
(1.0mm distal from mesial buccal indent.)

## BANDS

## Bands

### > Double combination/Non-convertible

Pack: 10pcs or 100pcs



| System       | Teeth | Torque | Offset | Width | REF       |           |
|--------------|-------|--------|--------|-------|-----------|-----------|
|              |       |        |        |       | 22        | 18        |
| Roth         | 16    | -14°   | 10°    | 4.0mm | B622-5210 | B621-5210 |
|              | 26    | -14°   | 10°    | 4.0mm | B622-5220 | B621-5220 |
| Sliding -MBT | 16    | -14°   | 10°    | 4.0mm | B632-5210 | B631-5210 |
|              | 26    | -14°   | 10°    | 4.0mm | B632-5220 | B631-5220 |

### > Double combination/convertible

Pack: 10pcs or 100pcs



| System       | Teeth | Torque | Offset | Width | REF       |           |
|--------------|-------|--------|--------|-------|-----------|-----------|
|              |       |        |        |       | 22        | 18        |
| Roth         | 16    | -14°   | 10°    | 4.0mm | B622-6210 | B621-6210 |
|              | 26    | -14°   | 10°    | 4.0mm | B622-6220 | B621-6220 |
| Sliding -MBT | 16    | -14°   | 10°    | 4.0mm | B632-6210 | B631-6210 |
|              | 26    | -14°   | 10°    | 4.0mm | B632-6220 | B631-6220 |

### > Double rectangle/convertible

Pack: 10pcs or 100pcs



| System        | Teeth | Torque | Offset | Width | REF       |           |
|---------------|-------|--------|--------|-------|-----------|-----------|
|               |       |        |        |       | 22        | 18        |
| Roth*         | 16    | -14°   | 10°    | 4.0mm | B622-6110 | B621-6110 |
|               | 26    | -14°   | 10°    | 4.0mm | B622-6120 | B621-6120 |
| Sliding -MBT* | 36    | -30°   | 4°     | 4.0mm | B622-6130 | B621-6130 |
|               | 46    | -30°   | 4°     | 4.0mm | B622-6140 | B621-6140 |
| Roth*         | 16    | -14°   | 10°    | 4.0mm | B632-6110 | B631-6110 |
|               | 26    | -14°   | 10°    | 4.0mm | B632-6120 | B631-6120 |
| Sliding -MBT* | 36    | -20°   | 0°     | 4.0mm | B632-6130 | B631-6130 |
|               | 46    | -20°   | 0°     | 4.0mm | B632-6140 | B631-6140 |

### > Triple combination/convertible

Pack: 10pcs or 100pcs



| System       | Teeth | Torque | Offset | Width | REF       |           |
|--------------|-------|--------|--------|-------|-----------|-----------|
|              |       |        |        |       | 22        | 18        |
| Roth         | 16    | -14°   | 10°    | 4.0mm | B622-6310 | B621-6310 |
|              | 26    | -14°   | 10°    | 4.0mm | B622-6320 | B621-6320 |
| Sliding -MBT | 16    | -14°   | 10°    | 4.0mm | B632-6310 | B631-6310 |
|              | 26    | -14°   | 10°    | 4.0mm | B632-6320 | B631-6320 |



## Auxiliaries

### Crimpable Hooks Medium L=2.2mm

| Size   | Width | REF     | Pack     |
|--------|-------|---------|----------|
| 0.022" | 2.4mm | A201-06 | 10pcs/pk |
| 0.018" | 2.4mm | A201-07 | 10pcs/pk |
| 0.022" | 1.9mm | A201-10 | 10pcs/pk |
| 0.018" | 1.9mm | A201-11 | 10pcs/pk |



### Long curved Crimpable Hooks

| Size   | Type  | REF      | Pack     |
|--------|-------|----------|----------|
| 0.022" | Left  | A201-04L | 10pcs/pk |
| 0.022" | Right | A201-04R | 10pcs/pk |

Left / Right  
L=5.5mm



### Stops Wall thickness:0.30mm

| Size   | Width | REF     | Pack     |
|--------|-------|---------|----------|
| 0.022" | 2.4mm | A202-02 | 10pcs/pk |
| 0.022" | 1.9mm | A202-06 | 10pcs/pk |
| 0.018" | 1.9mm | A202-07 | 10pcs/pk |



### Bondable Lingual Buttons

Round base,80# mesh base  
Elliptical base,80# mesh base

|         |          |
|---------|----------|
| A302-01 | 10pcs/pk |
| A302-02 | 10pcs/pk |



### DTC Lingual Chain

Golden      Stainless Steel

|         |          |
|---------|----------|
| A305-01 | 10pcs/pk |
| A305-02 | 10pcs/pk |



### DTC Bondable Lingual Eyelets

Rectangle mesh base

|         |          |
|---------|----------|
| A306-01 | 10pcs/pk |
|---------|----------|



### DTC Face Mask

#### Face Mask/Adjustable

Mesial movement of laterals in upper and lower jaw. movement of groups of teeth in the arch Protraction of anterior segments.Adjustable

|       |          |        |        |
|-------|----------|--------|--------|
| Large | A511-01L | Blue   | 1pc/pk |
| Small | A511-01S | Yellow | 1pc/pk |



### Adaptable Class III Mask

With forehead rest and chin cup.  
Provide heavy force for Class III cases.

|          |           |      |        |
|----------|-----------|------|--------|
| Standard | A511-02B  | Blue | 1pc/pk |
|          | A511-02R  | Red  |        |
| Small    | A511-02SB | Blue | 1pc/pk |
|          | A511-02SR | Red  |        |



## AUXILIARIES INSTRUMENT

## Instruments

### Double ended positioning gauge

a: 2.0mm;2.5mm;3.0mm;3.5mm  
b: 3.5mm;4.0mm;4.5mm;5.0mm

One piece construction

|         |         |          |        |
|---------|---------|----------|--------|
| 0. 022" | A110-03 | 2pcs/pk  |        |
| 0. 018" | A110-04 | 2pcs/pk  |        |
| 2.0~3.5 | 0. 022" | A110-03a | 1pc/pk |
| 3.5~5.0 | 0. 022" | A110-03b | 1pc/pk |
| 2.0~3.5 | 0. 018" | A110-04a | 1pc/pk |
| 3.5~5.0 | 0. 018" | A110-04b | 1pc/pk |



### Bracket Tweezer

Bracket tweezer  
with positioning tip

|         |        |
|---------|--------|
| A121-03 | 1pc/pk |
| A121-05 | 1pc/pk |



### Tube Tweezers (short tip)

Used to hold posterior bracket and buccal tubes

|         |        |
|---------|--------|
| A121-07 | 1pc/pk |
|---------|--------|



### DTC Force Gauge

|         |        |
|---------|--------|
| A212-01 | 1pc/pk |
|---------|--------|



There are two units of measurement  
Ounce & gram  
Measuring range: 0-450g/0-16 Oz  
to measure tension and  
compression forces  
1 ounce=28.35gram

## Instruments

### DTC Intra Oral Mirror

> Glass mirror with hard surface  
Auto-clavable, up to 130

#### Occlusion,X-Large

M301-11 1pc/pk

#### Lingual, Small

M301-12 1pc/pk

#### Buccal

M301-13 1pc/pk

#### Occlusion, Large

M301-14 1pc/pk

#### Occlusion, Small

M301-15 1pc/pk

M301-10(5pcs/set)

### DTC Cheek Retractor

#### Lateral

A311-11 1pc/pk



#### Occlusion-Large

A311-12 2pcs/pk

#### Occlusion-Small

A311-13 2pcs/pk

Auto-clavable, up to 130°C

### DTC Black Contrastors

#### Occlusion Large

M303-13L 1pc/pk



#### Labial Left large

M303-18LL 1pc/pk



#### Labial Left small

M303-18LS 1pc/pk



#### Labial Right large

M303-18RL 1pc/pk



#### Labial Right small

M303-18RS 1pc/pk



#### Labial large

M303-19L 1pc/pk



#### Labial small

M303-19S 1pc/pk

# INSTRUMENT

### DTC Lip Retractor

#### Large

A312-11 8pcs/pk

#### Medium

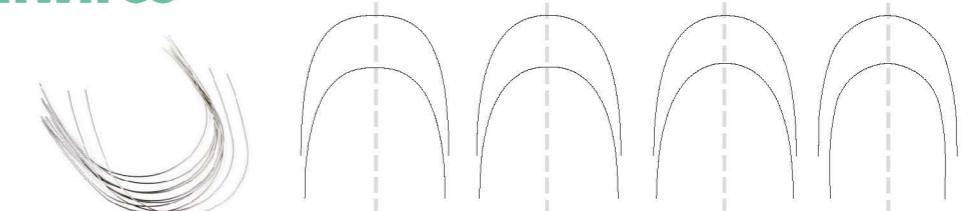
A312-12 8pcs/pk

#### Small

A312-13 12pcs/pk



## DTC Archwires



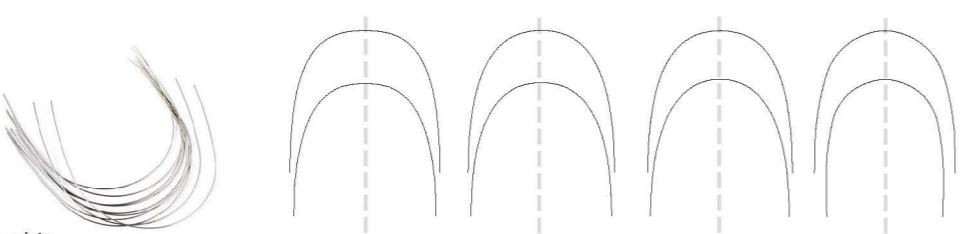
10 pcs/pk

| Round | Size inch/mm  | Square   | Oval     | Taper    | Natural  |
|-------|---------------|----------|----------|----------|----------|
| Upper | 0.012"/0.31mm | N111-12U | N121-12U | N131-12U | N141-12U |
|       | 0.014"/0.36mm | N111-14U | N121-14U | N131-14U | N141-14U |
|       | 0.016"/0.41mm | N111-16U | N121-16U | N131-16U | N141-16U |
|       | 0.018"/0.46mm | N111-18U | N121-18U | N131-18U | N141-18U |
|       | 0.020"/0.51mm | N111-20U | N121-20U | N131-20U | N141-20U |
| Lower | 0.012"/0.31mm | N111-12L | N121-12L | N131-12L | N141-12L |
|       | 0.014"/0.36mm | N111-14L | N121-14L | N131-14L | N141-14L |
|       | 0.016"/0.41mm | N111-16L | N121-16L | N131-16L | N141-16L |
|       | 0.018"/0.46mm | N111-18L | N121-18L | N131-18L | N141-18L |
|       | 0.020"/0.51mm | N111-20L | N121-20L | N131-20L | N141-20L |

| Rectangle | Size inch/mm             | Square     | Oval       | Taper      | Natural    |
|-----------|--------------------------|------------|------------|------------|------------|
| Upper     | 0.016×0.016"/0.41×0.41mm | N111-1616U | N121-1616U | N131-1616U | N141-1616U |
|           | 0.016×0.022"/0.41×0.56mm | N111-1622U | N121-1622U | N131-1622U | N141-1622U |
|           | 0.017×0.022"/0.43×0.56mm | N111-1722U | N121-1722U | N131-1722U | N141-1722U |
|           | 0.017×0.025"/0.43×0.64mm | N111-1725U | N121-1725U | N131-1725U | N141-1725U |
|           | 0.018×0.022"/0.46×0.56mm | N111-1822U | N121-1822U | N131-1822U | N141-1822U |
|           | 0.018×0.025"/0.46×0.64mm | N111-1825U | N121-1825U | N131-1825U | N141-1825U |
|           | 0.019×0.025"/0.48×0.64mm | N111-1925U | N121-1925U | N131-1925U | N141-1925U |
|           | 0.021×0.025"/0.53×0.64mm | N111-2125U | N121-2125U | N131-2125U | N141-2125U |
| Lower     | 0.016×0.016"/0.41×0.41mm | N111-1616L | N121-1616L | N131-1616L | N141-1616L |
|           | 0.016×0.022"/0.41×0.56mm | N111-1622L | N121-1622L | N131-1622L | N141-1622L |
|           | 0.017×0.022"/0.43×0.56mm | N111-1722L | N121-1722L | N131-1722L | N141-1722L |
|           | 0.017×0.025"/0.43×0.64mm | N111-1725L | N121-1725L | N131-1725L | N141-1725L |
|           | 0.018×0.022"/0.46×0.56mm | N111-1822L | N121-1822L | N131-1822L | N141-1822L |
|           | 0.018×0.025"/0.46×0.64mm | N111-1825L | N121-1825L | N131-1825L | N141-1825L |
|           | 0.019×0.025"/0.48×0.64mm | N111-1925L | N121-1925L | N131-1925L | N141-1925L |
|           | 0.021×0.025"/0.53×0.64mm | N111-2125L | N121-2125L | N131-2125L | N141-2125L |

| Super-elastic NiTi Arch Wires | Round | Rectangle |
|-------------------------------|-------|-----------|
|                               |       |           |

## DTC Archwires



10 pcs/pk

| Round | Size<br>inch/mm | Square   | Oval     | Taper    | Natural  |
|-------|-----------------|----------|----------|----------|----------|
| Upper | 0.012"/0.31mm   | S111-12U | S121-12U | S131-12U | S141-12U |
|       | 0.014"/0.36mm   | S111-14U | S121-14U | S131-14U | S141-14U |
|       | 0.016"/0.41mm   | S111-16U | S121-16U | S131-16U | S141-16U |
|       | 0.018"/0.46mm   | S111-18U | S121-18U | S131-18U | S141-18U |
|       | 0.020"/0.51mm   | S111-20U | S121-20U | S131-20U | S141-20U |
|       | 0.012"/0.31mm   | S111-12L | S121-12L | S131-12L | S141-12L |
|       | 0.014"/0.36mm   | S111-14L | S121-14L | S131-14L | S141-14L |
|       | 0.016"/0.41mm   | S111-16L | S121-16L | S131-16L | S141-16L |
| Lower | 0.018"/0.46mm   | S111-18L | S121-18L | S131-18L | S141-18L |
|       | 0.020"/0.51mm   | S111-20L | S121-20L | S131-20L | S141-20L |

## Stainless Steel Arch Wires

Round

| Rectangle | Size<br>inch/mm          | Square     | Oval       | Taper      | Natural    |
|-----------|--------------------------|------------|------------|------------|------------|
| Upper     | 0.016×0.016"/0.41×0.41mm | S111-1616U | S121-1616U | S131-1616U | S141-1616U |
|           | 0.016×0.022"/0.41×0.56mm | S111-1622U | S121-1622U | S131-1622U | S141-1622U |
|           | 0.017×0.022"/0.43×0.56mm | S111-1722U | S121-1722U | S131-1722U | S141-1722U |
|           | 0.017×0.025"/0.43×0.64mm | S111-1725U | S121-1725U | S131-1725U | S141-1725U |
|           | 0.018×0.022"/0.46×0.56mm | S111-1822U | S121-1822U | S131-1822U | S141-1822U |
|           | 0.018×0.025"/0.46×0.64mm | S111-1825U | S121-1825U | S131-1825U | S141-1825U |
|           | 0.019×0.025"/0.48×0.64mm | S111-1925U | S121-1925U | S131-1925U | S141-1925U |
|           | 0.021×0.025"/0.53×0.64mm | S111-2125U | S121-2125U | S131-2125U | S141-2125U |
|           | 0.016×0.016"/0.41×0.41mm | S111-1616L | S121-1616L | S131-1616L | S141-1616L |
|           | 0.016×0.022"/0.41×0.56mm | S111-1622L | S121-1622L | S131-1622L | S141-1622L |
|           | 0.017×0.022"/0.43×0.56mm | S111-1722L | S121-1722L | S131-1722L | S141-1722L |
|           | 0.017×0.025"/0.43×0.64mm | S111-1725L | S121-1725L | S131-1725L | S141-1725L |
|           | 0.018×0.022"/0.46×0.56mm | S111-1822L | S121-1822L | S131-1822L | S141-1822L |
|           | 0.018×0.025"/0.46×0.64mm | S111-1825L | S121-1825L | S131-1825L | S141-1825L |
|           | 0.019×0.025"/0.48×0.64mm | S111-1925L | S121-1925L | S131-1925L | S141-1925L |
|           | 0.021×0.025"/0.53×0.64mm | S111-2125L | S121-2125L | S131-2125L | S141-2125L |

## ARCH WIRES

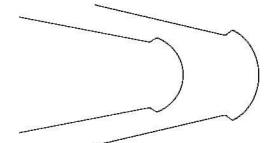
## DTC Archwires



&gt;NiTi Reverse Curve Arch Wires 2 pcs/pk

|       | Size<br>inch/mm | REF      |
|-------|-----------------|----------|
| Upper | 0.012"/0.31mm   | N341-12U |
|       | 0.014"/0.36mm   | N341-14U |
|       | 0.016"/0.41mm   | N341-16U |
|       | 0.018"/0.46mm   | N341-18U |
|       | 0.020"/0.51mm   | N341-20U |
| Lower | 0.012"/0.31mm   | N341-12L |
|       | 0.014"/0.36mm   | N341-14L |
|       | 0.016"/0.41mm   | N341-16L |
|       | 0.018"/0.46mm   | N341-18L |
|       | 0.020"/0.51mm   | N341-20L |

|       | Size<br>inch/mm          | REF        |
|-------|--------------------------|------------|
| Upper | 0.016×0.016"/0.41×0.41mm | N341-1616U |
|       | 0.016×0.022"/0.41×0.56mm | N341-1622U |
|       | 0.017×0.022"/0.43×0.56mm | N341-1722U |
|       | 0.017×0.025"/0.43×0.64mm | N341-1725U |
|       | 0.018×0.022"/0.46×0.56mm | N341-1822U |
|       | 0.018×0.025"/0.46×0.64mm | N341-1825U |
|       | 0.019×0.025"/0.48×0.64mm | N341-1925U |
|       | 0.021×0.025"/0.53×0.64mm | N341-2125U |
|       | 0.016×0.016"/0.41×0.41mm | N341-1616L |
|       | 0.016×0.022"/0.41×0.56mm | N341-1622L |
|       | 0.017×0.022"/0.43×0.56mm | N341-1722L |
|       | 0.017×0.025"/0.43×0.64mm | N341-1725L |
|       | 0.018×0.022"/0.46×0.56mm | N341-1822L |
|       | 0.018×0.025"/0.46×0.64mm | N341-1825L |
|       | 0.019×0.025"/0.48×0.64mm | N341-1925L |
|       | 0.021×0.025"/0.53×0.64mm | N341-2125L |
| Lower | 0.016×0.016"/0.41×0.41mm | N341-1616L |
|       | 0.016×0.022"/0.41×0.56mm | N341-1622L |
|       | 0.017×0.022"/0.43×0.56mm | N341-1722L |
|       | 0.017×0.025"/0.43×0.64mm | N341-1725L |
|       | 0.018×0.022"/0.46×0.56mm | N341-1822L |
|       | 0.018×0.025"/0.46×0.64mm | N341-1825L |
|       | 0.019×0.025"/0.48×0.64mm | N341-1925L |
|       | 0.021×0.025"/0.53×0.64mm | N341-2125L |



&gt; Super-elastic Lingual NiTi Arch Wires 10pcs/pk

|       | Size<br>inch/mm          | REF        |
|-------|--------------------------|------------|
| Upper | 0.012"/0.31mm            | L121-12U   |
|       | 0.014"/0.36mm            | L121-14U   |
|       | 0.016"/0.41mm            | L121-16U   |
|       | 0.018"/0.46mm            | L121-18U   |
|       | 0.020"/0.51mm            | L121-20U   |
|       | 0.012"/0.31mm            | L121-12L   |
|       | 0.014"/0.36mm            | L121-14L   |
|       | 0.016"/0.41mm            | L121-16L   |
|       | 0.018"/0.46mm            | L121-18L   |
|       | 0.020"/0.51mm            | L121-20L   |
|       | 0.016×0.022"/0.41×0.56mm | L121-1622U |
|       | 0.017×0.022"/0.43×0.56mm | L121-1722U |
|       | 0.017×0.025"/0.43×0.64mm | L121-1725U |
|       | 0.018×0.022"/0.46×0.56mm | L121-1822U |
|       | 0.018×0.025"/0.46×0.64mm | L121-1825U |
|       | 0.019×0.025"/0.48×0.64mm | L121-1925U |
|       | 0.021×0.025"/0.53×0.64mm | L121-2125U |
| Lower | 0.016×0.022"/0.41×0.56mm | L121-1622L |
|       | 0.017×0.022"/0.43×0.56mm | L121-1722L |
|       | 0.017×0.025"/0.43×0.64mm | L121-1725L |
|       | 0.018×0.022"/0.46×0.56mm | L121-1822L |
|       | 0.018×0.025"/0.46×0.64mm | L121-1825L |
|       | 0.019×0.025"/0.48×0.64mm | L121-1925L |
|       | 0.021×0.025"/0.53×0.64mm | L121-2125L |

## DTC Ligature Wires

### Annealed stainless steel

Dia. 0.20mm

|         |          |
|---------|----------|
| A601-20 | 30g/roll |
|---------|----------|

Dia. 0.25mm

|         |          |
|---------|----------|
| A601-25 | 30g/roll |
|---------|----------|

Dia. 0.30mm

|         |          |
|---------|----------|
| A601-30 | 30g/roll |
|---------|----------|



### Kobayashi Wires (long)

With hooks for elastics

|        |         |
|--------|---------|
| Φ 0.25 | A611-25 |
| Φ 0.30 | A611-30 |



100pcs/pk

### Kobayashi Wires (short)

With hooks for elastics

|        |         |
|--------|---------|
| Φ 0.25 | A612-25 |
| Φ 0.30 | A612-30 |

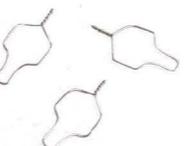
100pcs/pk



### Stainless steel (short)

|        |         |
|--------|---------|
| Φ 0.25 | A613-25 |
| Φ 0.30 | A613-30 |

100pcs/pk



### >NiTi Closed Spring With Eyelets 10pcs/pk

| Description | Size | Diameter/REF | 0.010"/0.25mm | 0.012"/0.31mm |
|-------------|------|--------------|---------------|---------------|
| Identical   | 3mm  | N612-1003    | N612-1203     |               |
|             | 6mm  | N612-1006    | N612-1206     |               |
|             | 9mm  | N612-1009    | N612-1209     |               |
|             | 12mm | N612-1012    | N612-1212     |               |

Identical eyelets:

Inner Diameter:Φ1.5mm



### DTC Arch Wire Box 1pc/pk

For placement of round and rectangular preformed arch wires.

A401-04



# LIGATURE ELASTICS

## DTC Elastics

### Power chains



### Separators



### Ligature rings



### O ring



50×100pcs/bag

### Power chains

|                   |         |                |
|-------------------|---------|----------------|
| Open long         | E631-01 | 1roll/pk(4.5m) |
| closed continuous | E631-02 | 1roll/pk(4.5m) |
| Open short        | E631-03 | 1roll/pk(4.5m) |

### Separators Blue

|         |            |
|---------|------------|
| E632-01 | 1050pcs/pk |
|---------|------------|

### Ligature rings

|         |            |
|---------|------------|
| E632-02 | 1040pcs/pk |
|---------|------------|

### O ring

| Size        | Light Force 2.5oz | Light Force 3.5oz | heavy Force 6.5oz | Medium Force 4.5oz |
|-------------|-------------------|-------------------|-------------------|--------------------|
| 1/8(3.2mm)  | A641-32           | A642-32           | A643-32           | A644-32            |
| 3/16(4.8mm) | A641-48           | A642-48           | A643-48           | A644-48            |
| 1/4(6.4mm)  | A641-64           | A642-64           | A643-64           | A644-64            |
| 5/16(7.9mm) | A641-79           | A642-79           | A643-79           | A644-79            |
| 3/8(9.5mm)  | A641-95           | A642-95           | A643-95           | A644-95            |

## DTC PLIERS

## Light wire cutter

Hardness : HRC58-63,  
Cutting edge made by new Technology.  
ligature wires diameter up to 0.30mm  
(0.012")  
(can not be used for cutting arch wires )

|          |     |             |        |
|----------|-----|-------------|--------|
| P106-01  | 0°  | Standard    | 1pc/pk |
| P106-01M | 0°  | Mini        | 1pc/pk |
| P106-01L | 0°  | Long handle | 1pc/pk |
| P106-03  | 13° | Standard    | 1pc/pk |
| P106-03M | 13° | Mini        | 1pc/pk |
| P106-04  | 45° | Standard    | 1pc/pk |



## Distal end cutter

Hardness : HRC 58-63,  
Cutting edge made by new technology.  
Used to cut the long distal end of arch  
wires, and safety holding the cut part.  
Arch wires up to 0.021" X 0.025"  
(0.53mmX0.64mm)  
Mini tip : 0.018" x 0.022"

|          |             |        |
|----------|-------------|--------|
| P106-05  | Standard    | 1pc/pk |
| P106-05L | Long handle | 1pc/pk |



## Distal end cutter-with flush end

Hardness : HRC 58-63,  
Cutting edge made by new technology.  
Used to cut the distal end of arch wires  
and safety holding the cut part, the distal  
end of arch wire will be flush with tube  
slot's distal end. Arch wires up to  
0.021" X 0.025" (0.53mmX0.64mm)

|          |             |        |
|----------|-------------|--------|
| P106-06  | Standard    | 1pc/pk |
| P106-06L | Long handle | 1pc/pk |



## Light wire pliers

Hardness of tip: HRC 55-60,  
Cutting edge made by new Technology.  
Used to make different fine loops for arch wires,  
and to make spring loops. Wires' diameter up  
to 0.030" (0.76mm)

|         |          |        |
|---------|----------|--------|
| P106-07 | Standard | 1pc/pk |
|---------|----------|--------|



## Light wire pliers with cutter

Hardness of tip: HRC 55-60,  
Cutting edge made by new technology.  
Used to make different fine loops for  
arch wires, and to make spring loops.  
Tip with cutting edge for wires cutting.

|         |          |        |
|---------|----------|--------|
| P106-08 | Standard | 1pc/pk |
|---------|----------|--------|



## Heavy cutter

Hardness of tip: HRC 58-63,  
Cutting edge made by new technology.  
Used to cut Australia wires, NITI wires,  
stainless steel wires. Wires' diameter up  
to 0.030" (0.76mm)

|         |             |        |
|---------|-------------|--------|
| 106-09  | Standard    | 1pc/pk |
| 106-09L | Long handle | 1pc/pk |



## NITI cinch back pliers(Dual Direction)

Hardness of tip: HRC55-60 ,  
Cutting edge made by new technology.  
Used to cinch back distal end of arch  
wires to avoid any injury of soft tissue.  
NITI wires' diameter up to 0.021" (0.53mm)

|          |             |        |
|----------|-------------|--------|
| P106-10  | Standard    | 1pc/pk |
| P106-10L | Long handle | 1pc/pk |



NITI cinch back pliers

## V stop pliers

To make V stop along arch  
wires to prevent any movement.

|         |          |        |
|---------|----------|--------|
| P107-01 | Standard | 1pc/pk |
|---------|----------|--------|



V stop pliers

## Cap removing pliers

To remove the caps of  
convertible tubes.

|         |                   |          |
|---------|-------------------|----------|
| P107-02 | Standard          | 1pc/pk   |
| P302-01 | Replacement blade | 10pcs/pk |



Cap removing pliers

## Torque pliers

Hardness of tip: HRC55-60 ,  
Cutting edge made by new technology.  
Used in pair to make torques on rectangle  
wires, thickness of tips: 0.050" (1.27mm)

|         |          |        |
|---------|----------|--------|
| P105-01 | Standard | 1pc/pk |
|---------|----------|--------|



Torque pliers

## Multi-function pliers

Hardness: HRC 52-55  
Used to bend, flatten and cut wires.

|         |          |        |
|---------|----------|--------|
| P107-03 | Standard | 1pc/pk |
|---------|----------|--------|



Multi-function pliers

## Tweed loop pliers

Hardness of tip: HRC55-60 ,  
Cutting edge made by new technology.  
To make small loops, distal stops  
and Q loops on arch wires

|         |          |        |
|---------|----------|--------|
| P105-02 | Standard | 1pc/pk |
|---------|----------|--------|



Tweed loop pliers

## Band remover

Hardness of tip: HRC 50-55 ,  
Used to remove bands and other  
bondable attachment.

|         |                     |        |
|---------|---------------------|--------|
| P105-03 | Posterior/short tip | 1pc/pk |
| P105-16 | Posterior/long tip  | 1pc/pk |



Band remover

## Pliers stands:

Fully stainless steel stands  
Newly designed, high  
temperature sterilized.

|         |          |        |
|---------|----------|--------|
| P105-05 | Standard | 1pc/pk |
|---------|----------|--------|



## Bracket removing pliers

Hardness of tip: HRC 50-55 ,  
Used to remove anterior brackets.

|          |             |        |
|----------|-------------|--------|
| P105-06  | Standard    | 1pc/pk |
| P105-06L | Long handle | 1pc/pk |



Bracket removing pliers

Hardness of tip: HRC 50-55 ,  
Used to remove posterior brackets.

|         |                  |          |
|---------|------------------|----------|
| P105-13 | Standard         | 1pc/pk   |
| P301-02 | Replacement tips | 10pcs/pk |



Posterior bracket removing pliers

Hardness of tip: HRC50-55 ,  
Used to remove bondage on the crown  
without any injury on enamel.

|         |          |        |
|---------|----------|--------|
| P105-14 | Standard | 1pc/pk |
|---------|----------|--------|



Bondage removing pliers

Hardness of tip: HRC50-55 ,  
To make V loops and bend arch wires.

Wires' diameter up to 0.030" (0.76mm)

|         |          |        |
|---------|----------|--------|
| P105-15 | Standard | 1pc/pk |
|---------|----------|--------|



Omega loop bending pliers

Hardness of tip: HRC50-55 ,

To make fine Q loops. Three different loops :  
diameter 0.063" , 0.075" , 0.10" (diameter 1.6mm, 2.0mm, 2.6mm)

|         |          |        |
|---------|----------|--------|
| P103-01 | Standard | 1pc/pk |
|---------|----------|--------|



Elastic pliers

Hardness of tip: HRC50-55 ,

For expanding elastic separating  
rings before separating molar gap.

|         |          |         |
|---------|----------|---------|
| P201-04 | Standard | 1set/pk |
| P201-05 | Large    | 1set/pk |



Pliers stands:

Fully stainless steel stands

Newly designed, high  
temperature sterilized.

|         |          |        |
|---------|----------|--------|
| P105-07 | Standard | 1pc/pk |
|---------|----------|--------|



Weingart pliers

Hardness of tip: HRC 50-55  
Used to cinch back distal end of arch wires  
to avoid any injury of soft tissue.

|          |             |        |
|----------|-------------|--------|
| P105-08  | Standard    | 1pc/pk |
| P105-08L | Long handle | 1pc/pk |



Crimpable hook pliers

Hardness of tip: HRC 50-55  
To fix the crimpable h ooks along arch wires.

