

IMPLANTOLOGY  
**GENERAL**  
**AL**  
CATALOGUE





PRIMARY  
HEALING  
IMPLANT **PHI**™

are brands of

**KRISTAL**  
IMPLANTOLOGY - ORTHODONTICS

# RESEARCH IS OUR ENDLESS ROAD



## ABOUT US

Kristal s.r.l. was incorporated in 2013 with the grant of the exclusive distribution of the implant line produced by Bio Implant, a company with a tradition of over 20 years of clinical experience, and the orthodontic line manufactured in America by Lancer Orthodontics, Inc. since 1967.

Through an intensive and ongoing programme of investment, research and training with universities, advice from opinion leaders and the high value of the offered products, after only 1 year, Kristal's commercial presence was strengthened to the extent that during 2014 the company decided to expand the orthodontic and implant line by acquiring two companies which were already well known in the dental market: TP Italia s.r.l. and P.H.I. s.r.l.

Kristal's operations do not only concern distribution, but also training and refresher courses for dentists. At our premises in Trezzano sul Naviglio, prestigious speakers hold theoretical and practical courses, and we are also present in other facilities in Italy and abroad. Our staff will always be at your disposal for any needs.

**Andrea Sgarallino**  
Sole Director



**SIMPLE**  
Surface



**CLASSIC**  
Surface



## CORE V2 IMPLANTS

Cylindrical implant with internal hexagon in Titanium Grade 4 for the submerged technique with Double Acid Etching (DAE) surface.

The internal hex connection is still the most versatile prosthetic connection mechanism for both screwed and cemented prostheses.

The morphology of the CORE V2 implant, i.e. coil pitch, implant core, neck and hexagon diameter, meets the most established mechanical standards with long-term follow-up.

The CORE V2 implant has atraumatic apices and discharge apical millings that make it self-centring.

The CORE V2 implant is made according to the dictates of the latest literature with particular attention to the reduction of the peri-implant bone loss developed according to the following concepts of new technology and macrogeometry:

- **BICUSPID THREAD**
- **MINIMUM COMPRESSION IN DENSE BONE**
- **SWITCHING PLATFORM**
- **SINGLE PROSTHETIC PLATFORM**



1

**CLASSIC**  
Surface



**TDE**  
Surface



## K-CORE V2 IMPLANTS

Hexagonal Titanium Grade 4 conical implant for the submerged Double Acid Etching (DAE) technique.

The internal hex connection is still the most versatile prosthetic connection mechanism for both screwed and cemented prostheses.

The conical morphology of the K-CORE V2 implant, very aggressive coil pitch, conical implant core, neck and hexagonal diameter, tends to compact the medulla during implant insertion and the large flat-base thread preserves its stability.

Recommended in post-extractive sites and in the upper teeth.

The K-CORE V2 implant is made according to the dictates of the most recent literature, paying particular attention to the reduction of the peri-implant bone loss cone developed according to the following concepts of new technology and macrogeometry:

- **ATRAUMATIC APEX**
- **LARGE THREAD**
- **SWITCHING PLATFORM**
- **SINGLE PROSTHETIC PLATFORM**





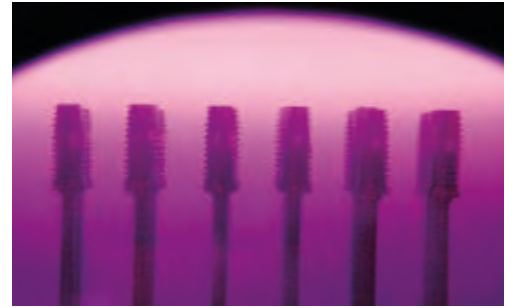
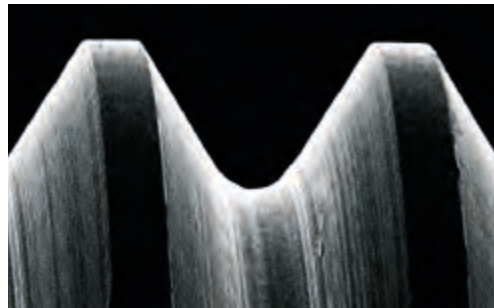
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# CORE V2 AND K-CORE V2 MATERIALS AND SURFACES

## RAW MATERIALS AND PRODUCTION

Bio Implant devices are manufactured using raw materials that are appropriately selected, tested and certified for medical use. Dental implants and prosthetic components are made exclusively of grade 4 titanium and grade 5 titanium alloy (Ti6Al4V), both of which comply with international standards (ASTM F67, ASTM 136) and are universally known for their excellent biocompatibility and mechanical properties.

Kristal uses the latest generation of CNC lathes for its production, which guarantee micrometric tolerances. Because of the importance of accuracy and compliance with design specifications, each production batch undergoes several 100% checks: both visual and by means of appropriate instrumentation.



## SURFACE TREATMENTS

In order to further improve the surface properties of titanium, Kristal envisaged the implementation of various treatments on the implant surface, which can effectively accelerate and promote the osseointegration processes. Implants must regularly pass strict inspections aimed at checking not only the level of cleanliness of the implants but also the morphological and topographical characteristics and the chemical composition of the surface, which will form the interface with the bone tissue. Regular analysis involves assessing the (quantitative and qualitative) chemical composition of the most superficial layers (5 nm depth) using XPS and observing the superficial morphology under a scanning electron microscope.