**MDK**  
DENTAL HANDPIECES  
& INSTRUMENTS

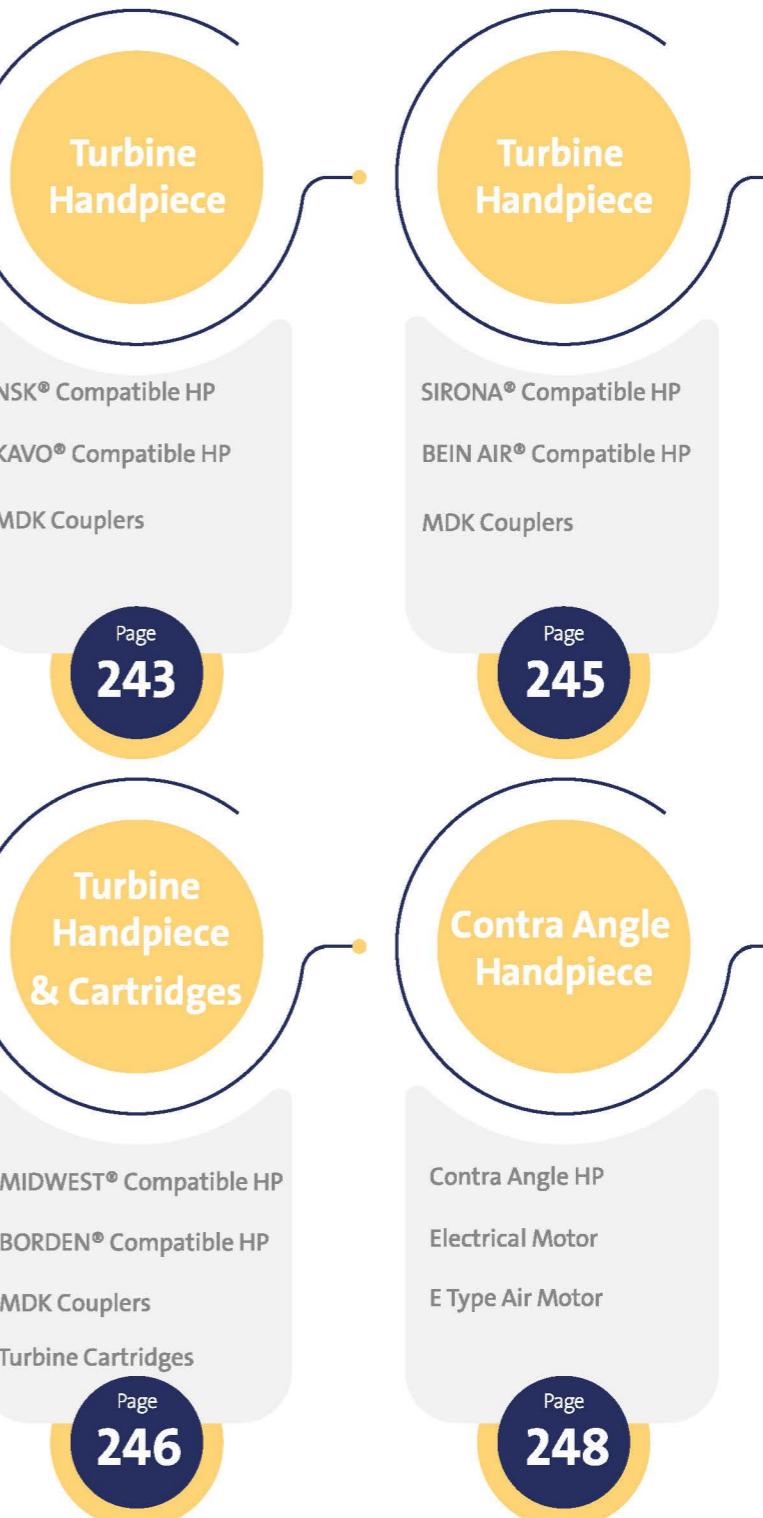


**MDK**  
DENTAL HANDPIECES  
& INSTRUMENTS

**TITANIUM**  
STRENGTH & LIGHTNESS

KD  
Kafou Dent

# PAGE INDEX



**Crafted Titanium Body**

MDK is specialized in producing dental handpieces in solid titanium body. Titanium is about 30 % lighter than conventional materials for dental handpieces, also strong against repeated sterilization.

The light weight reduces clinicians wrist fatigue significantly and non-slip surface of solid titanium makes the whole procedure safer.

**Ceramic Ball Bearing**

MDK only use Ceramic ball bearings which generates less wear and less temperatures. Ceramic balls increase the bearing's speed capabilities and life span compared to the Steel ball bearings.

**Advanced Spindle-producing Technology**

Bur eccentricity causes bur fly-out, bur wobbles and failure of turbine. MDK's spindle(where the bur inserted) is made of Carbide Steel which is very hard metal and the chuck extracting force is  $\geq 30\text{N}$ .

**Pressure Control System**

MDK's pressure control system ensures only stable amount of air-pressure is provided while operation so the bearings would not be damaged.

**Multi Water Spray**

MDK's turbines offer from single to multi-port water spray that provide ideal cooling effect for the entire operation.

**Fiber Optic System**

MDK's Fiber Optic system enhances operator visibility.

Fiber optics are made from solid glass rod instead of a collection of optic fibers.

MDK's LED light bulb generates a brighter and whiter light.

**Noise-Free Operation**

MDK's advanced balancing technology by high-end balancing equipment provides very quiet operation

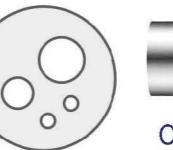
And noise level is less than 60dB(A)

**Scratch Resistant treatment**

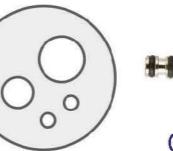
MDK's surface treatment technology offers scratch resistant and comfortable grip.

**NSK® COMPATIBLE MDK HANDPIECES****PEDIATRIC HEAD****STANDARD HEAD****TORQUE HEAD****45° HEAD****NSK® COMPATIBLE MDK COUPLERS**

Order code: MDK-N1  
FIBER OPTIC 6-PIN TYPE



Order code: MDK-N4  
E-LIGHT GENERATOR TYP



Order code: MDK-N01  
NON OPTIC 4 -HOLE TYPE

## KAVO® COMPATIBLE MDK HANDPIECES

PEDIATRIC HEAD



Model: MOKO 760K LED PEDIATRIC

Order code: 760KLP  
Cartridge code: KPEDI

STANDARD HEAD



Model: MOKO 560K LED

Order code: 560KLS  
Cartridge code: N600

TORQUE HEAD



Model: MOKO 760K LED

Order code: 760KLT  
Cartridge code: K8000

45° HEAD



Model: MOKO TN45K LED

Order code: 760KLB  
Cartridge code: K8000Order code: TN45KL  
Cartridge code: N600

## SIRONA®/ BIEN-AIR® COMPATIBLE MDK HANDPIECES

STANDARD HEAD



SIRONA® TYPE

Model: MOKO 560S LED

Order code: 560SLS  
Cartridge code: N600

TORQUE HEAD



Model: MOKO 760S LED

Order code: 760SLT  
Cartridge code: K8000

STANDARD HEAD



BIEN-AIR® TYPE

Model: MOKO 560B LED

Order code: 560BLS  
Cartridge code: N600

TORQUE HEAD



Model: MOKO M760BLT LED

Order code: 760BLT  
Cartridge code: K8000

## KAVO® COMPATIBLE MDK COUPLERS



## SIRONA®/ BIEN-AIR® COMPATIBLE MDK COUPLERS

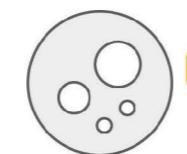
Order code: MDK-S2  
FIBER OPTIC 6-PIN TYPEOrder code: MDK-B2  
FIBER OPTIC 6-PIN TYPE

**BORDEN®/MIDWEST® COMPATIBLE MDK HANDPIECES**

WITH PRESSURE CONTROL SYSTEM \*

**BORDEN® 2 OR 3 HOLE FITTING**Model: MOKO 220BT  
PEDIATRIC

Model: MOKO 220B

**MIDWEST® 4-HOLE FITTING**

Model: MOKO 220 BLACK



Model: MOKO 420MT



Model: MOKO 420M

Order code: 220BT  
Cartridge code: N600Order code: 220BS  
Cartridge code: N600Order code: 220 BLACK  
Cartridge code: N600Order code: 420MT  
Cartridge code: N600Order code: 420M  
Cartridge code: N600

| More Options with 4 Holes                  |  |  |  |  |
|--|--|--|--|--|
| More Options with 4 Holes and Light source |  |  |  |  |

| MODEL       | ORDER CODE | Material     | Head     | Cooling | MODEL     | ORDER CODE | Material     | Head     | Cooling |
|-------------|------------|--------------|----------|---------|-----------|------------|--------------|----------|---------|
| MOKO430MT-L | 430MT-L    | Titanium     | Torque   | Multi   | MOKO430MT | 430MT      | Titanium     | Torque   | Multi   |
| MOKO420MT-L | 420MT-L    | Titanium     | Standard | Multi   | MOKO420MT | 420MT      | Non-Titanium | Standard | Multi   |
| MOKO230BT   | 230BTS     | Non-Titanium | Torque   | Multi   | MOKO430M  | 430M       | Non-Titanium | Torque   | Multi   |
| MOKO230BT   | 230BT      | Non-Titanium | Standard | Multi   | MOKO420M  | 420M       | Non-Titanium | Standard | Multi   |
| MOKO K45M   | K45M       | Non-Titanium | Standard | Single  | MOKO450M  | 450M       | Non-Titanium | Standard | Single  |
|             |            |              |          |         | MOKO440M  | 440M       | Non-Titanium | Standard | Single  |

**FEATURES OF MDK DENTAL CARTRIDGES**

MDK OFFERS TOP QUALITY DENTAL REPLACEMENT PARTS FOR A WIDE RANGE OF THE MAJOR BRANDS.OEM PARTS CAN BE PRODUCED UPON REQUEST.

- Dimensional Accuracy:  $\leq 0.006\text{mm}$
- Bur runout Accuracy :  $\leq 0.006\text{mm}$
- Accuracy of the bur guide: 0.002mm
- Chuck Extracting force:  $\leq 30\text{N}$
- Push button opening force:  $\leq 45\text{N}$

- High performance Ceramic bearings
- Durable Carbide made bur guide
- Accurately Balanced by high-end balancing equipment

**\* WHAT IS PRESSURE CONTROL SYSTEM?**

Sometimes dental clinics use higher air pressure than recommended level which leads to early bearing failure. Pressure control system ensures only stable amount of air-pressure is provided while operation so the bearings would not be damaged.

| HEAD SIZE            | ORDER CODE | COMPATIBILITY   |
|----------------------|------------|-----------------|
| M DK TORQUE HEAD MDK | K8000      | KAVO® 8000B     |
| STANDARD HEAD MDK    | N600       | NSK® TI-MAX 600 |
| PEDIATRIC HEAD       | KPEDI      | N/A             |
| MDK NQD HEAD         | K5000      | N/A             |
| MDK K5000            | NQD        | N/A             |

## MDK LOW SPEED HANDPIECES

**1:1** Constant speed contra-angle**1:5** Increasing speed contra-angle**20:1** Reduction speed contra-angles for implantology and surgical applications

Model: CA-PL1

Order code: FC001  
Max. Motor Speed : 40,000 RPM  
Fiber optic/For CA burs



Model: FG-PL15

Order code: FC005  
Max. Motor Speed : 40,000 RPM  
Fiber optic/For FG burs



Model: CA-PL20

Order code: FC004-S  
Non-optic



Model: CA-PL20X

Order code: FC003  
Fiber optic



Model: CA-PL30

Order code: FC003-S  
Fiber optic

## MDK LOW SPEED HANDPIECES

**1:1** Non optic contra angles EXTERNAL SPRAY

INTERNAL SPRAY

**1:1** Non optic Straight handpieces EXTERNAL SPRAY

INTERNAL SPRAY



Model: CA-20L

Order code: C-001  
LATCH TYPE  
MAX. SPEED :  
25,000 RPM



Model: CA-20P

Order code: C-002  
PUSH BUTTON TYPE  
MAX. SPEED :  
25,000 RPM



Model: CA-20PB

Order code: C-003S  
PUSH BUTTON TYPE  
MAX. SPEED :  
25,000 RPM



Model: CA-20Pi

Order code: M-001  
MAX. SPEED :  
25,000 RPM



Model: MD-4

Order code: M-003S  
MAX. SPEED :  
25,000 RPM



Model: MD-4i

Order code: M-002  
MAX. SPEED :  
25,000 RPM

## ELECTRICAL MOTOR

TI-K40L BRUSHLESS ELECTRIC MOTOR KIT is designed by MDK's specialists of dental instruments, and it is designed with compact structure and is of reliable performance and features simply operating and accurately controlling, and is widely used in such processing as tapping,drilling and grinding when it connects to increasing or reduction drive straight or contra angle dental handpieces as an additional tool in the dental unit.



Power supply : 24 VAC

Model : TI-K70L KIT

ORDER CODE: Built-in kit : MMK-001 - Mobile kit : MMK-002

## MDK LOW SPEED E-TYPE AIR MOTORS

Fiber optic air motor with Internal spray



Model : T260i-LED  
Order code : AM1001  
Model : 260i-LED  
Order code : AM1001-1

Model : 260E-M4 / 260E-M4S  
Order code : AM1005 / AM1006S

Non optic air motor with external spray



Model : 260i-M4  
Order code : AM1003  
Model : 260i-B2  
Order code : AM1002



# CYTOPLAST®

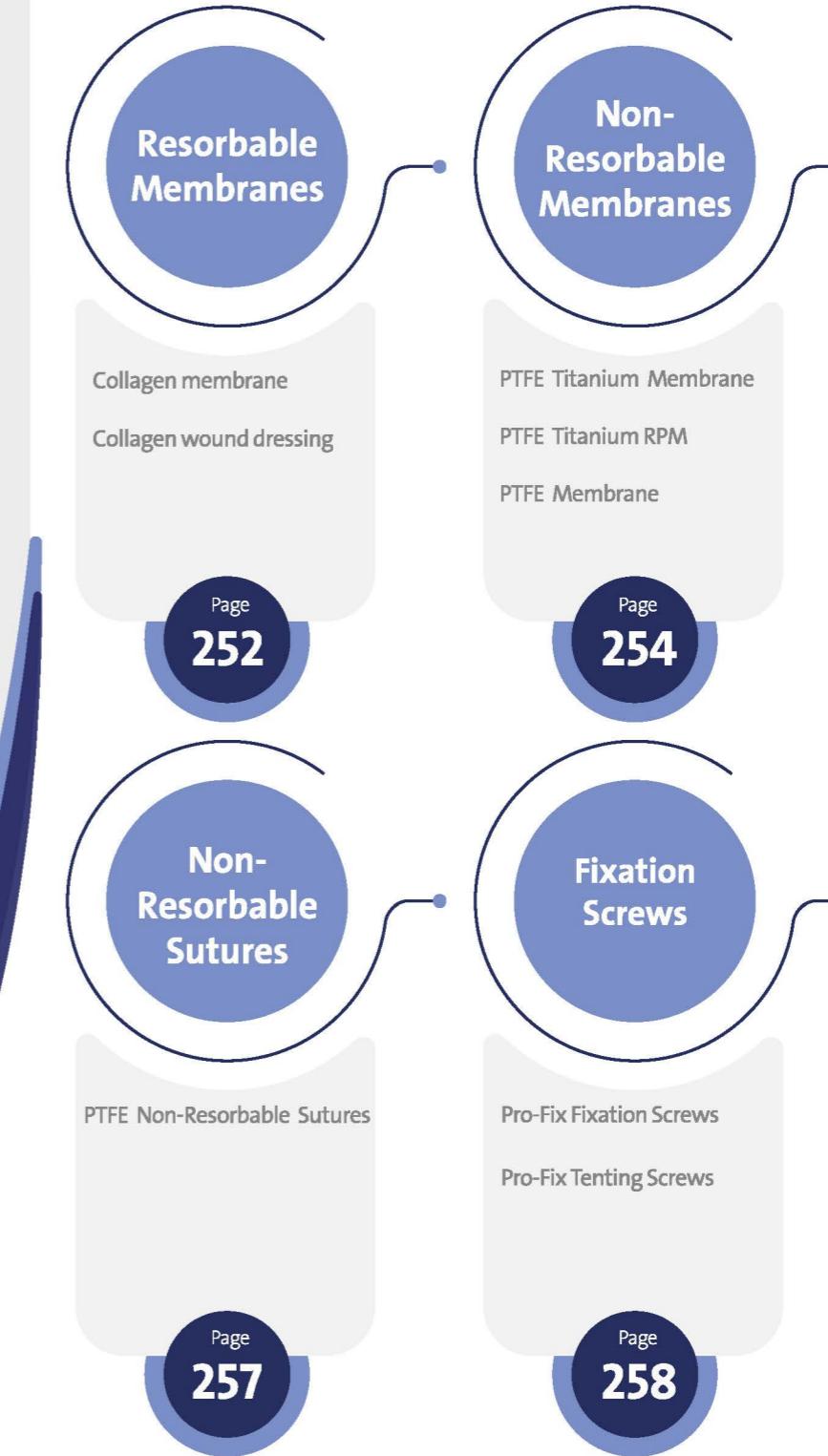


# OSTEOGENICS

  
BIOMEDICAL

**NEW**  
**RPM**  
reinforced ptfe mesh\*

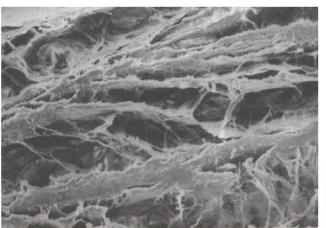
# PAGE INDEX



# OSTEOGENICS

**Cyoplast™ RTM Collagen**

Type I bovine collagen membrane



Multi-layer construction allows tissue integration into outer layer, while preventing direct passage of bacteria and epithelial cells.



Manufactured from highly purified type I bovine achilles tendon Safe for the patient

**26 – 38 week resorption time**

Long predictable resorption time limits the risk of particle loss due to premature resorption

**High tensile strength**

You can suture or tack the membrane in place without tearing

**Cell occlusive**

Prevents epithelial down growth

**Optimized flexibility**

Stiff enough for easy placement, yet easily drapes over ridge

**Features & Benefits****Applications**

- Oral ulcers (non-infected or viral)**
- Suture sites**
- Burns**
- Traumatic wounds**

- Surgical wounds**
- Periodontal surgical wounds**
- Extraction sites**
- Dental sores**



15 mm x 20 mm  
RTM1520 (2 membranes per box)

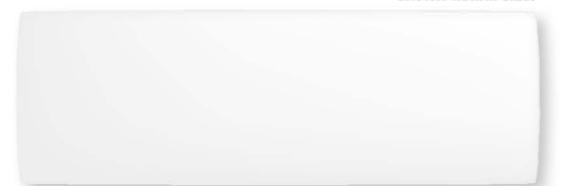


20 mm x 30 mm  
RTM2030 (2 membranes per box)



30 mm x 40 mm  
RTM3040 (2 membranes per box)

shown actual size.



**RTMTape**  
2.5 cm x 7.5 cm (1 mm thick)  
RTMTAPE10 (10 per box)



**RTMFoam**  
2 cm x 4 cm (3 mm thick)  
RTMFOAM10 (10 per box)



**RTMPlug**  
1 cm x 2 cm  
RTMPLUG10 (10 per box)

## Cyoplast™ Titanium-Reinforced

Titanium-reinforced, high-density PTFE membrane

### Versatile Rectangular Shapes

These configurations can be trimmed to fit a variety of defects.

**ANL**

Designed for narrow single-tooth



12 x 24 mm

Ti250ANL-1 (1/box)  
Ti250ANL-2 (2/box)**AS**

Designed for single-tooth



12 x 30 mm

Ti250AS-1 (1/box)  
Ti250AS-2 (2/box)**PS**

Designed for posterior single



20 x 25 mm

Ti250PS-1 (1/box)  
Ti250PS-2 (2/box)**PL**

Designed for large bony defects,



25 x 30 mm

Ti250PL-1 (1/box)  
Ti250PL-2 (2/box)**XL**

Designed for very large bony defects, &amp; ridge augmentation



30 mm x 40 mm

Ti250XL-1 (1/box)  
Ti250XL-2 (2/box)**XLK**

Designed for very large bony defects, &amp; ridge augmentation



30 mm x 40 mm

Ti250XLK-1 (1/box)  
Ti250XLK-2 (2/box)**K2**

Designed for very large bony defects, &amp; ridge augmentation



30 mm x 40 mm

Ti250K2-1 (1/box)  
Ti250K2-2 (2/box)

Ti-250 (250 µm thick)

### Shapes with Fixation Points

These configurations are designed with fixation points outside of the defect area.

**PST<sub>2</sub>**

For posterior extraction sites &amp; limited ridge augmentation



25 x 36 mm

Ti250PST-1 (1/box)  
Ti250PST-2 (2/box)**PLT<sub>2</sub>**

Designed for very large bony defects, &amp; ridge augmentation



30 x 41 mm

Ti250PLT-1 (1/box)  
Ti250PLT-2 (2/box)**BL**

Designed for buccal defects



17 x 25 mm

Ti250BL-1 (1/box)  
Ti250BL-2 (2/box)

Ti-250 (250 µm thick)

### Interproximal Shapes

These configurations are designed to fit between existing teeth.

**AS**

Designed for single-tooth



14 x 24 mm

Ti250AS-1 (1/box)  
Ti250AS-2 (2/box)**ATC**

Designed for bony defects between adjacent teeth



24 x 38 mm

Ti250ATC-1 (1/box)  
Ti250ATC-2 (2/box)**PTC**

Designed for bony defects between adjacent teeth



38 x 38 mm

Ti250PTC-1 (1/box)  
Ti250PTC-2 (2/box)**PD**

Designed for large bony defects, including distalextension of the posterior ridge



38 x 38 mm

Ti250PD-1 (1/box)  
Ti250PD-2 (2/box)**AP**

Designed to fit periodontal defects in the anterior



13 x 19 mm

Ti250AP-1 (1/box)  
Ti250AP-2 (2/box)**PP**

Designed to fit periodontal defects in the posterior



13 x 18 mm

Ti250PP-1 (1/box)  
Ti250PP-2 (2/box)

### Perio Shapes

These configurations are designed for grafting perio defects.

**ATC**

24 mm x 38 mm

RPM250ATC (1/box)

### Shapes with Fixation Points

These configurations are designed with fixation points outside of the defect area

**BL**

17 mm x 25 mm

RPM250BL (1/box)

**PST**

25 mm x 36 mm

RPM250PST (1/box)

**PLT**

30 mm x 41 mm

RPM250PLT (1/box)

## Cyoplast™ Titanium-Reinforced

RPM's unique circular macroporous design allows for direct contact between the bone graft and periosteum, allowing naturally occurring revascularization and infiltration of cells into the bone graft.



### Versatile Rectangular Shapes

These configurations can be trimmed to fit a variety of defects

**PS**

20 mm x 25 mm

RPM250PS (1/box)

**PL**

25 mm x 30 mm

RPM250PL (1/box)

**XL**

30 mm x 40 mm

RPM250XL (1/box)

**XLK**

30 mm x 40 mm

RPM250XLK (1/box)

**XLKM**

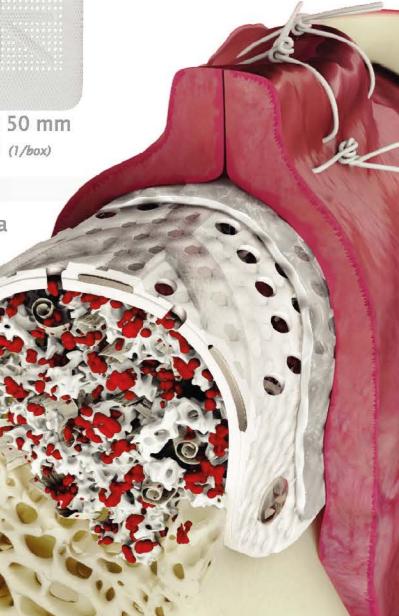
40 mm x 50 mm

RPM250XLM (1/box)

**K2**

40 mm x 50 mm

RPM250K2 (1/box)



### Interproximal Shapes

These configurations are designed to fit between existing teeth

**ATC**

38 x 38 mm

RPM250ATC (1/box)

**ATCM**

38 x 38 mm

RPM250ATCM (1/box)

**PTC**

38 x 38 mm

RPM250PTC (1/box)

**PTCM**

38 x 38 mm

RPM250PTCM (1/box)

**PD**

38 x 38 mm

RPM250PD (1/box)

**PDMR**

38 x 38 mm

RPM250PDMR (1/box)

**PDML**

38 x 38 mm

RPM250PDML (1/box)

## Cytoplast™ TXT-200 & TXT-200 Singles

Micro-textured, high-density PTFE membrane



### **TXT-200 Singles**

12 mm x 24 mm

TXT1224-1 (1 membrane per box)

TXT1224 (10 membranes per box)

### **TXT-200**

25 mm x 30 mm

TXT2530-1 (1 membrane per box)

TXT2530 (4 membranes per box)

**Most popular membrane for  
socket grafting**



## Features & Benefits

### Non-Resorbable

Won't resorb prematurely – you dictate healing time

### 100% Dense (non-expanded) PTFE

Impervious to bacteria (pore size less than 0.3 µm)

### Purposely leave the membrane exposed

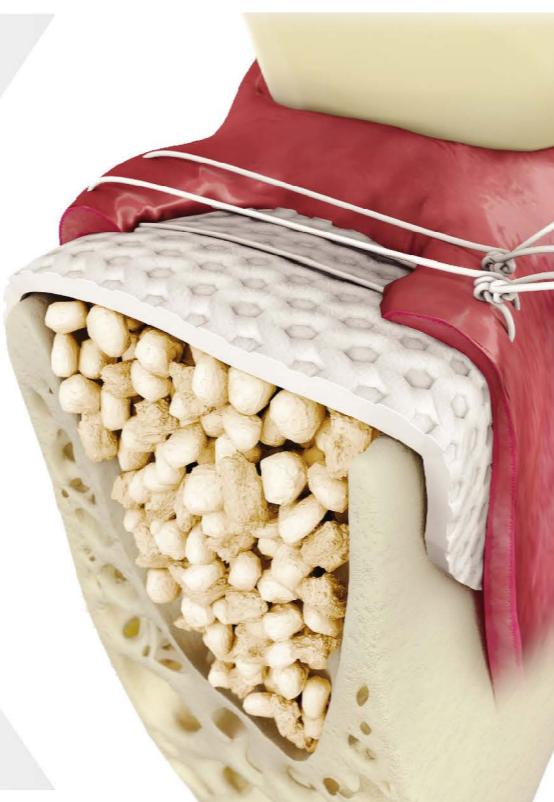
Preservation of the soft tissue architecture and keratinized mucosa

### Soft tissue attaches, but doesn't grow through the membrane

Exposed membrane allows for non-surgical removal; no anesthesia required

### Hexagonal dimples increase surface area

Designed to increase membrane stabilization



## Cytoplast™ PTFE Suture

The soft monofilament suture

## Features & Benefits

### 100% Medical Grade PTFE

Biologically inert

### Monofilament

Doesn't wick bacteria

### Soft (not stiff)

Comfortable for patients

### Little to no package memory

Excellent handling, knots securely

### Non-resorbable

Keeps the surgical site reliably closed



### **CS0618RC**

For dental implant and bone grafting procedures

- Size: USP 4-0
- 16 mm 3/8 Circle
- Precision Reverse Cutting

12 sutures per box

### **CS0618PREM**

For dental implant and bone grafting procedures where a smaller reverse cutting needle is desired

- Size: USP 4-0
- 13 mm 3/8 Circle
- Precision Reverse Cutting

12 sutures per box

### **CS0618PERIO**

For soft tissue grafts and delicate tissues that require anatraumatic needle

- Size: USP 4-0
- 13 mm 1/2 Circle
- Taper Point

12 sutures per box

### **CS051819**

Most popular needle in dentistry and most popular suture size

- Size: USP 3-0
- 19 mm 3/8 Circle
- Reverse Cutting

12 sutures per box

### **CS0518**

Most popular size for dental implant and bone grafting procedures

- Size: USP 3-0
- 16 mm 3/8 Circle
- Reverse Cutting

12 sutures per box

## Pro-Fix™ Membrane Fixation

Precision Fixation System

**Pro-fix™ Membrane Fixation Screws are designed as an attractive alternative to using tacks for membrane stabilization. Easy pick-up, solid stability of the screw during transfer to the surgical site, and easy placement make membrane fixation fast and easy.**

Tray and organizer dial are designed to store all Pro-fix™ components including up to 100 membrane fixation, tenting, and bone fixation screws

Blades are designed to work universally with all Pro-fix™ membrane fixation, tenting, and bone fixation screws

## Self-Drilling Membrane Fixation Screws

1.5 mm x 3.0 mm actual size

5 screws PFMF-5  
10 screws PFMF-10  
20 screws PFMF-20

## Individual Components

Stainless Steel Driver Handle PFDH  
76 mm Cruciform Driver Blade PFDB  
56 mm Cruciform Driver Blade PFDB56  
Contra Angle Blade PFDBCA  
(24 mm long; 10 mm exposed distal length)  
Autoclavable Tecapro™ storage tray PFT  
1.2 mm diam. Latch Type Pilot Drill PFPD

## Membrane Fixation Kit

PFMK20



- (1) Autoclavable Tecapro™ storage tray w/ screw organizer dial
- (1) Stainless steel driver handle
- (1) 76 mm cruciform driver blade
- (1) 56 mm cruciform driver blade
- (20) 1.5 x 3.0 mm self-drilling fixation screws



## Pro-Fix™ Tenting

Precision Fixation System

## Tenting Kit

PFTK12

- (1) Autoclavable Tecapro™ storage tray w/ screw organizer dial
  - (1) Stainless steel driver handle
  - (1) 76 mm cruciform driver blade
  - (1) 56 mm cruciform driver blade
  - (4) 1.5 x 3.0 mm self-drilling tenting screws (7 mm total length: see below)
  - (4) 1.5 x 4.0 mm self-drilling tenting screws (8 mm total length: see below)
  - (4) 1.5 x 5.0 mm self-drilling tenting screws (9 mm total length: see below)
- For individual Pro-Fix™ driver and container components, see page 19.

## Self-Drilling Tenting Screws

1.5 mm x 3.0 mm

3.0 mm polished neck + 4.0 mm threaded portion = 7 mm total length

1 screw

5 screws

PFT3

actual size

1.5 mm x 4.0 mm

4.0 mm polished neck + 4.0 mm threaded portion = 8 mm total length

1 screw

5 screws

PFT4

actual size

1.5 mm x 5.0 mm

5.0 mm polished neck + 4.0 mm threaded portion = 9 mm total length

1 screw

5 screws

PFT5

actual size

## Fully Threaded Tenting Screws

1.5 mm x 8.0 mm

1 screw

PFT8

1.5 mm x 10.0 mm

1 screw

PFT10

actual size

actual size

## Self-Tapping Bone Fixation Screws

1.5 mm x 8 mm

1 screw

PFB8

actual size

1.5 mm x 10 mm

1 screw

PFB10

actual size

1.5 mm x 12 mm

1 screw

PFB12

actual size

1.5 mm x 14 mm

1 screw

PFB14

actual size

5 screws PFB14-5

actual size



KD  
Kafou دندان



# PAGE INDEX

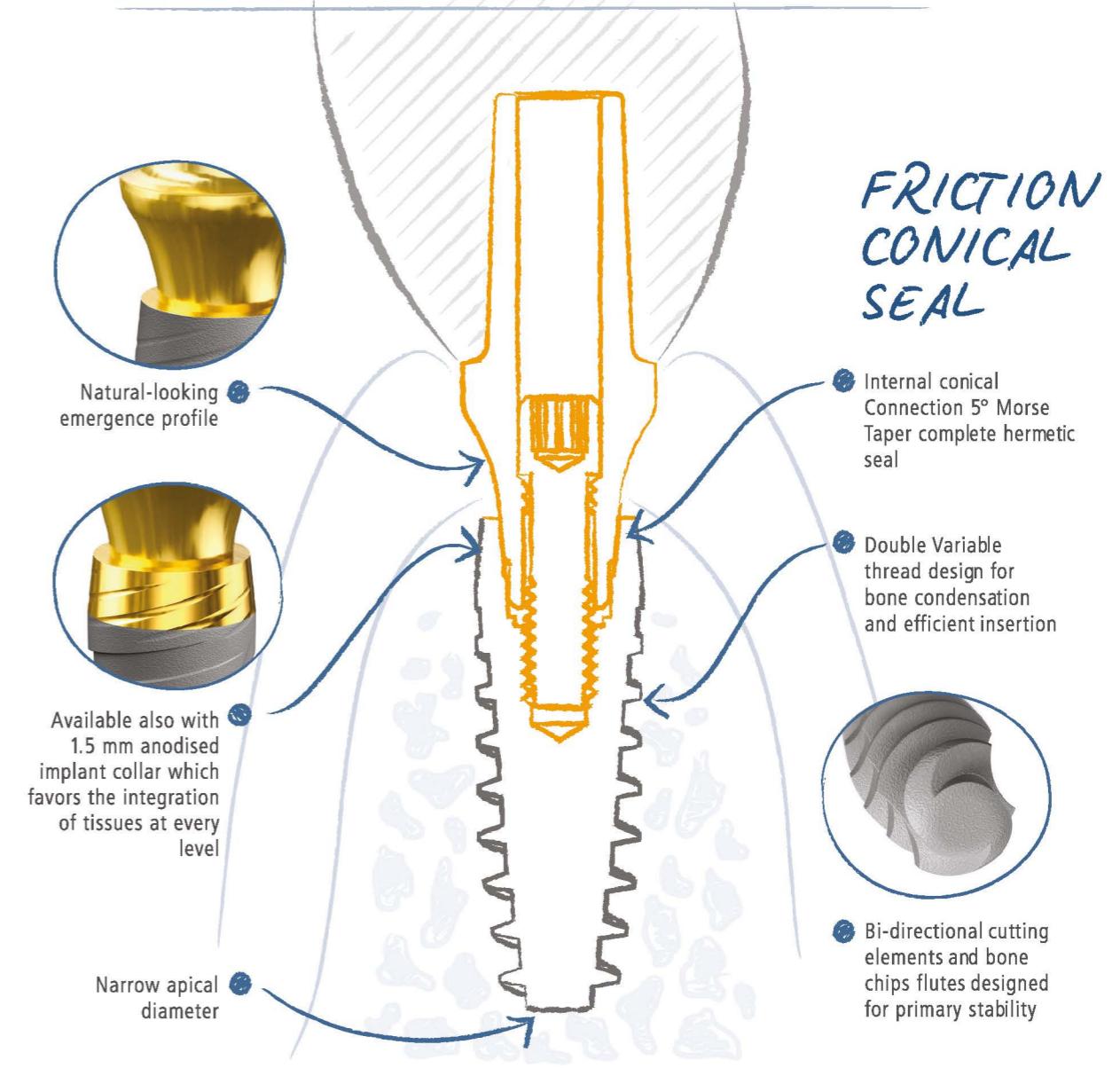




**ONE CONNECTION** for any size of fixtures and a simplified restorative workflow.

**EXCELLENT PRIMARY STABILITY** tapered design with expanding inner body small osteotomy.

**COMPLETE VARIETY OF PROSTHETIC OPTIONS** for best aesthetic results.



BoneTissue implant system  
**JD ICON<sup>®</sup> PLUS**

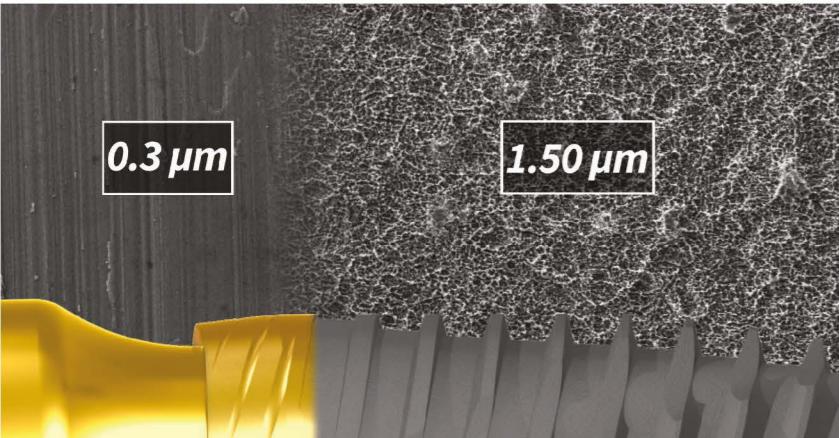
## PRODUCT SPECIFICATIONS.

The JDICON® Plus dental implant is available in the diameters and lengths shown in this chart:

| IMPLANT DIAMETER | TIP DIAMETER | ABUTMENT INTERFACE | PLATFORM DIAMETER | LENGTH                           |
|------------------|--------------|--------------------|-------------------|----------------------------------|
| Ø 3,7            | 2.4          | 3.1                | 3.7               | 8   10   11,5   13   15   18     |
| Ø 4,3            | 2.8          | 3.1                | 4.0               | 6   8   10   11,5   13   15   18 |
| Ø 5,0            | 3.2          | 3.1                | 4.0               | 6   8   10   11,5   13           |

Note: All dimensions are expressed in millimetres.

## BONETISSUE SURFACE TREATMENT.

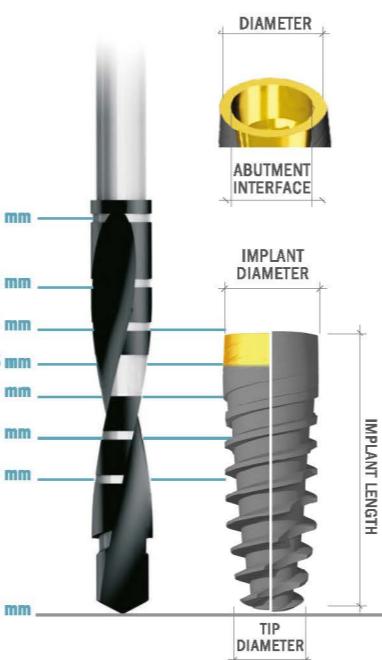


The JDICON® Plus dental implant is available in two versions:  
1. Full S.L.A. surface treatment  
2. H1.5 mm anodised implant collar and S.L.A. surface treatment on the body and apical part.

Note: All dimensions are expressed in RA values.  
S.E.M. picture shows the rugosity of the two different surface treatments.



**JDICON Plus**  
Internal Conical Connection  
5° Morse Taper.  
Complete hermetic seal.



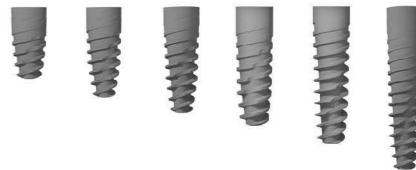
**JDIcon Plus:**

**Ø 3,7**  
IC37080, IC37100, IC37115, IC37130, IC37150, IC37180, JDIcon® Plus Ø3.7 L8, JDIcon® Plus Ø3.7 L10, JDIcon® Plus Ø3.7 L11.5, JDIcon® Plus Ø3.7 L13, JDIcon® Plus Ø3.7 L15, JDIcon® Plus Ø3.7 L18

**Ø 4,3**  
IC43060, IC43080, IC43100, IC43115, IC43130, IC43150, IC43180, JDIcon® Plus Ø4.3 L6, JDIcon® Plus Ø4.3 L8, JDIcon® Plus Ø4.3 L10, JDIcon® Plus Ø4.3 L11.5, JDIcon® Plus Ø4.3 L13, JDIcon® Plus Ø4.3 L15, JDIcon® Plus Ø4.3 L18

**Ø 5,0**  
IC50060, IC50080, IC50100, IC50115, IC50130, JDIcon® Plus Ø5.0 L6, JDIcon® Plus Ø5.0 L8, JDIcon® Plus Ø5.0 L10, JDIcon® Plus Ø5.0 L11.5, JDIcon® Plus Ø5.0 L13

## IMPLANT SIZES AVAILABLE



**JDIcon Plus (anodised collar):**

**Ø 3,7**  
IC37080, IC37100, IC37115, IC37130, IC37150, IC37180, JDIcon® Plus anodised collar Ø3.7 L8, JDIcon® Plus anodised collar Ø3.7 L10, JDIcon® Plus anodised collar Ø3.7 L11.5, JDIcon® Plus anodised collar Ø3.7 L13, JDIcon® Plus anodised collar Ø3.7 L15, JDIcon® Plus anodised collar Ø3.7 L18

**Ø 4,3**  
IC43060, IC43080, IC43100, IC43115, IC43130, IC43150, IC43180, JDIcon® Plus anodised collar Ø4.3 L6, JDIcon® Plus anodised collar Ø4.3 L8, JDIcon® Plus anodised collar Ø4.3 L10, JDIcon® Plus anodised collar Ø4.3 L11.5, JDIcon® Plus anodised collar Ø4.3 L13, JDIcon® Plus anodised collar Ø4.3 L15, JDIcon® Plus anodised collar Ø4.3 L18

**Ø 5,0**  
IC50060, IC50080, IC50100, IC50115, IC50130, JDIcon® Plus anodised collar Ø5.0 L6, JDIcon® Plus anodised collar Ø5.0 L8, JDIcon® Plus anodised collar Ø5.0 L10, JDIcon® Plus anodised collar Ø5.0 L11.5, JDIcon® Plus anodised collar Ø5.0 L13



## PROSTHETICS COMPONENTS

## Cover screw:

ICCS. Cover screw JDIcon® Plus

## Healing Abutment:

- ICHA43. Healing Abutment Ø 4.0 H 3.0 JDIcon® Plus
- ICHA45. Healing Abutment Ø 4.0 H 5.0 JDIcon® Plus
- ICHA47. Healing Abutment Ø 4.0 H 7.0 JDIcon® Plus
- ICHA53. Healing Abutment Ø 5.0 H 3.0 JDIcon® Plus
- ICHA55. Healing Abutment Ø 5.0 H 5.0 JDIcon® Plus
- ICHA57. Healing Abutment Ø 5.0 H 7.0 JDIcon® Plus
- ICHA63. Healing Abutment Ø 6.0 H 3.0 JDIcon® Plus
- ICHA65. Healing Abutment Ø 6.0 H 5.0 JDIcon® Plus
- ICHA67. Healing Abutment Ø 6.0 H 7.0 JDIcon® Plus
- ICHA753. Healing Abutment Ø 7.5 H 3.0 JDIcon® Plus
- ICHA755. Healing Abutment Ø 7.5 H 5.0 JDIcon® Plus



## Impression Coping:

## OPEN TRAY

- ICICOT4C. Impression Coping open tray Ø 4.0 JDIcon® Plus
- ICICOT5C. Impression Coping open tray Ø 5.0 JDIcon® Plus
- ICICOT6C. Impression Coping open tray Ø 6.0 JDIcon® Plus



## CLOSED TRAY

- ICICCT4C. Impression Coping closed tray Ø 4.0 JDIcon® Plus
- ICICCT5C. Impression Coping closed tray Ø 5.0 JDIcon® Plus
- ICICCT6C. Impression Coping closed tray Ø 6.0 JDIcon® Plus
- ICCCCT01. Impression Coping closed tray direct press fit JDIcon® Plus

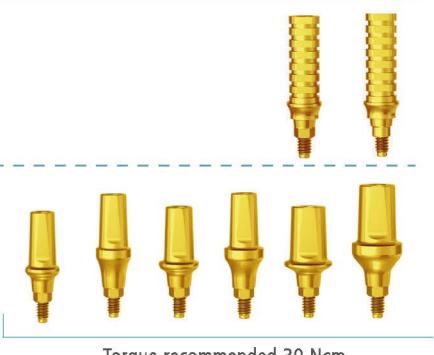
## Implant replica:

ICAN. Implant replica JDIcon® Plus

## PROSTHETICS COMPONENTS

## Temporary Abutment:

- ICTAEC. Temporary Abutment engaging JDIcon® Plus
- ICTANEC. Temporary Abutment non engaging JDIcon® Plus



## Straight Abutment:

- ICSA4520C. Straight Abutment Ø 4.5 H 2.0 JDIcon® Plus
- ICSA4540C. Straight Abutment Ø 4.5 H 4.0 JDIcon® Plus
- ICSA5020C. Straight Abutment Ø 5.0 H 2.0 JDIcon® Plus
- ICSA5040C. Straight Abutment Ø 5.0 H 4.0 JDIcon® Plus
- ICSA6020C. Straight Abutment Ø 6.0 H 2.0 JDIcon® Plus
- ICSA6040C. Straight Abutment Ø 6.0 H 4.0 JDIcon® Plus



## GP Abutment:

- ICGP40C. GP Abutment Ø 4.0 JDIcon® Plus
- ICGP50C. GP Abutment Ø 5.0 JDIcon® Plus
- ICGP60C. GP Abutment Ø 6.0 JDIcon® Plus



## Angulated Abutment:

- IC15A15C. Anatomic Abutment angulated 15° H 1.5 JDIcon® Plus
- IC15A30C. Anatomic Abutment angulated 15° H 3.0 JDIcon® Plus
- IC25A15C. Anatomic Abutment angulated 25° H 1.5 JDIcon® Plus
- IC25A30C. Anatomic Abutment angulated 25° H 3.0 JDIcon® Plus



## Cobalt-Chrome Abutment:

- ICCCCEC. Cobalt-Chrome Abutment engaging JDIcon® Plus
- ICCCNEC. Cobalt-Chrome Abutment non engaging JDIcon® Plus



## Prosthetic Screw:

- ICS. Abutment Screw JDIcon® Plus
- ICSA. Abutment Screw angulated channel JDIcon® Plus



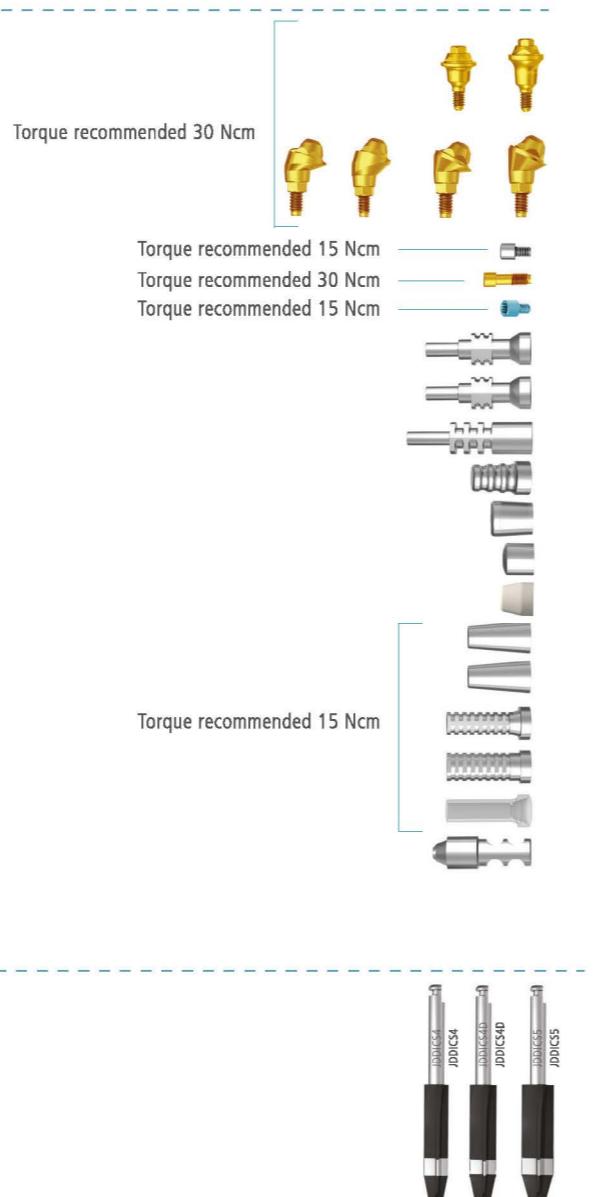
## PROSTHETICS COMPONENTS

### Conical Abutment:

|             |  |
|-------------|--|
| ICCA15C.    | Straight Conical Abutment H 1.5 JDIcon® Plus                 |
| ICCA30C.    | Straight Conical Abutment H 3.0 JDIcon® Plus                 |
| ICCA1725C.  | Conical Abutment angulated 17° H 2.5 JDIcon® Plus            |
| ICCA1735C.  | Conical Abutment angulated 17° H 3.5 JDIcon® Plus            |
| ICCA3025C.  | Conical Abutment angulated 30° H 2.5 JDIcon® Plus            |
| ICCA3035C.  | Conical Abutment angulated 30° H 3.5 JDIcon® Plus            |
| EVCAPS      | Prosthetic screw Conical Abutment                            |
| ICCASA.     | Screw for angulated Conical Abutment JDIcon® Plus            |
| EVCAPSA     | Prosthetic screw angulated channel for Conical Abutment      |
| EVCAICOTEC  | Impression coping open tray Conical Abutment engaging        |
| EVCAICOTC   | Impression coping open tray Conical Abutment                 |
| EVCAICOTLC  | Impression coping open tray H12 Conical Abutment             |
| EVCAICCTC   | Impression coping closed tray Conical Abutment               |
| EVCAHCL     | Healing cap Conical Abutment H 6.0                           |
| EVCAHC      | Healing cap Conical Abutment H 3.5                           |
| EVCAHCB     | Healing cap peek Conical Abutment H 3.5                      |
| EVCAGPAEC   | GP for Conical Abutment engaging                             |
| EVCAGPANECC | GP for Conical Abutment non engaging                         |
| EVCATANEC   | Temporary cylinder non engaging Conical Abutment             |
| EVCATANEWC  | Temporary cylinder non engaging Conical Abutment for welding |
| EVCawanec   | Wax up cylinder Conical Abutment non engaging                |
| EVCAAR      | Abutment Replica Conical Abutment                            |

### Short Drills: JDIcon® Plus

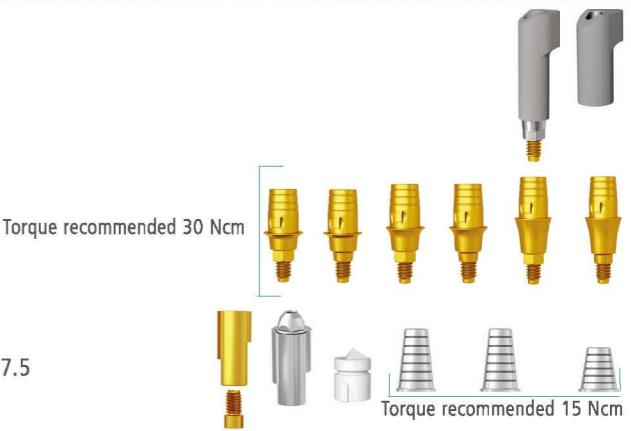
|          |  |
|----------|--|
| JDDICS4  | Short Drill Ø 4mm L6 JDIcon® Plus            |
| JDDICS4D | Short Drill Ø 4mm L6 Dense Bone JDIcon® Plus |
| JDDICS5  | Short Drill Ø 5mm L6 JDIcon® Plus            |



## PROSTHETICS COMPONENTS

### TiBase, JDScanBody and Implant Replica CAD CAM:

|             |   |
|-------------|---|
| ICSBCEC.    | JD ScanBody for JDIcon® Plus                          |
| EVCASBCEC   | JDScanBody for Conical Abutment                       |
| ICTIBC.     | TiBase engaging JDIcon® Plus                          |
| ICTIBNEC.   | TiBase non engaging JDIcon® Plus                      |
| ICTIB15C.   | TiBase engaging H 1.5 JDIcon® Plus                    |
| ICTIB15NEC. | TiBase non engaging H 1.5 JDIcon® Plus                |
| ICTIB30C.   | TiBase engaging H 3.0 JDIcon® Plus                    |
| ICTIB30NEC. | TiBase non engaging H 3.0 JDIcon® Plus                |
| ICANC.      | Implant Replica CAD CAM for JDIcon® Plus              |
| EVCAARC     | Abutment Replica CAD CAM for Conical Abutment         |
| EVSCBOW     | ScanBody for TiBase                                   |
| EVCAITEC    | Interface CAD CAM engaging for Conical Abutment H 7.5 |
| EVCAITC     | Interface CAD CAM for Conical Abutment H 7.5          |
| EVCATIBC    | Interface CAD CAM for Conical Abutment H 5.0          |



Note: Please contact [info@jdentalcare.com](mailto:info@jdentalcare.com) for the digital library for Exocad, 3Shape and Dental Wings software.

### Emi Abutment:

|          |  |
|----------|--|
| ICEMI15. | Emi Abutment H 1.5 JDIcon® Plus                                |
| ICEMI30. | Emi Abutment H 3.0 JDIcon® Plus                                |
| ICEMI50. | Emi Abutment H 5.0 JDIcon® Plus                                |
| EVEMISCK | Smart cap attachment housing Emi Abutment                      |
| EVEMIHC  | Cap attachment housing and elastic retentive cap Emi           |
| EVEMIN   | Elastic retentive cap standard Emi Abutment - Retention 1,2 Kg |
| EVEMIH   | Cap attachment housing Emi Abutment                            |
| EVEMIIC  | Impression coping Plastic for Emi Abutment                     |
| EVEMIICS | Impression coping Steel for Emi Abutment                       |
| EVEMINT  | Elastic retentive cap white Emi Abutment - Retention 1,8 Kg    |
| EVEMINY  | Elastic retentive cap yellow Emi Abutment - Retention 0,6 Kg   |
| EVEMINP  | Elastic retentive cap purple Emi Abutment - Retention 2,5 Kg   |
| EVEMINB  | Elastic retentive cap for laboratory Emi Abutment              |
| EVEMIA   | Emi Abutment analog  |
| EVEMIEIT | Insertion and Extractor Tool for Caps Emi Abutment             |



## Implant Driver and Abutment removal drivers

|           |   |
|-----------|---|
| ICID.     | Implant driver JDIcon® Plus                               |
| ICIDL.    | Implant driver long JDIcon® Plus                          |
| EVSDPF15  | Screwdriver hex 1.20 prosthetic for torque wrench L15     |
| EVSDPF20  | Screwdriver hex 1.20 for torque wrench L20                |
| EVSDPF25  | Screwdriver hex 1.20 for torque wrench L25                |
| EVSDPF35  | Screwdriver hex 1.20 prosthetic for torque wrench L35     |
| EVSDCAF   | Screwdriver torque wrench Conical Abutment                |
| EVSDP20   | Screwdriver hex 1.20 machine prosthetic L20               |
| EVSDP25   | Screwdriver hex 1.20 machine prosthetic L25               |
| EVSDP30   | Screwdriver hex 1.20 machine prosthetic L30               |
| EVSDCA    | Screwdriver machine Conical Abutment                      |
| EVSDPF25A | Screwdriver screw angulated channel for torque wrench L25 |
| EVSDPF30A | Screwdriver screw angulated channel for torque wrench L30 |
| ICATR27.  | Abutment Removal Driver 27 JDIcon® Plus                   |
| ICATR34.  | Abutment Removal Driver 34 JDIcon® Plus                   |
| EVSUD     | JD Surgical Driver  |
| ICGMC.    | Implant Mounter Guided Surgery for JDIcon® Plus           |
| JDG       | JD Guide for the full arch implant surgery                |

## Bone mill:

|         |   |
|---------|---|
| ICBM5C. | Bone Mill Ø 5.0 and Bone Mille guide JDIcon® Plus |
| ICBM6C. | Bone Mill Ø 6.0 and Bone Mille guide JDIcon® Plus |
| ICBMG.  | Bone Mill guide JDIcon® Plus                      |



## DRILLING PROTOCOLS.

It is recommended to adhere to the indications of the following drilling sequence to ensure optimal primary stability of the implant.

| IMPLANT DIAMETER | HEALED BONE  |  | POST EXTRACTIVE BONE  |   |
|------------------|--|--|---|---|
|                  | SOFT BONE  | MEDIUM-DENSE BONE  | SOFT BONE   | MEDIUM-DENSE BONE   |
| Ø 3,7            | 2.0<br>2.4<br>2.8<br>up to the first laser mark L6mm               | 2.0<br>2.4<br>2.8<br>up to the first laser mark L6mm               | 2.0<br>2.4<br>2.8 at the entrance<br>up to the first laser mark L6mm                  | 2.0<br>2.4<br>2.8 at the entrance   |
| Ø 4,3            | 2.0<br>2.4<br>2.8<br>3.2<br>at the entrance                        | 2.0<br>2.4<br>2.8<br>3.2<br>up to the first laser mark L6-8mm      | 2.0<br>2.4<br>2.8<br>3.2 at the entrance<br>up to the first laser mark L6mm           | 2.0<br>2.4<br>2.8<br>3.2 at the entrance  |
| Ø 5,0            | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>up to the first laser mark L6mm | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>up to the first laser mark L6mm | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>at the entrance<br>up to the first laser mark L6mm | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>at the entrance<br>up to the first laser mark L6mm |



**Short Implant L6mm JDIcon® Plus insertion in maxilla**

**Short Ø 4,3 L6**

Use the Ø4mm L6 JDIcon® Plus+ drill JDDICS4

**Short Ø 5,0 L6**

Use the Ø5mm L6 JDIcon® Plus+ drill JDDICS5

| IMPLANT DIAMETER | HEALED BONE   |   | POST EXTRACTIVE BONE  |   |
|------------------|---|---|---|---|
|                  | SOFT BONE   | MEDIUM-DENSE BONE   | SOFT BONE   | MEDIUM-DENSE BONE   |
| Ø 3,7            | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>up to the first laser mark L6mm      | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>up to the first laser mark L6mm      | 2.0<br>2.4<br>2.8 at the entrance<br>up to the first laser mark L6mm    | 2.0<br>2.4<br>2.8 at the entrance                                       |
| Ø 4,3            | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>4.0<br>up to the 2nd laser mark L8mm |
| Ø 5,0            | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>4.0<br>4.4<br>4.8<br>at the entrance | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>4.0<br>4.4<br>4.8<br>at the entrance | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>4.0 at the entrance                  | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>4.0 at the entrance                  |



**Short Implant L6mm JDIcon® Plus insertion in mandible**

**Short Ø 4,3 L6**

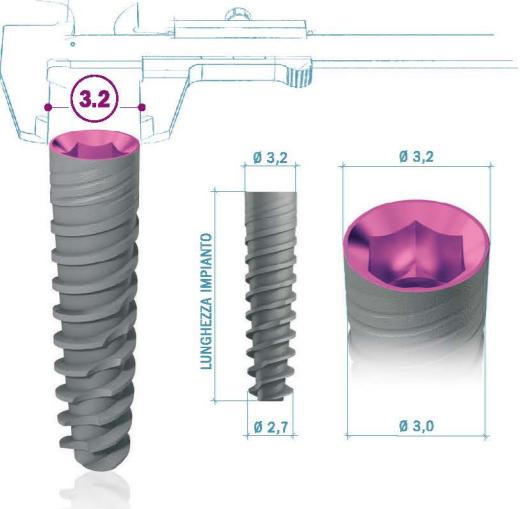
Use the Ø4mm L6 JDIcon® Plus+ drill JDDICS4

**Short Ø 5,0 L6**

Use the Ø5mm L6 JDIcon® Plus+ drill JDDICS5

# JD EVOLUTION S

SAFE AS ALWAYS, THINNER THAN EVER



## ADVANTAGES

- High primary stability, even in type 4 bone.
- Self drilling and self cutting.
- Redirecting capability for optimal placement.
- Immediate function capability.
- Built-in Platform switching.
- Solves tight spacing problems.
- Designed specifically for narrow spaces in the esthetic zone.

## IMPLANT MEASURES AND LENGTHS

The JDEvolution® S dental implant is available in the lengths shown in the following chart:

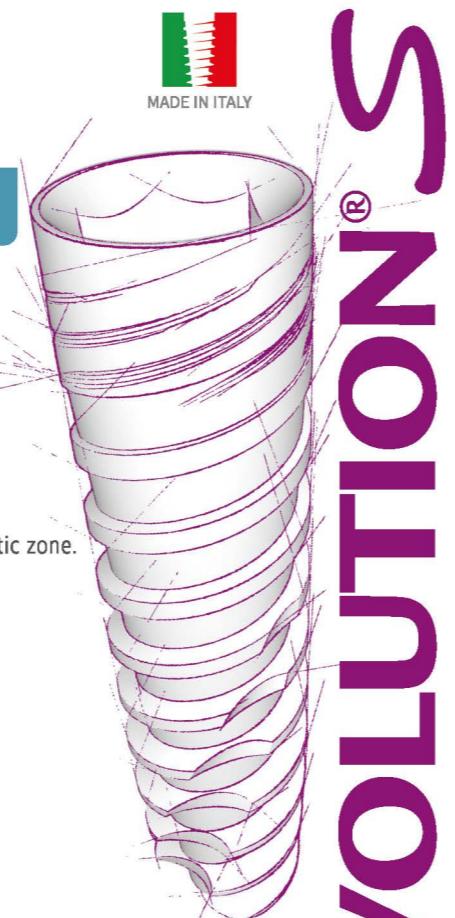


## DRILLING SEQUENCE

It is recommended to adhere to the indications of the following drilling sequence to ensure optimal primary stability of the implant

| IMPLANT DIAMETER  | SOFT BONE TYPE IV | MEDIUM BONE TYPE II-III | DENSE BONE TYPE I |
|-------------------|-------------------|-------------------------|-------------------|
| $\varnothing 3.2$ | 1,5 (2)           | 2                       | 2,4 (2,8)         |

Note: All dimensions are expressed in millimeters.