## DECONTAMINATION AND CLEAN ROOM PACKAGING

To ensure excellent cleanliness levels, the devices undergo a rigorous decontamination process which involves several washes to remove all contaminants from the surface. The reproducibility of the treatment and the optimisation of the process parameters allow this decontamination technique to be used with high quality standards on devices with complex geometry.

Decontamination, as well as the subsequent assembly and packaging stages, take place in an ISO 6 clean room, which ensures that the most delicate phases of the production process are carried out in an environment with particulate contamination control, which is constantly kept at pre-set levels in line with the current regulations. Our in-house cleanroom is one of Bio Implant's strong points, as all activities carried out there are governed by strict operating procedures and performed by highly qualified staff.

## STERILISATION

Sterilisation, one of the few outsourced activities, is carried out by a certified supplier. The implants are sterilised by gamma irradiation with a nominal dose of 25kGy; the efficiency of the process and the presence of a sealed package, which acts as a microbiological barrier, guarantee that its sterility and its conditions kept intact over time (5 years shelf life).

## HANDLING THE IMPLANT

The implant is directly taken from the sterile vial with direct handpiece or contra-angle connectors. The  $\varnothing$  2.9 mm implant keeps its pre-assembled mounting device that allows the operator to pick up and insert the implant using the manual or contra-angle screwdriver.



PACKAGING



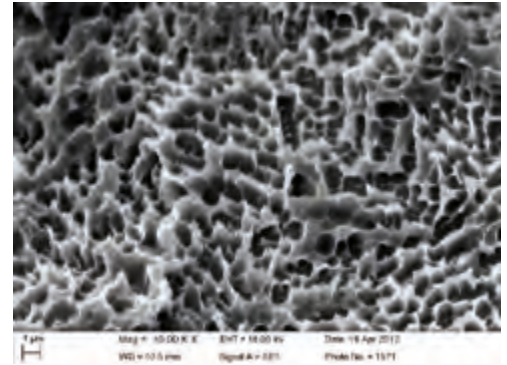
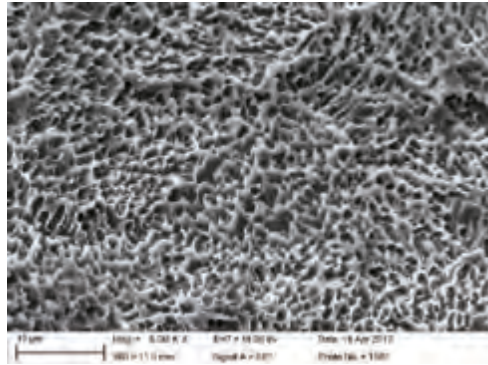
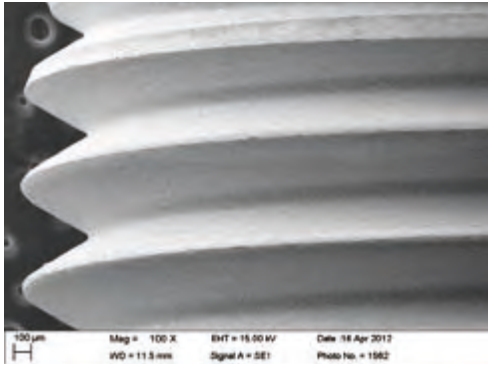
STERILE BLISTER



LABELLING

Titanium and its alloys have always been considered as materials of choice in dental implantology due to their excellent biocompatibility features and their behaviour with biological tissues. Seeking to further improve their properties, biomedical research developed a series of surface treatments that accelerate and promote osseointegration.

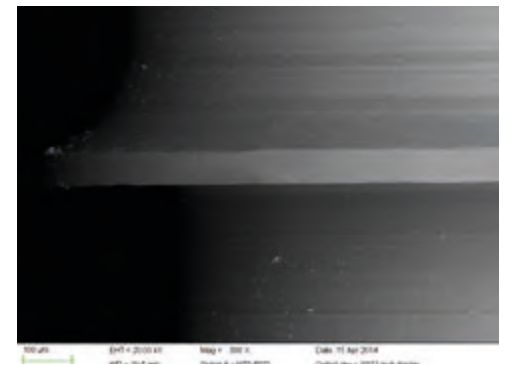
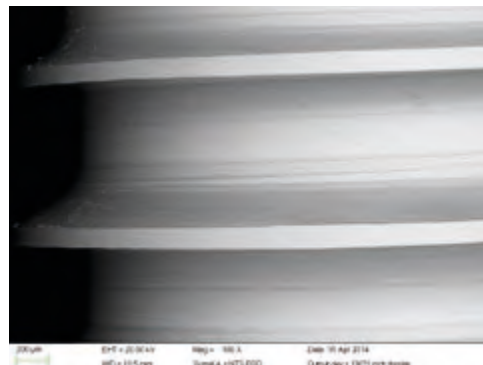
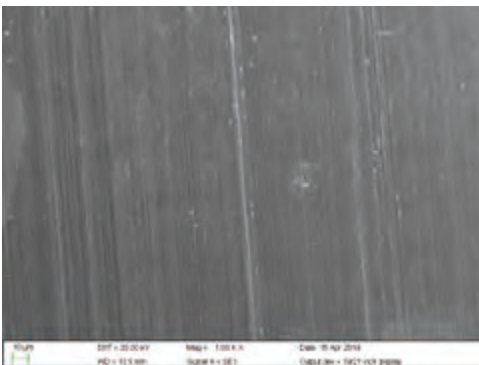
## CLASSIC AND TDE



The signature surface treatment of this line of products, Double Acid Etching (DAE), is available in two versions, Classic and TDE. The two versions simply differ in the height of the treatment level: TDE has a whole treatment, Classic excludes a portion of the neck leaving it stained. The surface has a micro rough surface morphology that increases the contact surface between bone and implant and reduces the waiting time for applying loads. Obtained through a subtractive process of double acid etching, this type of treatment provides the typical

microtopography that is the basis of modern implant surfaces. The surface irregularities are separated by micrometric distances, which makes them extremely efficient in platelet activation and retention of the clot in the implant site. The three-dimensional texture of this surface acts as a highly efficient sponge, which retains the growth factors and ensures a fast and favourable course of the bone healing process.