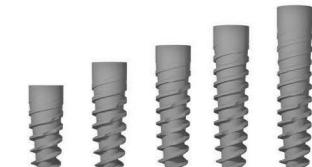
Dental Implant



## Implants:

### $\varnothing 3.2$

- EV32 080 JDEvolution® S  $\varnothing 3.2$  L 8  
 EV32100 JDEvolution® S  $\varnothing 3.2$  L 10  
 EV32115 JDEvolution® S  $\varnothing 3.2$  L 11,5  
 EV32130 JDEvolution® S  $\varnothing 3.2$  L 13  
 EV32150 JDEvolution® S  $\varnothing 3.2$  L 15



## Cover screw:

### ESCS

- Cover screw JDEvolution® S



## Healing Abutment:

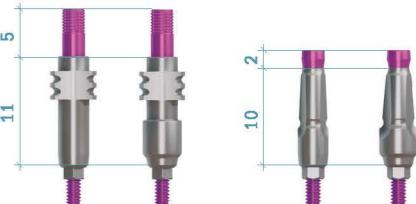
- Esha323 Healing Abutment  $\varnothing 3.2$  H 3.0 JDEvolution® S  
 Esha325 Healing Abutment  $\varnothing 3.2$  H 5.0 JDEvolution® S  
 Esha327 Healing Abutment  $\varnothing 3.2$  H 7.0 JDEvolution® S  
 Esha403 Healing Abutment  $\varnothing 4.0$  H 3.0 JDEvolution® S  
 Esha405 Healing Abutment  $\varnothing 4.0$  H 5.0 JDEvolution® S  
 Esha407 Healing Abutment  $\varnothing 4.0$  H 7.0 JDEvolution® S



## Impression coping:

### OPEN TRAY

- Impression coping open tray  $\varnothing 3.2$  JDEvolution® S  
 Impression coping open tray  $\varnothing 4.0$  JDEvolution® S



### CLOSED TRAY

- Impression coping closed tray  $\varnothing 3.2$  JDEvolution® S  
 Impression coping closed tray  $\varnothing 4.0$  JDEvolution® S



## Temporary Abutment & Immediate Temporary Abutment:

- ESTaec  
 ESTaneC  
 ESIT15C  
 EVITC

- Temporary Abutment engaging JDEvolution® S  
 Temporary Abutment non engaging JDEvolution® S  
 Immediate Temporary Abutment h1.5 JDEvolution® S  
 Healing cap



## GP Abutment & Anatomic Abutment:

- ESGPAE32C  
 ESGPAE40C  
 ES15GPAE40C  
 ESAA15C  
 ESAA30C

- GP Abutment  $\varnothing 3.2$  JDEvolution® S  
 GP Abutment  $\varnothing 4.0$  JDEvolution® S  
 GP Abutment 15°  $\varnothing 4.0$  JDEvolution® S  
 Anatomic Abutment  $\varnothing 4.0$  H 1.5 JDEvolution® S  
 Anatomic Abutment  $\varnothing 4.0$  H 3.0 JDEvolution® S

Torque recommended 30 Ncm

**Wax up Abutment:**

|         |   |
|---------|---|
| ESWAEC  | Wax-up Abutment engaging JDEvolution® S     |
| ESWANEC | Wax-up Abutment non engaging JDEvolution® S |

Torque recommended 30 Ncm

**Prosthetic screw:**

|      |   |
|------|---|
| ESS  | Abutment Screw JDEvolution® S           |
| ESSA | Abutment Screw Angulated JDEvolution® S |

Torque recommended 30 Ncm

**Conical Abutment:**

|           |   |
|-----------|---|
| ESCA15C   | Straight Conical Abutment H 1.5 JDEvolution® S      |
| ESCA30C   | Straight Conical Abutment H 3.0 JDEvolution® S      |
| ESCA1725C | 17° Angulated Conical Abutment H2.5 JDEvolution® S  |
| ESCA1735C | 17° Angulated Conical Abutment H3.5 JDEvolution® S  |
| ESCA3025C | 30° Angulated Conical Abutment H2.5 JDEvolution® S  |
| ESCA3035C | 30° Angulated Conical Abutment H3.5 JDEvolution® S  |
| ESCASA    | Screw for angulated Conical Abutment JDEvolution® S |

Note: All the prosthetic components on conical abutments are the same as JDEvolution® implant line.



Torque recommended 30 Ncm

**TiBase, JDScanBody and Implant Replica CAD CAM:**

|             |  |
|-------------|--|
| ESSBCEC     | JDScanBody for JDEvolution® S                          |
| ESTIBC      | TiBase engaging JDEvolution® S                         |
| ESTIBNEC    | TiBase non engaging JDEvolution® S                     |
| ESTIB15C    | TiBase engaging H 1.5 JDEvolution® S                   |
| ESTIB15NEC  | TiBase non engaging H 1.5 JDEvolution® S               |
| ESTIB30C    | TiBase engaging H 3.0 JDEvolution® S                   |
| ESTIB30NEC  | TiBase non engaging H 3.0 JDEvolution® S               |
| ESTIBNC     | TiBase engaging long JDEvolution® S                    |
| ESTIBNENC   | TiBase non engaging long JDEvolution® S                |
| ESTIB15NC   | TiBase engaging H 1.5 long JDEvolution® S              |
| ESTIB15NENC | TiBase non engaging H 1.5 long JDEvolution® S          |
| ESTIB30NC   | TiBase engaging H 3.0 long JDEvolution® S              |
| ESTIB30NENC | TiBase non engaging H 3.0 long JDEvolution® S          |
| EVSCBOW     | ScanBody for TiBase                                    |
| ESANC       | Implant replica CAD CAM for JDEvolution® S             |
| ESPMNC      | JD Pre-milled blanks and abutment screw JDEvolution® S |



Torque recommended 30 Ncm

**Implant replica:**

|      |                                |
|------|--------------------------------|
| ESAN | Implant replica JDEvolution® S |
|------|--------------------------------|



Torque recommended 30 Ncm

**Gold Abutment:**

|        |                                       |
|--------|---------------------------------------|
| ESGAEC | Gold Abutment engaging JDEvolution® S |
|--------|---------------------------------------|

Torque recommended 30 Ncm

**Emi Abutment:**

|          |   |
|----------|---|
| ESEMI15  | Emi Abutment H 1.5 JDEvolution® S                             |
| ESEMI30  | Emi Abutment H 3.0 JDEvolution® S                             |
| ESEMI50  | Emi Abutment H 5.0 JDEvolution® S                             |
| EVEMIA   | Emi Abutment replica JDEvolution® S                           |
| EVEMISCK | Smart cap attachment housing Emi Abutment                     |
| EVEMIHC  | Cap attachment housing and elastic retentive cap Emi Abutment |
| EVEMIN   | Elastic retentive cap Emi Abutment                            |

Torque recommended 30 Ncm

Note: All the prosthetic components on emi abutments are the same as JDEvolution® implant line.

**Implant and Prosthetic Drivers:**

|           |  |
|-----------|--|
| ESID      | Implant Driver JDEvolution® S                                      |
| ESIDL     | Implant Driver Long JDEvolution® S                                 |
| EVSDPF15  | Screwdriver hex 1.20 prosthetic for torque wrench L15 JDEvolution® |
| EVSDPF20  | Screwdriver hex 1.20 prosthetic for torque wrench L20 JDEvolution® |
| EVSDPF25  | Screwdriver hex 1.20 prosthetic for torque wrench L25 JDEvolution® |
| EVSDPF35  | Screwdriver hex 1.20 prosthetic for torque wrench L35 JDEvolution® |
| EVSDCAF   | Screwdriver torque wrench Conical Abutment                         |
| EVSDP20   | Screwdriver hex 1.20 machine prosthetic L20 JDEvolution®           |
| EVSDP25   | Screwdriver hex 1.20 machine prosthetic L25 JDEvolution®           |
| EVSDP30   | Screwdriver hex 1.20 machine prosthetic L30 JDEvolution®           |
| EVSDCA    | Screwdriver machine Conical Abutment                               |
| EVSDPF25A | Screwdriver screw angulated for torque wrench L25                  |
| EVSDPF30A | Screwdriver screw angulated for torque wrench L30                  |

**Bone Mills:**

|         |                                     |
|---------|-------------------------------------|
| JDBMNNC | Bone Mill Ø 5.0 and Bone Mill guide |
| JDBM6NC | Bone Mill Ø 6.0 and Bone Mill guide |
| JDBM3   | Bone Mill guide JDEvolution®        |



## IMPLANT CONCEPT AND STRENGTH TESTS

JDIcon Ultra S is a two-piece implant with 2.75mm diameter and internal conical connection.

It is the smallest implant with internal connection ever manufactured.

Despite its small diameter JDIcon Ultra.S provides a high implant strength due to its innovative fixture design and its tight conical connection.

The results of fatigue strength tests conducted on JDIcon Ultra S implant indicate that it is even stronger than implants with larger diameter. (see table below)

JDIcon Ultra.S is ideal for areas with limited spaces, such as missing lateral incisors. It is intended for use for single-tooth restoration and in implant fixed partial dentures (implant bridges) in incisors and canine areas. In the premolar area, it is intended for use in implant fixed partial dentures (implant bridges) in patients with no parafunctional habits. In case of narrow ridge dimensions, a simplified surgical protocol in combination with the conservative dimensions of this dental implant facilitate the resolution of dental implant cases which would have otherwise required the use of bone augmentation and higher treatment costs.

## MAXIMUM FATIGUE STRENGTH (N)



Fatigue strength is the maximum force an implant / abutment structure can survive for at least five million cycles. JDIcon Ultra.S has been tested according to ISO 14801 that is accepted by many regulatory agencies including FDA and Notified Bodies (CE).



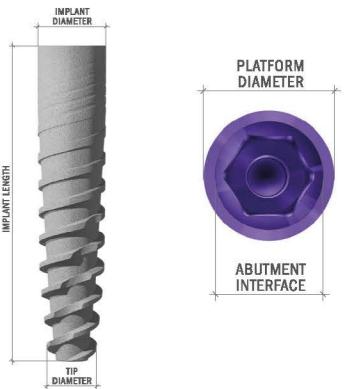
Smaller and Stronger.

## IMPLANT MEASURES AND LENGTHS

The JDICON®ULTRA.S dental implant is available in the lengths shown in this chart:

Note: All dimensions are expressed in millimeters.

| IMPLANT DIAMETER | TIP DIAMETER | ABUTMENT INTERFACE | PLATFORM DIAMETER | LENGTH                  |
|------------------|--------------|--------------------|-------------------|-------------------------|
| Ø 2,75           | Ø 2,0        | Ø 2,3              | Ø 2,75            | 8   10   11,5   13   15 |



## Implants:

|         |                               |
|---------|-------------------------------|
| Ø 2,75  | JDIcon® Ultra.S Ø 2.75 L 8    |
| IC27080 | JDIcon® Ultra.S Ø 2.75 L 10   |
| IC27100 | JDIcon® Ultra.S Ø 2.75 L 11,5 |
| IC27115 | JDIcon® Ultra.S Ø 2.75 L 13   |
| IC27130 | JDIcon® Ultra.S Ø 2.75 L 15   |
| IC27150 | JDIcon® Ultra.S Ø 2.75 L 15   |



## DRILLING SEQUENCE

| IMPLANT DIAMETER | SOFT BONE TYPE IV | MEDIUM BONE TYPE II-III | DENSE BONE TYPE I  |
|------------------|-------------------|-------------------------|--------------------|
| Ø 2,75           | 1,5<br>2,0        | 2,0<br>2,4              | 2,0<br>2,4<br>2,8* |

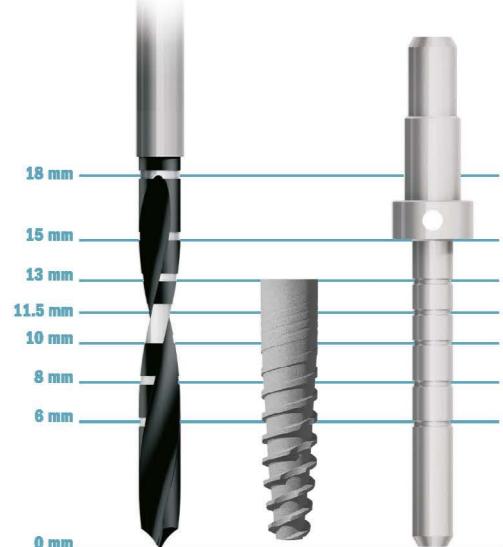
It is recommended to adhere to the indications of the following drilling sequence to ensure optimal primary stability of the implant.

## Important:

JDIcon Ultra S Implant is designed to withstand a maximum insertion torque of 60 Ncm.

The JDIcon Ultra S prosthetic screw is developed for a maximum insertion torque of 20 Ncm.

\* Until the first laser mark



**Cover Screw:**

ISCS

Cover screw JDIcon® Ultra.S

**Healing Abutment:**

ISHA323

Healing Abutment Ø 3.2 H 3.0 JDIcon® Ultra.S

ISHA325

Healing Abutment Ø 3.2 H 5.0 JDIcon® Ultra.S

ISHA327

Healing Abutment Ø 3.2 H 7.0 JDIcon® Ultra.S

ISHA403

Healing Abutment Ø 4.0 H 3.0 JDIcon® Ultra.S

ISHA405

Healing Abutment Ø 4.0 H 5.0 JDIcon® Ultra.S

ISHA407

Healing Abutment Ø 4.0 H 7.0 JDIcon® Ultra.S

**Impression Copings:****OPEN TRAY**

ISICOT32C

Impression coping open tray Ø 3.2 JDIcon® Ultra.S

ISICOT40C

Impression coping open tray Ø 4.0 JDIcon® Ultra.S

**CLOSED TRAY**

ISICCT32C

Impression coping closed tray Ø 3.2 JDIcon® Ultra.S

ISICCT40C

Impression coping closed tray Ø 4.0 JDIcon® Ultra.S

**Prosthetic Screw:**

ISS

Abutment screw JDIcon® Ultra.S

ISSA

Abutment screw angulated JDIcon® Ultra.S

**Temporary Abutment & Wax up Abutment:**

ISTAEC

Temporary abutment engaging JDIcon® Ultra.S

**GP Abutment:**

ISGP32C

GP abutment Ø 3.2 JDIcon® Ultra.S

ISGP40C

GP abutment Ø 4.0 JDIcon® Ultra.S

**Straight Abutment & Angulated Abutment;**

ISSA4020C

Straight abutment Ø 4.0 H 2.0 JDIcon® Ultra.S

ISSA4040C

Straight abutment Ø 4.0 H 4.0 JDIcon® Ultra.S

IS15GPA40C

Angulated abutment 15° Ø 4.0 JDIcon® Ultra.S

Torque recommended 20 Ncm

**TiBase, JDScanBody and Implant Replica CAD CAM:**

ISBCEC

JDScanBody for JDIcon® Ultra.S

ISTIBC

TiBase engaging JDIcon® Ultra.S

EVSCBOW

ScanBody for TiBase

ISANC

Implant Replica CAD CAM for JDIcon® Ultra.S

ISPMNC

JD Pre-milled blanks and abutment screw JDIcon® Ultra.S



Torque recommended 20 Ncm

**Ball Abutment:**

ISBA15

Ball abutment H 1.5 JDIcon® Ultra.S

ISBA30

Ball abutment H 3.0 JDIcon® Ultra.S

ISBA50

Ball abutment H 5.0 JDIcon® Ultra.S

**Note: All the prosthetic components on ball abutments are the same as JDEvolution® implant line.****Implant Replica:**

ISAN

Implant replica JDIcon® Ultra.S

**Implant and Prosthetic Drivers:**

ISID

Implant Driver JDIcon® Ultra.S

ISIDL

Implant Driver Long JDIcon® Ultra.S

EVSDPF20

Screwdriver hex 1.20 for torque wrench L20

EVSDPF25

Screwdriver hex 1.20 for torque wrench L25

EVSDP20

Screwdriver hex 1.20 machine prosthetic L20

EVSDP25

Screwdriver hex 1.20 machine prosthetic L25

EVSDP30

Screwdriver hex 1.20 machine prosthetic L30

EVSDPF25A

Screwdriver screw angulated for torque wrench L25

EVSDPF30A

Screwdriver screw angulated for torque wrench L30



## JD PTERYGO®

## A MINIMALLY INVASIVE APPROACH.

The 4 mm anodised treatment implant collar favors the integration of tissues at every level, even if clinicians decide to leave the implant in a transmucosal position

Pure Titanium Grade 4, Ø 4 mm implant. Its specific micro-architecture design increases the implant primary stability

A minimally invasive approach available also using computer guided surgery

Designed to achieve a perfect anchorage in the pterygoid bone

## Implants :

|           |                        |
|-----------|------------------------|
| PT40150 : | JD Pterygo® Ø 4.0 L 15 |
| PT40180 : | JD Pterygo® Ø 4.0 L 18 |
| PT40200 : | JD Pterygo® Ø 4.0 L 20 |

| IMPLANT DIAMETER | TIP DIAMETER | LENGTH       |
|------------------|--------------|--------------|
| Ø 4.0            | Ø 2.4        | 15   18   20 |

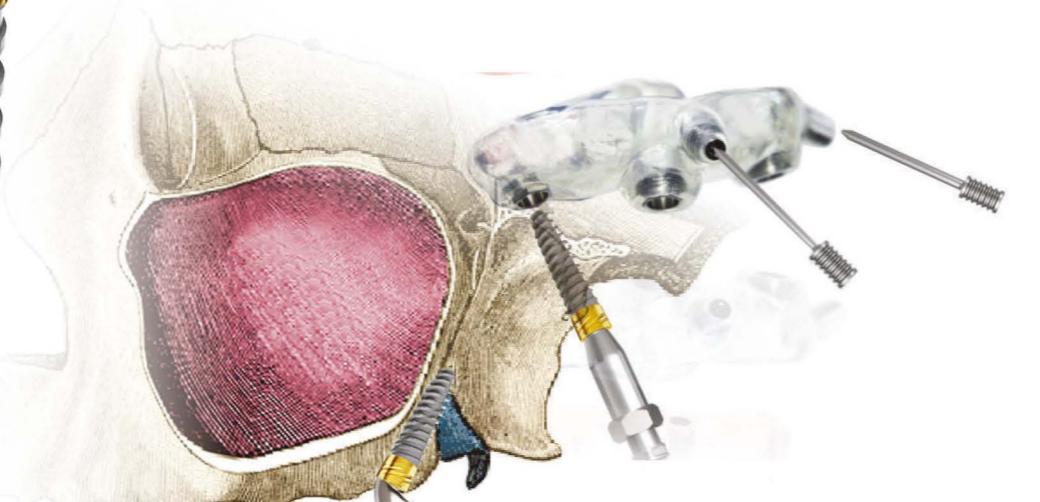
Note : All dimensions are expressed in millimetres.



Available Upon Request



JD Pterygo using also the guided surgery protocol.

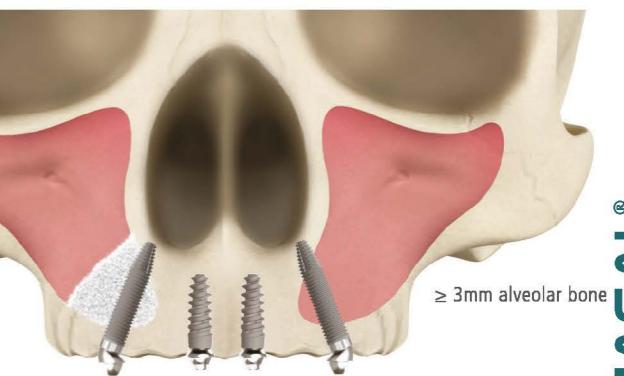


## JD NASAL®

## NASAL ANCHORAGE.

## Implants:

|          |                      |
|----------|----------------------|
| NA40200: | JD Nasal® Ø 4.0 L 20 |
| NA40220: | JD Nasal® Ø 4.0 L 22 |
| NA40240: | JD Nasal® Ø 4.0 L 24 |
| NA40260: | JD Nasal® Ø 4.0 L 26 |



≥ 3mm alveolar bone

Available Upon Request

JD NASAL®

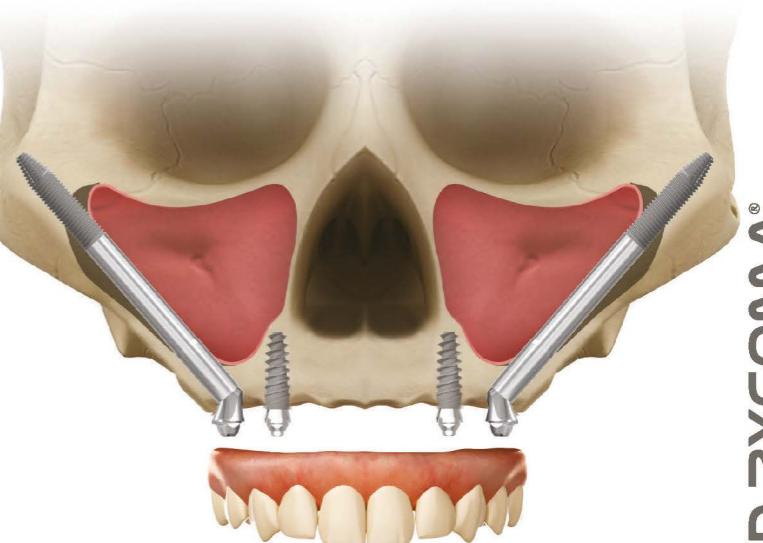


## JD ZYGOMA®

## A GRAFTLESS SOLUTION.

## Implants:

|          |                         |
|----------|-------------------------|
| ZY43300: | JD Zygoma® Ø 4.3 L 30   |
| ZY43350: | JD Zygoma® Ø 4.3 L 35   |
| ZY43375: | JD Zygoma® Ø 4.3 L 37.5 |
| ZY43400: | JD Zygoma® Ø 4.3 L 40   |
| ZY43425: | JD Zygoma® Ø 4.3 L 42.5 |
| ZY43450: | JD Zygoma® Ø 4.3 L 45   |
| ZY43475: | JD Zygoma® Ø 4.3 L 47.5 |
| ZY43500: | JD Zygoma® Ø 4.3 L 50   |
| ZY43525: | JD Zygoma® Ø 4.3 L 52.5 |
| ZY43550: | JD Zygoma® Ø 4.3 L 55   |
| ZY43575: | JD Zygoma® Ø 4.3 L 57.5 |
| ZY43600: | JD Zygoma® Ø 4.3 L 60   |



JD ZYGOMA®

281



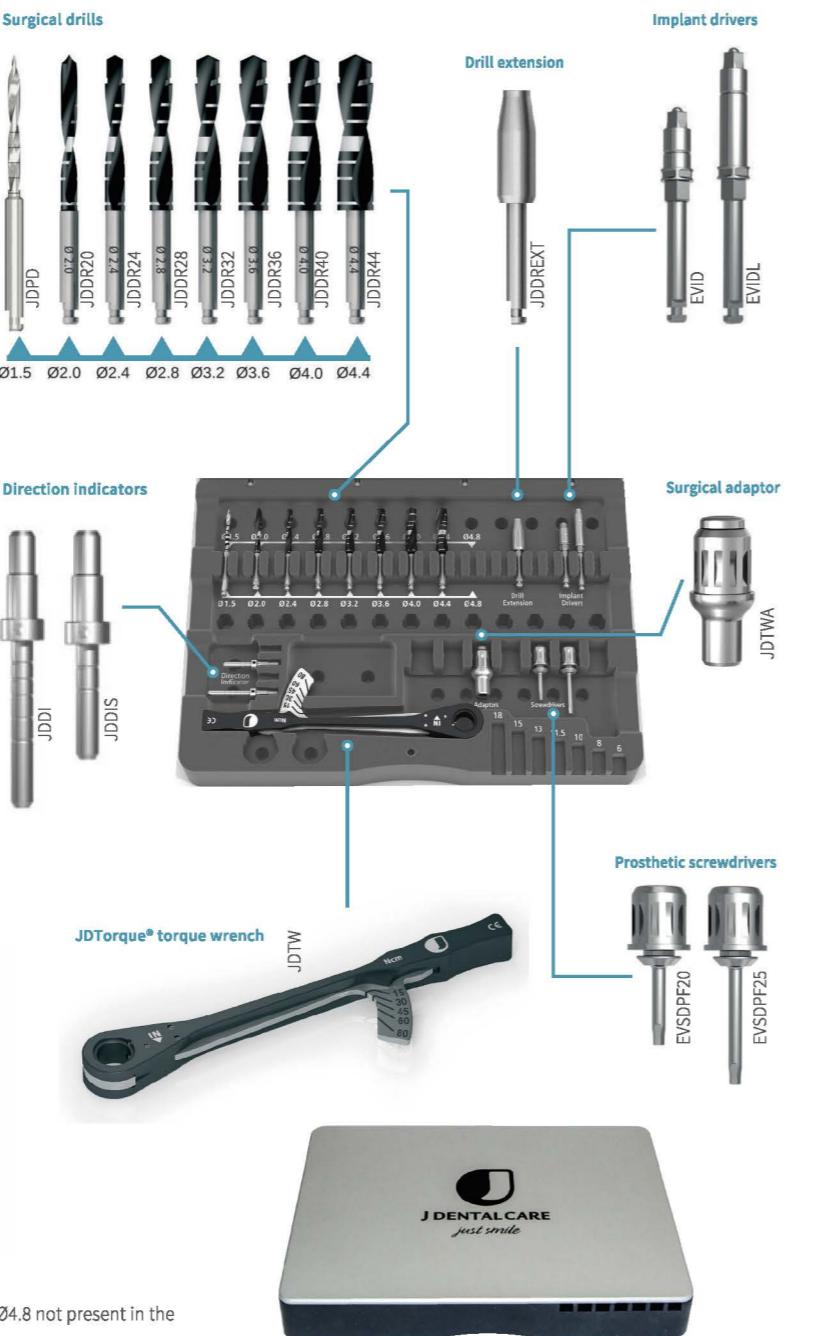
## Compact and easy to use.

The surgical and prosthetic kit JDPAD is characterized by a body in silicon and a cover in aluminum. This kit is completely dismountable, washable and autoclavable. Moreover the body in silicon has biocompatible printing resistant to all disinfectant cleaner and autoclave cycles.

### The surgical drills are also characterized by a DLC Treatment, which gives them three advantages:

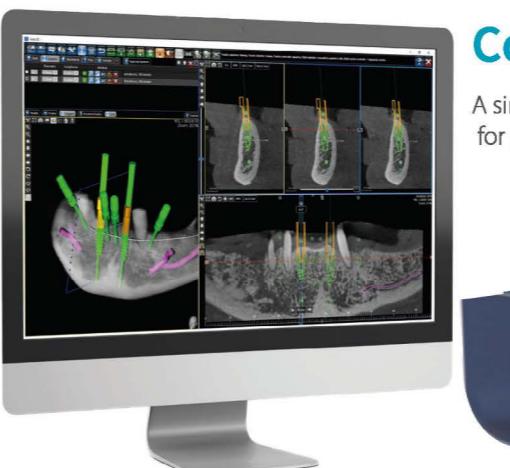
- When the surgical drills are in operation at high speed, the DLC treatment makes the marks present on drills clearly visible for an easy practical use.
- The DLC treatment is an excellent covering anti-wear treatment, which makes the surgical drills more resistant to more cycles and so to be used in placing more implants.
- The DLC treatment has also an anti-friction function, which guarantees a minimal heating of the bone during the implant osteotomy.

**Note:** To place the JD Implant Ø6.0, it is necessary to buy separately the appropriate surgical drill Ø4.8 not present in the standard Kit version.



## Compatibility

One kit for all JD implant lines.  
Simplified insertion with just one kit for all JD implant lines from Ø2.75 to Ø5.0 mm and from length 6 to 15 mm.



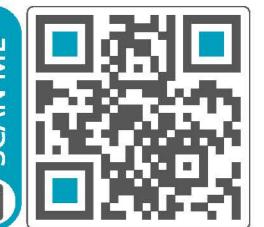
## Compatibility

User-friendly software design.

A single kit compatible with the main software programs for guided surgery present on the market.



SCAN ME



JD Guided Surgery  
Instruction for use

## Precision

### Guided implant depth control.

High precision in surgical procedures: implants are placed to the planned depth using a surgical guide and the guided surgery instruments are used in combination with a single sleeve of Ø0.05 mm for a secure implant depth control.



### New design for better surgery

All JD Guided Drills have a non cylindrical special design with two lateral cuts allows:

- a less friction on the sleeves, avoiding overheating
- a better external irrigation during the implant site preparation.



| IMPLANT DIAMETER | SOFT BONE TYPE IV           | MEDIUM BONE TYPE II-III                   | DENSE BONE TYPE I                         |
|------------------|-----------------------------|---|---|
| Ø 2.75           | 2.0<br>2.4                  | 2.0<br>2.4<br>2.8 L6                      | 2.0<br>2.4                                |
| Ø 3.2            | 2.0<br>2.4                  | 2.0<br>2.4<br>2.8 L6                      | 2.0<br>2.4<br>2.8<br>3.2 L6               |
| Ø 3.7/3.9        | 2.0<br>2.4                  | 2.0<br>2.4<br>2.8 L6                      | 2.0<br>2.4<br>2.8<br>3.2 L6               |
| Ø 4.3            | 2.0<br>2.4<br>2.8<br>3.2 L6 | 2.0<br>2.4<br>2.8<br>3.2<br>3.6 L6        | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>4.2 L6 |
| Ø 5.0            | 2.0<br>2.4<br>2.8<br>3.2 L6 | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>4.2 L6 | 2.0<br>2.4<br>2.8<br>3.2<br>3.6<br>4.2 L6 |

## Drilling protocols.

It is recommended to adhere to the indications of the following drilling sequence to ensure optimal primary stability of the implant.

In order to perform a correct osteotomy, the first drill that must be used is the drill Ø2.4 mm L 6.0 mm. This drill is designed also to flat the bone.





**JDental Care**  
JDental Implants  
quality, technology,  
reliability.

JDENTAL CARE



**Drilling protocol**  
In Healed bone and  
post extractive sockets  
JDimplant Ø4.3 L13

JDENTAL CARE



**JDental Care**  
Research Articles  
**10 years**  
of excellent clinical results



**JDental Care**  
Clinical Cases  
**10 years**  
of excellent clinical results



**JD4**  
Treatment Concept

JDENTAL CARE



**Full-arch on 4**  
Full-Arch on Four in maxilla  
using JDGuide and  
JDEvolution Implants

JDENTAL CARE



**JDGuide**  
New Design:  
Precision and Safety.

JDENTAL CARE



**JD Angulated Pins**  
JD Angulated Pins:  
17°-30°45°

JDENTAL CARE



**Zygomatic Implants**  
Clinical Case

JDENTAL CARE



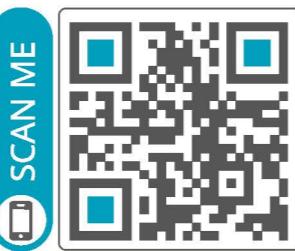
**JD Nasal Implant**  
Clinical Case

JDENTAL CARE



**Flapless full arch**  
rehabilitation using  
JDGuide for the  
placement of parallel  
implants

JDENTAL CARE



**JD Weld**  
The Intraoral Welding  
Technique: Why?

JDENTAL CARE

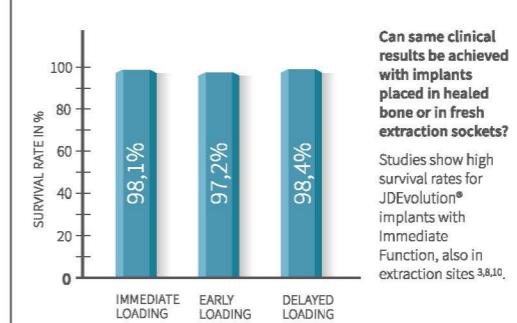
**Can you achieve excellent esthetic outcomes with immediate loading protocol?**

One year after insertion 82.6% of JDEvolution® implants had full closure of the papilla and minimal tissue recession <sup>8</sup>.