## SIMPLE



**Kristal** is proud to present the Simple surface that recalls the tradition and reliability of **partially treated** implant surfaces. The **Simple** surface is available for a selection of implants in the Core V2 line and aims to meet the demand for an easily cleanable surface in the event of bacterial infection and in the presence of peri-implantitis in the most appropriate way.

The **Simple** surface is decontaminated using Argon plasma and then packed in a clean room environment. The characteristics of the surfaces obtained in this way are constantly controlled thanks to modern technologies that allow us to document their undisputed quality.

# CORE V2 AND K-CORE V2 A SINGLE PLATFORM FOR ALL IMPLANT LINES

## INTRODUCTION OF THE BIO IMPLANT CORE V2 AND K-CORE V2 LINES

KRISTAL is proud to introduce the Core V2 and K-Core V2 internal hex implant solutions.

The term V2, which means "second version", is intended to symbolise the transition from the historic and reliable Bio Implant line with internal hexagon to a revised and updated one that meets the current needs of dentists and dental technicians.

The "V2" line, in fact, marks the achievement of Bio Implant's maturity: with unique features, it summarises the best knowledge in the field of implant prosthetics.

The Core V2 and K-Core V2 lines are the result of the development of mechanical concepts that are well established in the dental world and set the benchmark for implant surgery in terms of quality, ergonomics and a fair price.

The lines feature implants with variable incremental diameters all with the same platform and implant connection, to facilitate their use during the prosthetic stages.

Core V2 and K-Core V2 implants have a single prosthetic connection for all implant diameters, except for the CORE V2 Ø2.9 and K-CORE V2 Ø3.5 which have their own platform, allowing the interchangeability of prosthetic components.



CORE V2 Implant Ø 3.5 mm and K-CORE V2 Implant Ø 3.8 mm

## THREE EMERGENCY PROFILES FOR A BETTER PROSTHETIC SOLUTION

The prosthetic components are available in three different configurations (Narrow NR - Regular RG - Wide WD) with three emergence profiles to best meet the different aesthetic and functional requirements. The addition of new prosthetic components adapted to new dental technology completes the line, making it versatile in its applications.



**NARROW**

**REGULAR**

**WIDE**

## BENEFITS

- Same prosthetic platforms on all diameters (excluding CORE V2 Ø2.9 and K-CORE V2 Ø3.5 implants).
- Mount-free implant with ergonomic direct screwdriver which acts as driver and carrier (CORE V2 Ø2.9 and K-CORE V2 Ø3.5 implants are supplied with an attaching device that can be used as a transfer pick-up and straight abutment - MTA<sup>3</sup>).
- Available with Double Acid Etching (DAE) surface:
  - Classic (glossy neck),
  - TDE surface (complete treatment),
  - Simple Surface (variable treatment quota as a function of height).
- Extended range of available diameters and lengths.
- Interchangeable prosthetic components, available in three configurations:

### NARROW

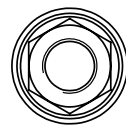
### REGULAR

### WIDE



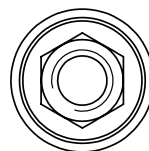
DIAMETERS	CORE V2
CORE V2 Ø 2.9	
CORE V2 Ø 3.5	
CORE V2 Ø 3.75	
CORE V2 Ø 4.2	
CORE V2 Ø 4.7	
CORE V2 Ø 5.2	

DIAMETERS	K-CORE V2
K-CORE V2 Ø 3.5	
K-CORE V2 Ø 3.8	
K-CORE V2 Ø 4.2	
K-CORE V2 Ø 4.5	
CORE V2 Ø 5.5	



**IMPLANT CONNECTION  
CORE V2 Ø 2.9 AND K-CORE V2 Ø 3.5**

Dedicated platform Ø 3.4 mm



**STANDARDISED CONNECTION**

Standard platform Ø 3.5 mm with 45° conical seal for all diameters of the core V2 and K-Core V2 line (excluding CORE V2 Ø 2.9 implants and K-CORE V2 Ø 3.5 implant).

**INDICATIONS FOR IMPLANT TREATMENT**

The Bio Implant implant-prosthetic was designed with innovative features for treating single, multiple and complete edentulism. The operating method and instrumentation are designed to achieve that particular intimate contact between bone tissue and implant, which we know as osseointegration.

**GENERAL PROTOCOLS FOR THE APPROACH TO IMPLANT THERAPY**

**ANAMNESIS:**

- Health status of the patient
- Patient motivations and expectations with regard to implantology
- Patient habits: smoking, alcohol use any other bad habit
- Parafunctions
- Oral hygiene skills
- Residual dental and periodontal condition
- Occlusal condition of the patient

A correct assessment of these factors is a key factor for a basic predictability of the result. The presence of severe dysmetabolic diseases such as particular forms of diabetes, or dysmetabolic forms of calcium-phosphorus exchange, serious forms of osteoporosis, localised dimensional insufficiency of bone tissue, make the patient unsuitable for implant treatment.

Heart diseases, kidney failure, use of anticoagulants or haemophilia and allergies may be limiting factors for the use of implants or, in any case, they are all cases to be carefully assessed and followed up with the branch specialist.

**RADIOGRAPHIC AND CLINICAL EXAMINATION**

- Appropriate radiographic investigations (intraoral X-ray-orthopantomography-CAT SCAN ) in order to analyse the skeletal features of jaws
- Dimensional ratios of face, smile and aesthetics
- Study models and diagnostic wax-ups

A distinction should be made:

- Complete edentulism
- Partial edentulism
- Anterior edentulism
- Distal edentulism
- Atrophies
- Position of the alveolar nerve
- Maxillary sinus and nasal cavities
- Nasopalatine nerve
- premaxillary interactions

**DRAWING THE IMPLANT PROJECT**

Based on the elements collected during the objective examination and instrumental investigations, it is advisable to draw the planned implant project also with the help of a panoramic X-ray, indicating in addition to the measurements of the chosen implant, the thickness and height of the alveolar ridge. The resulting drawing will allow an immediate overview of the patient's situation both to re-evaluate the case in the period before and during the procedure.

**CONTRAINDICATIONS TO IMPLANT TREATMENT**

- Recent high-dose radiotherapy
- Psychological disorders
- Altered metabolism
- Lack of motivation
- ANY mucous and bone lesions should be treated before placing the implants
- Post-operative treatment

Pharmacological therapies are administered at the clinician's discretion.

Rinses with chlorhexidine 0.2% products, an ice pack on the outside of the treated area (on the cheek) at 10 to 15 minute intervals can reduce post-operative oedema. Have regular check-ups with a specialist.

**PREPARATION OF THE SURGICAL SITE - PERFORATION TECHNIQUE**

The implant site preparation technique must be performed in a way that is atraumatic to the bone tissue. In particular, it is important to remember that during perforation, the heat produced must not exceed a temperature of 43°C, as this would trigger a process of denaturation of the proteins in the bone tissue with a consequent negative outcome for the healing of the site itself; in fact, the subsequent necrosis and formation of fibrous connective tissue would compromise osseointegration leading to the loss of the implant. Correct preparation of the implant site is achieved by sequential passes of calibrated drills with incremental diameters, using controlled speeds and irrigation with physiological solution. The drills must be driven by a contra-angle handpiece connected to a micromotor and an implantology unit with torque control, which allows adjustment of the rotation speed of the drill and operation of the irrigation pump in a sterile circuit.

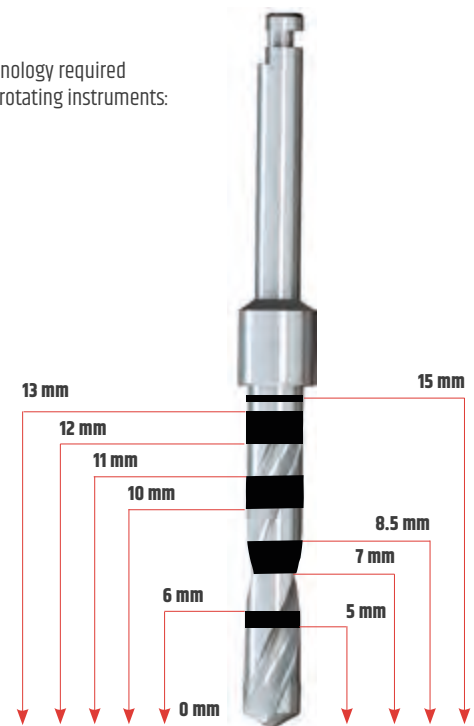
**TABLE OF SUGGESTED SPEEDS**

<b>INITIAL DRILL</b> 800-1000 rpm	<b>Ø 2 mm DRILL</b> 200-600 rpm	<b>DRILL</b> 200-300 rpm
<b>COUNTERSINK</b> 100-200 rpm	<b>TAPPER</b> 30 rpm 40-70 Ncm	<b>IMPLANT</b> 15-40 rpm 25-45 Ncm

**MAIN FEATURES OF BIO IMPLANT DRILLS**

Bio Implant developed the technology required for producing very high quality rotating instruments:

- High-impact cutting bit with triple sharpening with differentiated corners
- Laser technology for coding the millimetric markers for a better visibility
- Increased resistance of cutting bit



## USE OF THE COUNTERSINK WITH DEPTH STOP FOR CORE V2

### Countersink with depth stop - Image 1

The use of the countersink with depth stop is recommended for flush implant placement (Classic and Simple surfaces).

### Countersink without depth stop - Image 2

The countersink without depth stop allows implants to be placed below the cortical surface. The countersink should be used after the end drill and inserted until the marker is no longer visible.

TDE implants MUST be inserted with the COUNTERSINK WITHOUT DEPTH STOP.



Image 1  
Countersink with depth stop



Image 2  
Countersink without depth stop

## TA2 DEVICE (PICK-UP TRANSFER / STRAIGHT ABUTMENT)

Ti Gr4 device that can be used as a transfer for the pick-up technique, using the dedicated screw and as a temporary straight abutment. Screws are included in the sales package.