**Can immediate and early loading of JDEvolution® implants provide similar clinical outcomes as conventional loading?**

No major clinical differences were observed in implant survival, complications and marginal bone level changes when loading JDEvolution® single or splinted implants immediately, early or conventionally <sup>2,3,4,6,9,10,12</sup>.



Can same clinical results be achieved with implants placed in healed bone or in fresh extraction sockets?

Studies show high survival rates for JDEvolution® implants with Immediate Function, also in extraction sites <sup>3,6,10</sup>.

**Can two single unsplinted implants immediately loaded retain the complete mandibular denture in elderly edentulous patients?**

The immediate loading of two single JDEvolution® implants retaining a complete mandibular denture can result in favorable implant survival and peri-implant bone healing, provided that primary stability of the implants is achieved s.

**Can you immediately load four JDEvolution® implants to support a cross-arch fixed prosthesis?**

Studies show 100% success rate of immediately loaded cross-arch prostheses supported by four JDEvolution® implants up to 18 months after loading <sup>6</sup>.

| AXIALLY PLACED VS TILTED IMPLANTS MEAN DIFFERENCE    |   |  |
|--|---|--|
| 0-6 months<br>0,06 mm<br>not statistically different | 6-12 months<br>0,12 mm<br>not statistically different | 12-18 months<br>0,08 mm<br>not statistically different |
|  |   |  |

| MEAN BONE LEVEL (mm) |                         |                 |  |
|----------------------|-------------------------|-----------------|--|
| FOLLOW UP            | AXIALLY PLACED IMPLANTS | TILTED IMPLANTS |  |
| Baseline             | -0,09 ± 0,24            | 0,06 ± 0,09     |  |
| 6 months             | 0,27 ± 0,17             | 0,36 ± 0,14     |  |
| 12 months            | 0,57 ± 0,13             | 0,6 ± 0,16      |  |
| 18 months            | 0,68 ± 0,14             | 0,74 ± 0,14     |  |

**CITAGENIX**  
The Regen Company

Biomaterials Collection

KD  
Kafou دكوف Dent

286

## Biomaterials Collection

Regen is our business. It's what we do!



**CITAGENIX**  
The Regen Company

## PAGE INDEX



**CITAGENIX**

287

**RAPOTOS® ALLOGRAFT**

Rapotos® Allograft mineralized bone grafts offer an osteoconductive platform for bone regeneration and Rapotos Demineralized Particles offer an osteoinductive boost. Used either alone or as part of a composite bone graft, allograft bone particulates supply a natural framework facilitating the attachment of osteogenic precursor cells. Premium Blend - This Cortical Mineralized/Demineralized blend combines two of the most popular allograft particles used in dentistry, all in a single syringe or vial!

**FEATURES AND BENEFITS**

- Osteoconductive scaffold
- Remodels completely to host bone
- Mineralized graft material

**FDBA Cortico-Cancellous**

| Item Code | Granules Size | Size    | Package |
|-----------|---------------|---------|---------|
| CCB02J-02 | 0.250-1.00mm  | 0.25 cc | Jar     |
| CCB02J-05 | 0.250-1.00mm  | 0.50 cc | Jar     |
| CCB02J-10 | 0.250-1.00mm  | 1.00 cc | Jar     |
| CCB02J-20 | 0.250-1.00mm  | 2.00 cc | Jar     |
| CCB02J-50 | 0.250-1.00mm  | 5.00 cc | Jar     |
| CCB02S-02 | 0.200-0.850mm | 0.25 cc | Syringe |
| CCB02S-05 | 0.200-0.850mm | 0.50 cc | Syringe |
| CCB02S-10 | 0.200-0.850mm | 1.00 cc | Syringe |
| CCB05-02  | 0.500-1.00mm  | 0.25 cc | Vial    |
| CCB05-05  | 0.500-1.00mm  | 0.50 cc | Vial    |
| CCB05-10  | 0.500-1.00mm  | 1.00 cc | Vial    |
| CCB05-20  | 0.500-1.00mm  | 2.00 cc | Vial    |
| CCB05-50  | 0.500-1.00mm  | 5.00 cc | Vial    |

**FDBA Cortico-Cancellous Block**

| Item Code | Block Dimensions                              | Package |
|-----------|---|---------|
| CCBB-06   | 6 x 6 x 10mm                                  | 1 Block |
| CCBB-07   | 7 x 7 x 10mm                                  | 1 Block |
| CCBB-12   | 6 x 12 x 12mm                                 | 1 Block |
| CCBB-20   | 6 x 12 x 20mm                                 | 1 Block |
| DSPG-10   | 10 x 10 x 10mm<br><small>Sponge Block</small> | 1 Block |

**APPLICATIONS**

- Mineralized component in a composite graft
- As a graft extender
- Osseous defects

**FDBA Cancellous**

| Item Code | Granules Size | Size    | Package |
|-----------|---------------|---------|---------|
| CAN02J-05 | 0.250-1.00mm  | 0.50 cc | Jar     |
| CAN02J-10 | 0.250-1.00mm  | 1.00 cc | Jar     |
| CAN02J-20 | 0.250-1.00mm  | 2.00 cc | Jar     |
| CAN02J-50 | 0.250-1.00mm  | 5.00 cc | Jar     |
| CAN05J-05 | 0.500-1.00mm  | 0.50 cc | Jar     |
| CAN05J-10 | 0.500-1.00mm  | 1.00 cc | Jar     |
| CAN05J-20 | 0.500-1.00mm  | 0.25 cc | Jar     |
| CAN05J-50 | 0.500-1.00mm  | 0.50 cc | Jar     |
| CAN02S-02 | 0.200-0.850mm | 0.25 cc | Syringe |
| CAN02S-05 | 0.200-0.850mm | 0.50 cc | Syringe |
| CAN02S-10 | 0.200-0.850mm | 1.00 cc | Syringe |

**FDBA Cortical**

| Item Code | Granules Size | Size    | Package |
|-----------|---------------|---------|---------|
| COR01J-05 | 0.500-1.00mm  | 0.50 cc | Jar     |
| COR01J-10 | 0.500-1.00mm  | 1.00 cc | Jar     |
| COR01J-20 | 0.500-1.00mm  | 2.00 cc | Jar     |
| COR01J-50 | 0.500-1.00mm  | 5.00 cc | Jar     |
| COR02S-02 | 0.200-0.850mm | 0.25 cc | Syringe |
| COR02S-05 | 0.200-0.850mm | 0.50 cc | Syringe |
| COR02S-10 | 0.200-0.850mm | 1.00 cc | Syringe |

**ECLIPSE™**

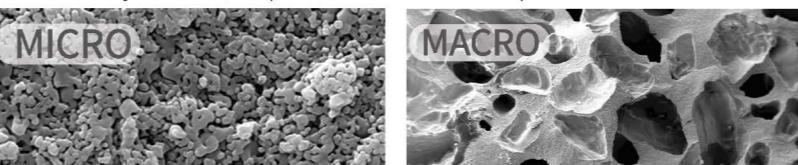
100% Synthetic - Completely transforms to natural bone. Using the mineral building blocks naturally found in human bone, Eclipse™ goes a step beyond the realm of everyday hydroxyapatite (HA) and tricalcium phosphate (TCP) with its unique combination of micro and macroporosity technology. Product composition: 70% overall porosity 2/3 macroporosity & 1/3 microporosity

**FEATURES AND BENEFITS**

- For patients who express concerns with allografts and xenografts
- Completely remodels to host bone
- 25 years of clinical experience
- Macro and Micro pores allow complete remodeling
- Completely remodels to host bone while preserving volume (12-18 months\*)



Microporosity (pores <10µm) allows the diffusion of biological fluids, by the capillary action, into the three-dimensional matrix. Inside the fine pores of the matrix, biological fluids dissolve β-TCP producing calcium phosphate ions that are released back into the biological fluids. This saturation of ions leads to precipitation of apatite crystal identical to that of the natural bone minerals. Shortly afterwards, this process creates a surface that promotes bone cell adhesion.



Macropores (300 to 600 µm) promote a deep invasion of osteogenic cells by osteoconduction. Through the same resorption and formation cycle as the natural bone remodeling process, new bone increases progressively at the expense of Eclipse.

**Synthetic ( Hydroxyapatite (HA) and tricalcium phosphate (TCP)**

| Item Code | Granules Size | Size    | Package |
|-----------|---------------|---------|---------|
| E1G002    | 0.500-1.00mm  | 0.25 cc | Vial    |
| E1G005    | 0.500-1.00mm  | 0.50 cc | Vial    |
| E1G010    | 0.500-1.00mm  | 1.00 cc | Vial    |
| E2G020    | 1.00-2.00mm   | 2.00 cc | Vial    |
| E1GS005   | 0.500-1.00mm  | 0.50 cc | Syringe |
| E1GS010   | 0.500-1.00mm  | 1.00 cc | Syringe |
| E1P005    | Putty         | 0.50 cc | Syringe |
| E1P010    | Putty         | 1.00 cc | Syringe |



**SCAN ME**  
See Application process



**PENTOS OI™ MAX**

## 100% Allograft - Hydratable Inductive Matrix

PentOS OI™ Max is an osteoinductive matrix - not diluted by any carriers. Create your customized osteoinductive graft by combining PentOS OI Max, a 100% allograft Inductive Collagen Matrix (ICM) with your choice of blood, BMA, PRP, I-PRF or simply saline to form a moldable graft which:

- Is cell friendly
- Independent laboratory in vitro studies show to be able
- to maintain between 96% and 116% cell viability after 72 hours

**FEATURES AND BENEFITS**

- Mixed graft can be extruded through a syringe
- Demonstrated Osteoinductivity
  - Up to 40x native BMP vs the BMP-2 control
  - Each lot histologically demonstrates all 5 elements of bone formation
- Demonstrated Osteoconductivity
- pH balanced – non cytotoxic
- Shown to form bone post-sterilization in-vivo
- Resists copious irrigation
- 5 year shelf life at ambient storage

**APPLICATIONS**

- An osteoinductive base for composite graft preparation
- Bone defects and sites requiring a high level of osteoinduction

**PENTOS OI MAX 100% Allograft - Hydratable Inductive Matrix**

| Item Code | Size    | Package |
|-----------|---------|---------|
| P-MAX005  | 0.5 cc  | 1 Jar   |
| P-MAX010  | 1.0 cc  | 1 Jar   |
| P-MAX025  | 2.5 cc  | 1 Jar   |
| P-MAX050  | 5.0 cc  | 1 Jar   |
| P-MAX100  | 10.0 cc | 1 Jar   |

**REGENERATIVE PROPERTIES****SCAN ME**

See  
Application  
process

**PENTOS OI™** 100% Allograft Flexible Veneer Graft - Proven to form bone

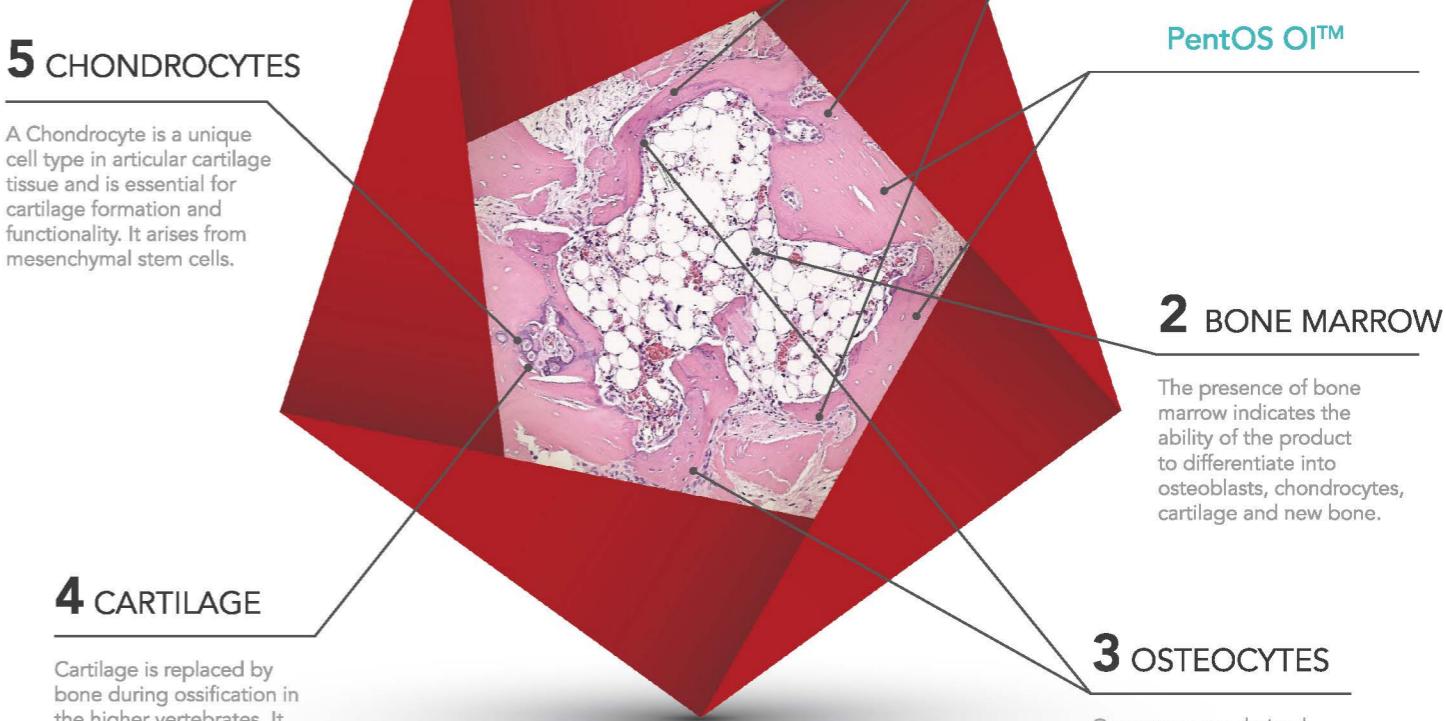
PentOS OI™ allografts must demonstrate all five elements of bone formation before they are released for use.

**5 CHONDROCYTES**

A Chondrocyte is a unique cell type in articular cartilage tissue and is essential for cartilage formation and functionality. It arises from mesenchymal stem cells.

**4 CARTILAGE**

Cartilage is replaced by bone during ossification in the higher vertebrates. It is indicative that the bone formation is forthcoming.



Post sterilization in-vivo testing on each lot must demonstrate the presence of new bone, bone marrow, osteocytes, cartilage and chondrocytes within 28 days in an athymic rat model otherwise we don't call it PentOS OI™. In-vitro tests of PentOS OI™ have demonstrated native levels of BMP-2 up to 19 times the native levels in the control.

**1 NEW BONE**

New bone is the final step in the maturation of the product.

**PentOS OI™****2 BONE MARROW**

The presence of bone marrow indicates the ability of the product to differentiate into osteoblasts, chondrocytes, cartilage and new bone.

**3 OSTEOCYTES**

Osteocytes are derived from osteoblasts, or bone forming cells, and are essentially osteoblasts surrounded by the products they secreted.

**PENTOS OI™ FLEX**

100% Allograft Flexible Veneer Graft - Proven to form bone

PentOS OI™ Flex is a 1 mm thick osteoinductive, demineralized cortical bone graft. When hydrated, this veneer graft becomes pliable and easily adapts to graft sites that would be difficult to treat with particulate or putty grafts. These characteristics make PentOS OI Flex ideally suited for onlay grafting for the repair of shallow bone defects or bone loss.

**FEATURES AND BENEFITS**

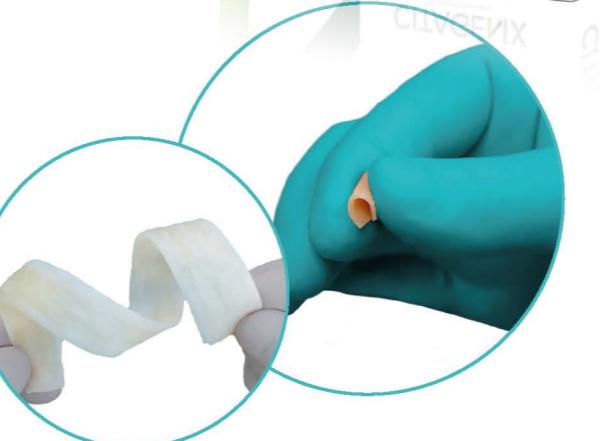
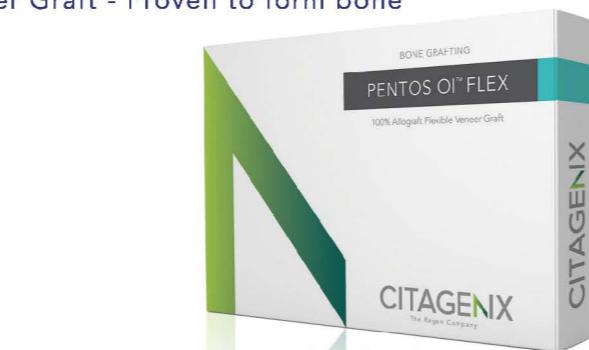
- Pliable and adapts easily to graft sites
- Ideally suited for onlay grafting
- Can be used to augment thin or missing bone over root form implants
- Can be fixated with screws
- Sterilized using low-dose gamma irradiation
- 5 year shelf life at ambient storage

**APPLICATIONS**

- Onlay grafting for the repair of shallow bone defects or bone loss
- Augment thin or missing bone over root form implants
- Orbital floor repair
- Cases where it is difficult to place particulate grafts

**PENTOS OI FLEX 100% Allograft Flexible Veneer Graft**

| Item Code  | Sheet Dimensions | Package |
|------------|------------------|---------|
| P-FLEX1010 | 10 x 10mm        | 1 PCs   |
| P-FLEX1515 | 15 x 15mm        | 1 PCs   |
| P-FLEX1710 | 17 x 10 mm       | 1 PCs   |

**REGENERATIVE PROPERTIES****SCAN ME**

See  
Application  
process

**PENTOS OI™** 100% Allograft Flexible Veneer Graft - Proven to form bone

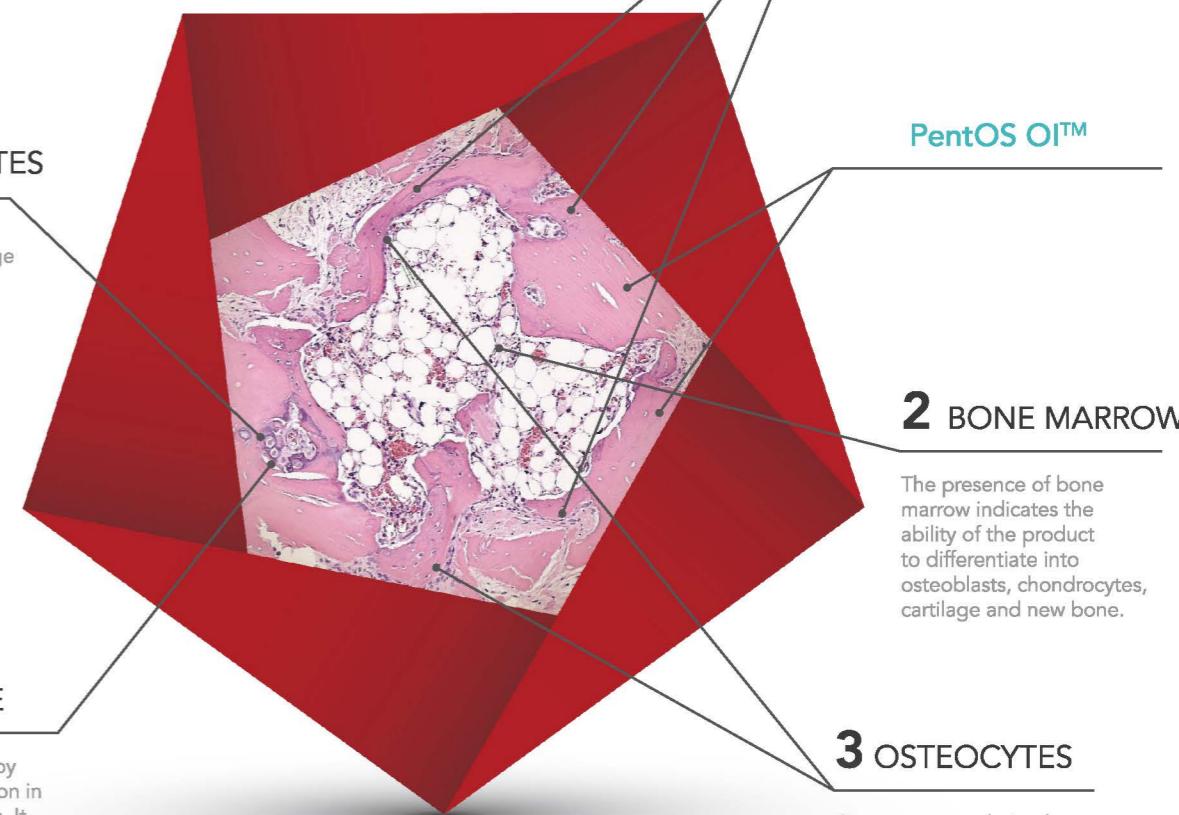
PentOS OI™ allografts must demonstrate all five elements of bone formation before they are released for use.

**1 NEW BONE**

New bone is the final step in the maturation of the product.

**5 CHONDROCYTES**

A Chondrocyte is a unique cell type in articular cartilage tissue and is essential for cartilage formation and functionality. It arises from mesenchymal stem cells.

**2 BONE MARROW**

The presence of bone marrow indicates the ability of the product to differentiate into osteoblasts, chondrocytes, cartilage and new bone.

**3 OSTEOCYTES**

Osteocytes are derived from osteoblasts, or bone forming cells, and are essentially osteoblasts surrounded by the products they secreted.

Post sterilization in-vivo testing on each lot must demonstrate the presence of new bone, bone marrow, osteocytes, cartilage and chondrocytes within 28 days in an athymic rat model otherwise we don't call it PentOS OI™.

In-vitro tests of PentOS OI™ have demonstrated native levels of BMP-2 up to 19 times the native levels in the control.

**NEOMEM®**

Resorbable Bovine Collagen Membrane

Neomem® membrane is a Type 1 bovine collagen matrix indicated for use in guided tissue procedures to enhance wound healing.

**FEATURES AND BENEFITS**

- Higher mechanical strength for membrane stabilization in situ using either sutures or resorbable tacks
- Longer in vivo stability and resorption time, 26-38 weeks, for sustained function.
- Optimized flexibility and rigidity for better space maintenance which allows for desired tissue in-growth
- Either side of the Neomem can be placed towards the soft tissue or bone
- Easily trimmed and placed, wet or dry
- Sterilized by irradiation and packaged in double pouches

**Why make neomem your membrane of choice?**

- Highly purified type I collagen fibres derived from bovine Achilles tendon
- Nonpyrogenic
- Excellent safety profile
- Easy in situ placement

**Exceptional clinical performance**

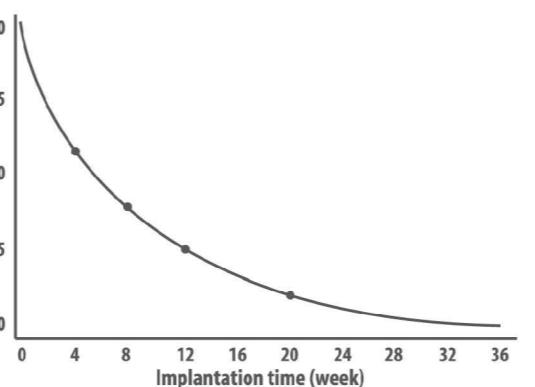
- Suture pull out strength between 290 g & 350 g
- Cell occlusive - Retards epithelium down growth
- Macromolecular pore size allows nutrient transfer

**Neomem Bovine Collagen Membrane**

| Item Code | Membrane Dimensions | Package    |
|-----------|---------------------|------------|
| N1520     | 15 x 20mm           | 1 Membrane |
| N2030     | 20 x 30mm           | 1 Membrane |
| N3040     | 30 x 40 mm          | 1 Membrane |



RESORPTION TIME  
**26-38 WEEKS**

**NEOMEM® FLEXPLUS**

Resorbable Flexible Collagen Membrane

Neomem® FlexPlus is a single layer collagen membrane derived from porcine peritoneum. Suture pullout testing has shown this membrane to be biomechanically strong yet conformability evaluations demonstrate the ability to adapt to the contour of the surgical site. Neomem FlexPlus hydrates quickly and handling characteristics make surgical placement easy. It can be repositioned easily and placed wet or dry and with either side up. Additionally, in vitro testing of Neomem FlexPlus shows low tissue inflammation and foreign body giant cell response.

**COMPARED TO BIO-GIDE®:**

**Stronger** Neomem® FlexPlus has 3 times the suture pull out strength compared to Bio-Gide® and resorption time of 3-4 months. Neomem® FlexPlus can be repositioned once placed.

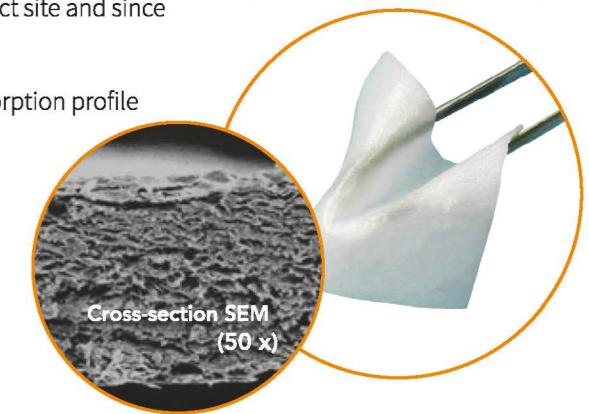
**Supple** Lack of memory means that Neomem® FlexPlus drapes and conforms to the defect site and since both sides are the same, it is easy to place.

**Longer Resorption Rate** Compared to Bio-Gide®, Neomem® FlexPlus' animal in vivo resorption profile suggests that Neomem® FlexPlus is more stable.

**Less Inflammation** In vivo pre-clinical testing demonstrates that Neomem® FlexPlus produced a lower level of early inflammation than Bio-Gide®, and Neomem® FlexPlus shows a lower level of giant cell response.



RESORPTION TIME  
**3-4 MONTHS**

**FEATURES AND BENEFITS**

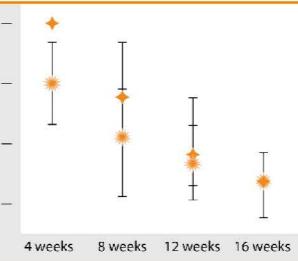
- High suture pull out strength
- Excellent draping
- Lower inflammation
- Easy handling

**APPLICATIONS**

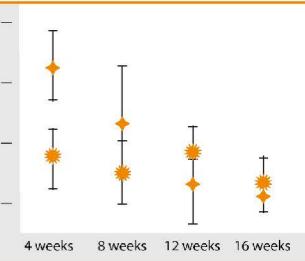
- GTR
- GBR

**Neomem Bovine Collagen Membrane**

| Item Code | Membrane Dimensions | Package    |
|-----------|---------------------|------------|
| NF1520    | 15 x 20mm           | 1 Membrane |
| NF2030    | 20 x 30mm           | 1 Membrane |
| NF3040    | 30 x 40 mm          | 1 Membrane |

**INFLAMMATION SCORE**

Evaluation of in vivo inflammation response to Neomem® FlexPlus and Bio-Gide® by histological score system.<sup>1</sup>

**GIANT CELLS SCORE**

Evaluation of in vivo giant cell response to Neomem® FlexPlus and Bio-Gide® by histological score system.<sup>1</sup>

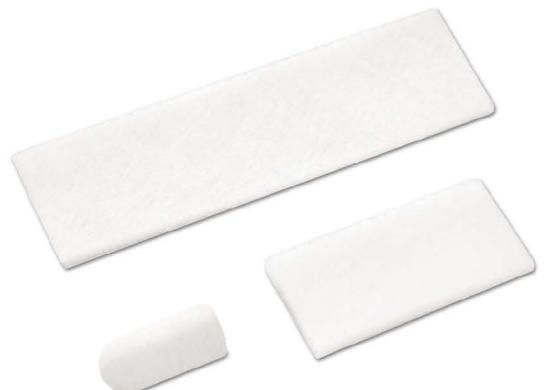
## WOUND DRESSINGS

## Collagen Dental Wound Dressings

Our Resorbable Wound Dressings are absorbent and porous collagen matrices engineered from purified collagen that is derived from bovine dermis tissue. The thickness and pore structure of these devices allow them to absorb fluid and blood at the defect site.

## FEATURES AND BENEFITS

- Applied directly to the wound to protect the wound and delicate new tissue
- Aids in wound healing
- Available in plug, cote and tape form
- Supplied sterile, non-pyrogenic and for single use only
- Essentially resorbs within 30 days of placement\*



RESORPTION TIME  
**4 WEEKS**

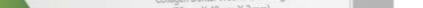
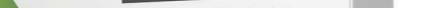
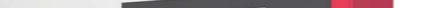
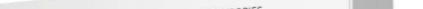
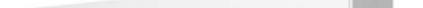
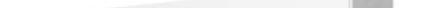
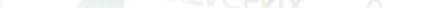
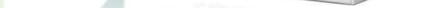
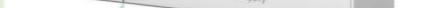
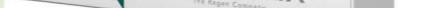
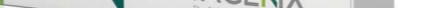
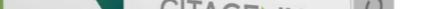
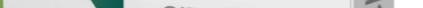
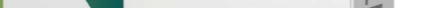
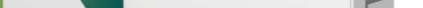
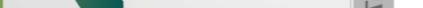
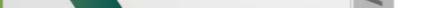
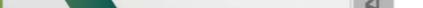
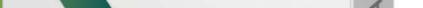
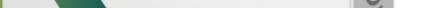
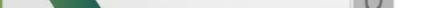
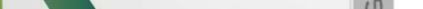
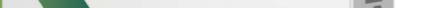
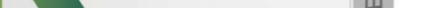
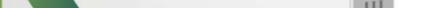
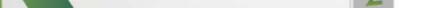
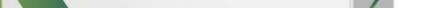
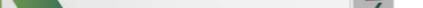
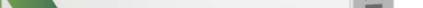
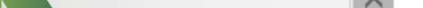
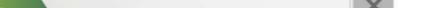
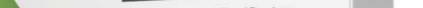
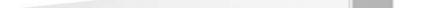
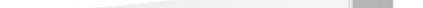
## Collagen Dental Wound Dressings

| Brand   | Item Code | Membrane Dimensions  | Package |
|---------|-----------|----------------------|---------|
| NeoPlug | NEOPLUG   | 10 mm x 20 mm        | 5 PCs   |
| NeoCote | NEOCOTE   | 20 mm x 40 mm x 3 mm | 5 PCs   |
| NeoTape | NEOTAPE   | 25 mm x 75 mm x 1 mm | 5 PCs   |



## APPLICATIONS

- Denture sores
- Oral ulcers (non-infected or viral)
- Periodontal surgical wounds
- Suture sites
- Burns
- Extraction sites
- Surgical wounds
- Traumatic wounds





## INNOVATIVE SURGICAL KITS



GBR Kit

## PAGE INDEX



### Implantology Kits

- Implant removing kit
- Screw Removing Kit
- Implant & Screw Removing kit
- Implant Positioning Kit

Page  
**340**



### Sinus Lifting Kits

- Hydrolic Sinus Lifting
- Crestal & Lateral Sinus Kit
- Lateral Sinus Lifting Kit
- Osteotome Set

Page  
**344**



### Bone Grafting Kits

- Bone Collector Kit
- Ridge Bone Expander Kit
- Splitting & Trimming Kit
- P.R.F Kit & Bone Mill Kit

Page  
**349**



### GBR & Orthodontics Kits

- GBR Bone Screw Kits
- Mini Orthodontics Kits

Page  
**354**



## Implant Remover Kit

SD-FR

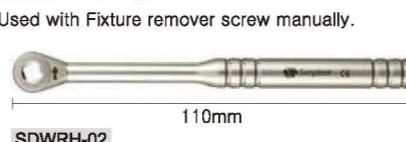
For failed implants or implant marginal bone loss by excessive torque, remove the implant fixture by Fixture remover in safety.