TA2 device  
used as  
Transfer Pick up



TA2 device  
used as Temporary  
straight abutment

IMPLANTS		NARROW	REGULAR
	CODE		V2 TP MD NR
CORE V2		Ø 3.5 mm / Ø 3.75 mm	Ø 4.2 mm / Ø 4.7 mm / Ø 5.2 mm
K-CORE V2		Ø 3.8 mm / Ø 4.2 mm	Ø 4.5 mm / Ø 5.5 mm

### TRANSFER SCREW



PLATFORM	
Ø 3.4	VTT
Ø 3.5	

### TITANIUM PROSTHETIC SCREW (LABORATORY)



PLATFORM	1 PCS.	4 PCS.
Ø 3.4	VTP 29	VTP 29-4
Ø 3.5	VTP	VTP-4

### DEFINITIVE TITANIUM PROSTHETIC SCREW (DLC-COATED HEAD)



PLATFORM	
Ø 3.4	VTPD 29
Ø 3.5	VTPD

# IMPLANTS AND INDICATIONS

## CORE V2 INTERNAL HEXAGON CYLINDRICAL IMPLANTS

CORE V2 cylindrical implants are available with two different surface types:

**SIMPLE - CLASSIC Surface**

DIAMETERS		SIMPLE			CLASSIC	
		COLOUR CODE	TOTAL HEIGHT	CODE		CODE
<b>CORE V2 Ø 2.9</b> Neck Ø 3.4 mm Coils Ø 2.9 mm Platform Ø 3.4 mm Apex Ø 2.3 mm			8.5 mm	-		V2 IC 2985-C
			10 mm	-		V2 IC 2910-C
			12 mm	-		V2 IC 2912-C
			13 mm	-		V2 IC 2913-C
			15 mm	-		V2 IC 2915-C
<b>CORE V2 Ø 3.5</b> Neck Ø 3.8 mm Coils Ø 3.5 mm Platform Ø 3.5 mm Apex Ø 2.6 mm			8.5 mm	-		V2 IC 3585-C
			10 mm	V2 IC 3510-S		V2 IC 3510-C
			12 mm	V2 IC 3512-S		V2 IC 3512-C
			13 mm	V2 IC 3513-S		V2 IC 3513-C
			15 mm	-		V2 IC 3515-C
<b>CORE V2 Ø 3.75</b> Neck Ø 4.2 mm Coils Ø 3.75 mm Platform Ø 3.5 mm Apex Ø 2.8 mm			7 mm			V2 IC 3770-C
			8.5 mm	V2 IC 3785-S		V2 IC 3785-C
			10 mm	V2 IC 3710-S		V2 IC 3710-C
			12 mm	V2 IC 3712-S		V2 IC 3712-C
			13 mm	V2 IC 3713-S		V2 IC 3713-C
15 mm	V2 IC 3715-S		V2 IC 3715-C			
<b>CORE V2 Ø 4.2</b> Neck Ø 4.5 mm Coils Ø 4.2 mm Platform Ø 3.5 mm Apex Ø 3.3 mm			7 mm			V2 IC 4270-C
			8.5 mm	V2 IC 4285-S		V2 IC 4285-C
			10 mm	V2 IC 4210-S		V2 IC 4210-C
			12 mm	V2 IC 4212-S		V2 IC 4212-C
			13 mm	V2 IC 4213-S		V2 IC 4213-C
15 mm	V2 IC 4215-S		V2 IC 4215-C			
<b>CORE V2 Ø 4.7</b> Neck Ø 5 mm Coils Ø 4.7 mm Platform Ø 3.5 mm Apex Ø 3.7 mm			7 mm			V2 IC 4770-C
			8.5 mm	V2 IC 4785-S		V2 IC 4785-C
			10 mm	V2 IC 4710-S		V2 IC 4710-C
			12 mm	V2 IC 4712-S		V2 IC 4712-C
			13 mm	V2 IC 4713-S		V2 IC 4713-C
15 mm	V2 IC 4715-S		V2 IC 4715-C			
<b>CORE V2 Ø 5.2</b> Neck Ø 5.5 mm Coils Ø 5.2 mm Platform Ø 3.5 mm Apex Ø 4.2 mm			8.5 mm	-		V2 IC 5285-C
			10 mm	-		V2 IC 5210-C
			12 mm	-		V2 IC 5212-C
			13 mm	-		V2 IC 5213-C





UPPER	CORE V2 Ø 2.9	CORE V2 Ø 3.5	CORE V2 Ø 3.75	CORE V2 Ø 4.2	CORE V2 Ø 4.7	CORE V2 Ø 5.2
CENTRAL INCISORS	●	●	●	●	●	●
LATERAL INCISORS	●	●	●	●	●	●
CANINES	●	●	●	●	●	●
PREMOLARS	●	●	●	●	●	●
MOLARS	●	●	●	●	●	●
LOWER	CORE V2 Ø 2.9	CORE V2 Ø 3.5	CORE V2 Ø 3.75	CORE V2 Ø 4.2	CORE V2 Ø 4.7	CORE V2 Ø 5.2
CENTRAL INCISORS	●	●	●	●	●	●
LATERAL INCISORS	●	●	●	●	●	●
CANINES	●	●	●	●	●	●
PREMOLARS	●	●	●	●	●	●
MOLARS	●	●	●	●	●	●

● Optimal use      ● Not recommended use      ● Discretionary use



## HEALING ABUTMENT

PLATFORM	TRANSMUCOSAL HEIGHT	NARROW	REGULAR	WIDE
Ø 3.5 (single)	h 2 mm	V2 PGNR2	V2 PGRG2	V2 PGWD2
	h 4 mm	V2 PGNR4	V2 PGRG4	V2 PGWD4
	h 6 mm	V2 PGNR6	V2 PGRG6	V2 PGWD6

PLATFORM	TRANSMUCOSAL HEIGHT	STANDARD PROFILE
Ø 3.4 (for CORE V2 implants Ø 2.9 and K-CORE V Ø 3.5)	h 2 mm	V2 PG292
	h 4 mm	V2 PG294
	h 6 mm	V2 PG296

# CORE V2 SURGICAL PROCEDURES

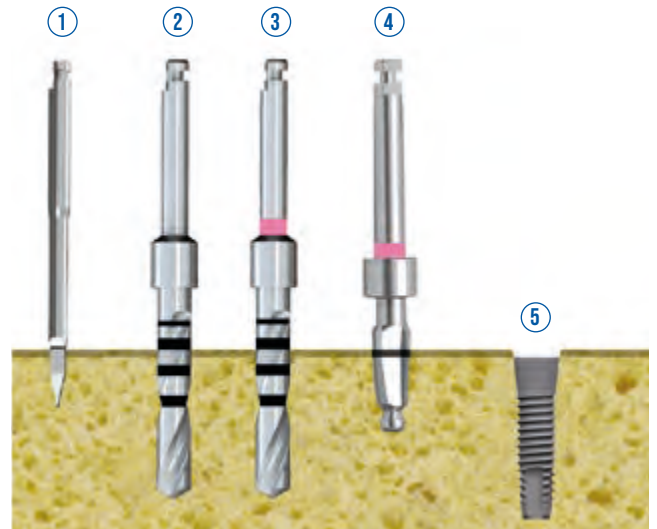


## CORE V2 Ø 2.9\*

**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 2.5 mm end drill
- ④ Ø 2.9 mm countersink drill
- ⑤ implant insertion

**Note:** Use the taper if required in D1-D2 bone before placing the implant

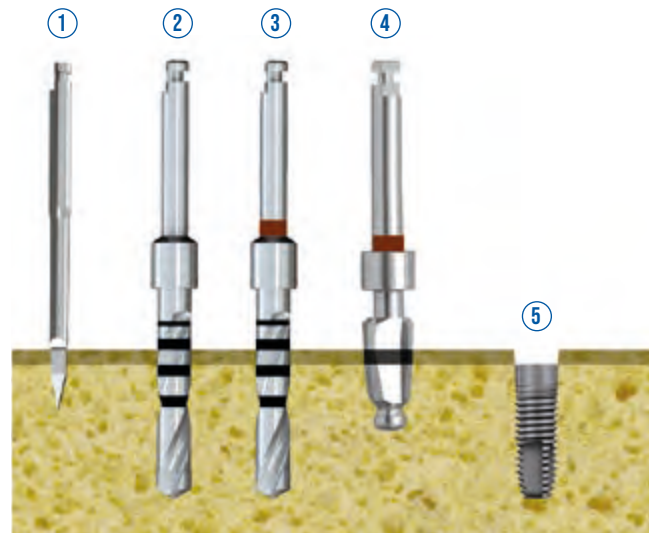


## CORE V2 Ø 3.5\*

**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 2.8 mm end drill
- ④ Ø 3.5 mm countersink drill
- ⑤ implant insertion

**Note:** Use the taper if required in D1-D2 bone before placing the implant

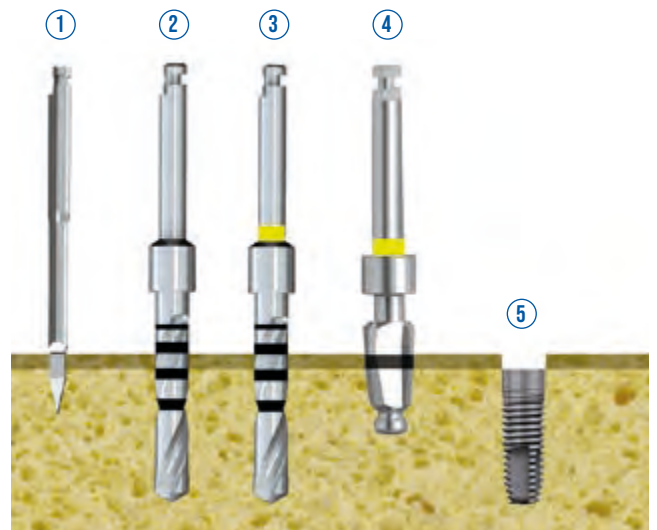


## CORE V2 Ø 3.75\*

**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 3 mm end drill
- ④ Ø 3.75 mm countersink drill
- ⑤ implant insertion