### Fixture remover screw

- Fixed in and remove implant fixture by turning counterclockwise.
- \* In case that Fixture remover screw cannot be separated from the fixture because of excessive torque, forceps or mini vise can be used to grab and loosen the fixture by turning clockwise.



### Wrench - Long



### Ratchet extension

- Connected with wrench when the surgical site is not accessible.



### Handpiece condenser

- Used to connect Fixture remover screw with implant engine.



## Screw Remover Kit

SD-SR

Possible to remove fractured screws in fixtures safely without slip by Drill guide selected from the standard of the fixture connection and the screw broken in that.



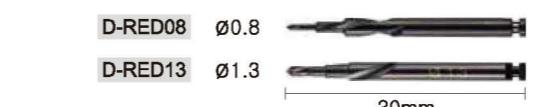
### Remover drill

- Used by turing counterclockwise in Drill guide engaged with Guide holder.



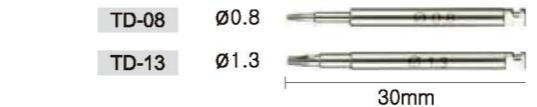
### Reverse drill

- Used to form a hole into the fractured surface of the screw by turning it counterclockwise in Drill guide with enough irrigation, in case that a fractured abutment screw is not removed by Remover drill.



### Tap drill

- Used after a hole formed by Reverse drill. Fixed into the hole and remove the screw by turing it counterclockwise.
- \* Recommended RPM: Below 80



### Guide Holder

- In surgery, it is used to fix Drill guide before and while drilling.



### Turning handle

- Used with drills for manual use.



### Flat tip driver

- Used to form a slot with a bur in case of fractured one-body implant or damage to the hex of upper structure.



### Drill guide

- Used with Guide holder to fix Drilling



**Fixture remover system**

For failed implants or implant marginal bone loss by excessive torque, remove the implant fixture by Fixture remover in safety.

**Fixture remover screw**

- Used for failed implants or implant marginal bone loss by excessive torque.

- In case that Fixture remover screw cannot be separated from the fixture because of excessive torque, forceps or mini vise can be used to grab and loosen the fixture by turning clockwise.

**FRD-01** 1.6 / 1.8



**FRD-02** 2.0 / 2.5



**FRD-03** Narrow

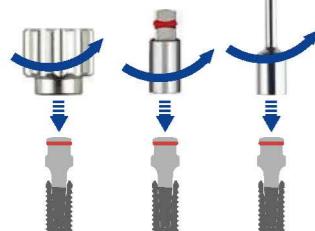
**Turning handle  
(For Fixture remover screw)**

- Handle tool with Fixture remover screw for manual use.

**TH-03**



11mm

**Wrench - Long**

- Used with Fixture remover screw manually.

**Ratchet extension**

- Connected with wrench when the surgical site is not accessible.

**RE-02**

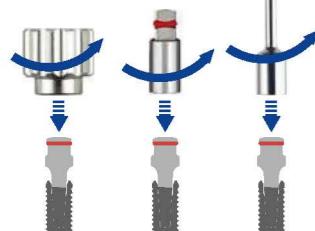
**Handpiece condenser**

- Used to connect Fixture remover screw with implant engine.

**SDADP-01**

**Drill guide**

- Used with Guide holder to fix Drilling.

**fixture & screw remover kit SD-FSR**

Assorted kits of components needed to remove failed implant fixture and fractured screw in simple and safe way

**Screw remover system**

Possible to remove fractured screws in fixtures safely without slip by Drill guide selected from the standard of the fixture connection and the screw broken in that.

**Remover drill**

- Used by turning counterclockwise in Drill guide engaged with Guide holder.

**Reverse drill**

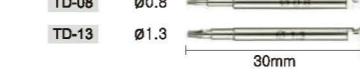
- Used to form a hole into the fractured surface of the screw by turning it counterclockwise in Drill guide with enough irrigation, in case that a fractured abutment screw is not removed by Remover drill.

**D-RED08** Ø0.8

**Tap drill**

- Used after a hole formed by Reverse drill. Fixed it into the hole and remove the screw by turning it counterclockwise.
- Recommended RPM: Below 80

**TD-08** Ø0.8

**Drill guide**

- Used with Guide holder to fix Drilling.

**Implant Positioning Kit****SD-IPO**

Possible to place implant inducing without guide stent. Predictable of the site and size of crown engaged finally in a process of implant surgery. Separated drill and guide to engage each needed.

**Positioning drill**

- Engaged with guide to drill on the site for dental implantation.

**Positioning guide**

- Guide tools to induce implant to be placed on the proper site.



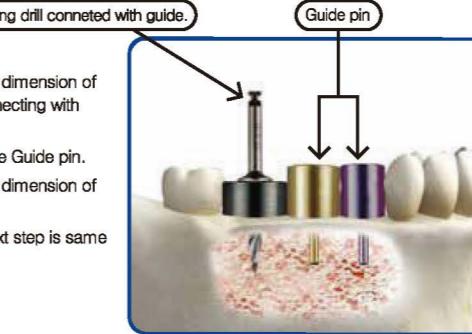
\* When connected

**Guide pin**

- In surgery of multiple implants, it is used to make the surgical site or path for Implant fixtures accurately and to check the size or shape of crown.

**How to use**

- Select the Positioning guide that matches dimension of the missing tooth and drill on the site connecting with Positioning drill to make an orifice.
  - Replace Positioning drill with the same size Guide pin.
  - Select the Positioning guide that matches dimension of the second missing tooth.
- Process of surgical operation from the next step is same as ① to ②.

**IPD- kit****SD-IPD****Implant Prosthetic Drivers**

Various types and sizes of drivers.

Easy to use.

|       | Type                     |
|-------|--------------------------|
| Ø1.2  | Osstem / DIO / 3i / Xive |
| Ø1.25 | Dentium / Astra / Zimmer |
| Ø1.3  | Platon                   |
| B/M   | Branemark                |
| S/M   | Straumann                |

**IPD II - kit****SD-IPDII****Implant Prosthetic Drivers**

Same with IPD Kit with Torque Wrench

**Wrench - Long**

- Used with remover screw manually.





## Aqua Tola Kit SD-AQUA

Low risk of perforation using hydraulic pressure in lifting sinus membrane. Much safer than other hard tools by lifting the membrane using saline through ALS (Aqua Lift System) and makes the membrane lifted as dome shape all the time.

### SD-Reamer : Perforation drill for upper jawbone

- Used for Perforating Sinus interior wall.
- Safe membrane lifting as round shape at drilling on bone.
- Recommended RPM: 800~1,200

### ALS: Aqua Lift System

- After SD-Reamer, fix ALS in sinus interior wall using wrench or implant engine.
- ALS makes a role of delivering saline discharged from it to sinus membrane.
- 5 aqua holes(4 at side and 1 at the top) on ALS help to make safer sinus lifting as dome shape.



### Handpiece condenser

- Used to connect ALS using implant engine.
- Recommended RPM: 30~40
- Recommended N/cm: 20

### Ratchet extension

- Used to extend the length with wrench and ALS.

### Wrench

- To fix ALS into the perforated hole manually.

### Silicon tube

- Length: 50cm

SD-RM23 Ø2.3  
SD-RM28 Ø2.8  
SD-RM33 Ø3.3  
SD-RM37 Ø3.7

ALS30 Ø3.0  
ALS35 Ø3.5

SDADP-02

R.C EXT

SDWRH-00

SD-ST



### SD-Reamer

- Used for Perforating Sinus interior wall.
- Safe membrane lifting as round shape at drilling on bone.
- Recommended RPM: 800~1,200



### Aqua Lift System

- It makes a role of delivering saline discharged from it to sinus membrane.



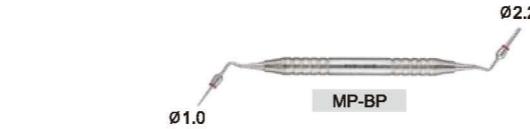
### Guide drill

- It makes guide hole marking an accurate point before using reamer.



### Bone packer

- It inserts and fills graft material.



## C & L Sinus Kit SD-CL

### Crestal & Lateral Approach

Possible of convenient operation with surgical tools needed for both Crestal approach and Lateral approach as Sinus lifting system.

### C- Stopper

It prevents excessive perforation of hole.



### L- Stopper

Engaged with Lateral approach tools, secure the safety for damage on sinus membrane while drilling. (Depth controlling)



### Handpiece condenser

- Used to connect Aqua Lift System using implant engine.
- Recommended RPM: 30~40
- Recommended N/cm: 20



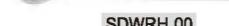
### Ratchet extension

- Used to extend the length with wrench and Aqua Lift System



### Wrench

- To fix Aqua Lift System into the perforated hole manually.



### LASC : Lateral Approach Side Cutter

- Used to trim or expand formed sinus lateral window.
- Coated diamond material on it helps to remove bone clearly minimizing heat.



| Product Code | Diameter(Ø) | Length(mm) |
|--------------|-------------|------------|
| LASC-7.0     | 7.0         | 29         |

### LACD : Lateral Approach Core Drill

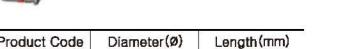
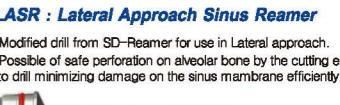
- Drill for safe perforation of lateral wall.
- Coated with diamond material to minimize the damage while touching directly the membrane.



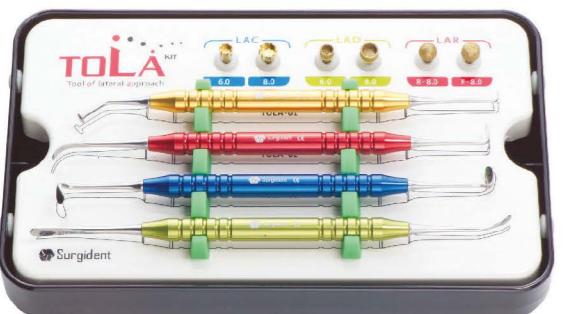
| Product Code | Diameter(Ø) | Length(mm) |
|--------------|-------------|------------|
| LACD-8.0     | 8.0         | 25         |

### Silicon tube

- Length: 50cm



| Product Code | Diameter(Ø) | Length(mm) |
|--------------|-------------|------------|
| LASR-8.0     | 8.0         | 25         |



## TOLA KIT SD-TOLA

### Tool of Sinus Lateral Approach

Composition of tools forming sinus lateral window in safe and speedy way.  
Used in surgery cases : Residual bone within 1~3mm, Perforated membrane at crestal approach, Placement of multiple implants.

#### Sinus curette

- Used to lift sinus membrane manually.
- Recommended to use by its sequential order.



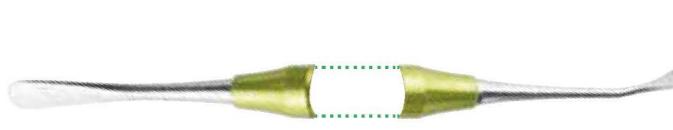
TOLA-01



TOLA-02



TOLA-03



TOLA-04

#### LAC : Lateral Approach Cutter

- Guide drill for non-slip and accurate positioning in using LAD.



LAC-6.0



LAC-8.0



Diameter(Ø) Length(mm)

|     |    |
|-----|----|
| 6.0 | 20 |
| 8.0 | 20 |

\*Recommended : 800~1,200RPM

#### LAD : Lateral Approach Drill

- Drill for safe perforation of lateral wall.
- Possible of depth controlling.
- Prevention of damage on the sinus membrane by bone chips covered on it while drilling.



LAD-6.0



LAD-8.0



Diameter(Ø) Length(mm)

|     |    |
|-----|----|
| 6.0 | 20 |
| 8.0 | 20 |

\*Recommended : 800~1,200RPM

#### LAR : Lateral Approach Reamer

- Used to open lateral window which is hard to approach.
- Special diamond material designed on it to minimize the damage while touching directly the membrane.



LAR-R8.0



Diameter(Ø) Length(mm)

|     |    |
|-----|----|
| 8.0 | 20 |
| 8.0 | 20 |

\*Recommended : 800~1,200RPM



#### Sinus curette

- Used to lift sinus membrane.
- Recommended to use by its sequential order.



TOLA2-01



TOLA2-02



TOLA2-03



TOLA2-04

#### Stopper

- Ensure safety by engaging with Lateral approach tools in drilling (Depth controlling) to prevent perforation on sinus membrane.



LAST-0.5



LAST-1.0



LAST-1.5



LAST-2.0



LAST-2.5

## TOLA II KIT SD-TOLA II

### Tool of Sinus Lateral Approach II

Sinus lift kit for Lateral approach with ensured safety by connecting stoppers to Lateral approach tools in surgical operation.

#### LASC : Lateral Approach Side Cutter

- Used to trim or expand formed sinus lateral window.
- Coated diamond material on it helps to remove bone clearly minimizing heat.



LASC-5.0



LASC-7.0

| Product Code | Diameter(Ø) | Length(mm) |
|--------------|-------------|------------|
| LASC-5.0     | 5.0         | 29         |
| LASC-7.0     | 7.0         | 29         |

#### LACD : Lateral Approach Core Drill

- Drill for safe perforation of lateral wall.
- Coated with diamond material for excellent cutting force.



LACD-6.0



LACD-8.0

| Product Code | Diameter(Ø) | Length(mm) |
|--------------|-------------|------------|
| LACD-6.0     | 6.0         | 25         |
| LACD-8.0     | 8.0         | 25         |

#### LASD : Lateral Approach Sinus Drill

- Use to open lateral window at the site is not accessible to the surgical site with LACD.
- Coated with diamond material for excellent cutting force.



LASD-R8.0



LASD-F8.0

| Product Code | Diameter(Ø) | Length(mm) |
|--------------|-------------|------------|
| LASD-R8.0    | 8.0         | 25         |
| LASD-F8.0    | 8.0         | 25         |

#### LASR : Lateral Approach Sinus Reamer

- Modified drill from SD-Reamer for use in Lateral approach.
- Possible of safe perforation on alveolar bone by the cutting edge shape to drill minimizing damage on the sinus membrane efficiently.



LASR-6.0

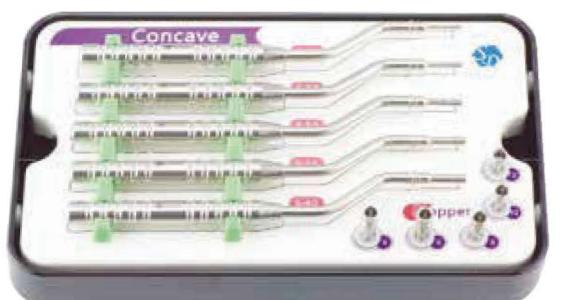


LASR-8.0

| Product Code | Diameter(Ø) | Length(mm) |
|--------------|-------------|------------|
| LASR-6.0     | 6.0         | 25         |
| LASR-8.0     | 8.0         | 25         |

## OSTEOTOME SET

## S Kit SD-CONCAVE

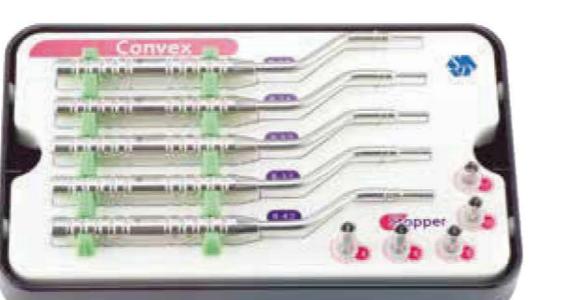


Stopper



\* Stoppers are included in both Osteotome S-Set and R-Set.

## R- Set SD-CONVEX



## Bone collector Ø2.0



## Bone collector Ø4.0



## How to use

- Connect the stopper with desired size of NLBC drill.
- Place the connected drill on the surgery area or implant placement area and then make drilling.  
(Recommended RPM : 300, Recommended N/cm : 50)
- After drilling, stopper is inserted completely and the inserted depth is 4mm.(identical in all sizes)



## NLBC KIT SD-NLBC

## Never Loss Bone Collector

Tool to collect patient's own bone for autograft using drill at implant surgery. Possible to make accurate point with micro drilling.

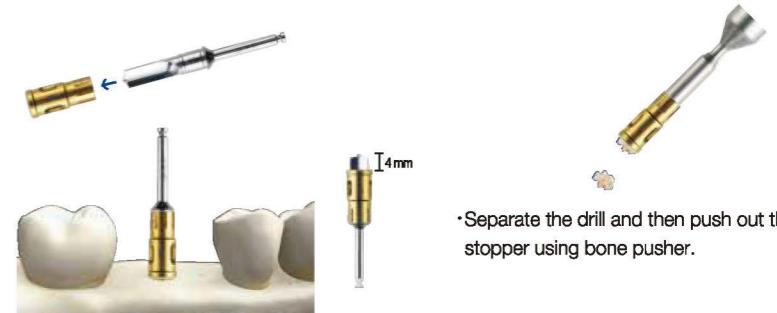
## Bone pusher



## Bone collector Ø3.0



## Bone collector Ø5.0





## BMS KIT SD-BMS

**Bone Multi System**

Combination set for Bone expander kit and Bone spreading kit. Additional chisel and bone collector. For patient who has narrow bone ridge at one time when placing implant in various cases.

### Contouring Bur

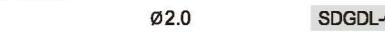
- Flattens the slope of the bone.



### Saw disk



### Guide drill

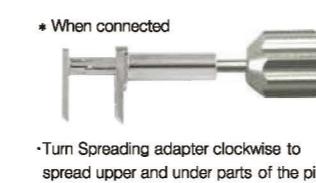


• Recommended RPM : 40~50

### Spreading pin



### Spreading adapter



### Wrench adapter



### Never Loss Bone Collector



### Never Loss Bone Collector



### Never Loss Bone Collector

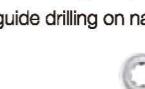


\* Before drilling      \* After drilling  
Bone is collected inside the stopper.

### Splitting chisel



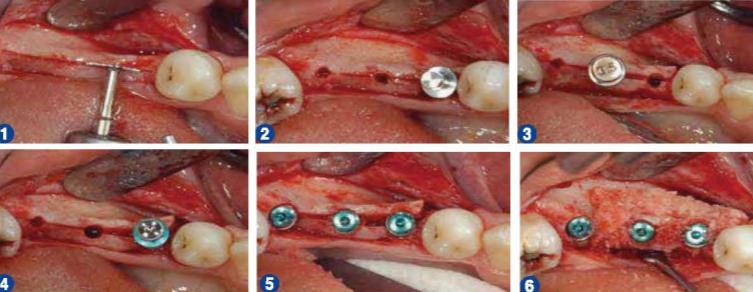
### Guide drill



### Wrench



### Clinical Case



## BONE EXPANDER KIT SD-BE

Used for the patient with narrow bone ridge or bad bony tissues.  
Unique design of expander drill.

### Expander drill

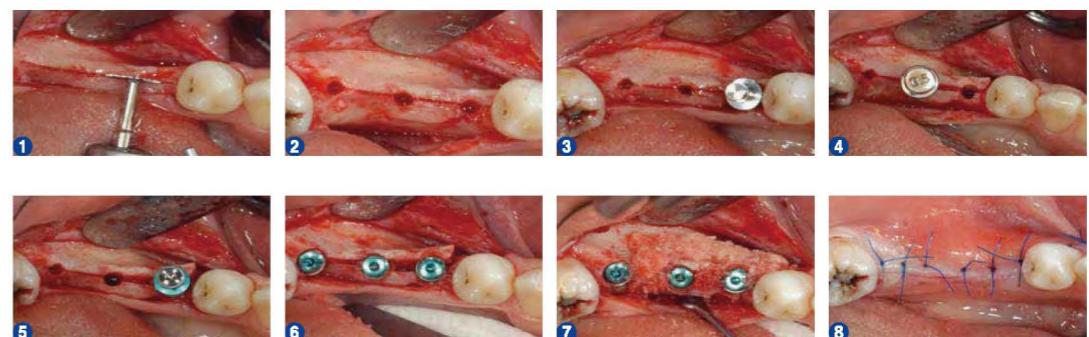


Recommended RPM : 40~50

### Handpiece condenser



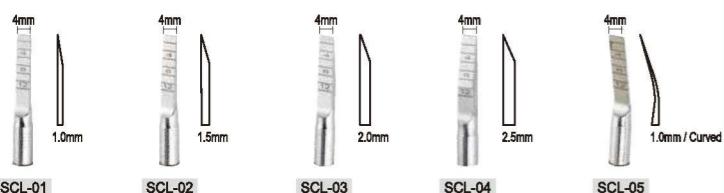
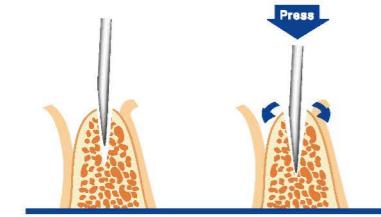
### Wrench



## RIDGE SPLIT SET

SD-RS

Used to open up narrow bone ridge.  
Five types and sizes for various cases.



## OCHENBEIN CHISEL

Used for shaping and removing bone.



## TRIMMER KIT

SD-TR

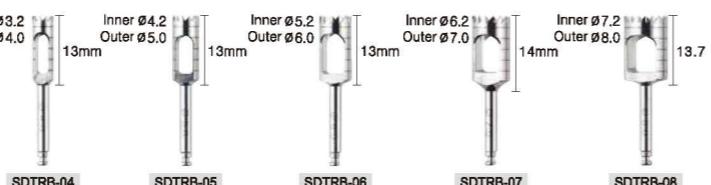
Convenient storage. Various components.  
Prevention of loss.



## Tissue punch



## Trophine bur



## Guide punch



## Saw disk

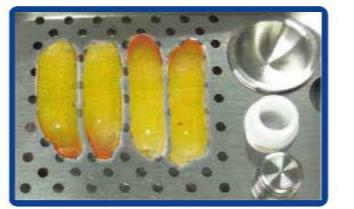
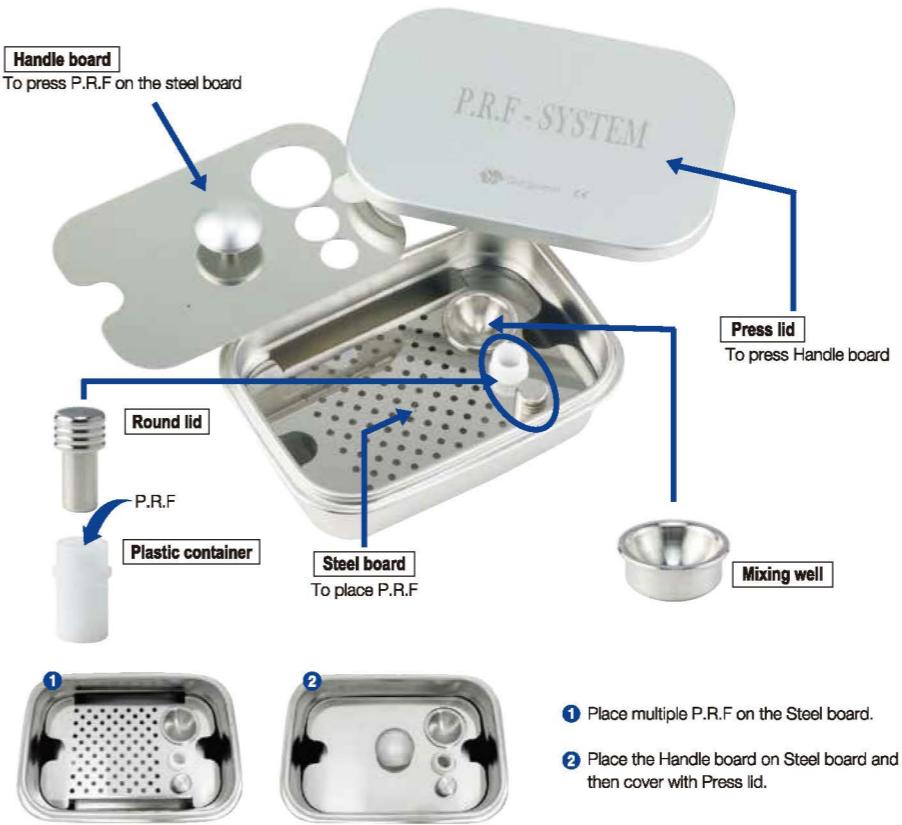


## P.R.F SYSTEM

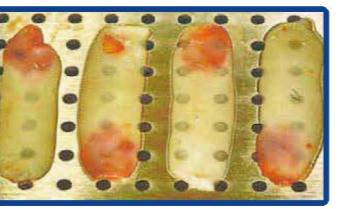
SD-PRF

## Platelet Rich Fibrin

Multiple P.R.F completed in centrifuge can be made simultaneously,  
which reduces operation time to use desired shape of P.R.F.



Clots in the PRF-System



PRF membranes



PRF membrane

## BONE MILL

SD-BM

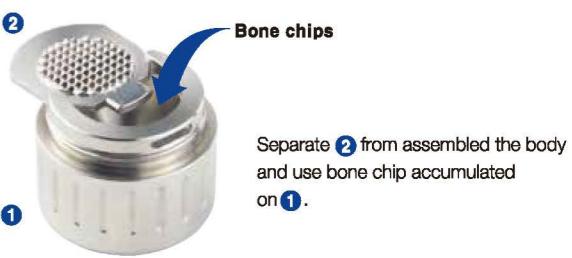
Minimizing bone loss in milling.  
Securing 0.1mm bone grinding space.  
(Stainless powder zero)

- After assembling in order, put the bone and turn handle pressing and inserting it into the body part.  
(Do not put excessive amount of bone chip for easy mill.)