**Note:** Use the taper if required in D1-D2 bone before placing the implant



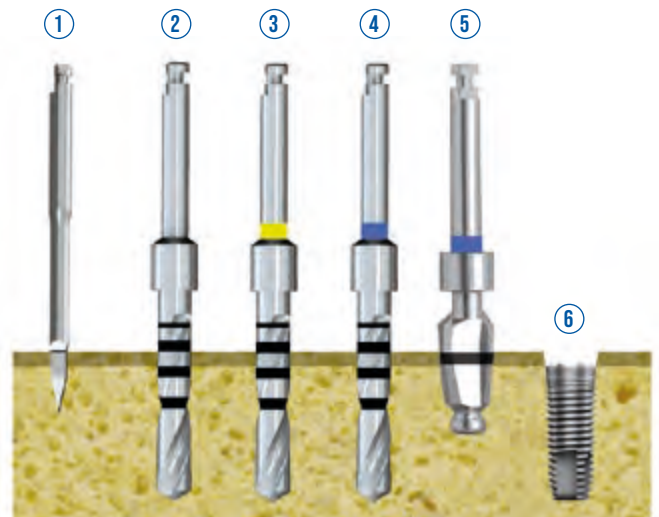
### CORE V2 Ø 4.2 \*



**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 3 mm drill
- ④ Ø 3.65 mm end drill
- ⑤ Ø 4.2 mm countersink drill
- ⑥ implant insertion

**Note:** Use the taperer if required in D1-D2 bone before placing the implant



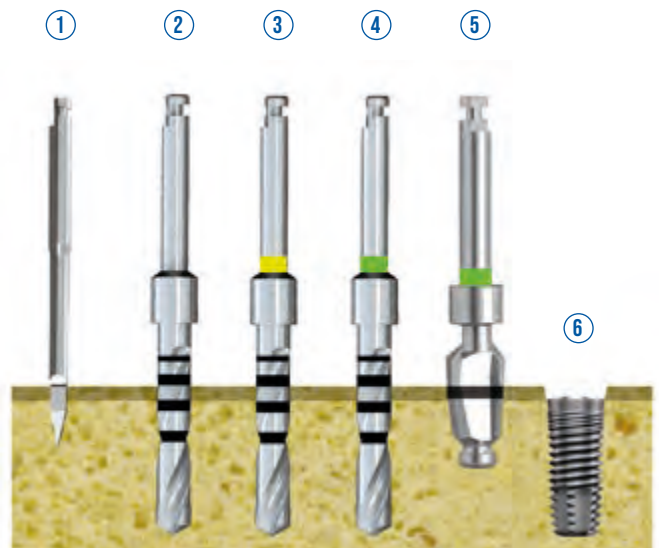
### CORE V2 Ø 4.7 \*



**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 3 mm drill
- ④ Ø 3.85 mm end drill
- ⑤ Ø 4.7 mm countersink drill
- ⑥ implant insertion

**Note:** Use the taperer if required in D1-D2 bone before placing the implant



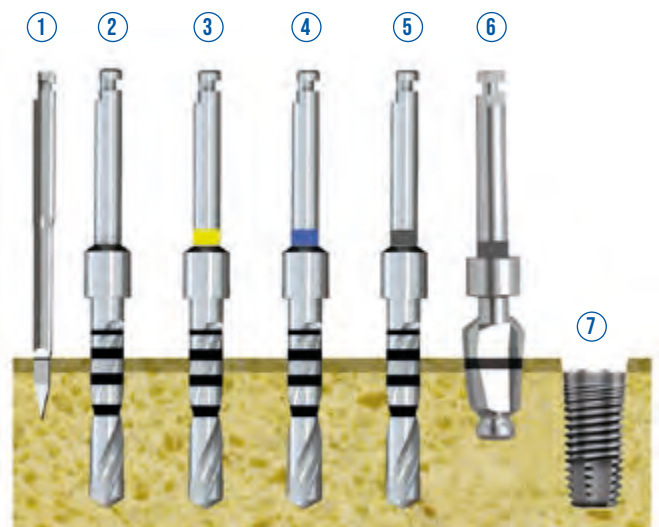
### CORE V2 Ø 5.2 \*



**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 3 mm drill
- ④ Ø 3.65 mm drill
- ⑤ Ø 4.20 mm drill
- ⑥ Ø 5.2 mm countersink drill
- ⑦ implant insertion

**Note:** Use the taperer if required in D1-D2 bone before placing the implant













\* The indications given in this section are not intended to replace the necessary training and knowledge of operators, nor their personal experience.

# IMPLANTS AND INDICATIONS

## INDICATIONS FOR K-CORE V2 INTERNAL HEXAGON CONICAL IMPLANTS

K-CORE V2 conical implants are available with two different surface treatments:

**CLASSIC - TDE Surface**

DIAMETERS		COLOUR CODE	TOTAL HEIGHT	CLASSIC CODE	TDE CODE
<b>K-CORE V2 Ø 3.5</b> Neck Ø 3.5 mm Platform Ø 3.5 mm Apex Ø 1.6 mm			10 mm	V2 IK3510-C	-
			12 mm	V2 IK3512-C	-
			13 mm	V2 IK3513-C	-
			15 mm	V2 IK3515-C	-
<b>K-CORE V2 Ø 3.8</b> Neck Ø 3.8 mm Platform Ø 3.5 mm Apex Ø 1.6 mm			8.5 mm	V2 IK3885-C	V2 IK3810-T
			10 mm	V2 IK3810-C	V2 IK3812-T
			12 mm	V2 IK3812-C	V2 IK3813-T
			13 mm	V2 IK3813-C	V2 IK3815-T
			15 mm	V2 IK3815-C	
17 mm	V2 IK3817-C				
<b>K-CORE V2 Ø 4.2</b> Neck Ø 4.2 mm Platform Ø 3.5 mm Apex Ø 1.8 mm			8.5 mm	V2 IK4285-C	V2 IK4210-T
			10 mm	V2 IK4210-C	V2 IK4212-T
			12 mm	V2 IK4212-C	V2 IK4213-T
			13 mm	V2 IK4213-C	V2 IK4215-T
			15 mm	V2 IK4215-C	
17 mm	V2 IK4217-C				
<b>K-CORE V2 Ø 4.5</b> Neck Ø 4.5 mm Platform Ø 3.5 mm Apex Ø 2.2 mm			10 mm	V2 IK4510-C	V2 IK4510-T
			12 mm	V2 IK4512-C	V2 IK4512-T
			13 mm	V2 IK4513-C	V2 IK4513-T
			15 mm	V2 IK4515-C	V2 IK4515-T
<b>K-CORE V2 Ø 5.5</b> Neck Ø 5.5 mm Platform Ø 3.5 mm Apex Ø 2.9 mm			10 mm	V2 IK5510-C	V2 IK5510-T
			12 mm	V2 IK5512-C	V2 IK5512-T
			13 mm	V2 IK5513-C	V2 IK5513-T
			15 mm	V2 IK5515-C	