## How to assemble and mill

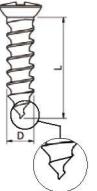


## User manual for harvest milled bone particles



**Screw**

(Separated type of screw : Pack/ 5ea)



| Code        | D     | L    | Code        | D     | L    | Code        | D     | L    |
|-------------|-------|------|-------------|-------|------|-------------|-------|------|
| SDS-140-030 | 1.4mm | 3mm  | SDS-160-030 | 1.6mm | 3mm  | SDS-200-030 | 1.6mm | 3mm  |
| SDS-140-040 | 1.4mm | 4mm  | SDS-160-040 | 1.6mm | 4mm  | SDS-200-040 | 1.6mm | 4mm  |
| SDS-140-060 | 1.4mm | 6mm  | SDS-160-060 | 1.6mm | 6mm  | SDS-200-060 | 1.6mm | 6mm  |
| SDS-140-080 | 1.4mm | 8mm  | SDS-160-080 | 1.6mm | 8mm  | SDS-200-080 | 1.6mm | 8mm  |
| SDS-140-100 | 1.4mm | 10mm | SDS-160-100 | 1.6mm | 10mm | SDS-200-100 | 1.6mm | 10mm |
| SDS-140-120 | 1.4mm | 12mm | SDS-160-120 | 1.6mm | 12mm | SDS-200-120 | 1.6mm | 12mm |

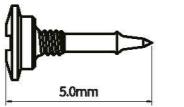
High fixation strength of mesh and/ or artificial membrane  
Various standard of fixation screws in color coded per length  
Biocompatible titanium alloy

**Bone Tac**

(Separated type of Bone tac: Pack/ 5ea)



SDB-140-035



SDB-140-050

Membrane and/ or Mesh plate fixation by easy use of Tac applicator  
Screw head design with crucial slit  
Color coded pins per length

| Code        | D   | L     |
|-------------|-----|-------|
| SDB-140-035 | 2mm | 3.5mm |
| SDB-140-050 | 2mm | 5.0mm |

**Titanium Mesh**

(Separated type of Titanium mesh: Pack/ 1ea)

Protection of grafting site/ supporting membrane and tissue with fixation screws  
Pore size: Ø 0.6 & Ø 1.4/ Thickness: 0.1mm  
Round edge design to prevent cut on the surgical site

## Hole Pore Ø 0.6

Titanium Mesh  
22X15X0.1t (Pore Ø 0.6)

SDP-T22-015

Titanium Mesh  
36X22X0.1t (Pore Ø 0.6)

SDP-T36-022

Titanium Mesh  
44X44X0.1t (Pore Ø 0.6)

SDP-T44-044

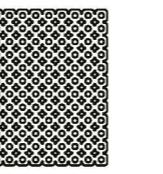
## Hole Pore Ø 1.4

Titanium Mesh  
22X15X0.1t (Pore Ø 1.4)

SDP-S22-015

Titanium Mesh  
36X22X0.1t (Pore Ø 1.4)

SDP-S36-022

Titanium Mesh  
44X44X0.1t (Pore Ø 1.4)

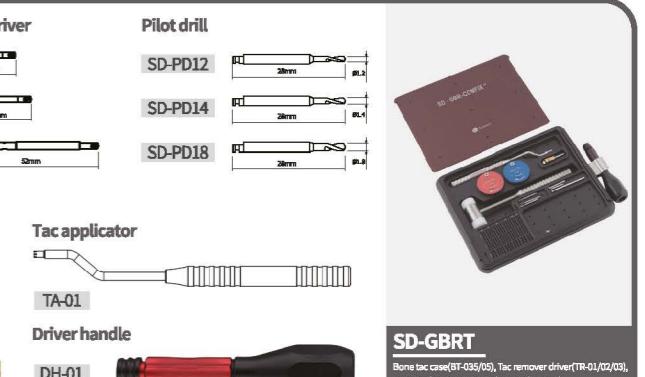
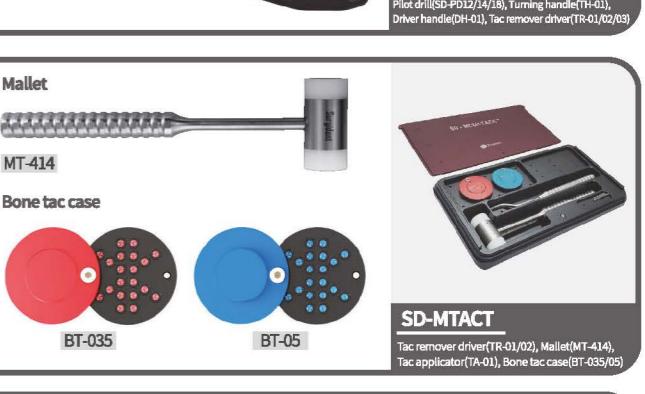
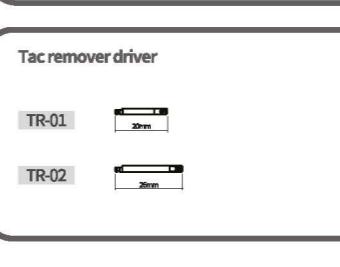
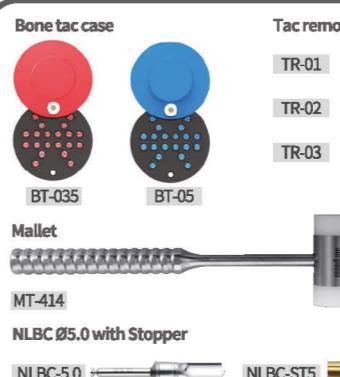
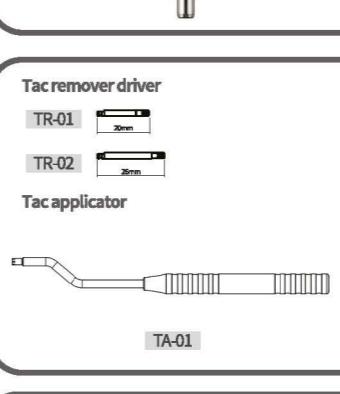
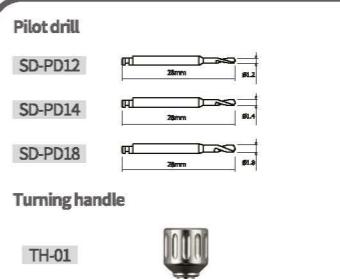
SDP-S44-044

| Code        | Description       | W    | D    | H     |
|-------------|-------------------|------|------|-------|
| SDP-T22-015 | 0.6/0.1mm 22 x 15 | 22mm | 15mm | 0.1mm |
| SDP-T36-022 | 0.6/0.1mm 36 x 22 | 36mm | 22mm | 0.1mm |
| SDP-T44-044 | 0.6/0.1mm 44 x 44 | 44mm | 44mm | 0.1mm |

| Code        | Description       | W    | D    | H     |
|-------------|-------------------|------|------|-------|
| SDP-S22-015 | 1.4/0.1mm 22 x 15 | 22mm | 15mm | 0.1mm |
| SDP-S36-022 | 1.4/0.1mm 36 x 22 | 36mm | 22mm | 0.1mm |
| SDP-S44-044 | 1.4/0.1mm 44 x 44 | 44mm | 44mm | 0.1mm |

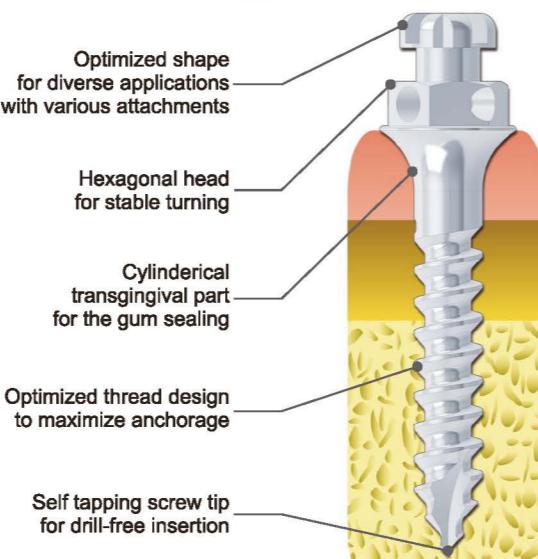


SD-SCR



## SD-Mini-Ortho

## Instruments for Inserting Orthodontic Screw



•Material : Ti-6Al-4V  
•Thread : Buttress thread

## Inserting &amp; Drilling

## SCREW DRIVER

- OSD-1
- OSD-2
- OSD-3
- OSD-4

## GUIDE DRILL

- SD-PD10

## DRIVER HANDLE

- DH-01

## ORTHODONTIC SCREW SYSTEM

## SD-Mini-Ortho™



*Simple-to-use procedure  
and various applications!*

## Type of Standard KITS

| Code<br>(Type)               | Diameter<br>(mm) | Length and Quantity (Screw) |      |       |
|------------------------------|------------------|-----------------------------|------|-------|
|                              |                  | 6 mm                        | 8 mm | 10 mm |
| OLH<br>(LH Kit)<br>27 pieces | 1.4              | 3                           | 3    | 3     |
|                              | 1.6              | 3                           | 3    | 3     |
|                              | 1.8              | 3                           | 3    | 3     |
| ONH<br>(NH Kit)<br>27 pieces | 1.4              | 3                           | 3    | 3     |
|                              | 1.6              | 3                           | 3    | 3     |
|                              | 1.8              | 3                           | 3    | 3     |
| OCH<br>(CH Kit)<br>27 pieces | 1.4              | 3                           | 3    | 3     |
|                              | 1.6              | 3                           | 3    | 3     |
|                              | 1.8              | 3                           | 3    | 3     |
| OSH<br>(SH Kit)<br>27 pieces | 1.4              | 3                           | 3    | 3     |
|                              | 1.6              | 3                           | 3    | 3     |
|                              | 1.8              | 3                           | 3    | 3     |

## Item Code of Orthodontic Screw

## Self-Tapping &amp; Self-Drilling

|    | Model | D(mm) | Screw Length and Item Code |          |           |
|----|-------|-------|----------------------------|----------|-----------|
|    |       |       | 6 mm (L)                   | 8 mm (L) | 10 mm (L) |
| LH |       | 1.4   | OLH-1406                   | OLH-1408 | OLH-1410  |
|    |       | 1.6   | OLH-1606                   | OLH-1608 | OLH-1610  |
|    |       | 1.8   | OLH-1806                   | OLH-1808 | OLH-1810  |
| NH |       | 1.4   | ONH-1406                   | ONH-1408 | ONH-1410  |
|    |       | 1.6   | ONH-1606                   | ONH-1608 | ONH-1610  |
|    |       | 1.8   | ONH-1806                   | ONH-1808 | ONH-1810  |
| CH |       | 1.4   | OCH-1406                   | OCH-1408 | OCH-1410  |
|    |       | 1.6   | OCH-1606                   | OCH-1608 | OCH-1610  |
|    |       | 1.8   | OCH-1806                   | OCH-1808 | OCH-1810  |
| SH |       | 1.4   | OSH-1406                   | OSH-1408 | OSH-1410  |
|    |       | 1.6   | OSH-1606                   | OSH-1608 | OSH-1610  |
|    |       | 1.8   | OSH-1806                   | OSH-1808 | OSH-1810  |



Implantology Solutions

# PAGE INDEX

IMPLANT MOTORS

Implant Motors Advance  
Implant Motors Standard

Page  
**368**

SURGICAL HANDPIECE

Surgical Implant Handpiece  
Surgical Handpiece  
Saw Surgical Handpiece

Page  
**370**

GENERAL HANDPIECE

Contra & Straight Handpiece

Page  
**372**

MICRO-MOTORS DEVICES

K38 Micro motor  
Handy700 Micro motor

Page  
**373**

# Ki-20 Advance

## Features

- Optic LED Control
- Compact Micro motor 40,000 rpm (1:1)
- 9 memory programs can be stored on single motor
- Treatment data storage function (using USB)**
- Displaying the torque graph in real time
- Large LCD display
- Torque Calibration**
- Dual irrigation pumps (optional)
- Dual motor (optional)



### Torque calibration

Calibrates the micromotor & the handpiece to the rotational resistance of each individual handpiece. During the operation high torque accuracy offered.

### Data management

Treatment data can be easily accessed and downloaded using a USB stick. Files can be transferred and added to patient records. \*USB memory stick not included

## Complete sets



MODEL Ki-20 Advance (Single)



MODEL Ki-20 Advance (Dual)

### Specifications control box only

- Power supply : AC100-120 or AC220-240V 50/60 Hz
- Speed : 10-2,000 (20:1), 7-1,200 (32:1)
- Torque : 80Ncm (20:1), 90Ncm (32:1)
- Weight : 3.5 kg
- Dimensions : W292 x D230 x H104(mm)
- Contents : Control unit, E-type motor, Handpiece, Foot control, Handpiece stand

### Specifications control box only

- Power supply : AC100-120 or AC220-240V 50/60 Hz
- Speed : 10-2,000 (20:1), 7-1,200 (32:1)
- Torque : 80Ncm (20:1), 90Ncm (32:1)
- Weight : 3.9 kg
- Dimensions : W324 x D230 x H104(mm)
- Contents : Control unit, E-type motor, Handpiece, Foot control, Handpiece stand

### Foot control

- Coolant button(4 steps)
- Program change button
- F/R change button
- Foot pedal(speed control)

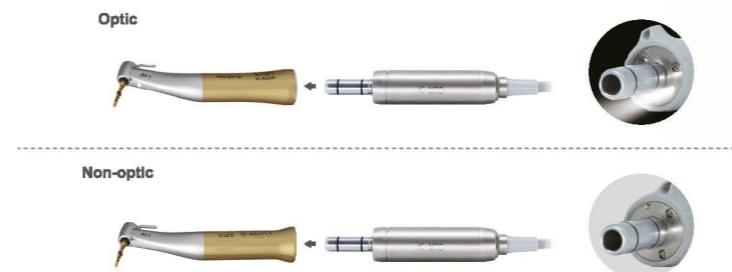
# Ki-20

## Features

- Optic LED Control
- Compact Micro motor 40,000 rpm (1:1)
- 9 memory programs can be stored on single motor
- Light & compact optic motor for speedy and accurate surgery.



### E-type Motor



## Complete sets



MODEL Ki-20(Optic)



MODEL Ki-20(Non-optic)

### Specifications control box only

- Power supply : AC100-120 or AC220-240V 50/60 Hz
- Speed : 20-2,000 (20:1), 13-1,200 (32:1)
- Torque : 70Ncm (20:1), 90Ncm (32:1)
- Weight : 2.6 kg
- Dimensions : W240 x D225 x H108(mm)
- Contents : Control unit, E-type motor, Contra angle, Foot control, Handpiece stand

### Specifications control box only

- Power supply : AC100-120 or AC220-240V 50/60 Hz
- Speed : 20-2,000 (20:1), 13-1,200 (32:1)
- Torque : 70Ncm (20:1), 90Ncm (32:1)
- Weight : 2.6 kg
- Dimensions : W240 x D225 x H108(mm)
- Contents : Control unit, E-type motor, Contra angle, Foot control, Handpiece stand

## Advanced irrigation pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation



## Spare parts



Irrigation tube



E-Type motor

## Implant Handpiece

Washable in the  
thermodisinfectorAutoclavable  
up to 135°C

## Ki-AG20L 20 : 1 Optic Solid Type



Dust shield  
Dimensions : L98 x Ø20 (mm)  
Weight : 87g

Speed : Max. 2,000 rpm  
Torque : 80Ncm

## Ki-DAG20L 20 : 1 Optic Detachable



Dimensions : L98 x Ø20 (mm)  
Weight : 86.5g

Speed : Max. 2,000 rpm  
Torque : 80Ncm

## Ki-AG20 20 : 1 NON-Optic Solid Type



Dimensions : L95 x Ø20 (mm)  
Weight : 85g

Speed : Max. 2,000 rpm  
Torque : 80Ncm

## Ki-DAG20 20 : 1 NON-Optic Detachable Type



Dimensions : L98 x Ø20 (mm)  
Weight : 86.5g

Speed : Max. 2,000 rpm  
Torque : 80Ncm

## Surgery Handpiece

Washable in the  
thermodisinfectorAutoclavable  
up to 135°C

## SGC-S101 1 : 1 Straight Type



Dimensions : L110 x Ø20 (mm)  
Weight : 74g  
Speed : Max 40,000 rpm

## SGC-S102 1 : 2 Straight Type



Dimensions : L127 x Ø20 (mm)  
Weight : 94g  
Speed : Max 80,000 rpm

## Saw Handpiece

## SGS-R 3 : 1 Reciprocating

Weight : 94.5g



Dimensions : L110 x Ø20 (mm)  
Blades for SGS-R

Strokes : Max 12,600 strokes/min



## SGS-O 3 : 1 Oscillating

Weight : 89.5g



Dimensions : L107 x Ø20 (mm)  
Blades for SGS-O

Strokes : Max 12,800 strokes/min



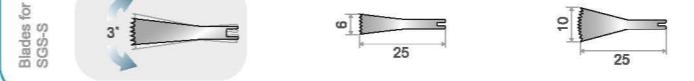
## SGS-S 3 : 1 Sagittal

Weight : 92g



Dimensions : L109 x Ø20 (mm)  
Blades for SGS-S

Strokes : Max 12,600 strokes/min



## SGC-S101 1 : 1 Straight Type Surgery Handpiece

Surgery Handpiece



Dimensions : L110 x Ø20 (mm)  
Weight : 74g  
Speed : Max 40,000 rpm

## Surgery Handpiece

Washable in the  
thermodisinfectorAutoclavable  
up to 135°C

## SGC-A101 1 : 1 Contra type



Dimensions : L120 x Ø20 (mm)  
Weight : 94g

Speed : Max 40,000 rpm  
Degree : 20 °

## SGC-A102 1 : 2 Contra type



Dimensions : L124 x Ø20 (mm)  
Weight : 105g

Speed : Max 80,000 rpm  
Degree : 20 °

## Contra & Straight Handpiece

**ES-100N** 1 : 1 External water spray



- Dimensions : L88 x Ø17.5 (mm)
- Weight : 75g
- Speed : Max 40,000 rpm
- Able to use for hair transplant surgery

**ES-6** 1 : 1



- Dimensions : L85 x Ø20 (mm)
- Weight : 71g
- Speed : Max 40,000 rpm

**SP-CE(Ø2.35)** 1 : 1 Push Type



- Dimensions : L81 x Ø20 (mm)
- Weight : 58g
- Speed : Max. 40,000 rpm

**ES-04** 4 : 1



- Dimensions : L100 x Ø20 (mm)
- Weight : 86g
- Speed : Max 10,000 rpm

**ES-6L** 1 : 1 Internal water spray



- Dimensions : L84 x Ø20 (mm)
- Weight : 87g
- Speed : Max 40,000 rpm

DEVELOPING

**ES-6L** 1 : 1 Internal water spray Optic



- Dimensions : L84 x Ø20 (mm)
- Weight : 87g
- Speed : Max 40,000 rpm

DEVELOPING

Washable in the  
thermodisinfector

Autoclavable  
up to 135°C

## K38 standard / clip

### Features

- MAX 8hours (MH20E)
- LI-ION battery (rechargeable)
- Digital speed display window
- LED display for battery charging level
- Automatic System
- power save / FWD-REV
- overload protection, warning LED
- On/Off Foot Switch (SFP-27)



### Specifications

- Power supply : DC 12V
- Speed : Max. 30,000 rpm
- Weight : 285g
- Dimensions : W67 x D128 x H30(mm)
- Contents : Control unit, E-type motor, Angel Foot control, Handpiece stand



## Handy700 50K

### Features

- Digital speed display window
- Maximum speed set mode possible
- Excellent durability
- Self-diagnosis function
- Auto-cruise function
- Variable speed control pedal (FS60N)
- Easy-carry with handle

### Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Speed : MAX 50,000 RPM
- Weight : 2.7 kg
- Dimensions : W137 x D232 x H180(mm)
- Contents : Control unit, E-type motor, Angle Foot control, Handpiece stand





Lasotronix  
LASERS FOR GENERATIONS

KD  
Kafou دكوف  
Dent

374

lasotronix  
LASERS FOR GENERATIONS



SMART LASER

# PAGE INDEX

SMART M PRO  
Diode Laser

Why SMART m PRO ?

Page  
**376**

SMART M PRO  
Wavelength

SMART m PRO Specification

405 NM - Wavelength

635 NM - Wavelength

980NM - Wavelength

Page  
**378**

SMART M PRO  
Specifications

Technical Parameters

Basic Features

Page  
**380**

SMART M PRO  
Models

SMART m PRO models

3 In 1      5 In 1      6 In 1

7 In 1      9 In 1

SMART m PRO spare parts

Page  
**281**

Lasotronix  
LASERS FOR GENERATIONS

375

# SMART<sup>m</sup> PRO

...BE SMART... START TREATING AT LAST!



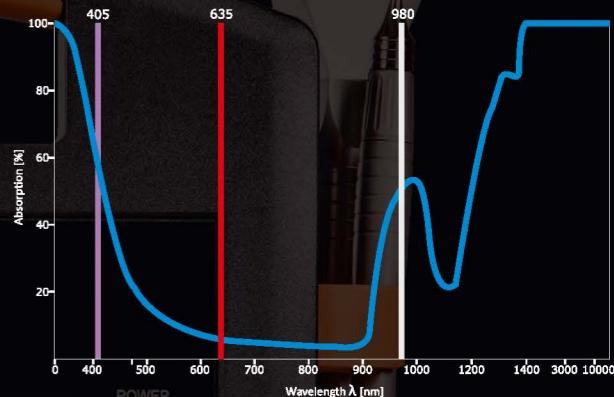
**ALL - IN - ONE**

**405NM/635NM/980NM**

## WHY TO CHOOSE LASER SMART<sup>m</sup> PRO ?

- HIGHER QUALITY CARE AND FASTER PROCESS
- MORE MONEY ON LESS VISITS
- TIME SAVING FOR BOTH DOCTOR AND PATIENT
- AT LEAST 50% FASTER ON ALMOST EVERY PROCEDURE
- ENDODONTICS IN ONE VISIT
- PRECISE CUTTING WITHOUT BLEEDING – 200 MICRONS PRECISION
- ALLOWS GENERAL DENTIST TO DO MOST SURGICAL PROCEDURES
- ALLOWS HYGIENIST TO DO MORE MONEY MAKING PROCEDURES

THERE IS NO  
ONE UNIVERSAL WAVELENGTH



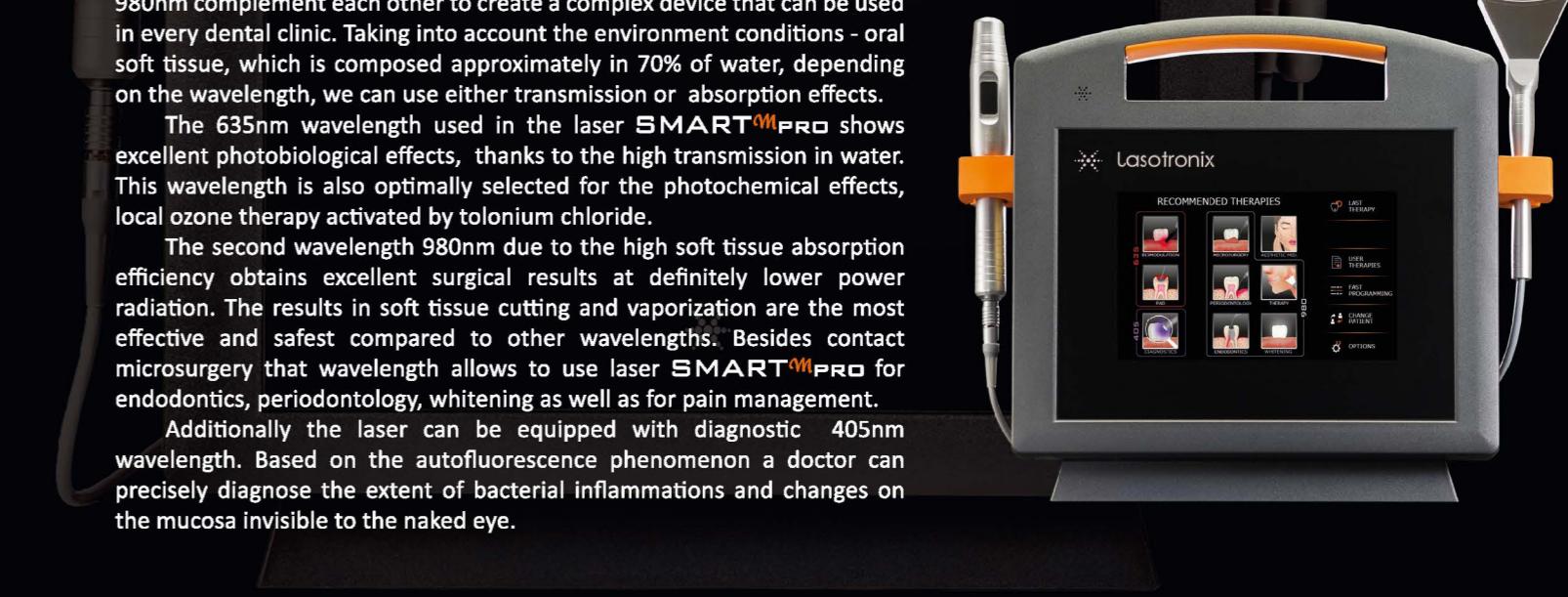
## ALL - IN - ONE 405NM/635NM/980NM

Laser SMART<sup>m</sup> PRO is using three wavelengths 405nm, 635nm and 980nm complement each other to create a complex device that can be used in every dental clinic. Taking into account the environment conditions - oral soft tissue, which is composed approximately in 70% of water, depending on the wavelength, we can use either transmission or absorption effects.

The 635nm wavelength used in the laser SMART<sup>m</sup> PRO shows excellent photobiological effects, thanks to the high transmission in water. This wavelength is also optimally selected for the photochemical effects, local ozone therapy activated by tolonium chloride.

The second wavelength 980nm due to the high soft tissue absorption efficiency obtains excellent surgical results at definitely lower power radiation. The results in soft tissue cutting and vaporization are the most effective and safest compared to other wavelengths. Besides contact microsurgery that wavelength allows to use laser SMART<sup>m</sup> PRO for endodontics, periodontology, whitening as well as for pain management.

Additionally the laser can be equipped with diagnostic 405nm wavelength. Based on the autofluorescence phenomenon a doctor can precisely diagnose the extent of bacterial inflammations and changes on the mucosa invisible to the naked eye.





**7 DEVICE TYPES  
IN ONE LASER**

CO<sub>2</sub> LASER  
ND:YAG LASER  
LED LAMP  
HPDL LASER  
LLLT LASER  
DIAG DEVICE



**PHOTOCHEMICAL AND  
PHOTOBIOLOGICAL EFFECTS**

**BIOMODULATION  
PHOTOACTIVATED DISINFECTION  
DIAGNOSTICS**



**DATABASE,  
MANUAL AND  
SAFETY KEY IN ONE**



**MULTIFUNCTIONAL  
ACCESSORIES**

# SMART<sup>m</sup> PRO

**405NM/635NM/980NM**  
**PHOTOTHERMAL EFFECTS**

- MICROSURGERY      ● ENDODONTICS
- PERIODONTOLOGY      ● WHITENING
- THERAPY

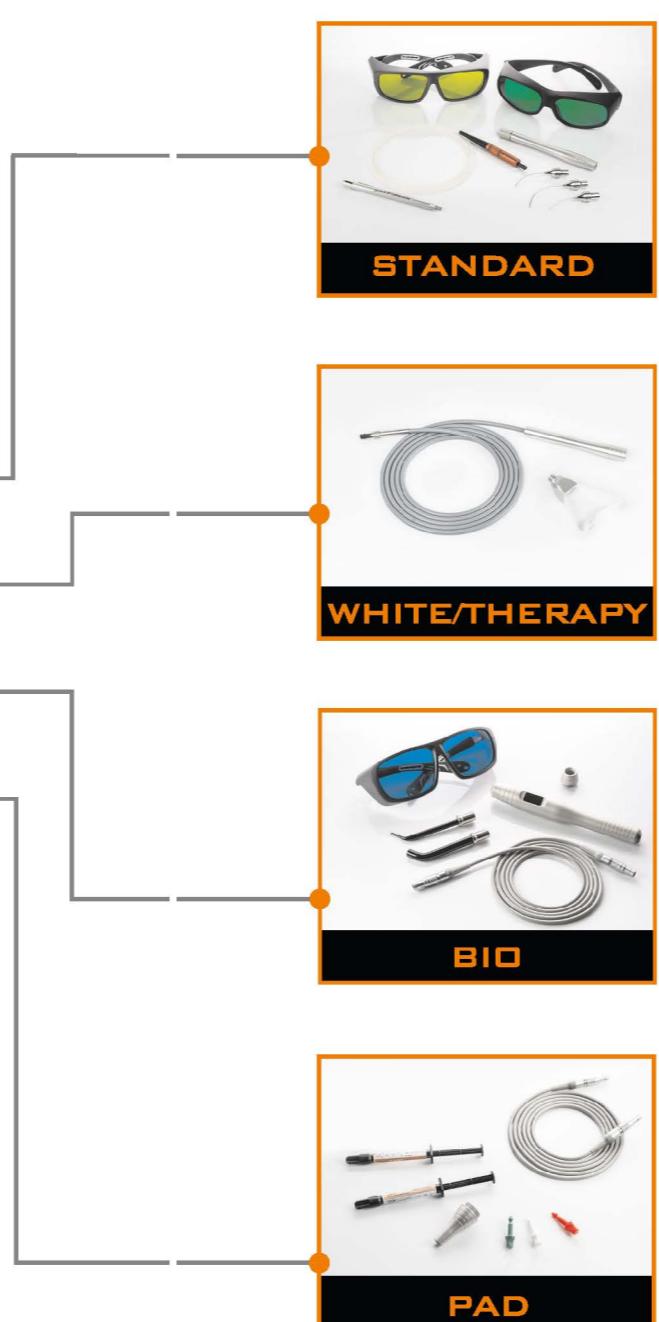
## ALL - IN - ONE EFFECTS



**405NM**  
**diagnostics:** dental caries, calculus, plaque, enamel fracture, non-vital teeth, fillings, prosthetic restorations, detection of bacteria and extent of oral mucosa pathologies invisible to the naked eye, pre-cancerous changes, possibility of checking the preparation precision of cavity, root canal or implant area



**DIAG**



**980NM**  
**prosthetics, implantology, surgery:** soft tissue cutting and coagulation, gum contouring and reshaping, gingival retraction, management and haemostasis in the gingival sulcus for prosthodontic impressions, exposure of implants, lingual and labial frenotomy and frenectomy, abscess opening, epulis papilloma and fibroma removal  
**periodontology:** elimination of bacteria in periodontal pockets  
**endodontics:** sterilization of root canal and closure of microchannels

**635NM**  
**aesthetic dentistry:** power bleaching of vital and non-vital teeth  
**therapy:** chronic pain, acute pain, temporomandibular degenerative joint disease, lockjaw, hand arthritis, wrist arthritis, carpal tunnel syndrome, omarthritis

**biomodulation:** inflammation, irritation, pulp exposure, hypersensitivity, treatment of chronic and drug-resistant gingivitis and periodontitis, necrosis of the gingiva, dry socket and stomatitis, inflammation of the maxillary sinuses, atrophic rhinitis, post-operative wounds, trigeminal neuralgia, trauma of temporomandibular joint, tissue healing after surgical procedure, mucosa regeneration, haemostasis after tooth extraction, treatment of aphthae and herpes, regeneration of nerve fibers

**635NM**  
**photoactivated disinfection:** root canals, periodontal pockets, support in treatment of periapical lesions, periodontitis and perimplantitis, decontamination of cavities before filling, treatment of chronic and recurrent aphthae, widespread and local inflammation of the mouth caused by a herpes virus and other viruses, hygienisation of cervical area after scaling



**SAFE FOR  
DOCTOR  
AND  
PATIENT**



## ● TECHNICAL PARAMETERS

|  |  |
|--|--|
| Laser type                               | diode, semiconductor   |
| Operation mode                           | continuous or pulsed   |
| Wavelength                               | 980nm -endo/perio/surgery/whitening/therapy<br>635nm - biomodulation, photoactivated disinfection<br>405nm - diagnostics   |
| Max power                                | up to 15W [CW], adjusted every 0,1 W for 980nm<br>up to 400mW [CW], adjusted every 10mW for 635nm<br>up to 100%, adjusted every 10% for 405nm  |
| Pulse time                               | 0,05ms - 10 000 ms   |
| Frequency                                | 0,05 -10 000Hz   |
| Controller                               | microprocessor   |
| Display                                  | TFT with touch panel   |
| Beam delivery                            | fiber optic with SMA 905 connector   |
| Fiber diameter                           | min. 200µm or 320µm  |
| Delivery system                          | 2.5m - Fiber optic, silicone coated, 320µm diameter with SMA 905 connector on one end, open-ended on the other end (for endo, perio and microsurgery)<br>2m - Fiber optic cable 320µm diameter with SMA 905 connector on both sides (for whitening and therapy)<br>2m - Electrical cable (for biostimulation, PAD and diagnostics) |
| Pilot beam                               | red, 635nm   |
| Beam emission initiation                 | footswitch and button on the treatment handpiece   |
| Cooling system                           | internal, air, thermoelectric cooling and passive  |
| Laser dimensions                         | 270 x 245 x 90mm   |
| Weight                                   | 2,5kg  |
| Dimensions of t case                     | 530 x 380 x 230mm  |
| Weight of transportation case with laser | 8,5kg  |

## ● BASIC FEATURES

## VERSATILITY

The device is designed to be used in many medical fields. Available in many versions, differing in power and wavelength, it can be used in a small practice as well as in a large clinic. Due to its inherent properties and current technological advancement, the most versatile and efficient wavelength of a semiconductor diode module is 980nm. Variety of fiber optic accessories and handpieces allows more efficient treatment of a greater number of diseases.

## PRECISION

- SMARTMPRO diode laser 8in1 is one solution for cutting, coagulation, vaporization, whitening, Therapy, BIO, PAD, Diagnostics and Aesthetic medicine.
- SMARTMPRO provides maximal comfort and quality of work. It works only in place where fiber touches the tissue closing blood and lymphatic vessels, often without any need of placing any stitches

## COMFORT

- Touch panel – makes your work with SMARTPRO easy and simple. "QWERTY" keyboard simplifies adding new patients and searching the old ones in database.
- smartKEY – key, manual and patient database – always at hand.
- Handy grip – easy transportation from one treatment room to another without any necessity of dismantling device.
- Safety and mobility - the device and accessories are wellprotected in a transport case

## ● APPLICATIONS

| LASER MODEL    | TREATMENT ACCORDING TO PACKAGE |              |             |              |           |         |                     |
|----------------|--------------------------------|--------------|-------------|--------------|-----------|---------|---------------------|
|                | Aesthetic Medicine             | Periodontics | Endodontics | Microsurgery | Whitening | Therapy | Biomodulation (BIO) |
| SMART™ PRO 3w1 |                                |              |             |              |           |         |                     |
| SMART™ PRO 5w1 |                                |              |             |              |           |         |                     |
| SMART™ PRO 6w1 |                                |              |             |              |           |         |                     |
| SMART™ PRO 7w1 |                                |              |             |              |           |         |                     |
| SMART™ PRO 9w1 | Optional                       |              |             |              |           |         |                     |

REMARK: There is an option to buy diode laser 980nm with the power of 15W\*

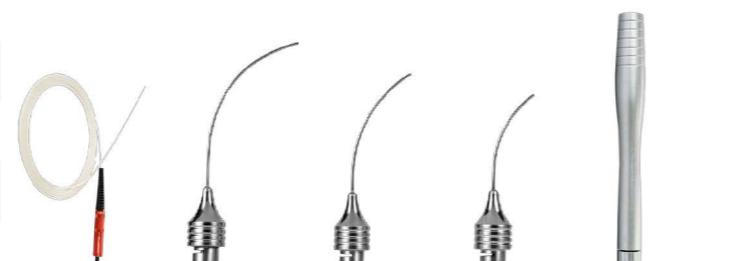


Package Aesthetic Medicine  
(with Software upgrade)



## PART NO. NAME AND SPECIFICATION

|           |  |
|-----------|--|
| 170027.02 | Handpiece for: - microsurgery - endodontics - periodontology                                     |
| 560075.01 | Needle tip (27mm length x 13mm curved - compatible with 200/320µm fiber)                         |
| 560075.03 | Needle tip (35mm length x 20mm curved - compatible with 200/320µm fiber)                         |
| 560075.04 | Needle tip (40mm length x 32mm curved - compatible with 200/320µm fiber)                         |
| 250009    | Optical fiber in silicone jacket (200µm fiber core, 2.5m L, std SMA 905 connector)               |
| 250010    | Optical fiber in silicone jacket (320µm fiber core, 2.5m L, std SMA 905 connector)               |
| 690002    | Diamond knife  |
| 260002    | Safety glasses for doctor 980nm  |
| 260001    | Safety glasses for doctor 635nm  |
| 260005    | Safety glasses universal for 405nm, 635nm and 980nm  |
| 260006    | Safety glasses for doctor 405nm  |
| 2600017   | Aesthetic Eyewear for medical (Aesthetic package) 405nm, 635nm and 980nm                         |
| 170008.02 | Therapeutic handpiece with fiber optic cable 320µm diameter with SMA 905 connector on both sides |
| 170003    | Arch glass tip for whitening and High Power Laser Therapy  |
| 170004    | Tip for single tooth whitening and non-vital tooth bleaching (fiber) 8mm diameter                |
| 170006    | Therapeutic lens tip for High Power Laser Therapy 1cm <sup>2</sup> for 980nm                     |
| 170014    | Therapeutic lens tip for High Power Laser Therapy 2cm <sup>2</sup> for 980nm                     |
| 170022    | Diode laser handpiece for BIO and/or PAD 635nm - 400mW   |
| 170045    | Diode laser handpiece for caries and mucosa diagnostics 405nm - 400mW                            |
| 170031    | Connection cable (between diode laser housing and therapeutic handpiece 635nm or 405nm)          |
| 170020    | Therapeutic tip for biomodulation and diagnostics (lenticular) ø14mm for 635nm                   |
| 170024    | Adaptor for fiber therapeutic biomodulation and diagnostics tips (405nm)                         |



250010 250009 560075.04 560075.03 560075.01 170027.02



260006 260005 260001 260002 690002



170045 170022 170014 170003 170008.02 2600017



170024 170020 170031

## PART NO. NAME AND SPECIFICATION

|           |   |
|-----------|---|
| 170025    | Therapeutic tip for B.I.O and diagnostics (fiber) 8mm/8mm diameter (405nm)  |
| 170026    | Therapeutic tip for biomodulation (fiber) 6mm/2mm diameter  |
| 170012    | Photoactivated disinfection adapter tip   |
| 250003    | Photoactivated disinfection tip – „Perio”   |
| 250004    | Photoactivated disinfection tip – „Endo”  |
| 250005    | Photoactivated disinfection tip – „Bio”   |
| 730004    | Tolonium chloride blue, for PAD – viscous fluid – 1.2ml   |
| 730005    | Tolonium chloride blue, for PAD – endo fluid – 1.2ml  |
| 730015    | Tolonium chloride blue, for PAD – viscous liquid – 10ml   |
| 730016    | Tolonium chloride blue, for PAD – endo liquid – 10ml  |
| 730001    | Whitening gel   |
| 470001.01 | SMART KEY USB key with manual and personal patient database   |
| 120010    | Foot switch   |
| 180006.24 | SMARTM diode laser workstation (without the laser)<br><br>Laser device position adjustable Shelf for all optical accessories Basket for footswitch and protective glasses Cable and power supply management system. Well balance and movable trolley. 12V |



2 **SMART<sup>M</sup> PRO**  
**YEARS WARRANTY**



250005 250004 250003 170025 170026 170012



730001 730016 730015 730005 730004



180006.24 120010 470001.01

# SURGICAL SUTURES

**35** YEARS OF HIGH  
Experience

# PAGE INDEX

Type Of Sutures

Absorbable Suture  
Non-Absorbable Suture

Page  
**386**

Absorbable Sutures

MONOSORB  
MONOFAST

Page  
**391**

Absorbable Sutures

PGA  
PGLA-Neosorp  
RPLGA-Neosorp rapid

Page  
**388**

Non-Absorbable Sutures

POLYPYLEN  
POLYAMID  
SILK  
ROFIMED, PTFE

Page  
**393**



# ABSORBABLE SUTURES



**P.G.A.**  
Braided, violet, synthetic absorbable  
polyglycolic acid surgical suture

| Tensile Strength: | Absorption: |
|-------------------|-------------|
| 65% 2nd week      | 60-90 days  |
| 35% 3rd week      |             |



**NEOSORB (PGLA)**  
Braided, violet, synthetic absorbable  
polyglactin 910 surgical suture,  
coated

| Tensile Strength: | Absorption: |
|-------------------|-------------|
| 50% 3rd week      | 56-70 days  |
|                   |             |



**NEOSORB RAPID (RPGLA)**  
Braided, undyed, synthetic rapid  
absorbable polyglactin 910 surgical  
suture, coated

| Tensile Strength: | Absorption:                  |
|-------------------|------------------------------|
| 50% 5th day       | Total lost in:<br>10-14 days |
|                   | 42 days                      |



**MONOSORB**  
Monofilament, violet, synthetic  
absorbable poly (p-dioxanone) surgical  
suture-PDO

| Tensile Strength: | Absorption:  |
|-------------------|--------------|
| 65% -70% 4th week |              |
| 50% -60% 6th week | 180-220 days |



**MONOFAST**  
Monofilament, violet, synthetic  
absorbable polyglycolic acid - co-poly-  
caprolactone surgical suture - PGCL

| Tensile Strength: | Absorption:               |
|-------------------|---------------------------|
| 68% -78% 1st week | Total lost in:<br>28 days |
| 30% 2nd week      | 90 -110 days              |

# NON ABSORBABLE SUTURES



**PROFIMED**  
Undyed monofilament,  
non absorbable, ptf e suture



**POLYAMID**  
Blue monofilament, non absorbable,  
polyamide surgical suture (nylon)



**SILK**  
Black, braided non absorbable,  
wax coated, silk surgical suture



**SUPRAMID**  
Black, Pseudo-monofilament,  
non absorbable polyamide (nylon)  
sterile surgical suture



**PROPYLEN**  
Blue monofilament, non absorbable  
polypropylene surgical suture



**POLYESTER**  
Green, braided, non absorbable,  
wax coated polyester surgical suture

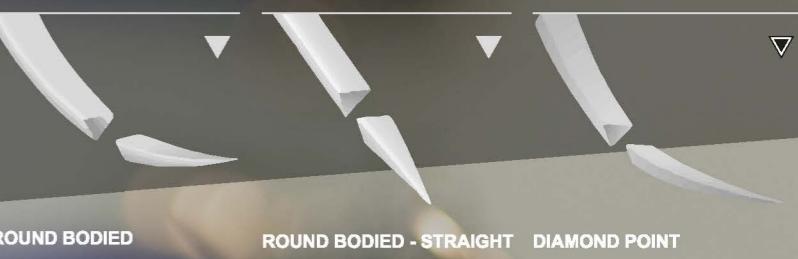
## NEEDLE TYPES

### NEEDLE CURVINGS



### NEEDLE POINT TYPES

REVERSE CUTTING      STRAIGHT CUTTING      EXTRA CUTTING



**PGA**

**Braided, violet, synthetic absorbable polyglycolic acid surgical suture. PGA-PCI-copolymer coated.**

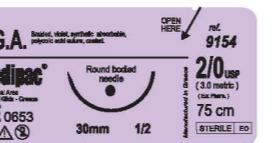
Polyglycolic Acid Synthetic Absorbable Suture PGA retains approximately 75% of the average E.P. tensile strength requirement at the end of the 2nd post implan-tation week, and more than 35% at the end of the 3rd week. The absorption of the suture is essentially com-plete between 50 and 90 days.

| METRIC | USP | SUTURE LENGTH | CODE        |
|--------|-----|---------------|-------------|
| 0.7    | 6/0 | 45cm          | <b>9610</b> |
| 1.0    | 5/0 | 45cm          | <b>9611</b> |

| ▼ 16mm |     |               |                 |
|--------|-----|---------------|-----------------|
| METRIC | USP | SUTURE LENGTH | CODE            |
| 1.0    | 5/0 | 45cm          | <b>9621</b>     |
| 1.5    | 4/0 | 45cm          | <b>9622</b>     |
| 2.0    | 3/0 | 45cm          | <b>9623</b>     |
| 1.5    | 4/0 | 75cm          | <b>9622-4 *</b> |

| METRIC | USP | SUTURE LENGTH | CODE        |
|--------|-----|---------------|-------------|
| 1.0    | 5/0 | 45cm          | <b>9631</b> |
| 1.5    | 4/0 | 45cm          | <b>9632</b> |
| 2.0    | 3/0 | 75cm          | <b>9633</b> |

| METRIC | USP | SUTURE LENGTH | CODE        |
|--------|-----|---------------|-------------|
| 1.5    | 4/0 | 75cm          | <b>9642</b> |
| 2.0    | 3/0 | 75cm          | <b>9643</b> |
| 3.0    | 2/0 | 75cm          | <b>9644</b> |



| ▼ 26mm |     |               |                        |
|--------|-----|---------------|------------------------|
| METRIC | USP | SUTURE LENGTH | CODE                   |
| 1.5    | 4/0 | 75cm          | <b>9647</b>            |
| 2.0    | 3/0 | 75cm          | <b>9648</b>            |
| 3.0    | 2/0 | 75cm          | <b>9649</b>            |
| 2.0    | 3/0 | 75cm          | <b>9648A-4</b> undyed* |

| ▼ 30mm |     |               |             |
|--------|-----|---------------|-------------|
| METRIC | USP | SUTURE LENGTH | CODE        |
| 2.0    | 3/0 | 75cm          | <b>9653</b> |
| 3.0    | 2/0 | 75cm          | <b>9654</b> |
| 3.5    | 0   | 75cm          | <b>9655</b> |
| 4.0    | 1   | 75cm          | <b>9656</b> |

| ▼ 36mm |     |               |             |
|--------|-----|---------------|-------------|
| METRIC | USP | SUTURE LENGTH | CODE        |
| 2.0    | 3/0 | 75cm          | <b>9663</b> |
| 3.0    | 2/0 | 75cm          | <b>9664</b> |
| 3.5    | 0   | 75cm          | <b>9665</b> |

\* available upon request

# NEOSORB (PGLA)

Braided, violet, synthetic absorbable polyglactin 910 surgical suture, coated.

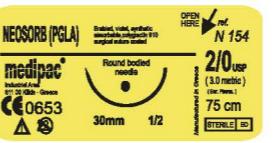
retains approximately 50% of the average E.P. tensile strength requirement at the end of the 3rd post implantation week. The absorption of the suture is essentially complete between 56-70 days.

| ▼ 12mm |     |               |      |
|--------|-----|---------------|------|
| METRIC | USP | SUTURE LENGTH | CODE |
| 0.7    | 6/0 | 45cm          | N610 |
| 1.0    | 5/0 | 45cm          | N611 |

| ▼ 16mm |     |               |          |
|--------|-----|---------------|----------|
| METRIC | USP | SUTURE LENGTH | CODE     |
| 1.0    | 5/0 | 45cm          | N621     |
| 1.5    | 4/0 | 45cm          | N622     |
| 2.0    | 3/0 | 45cm          | N623     |
| 1.5    | 4/0 | 75cm          | N622-4 * |

| ▼ 19mm |     |               |      |
|--------|-----|---------------|------|
| METRIC | USP | SUTURE LENGTH | CODE |
| 1.0    | 5/0 | 45cm          | N631 |
| 1.5    | 4/0 | 45cm          | N632 |
| 2.0    | 3/0 | 75cm          | N633 |

| ▼ 24mm |     |               |      |
|--------|-----|---------------|------|
| METRIC | USP | SUTURE LENGTH | CODE |
| 1.5    | 4/0 | 75cm          | N642 |
| 2.0    | 3/0 | 75cm          | N643 |
| 3.0    | 2/0 | 75cm          | N644 |



| ▼ 26mm |     |               |                 |
|--------|-----|---------------|-----------------|
| METRIC | USP | SUTURE LENGTH | CODE            |
| 1.5    | 4/0 | 75cm          | N647            |
| 2.0    | 3/0 | 75cm          | N648            |
| 3.0    | 2/0 | 75cm          | N649            |
| 2.0    | 3/0 | 75cm          | N648A-4 undyed* |

| ▼ 30mm |     |               |      |
|--------|-----|---------------|------|
| METRIC | USP | SUTURE LENGTH | CODE |
| 2.0    | 3/0 | 75cm          | N653 |
| 3.0    | 2/0 | 75cm          | N654 |
| 3.5    | 0   | 75cm          | N655 |
| 4.0    | 1   | 75cm          | N656 |

| ▼ 36mm |     |               |      |
|--------|-----|---------------|------|
| METRIC | USP | SUTURE LENGTH | CODE |
| 2.0    | 3/0 | 75cm          | N663 |
| 3.0    | 2/0 | 75cm          | N664 |
| 4.0    | 0   | 75cm          | N665 |

\* available upon request

# NEOSORB RAPID (RPGLA)

Braided, undyed synthetic rapid absorbable polyglactin 910 surgical suture, coated.

NEOSORB RAPID retains approximately 50% of the original tensile strength at 5 days post implantation. All of the original tensile strength is lost by approximately 10 to 14 days. Absorption is essentially complete by 42 days.

**▼ 12mm**

| METRIC | USP | SUTURE LENGTH | CODE   |
|--------|-----|---------------|--------|
| 1.0    | 5/0 | 45cm          | NR 611 |
| 1.5    | 4/0 | 45cm          | NR 612 |

**▼ 16mm**

| METRIC | USP | SUTURE LENGTH | CODE   |
|--------|-----|---------------|--------|
| 1.0    | 5/0 | 45cm          | NR 621 |
| 1.5    | 4/0 | 45cm          | NR 622 |

**19mm**

| METRIC | USP | SUTURE LENGTH | CODE      |
|--------|-----|---------------|-----------|
| 1.5    | 4/0 | 45cm          | NR 632    |
| 1.5    | 4/0 | 75cm          | NR 632-4* |
| 2.0    | 3/0 | 45cm          | NR 633    |
| 2.0    | 3/0 | 75cm          | NR 633-4* |

**▼ 24mm**

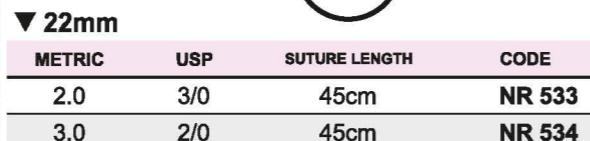
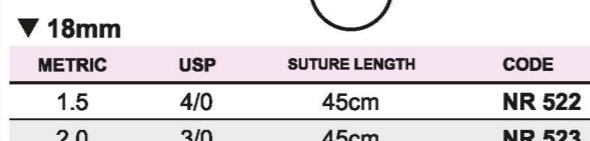
| METRIC | USP | SUTURE LENGTH | CODE      |
|--------|-----|---------------|-----------|
| 2.0    | 3/0 | 45cm          | NR 643    |
| 2.0    | 3/0 | 75cm          | NR 643-4* |
| 3.0    | 2/0 | 45cm          | NR 644    |
| 3.0    | 2/0 | 75cm          | NR 644-4* |



▼ Reverse Cutting  
3/8 CIRCLE



▼ Reverse Cutting  
1/2 CIRCLE



\* available upon request



▼ Reverse Cutting  
3/8 CIRCLE

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 1.0    | 5/0 | 45cm          | 8611 |

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 1.0    | 5/0 | 45cm          | 8621 |
| 1.5    | 4/0 | 45cm          | 8622 |

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 1.5    | 4/0 | 45cm          | 8632 |

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 1.5    | 4/0 | 75cm          | 8642 |
| 2.0    | 3/0 | 75cm          | 8643 |

# MONOSORB

Monofilament, violet, synthetic absorbable, poly (p-dioxanone) surgical suture-PDO.

The retention of the MONOSORB absorbable suture is 65-70% of the original tensile strength after 4 weeks and 50-60% after 6 weeks. The absorption of the suture is essentially completed after a period of 180-220 days.

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 2.0    | 3/0 | 75cm          | 8648 |

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 3.0    | 2/0 | 75cm          | 8654 |

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 3.0    | 2/0 | 75cm          | 8664 |

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 3.0    | 2/0 | 75cm          | 8674 |

# MONOFAST

Monofilament, violet, synthetic absorbable, polyglycolic acid-co-polycaprolactone surgical suture-PGCL.

The retention of the MONOFAST suture is 68-78% of the original tensile strength after the 1st week and approximately 30% after the end of the 2nd week. The absorption of the suture is essentially completed after a period of 90-110 days. Its original tensile strength is essentially lost 28 days after its implantation.

## ▼ 12mm

| METRIC | USP | SUTURE LENGTH | CODE  |
|--------|-----|---------------|-------|
| 1.0    | 5/0 | 45cm          | 18611 |
| 1.5    | 4/0 | 45cm          | 18612 |

## ▼ 16mm

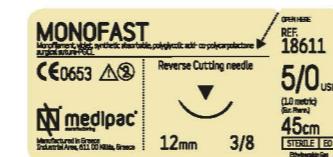
| METRIC | USP | SUTURE LENGTH | CODE  |
|--------|-----|---------------|-------|
| 1.0    | 5/0 | 45cm          | 18621 |
| 1.5    | 4/0 | 45cm          | 18622 |

## ▼ 19mm

| METRIC | USP | SUTURE LENGTH | CODE  |
|--------|-----|---------------|-------|
| 1.5    | 4/0 | 45cm          | 18632 |

## ▼ 24mm

| METRIC | USP | SUTURE LENGTH | CODE  |
|--------|-----|---------------|-------|
| 2.0    | 3/0 | 75cm          | 18643 |



▼ Reverse Cutting  
3/8 CIRCLE

## ▼ 26mm

| METRIC | USP | SUTURE LENGTH | CODE  |
|--------|-----|---------------|-------|
| 2.0    | 3/0 | 75cm          | 18648 |

## ▼ 30mm

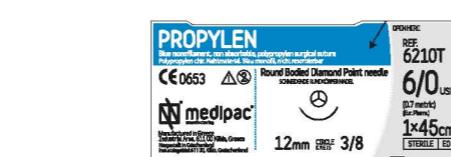
| METRIC | USP | SUTURE LENGTH | CODE  |
|--------|-----|---------------|-------|
| 3.0    | 2/0 | 75cm          | 18654 |

## ▼ 36mm

| METRIC | USP | SUTURE LENGTH | CODE  |
|--------|-----|---------------|-------|
| 3.0    | 2/0 | 75cm          | 18664 |

## ▼ 39mm

| METRIC | USP | SUTURE LENGTH | CODE  |
|--------|-----|---------------|-------|
| 3.0    | 2/0 | 75cm          | 18674 |



▼ Reverse Cutting  
3/8 CIRCLE

## ▼ 10mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 6600 |

## ▼ 12mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 6610 |
| 1.0    | 5/0 | 45cm          | 6611 |

## ▼ 16mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 6620 |
| 1.0    | 5/0 | 45cm          | 6621 |
| 1.5    | 4/0 | 45cm          | 6622 |
| 2.0    | 3/0 | 45cm          | 6623 |

## ▼ 19mm

| METRIC | USP | SUTURE LENGTH | CODE   |
|--------|-----|---------------|--------|
| 0.7    | 6/0 | 45cm          | 6630   |
| 1.0    | 5/0 | 45cm          | 6631   |
| 1.5    | 4/0 | 45cm          | 6632   |
| 2.0    | 3/0 | 45cm          | 6633   |
| 3.0    | 2/0 | 45cm          | 6634   |
| 2.0    | 3/0 | 75cm          | 6633-4 |

# PROPYLEN

Blue monofilament non absorbable polypropylene surgical suture.

PROPYLEN suture is not adherent to the tissues and it can be removed easily and painlessly. Therefore it can be used as a pull out suture. The suture is usually removed in a period of 30 days.

## ▼ 24mm

| METRIC | USP | SUTURE LENGTH | CODE   |
|--------|-----|---------------|--------|
| 1.0    | 5/0 | 45cm          | 6641   |
| 1.5    | 4/0 | 45cm          | 6642   |
| 2.0    | 3/0 | 45cm          | 6643   |
| 3.0    | 2/0 | 45cm          | 6644   |
| 2.0    | 3/0 | 75cm          | 6643-4 |

## ▼ 26mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 1.5    | 4/0 | 45cm          | 6647 |
| 2.0    | 3/0 | 75cm          | 6648 |
| 3.0    | 2/0 | 75cm          | 6649 |

## ▼ 30mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 2.0    | 3/0 | 75cm          | 6653 |
| 3.0    | 2/0 | 75cm          | 6654 |

## ▼ 36mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 2.0    | 3/0 | 75cm          | 6663 |
| 3.0    | 2/0 | 75cm          | 6664 |

# PROPYLEN

Blue monofilament non absorbable polypropylene surgical suture.

PROPYLEN suture is not adherent to the tissues and it can be removed easily and painlessly. Therefore it can be used as a pull out suture. The suture is usually removed in a period of 30 days.

| ▼ 10mm |     |               |         |
|--------|-----|---------------|---------|
| METRIC | USP | SUTURE LENGTH | CODE    |
| 0.7    | 6/0 | 45cm          | 6600S * |

| ▼ 12mm |     |               |         |
|--------|-----|---------------|---------|
| METRIC | USP | SUTURE LENGTH | CODE    |
| 0.7    | 6/0 | 45cm          | 6610S * |
| 1.0    | 5/0 | 45cm          | 6611S * |
| 1.5    | 4/0 | 45cm          | 6612S * |

| ▼ 16mm |     |               |         |
|--------|-----|---------------|---------|
| METRIC | USP | SUTURE LENGTH | CODE    |
| 0.7    | 6/0 | 45cm          | 6620S * |
| 1.0    | 5/0 | 45cm          | 6621S * |
| 1.5    | 4/0 | 45cm          | 6622S * |



## ▼ 19mm

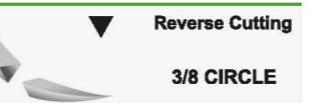
| METRIC | USP | SUTURE LENGTH | CODE     |
|--------|-----|---------------|----------|
| 0.7    | 6/0 | 45cm          | 6630S *  |
| 1.0    | 5/0 | 45cm          | 6631S *  |
| 1.5    | 4/0 | 45cm          | 6632S *  |
| 2.0    | 3/0 | 45cm          | 6633S *  |
| 1.5    | 4/0 | 75cm          | 6632S4 * |
| 2.0    | 3/0 | 75cm          | 6633S4 * |

## ▼ 24mm

| METRIC | USP | SUTURE LENGTH | CODE     |
|--------|-----|---------------|----------|
| 1.0    | 5/0 | 45cm          | 6641S *  |
| 1.5    | 4/0 | 45cm          | 6642S *  |
| 2.0    | 3/0 | 45cm          | 6643S *  |
| 1.5    | 4/0 | 75cm          | 6642S4 * |
| 2.0    | 3/0 | 75cm          | 6643S4 * |

## ▼ 30mm

| METRIC | USP | SUTURE LENGTH | CODE    |
|--------|-----|---------------|---------|
| 2.0    | 3/0 | 75cm          | 6653S * |
| 3.0    | 2/0 | 75cm          | 6654S * |



## ▼ 10mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 4600 |
| 1.0    | 5/0 | 45cm          | 4601 |

## ▼ 12mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 4610 |
| 1.0    | 5/0 | 45cm          | 4611 |
| 1.5    | 4/0 | 45cm          | 4612 |

## ▼ 16mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 4620 |
| 1.0    | 5/0 | 45cm          | 4621 |
| 1.5    | 4/0 | 45cm          | 4622 |
| 2.0    | 3/0 | 45cm          | 4623 |

## ▼ 19mm

| METRIC | USP | SUTURE LENGTH | CODE   |
|--------|-----|---------------|--------|
| 1.0    | 5/0 | 45cm          | 4631   |
| 1.5    | 4/0 | 45cm          | 4632   |
| 2.0    | 3/0 | 45cm          | 4633   |
| 3.0    | 2/0 | 45cm          | 4634   |
| 1.5    | 4/0 | 75cm          | 4632-4 |
| 2.0    | 3/0 | 75cm          | 4633-4 |

# POLYAMID Nylon

Blue monofilament non absorbable polyamide surgical suture (nylon).

POLYAMID suture is not adherent to the tissues and it can be removed easily and painlessly. Therefore it can be used as a pull out suture. The suture is usually removed in a period of 30 days.

## ▼ 24mm

| METRIC | USP | SUTURE LENGTH | CODE   |
|--------|-----|---------------|--------|
| 1.0    | 5/0 | 45cm          | 4641   |
| 1.5    | 4/0 | 45cm          | 4642   |
| 2.0    | 3/0 | 45cm          | 4643   |
| 3.0    | 2/0 | 45cm          | 4644   |
| 1.5    | 4/0 | 75cm          | 4642-4 |
| 2.0    | 3/0 | 75cm          | 4643-4 |
| 3.0    | 2/0 | 75cm          | 4644-4 |

## ▼ 26mm

| METRIC | USP | SUTURE LENGTH | CODE   |
|--------|-----|---------------|--------|
| 1.5    | 4/0 | 45cm          | 4647   |
| 2.0    | 3/0 | 45cm          | 4648   |
| 3.0    | 2/0 | 45cm          | 4649   |
| 3.5    | 0   | 75cm          | 4650   |
| 1.5    | 4/0 | 75cm          | 4647-4 |
| 2.0    | 3/0 | 75cm          | 4648-4 |
| 3.0    | 2/0 | 75cm          | 4649-4 |

## ▼ 30mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 2.0    | 3/0 | 75cm          | 4653 |
| 3.0    | 2/0 | 75cm          | 4654 |
| 3.5    | 0   | 75cm          | 4655 |

**SILK**

Black, braided, non absorbable, wax coated, silk surgical suture.

The implantation of the SILK suture in tissues results to an initial inflammatory reaction, followed by gradual encapsulation of the suture by connective tissues. SILK sutures are not absorbed, but the protein fibers are progressively degraded with gradual loss of their tensile strength.

## ▼ 10mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 1600 |

## ▼ 10mm DOUBLE

| METRIC | USP | SUTURE LENGTH | CODE    |
|--------|-----|---------------|---------|
| 0.7    | 6/0 | 45cm          | 1600D * |

## ▼ 12mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 1610 |
| 1.0    | 5/0 | 45cm          | 1611 |
| 1.5    | 4/0 | 45cm          | 1612 |

## ▼ 12mm DOUBLE

| METRIC | USP | SUTURE LENGTH | CODE    |
|--------|-----|---------------|---------|
| 0.7    | 6/0 | 45cm          | 1610D * |
| 1.5    | 4/0 | 45cm          | 1612D * |

## ▼ 16mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 0.7    | 6/0 | 45cm          | 1620 |
| 1.0    | 5/0 | 45cm          | 1621 |
| 1.5    | 4/0 | 75cm          | 1622 |
| 2.0    | 3/0 | 75cm          | 1623 |
| 3.0    | 2/0 | 75cm          | 1624 |

\* available upon request



## ▼ 19mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 1.5    | 4/0 | 75cm          | 1632 |
| 2.0    | 3/0 | 75cm          | 1633 |
| 3.0    | 2/0 | 75cm          | 1634 |

## ▼ 24mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 1.0    | 5/0 | 75cm          | 1641 |
| 1.5    | 4/0 | 75cm          | 1642 |
| 2.0    | 3/0 | 75cm          | 1643 |
| 3.0    | 2/0 | 75cm          | 1644 |

## ▼ 26mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 1.5    | 4/0 | 75cm          | 1647 |
| 2.0    | 3/0 | 75cm          | 1648 |
| 3.0    | 2/0 | 75cm          | 1649 |

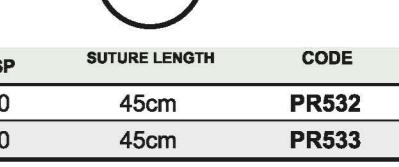
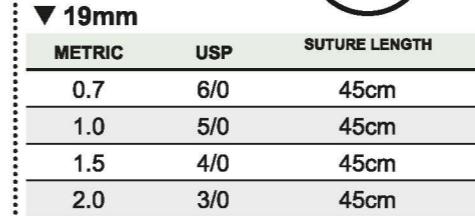
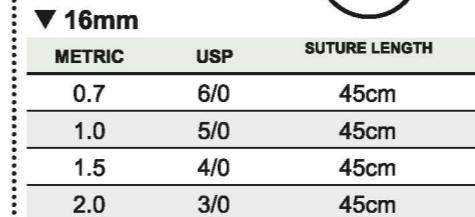
## ▼ 30mm

| METRIC | USP | SUTURE LENGTH | CODE |
|--------|-----|---------------|------|
| 2.0    | 3/0 | 75cm          | 1653 |
| 3.0    | 2/0 | 75cm          | 1654 |
| 3.5    | 0   | 75cm          | 1655 |
| 4.0    | 1   | 75cm          | 1656 |

**PROFIMED PTFE**

Undyed monofilament non absorbable, PTFE suture.

PROFIMED surgical sutures are used for soft tissue approximation and /or ligation, even in cardiovascular and dental procedures, but is not indicated for use in ophthalmic surgery, microsurgery and peripheral neural tissue .



### Client Notes

Title : Date: / /

Title : Date: / /

### Client Notes

Title : Date: / /

Title : Date: / /