# IMPLANTS AND INDICATIONS

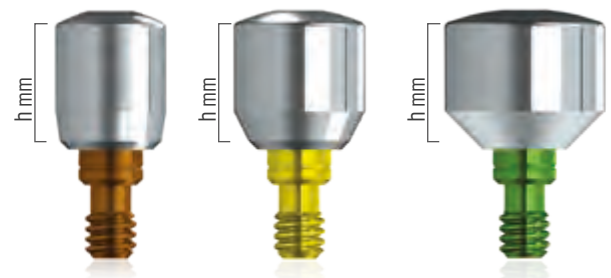
## INDICATIONS FOR K-CORE V2 INTERNAL HEXAGON IMPLANTS

UPPER	Ø 3.5	Ø 3.8	Ø 4.2	Ø 4.5	Ø 5.5
CENTRAL INCISORS	●	●	●	●	●
LATERAL INCISORS	●	●	●	●	●
CANINES	●	●	●	●	●
PREMOLARS	●	●	●	●	●
MOLARS	●	●	●	●	●
LOWER	Ø 3.5	Ø 3.8	Ø 4.2	Ø 4.5	Ø 5.5
CENTRAL INCISORS	●	●	●	●	●
LATERAL INCISORS	●	●	●	●	●
CANINES	●	●	●	●	●
PREMOLARS	●	●	●	●	●
MOLARS	●	●	●	●	●

● Optimal use    ● Not recommended use    ● Discretionary use

# IMPLANTS AND INDICATIONS

## HEALING ABUTMENT



TRANSMUCOSAL HEIGHT	NARROW	REGULAR	WIDE
h 2 mm	V2 PGNR2	V2 PGRG2	V2 PGWD2
h 4 mm	V2 PGNR4	V2 PGRG4	V2 PGWD4
h 6 mm	V2 PGNR6	V2 PGRG6	V2 PGWD6

PLATFORM	TRANSMUCOSAL HEIGHT	STANDARD PROFILE
Ø 3.4 (for CORE V2 Ø 2.9 and K-CORE V2 Ø 3.5 implants)	h 2 mm	V2 PG292
	h 4 mm	V2 PG294
	h 6 mm	V2 PG296

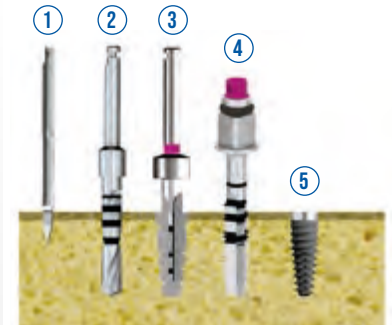


**K-CORE V2 Ø 3.5 \***

**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 3.5 mm drill
- ④ Ø 3.5 mm taper
- ⑤ implant insertion

**Note:** Do not use the taper in the presence of poor quality bone (D4)

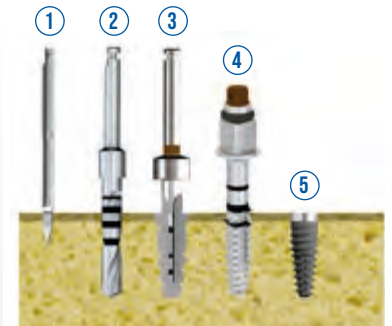


**K-CORE V2 Ø 3.8 \***

**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 3.8 mm drill
- ④ Ø 3.8 mm taper
- ⑤ implant insertion

**Note:** Do not use the taper in the presence of poor quality bone (D4)



**K-CORE V2 Ø 4.2 \***

**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 3.8 mm drill
- ④ Ø 4.2 mm drill
- ⑤ Ø 4.2 mm taper
- ⑥ implant insertion

**Note:** Do not use the taper in the presence of poor quality bone (D4)



**K-CORE V2 Ø 4.5 \***

**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 3.8 mm drill
- ④ Ø 4.2 mm drill
- ⑤ Ø 4.5 mm drill
- ⑥ Ø 4.5 mm taper
- ⑦ implant insertion

**Note:** Do not use the taper in the presence of poor quality bone (D4)



**K-CORE V2 Ø 5.5 \***

**Key:**

- ① initial drill
- ② Ø 2 mm drill
- ③ Ø 4.2 mm drill
- ④ Ø 4.5 mm drill
- ⑤ Ø 5.5 mm drill
- ⑥ Ø 5.5 mm taper
- ⑦ implant insertion

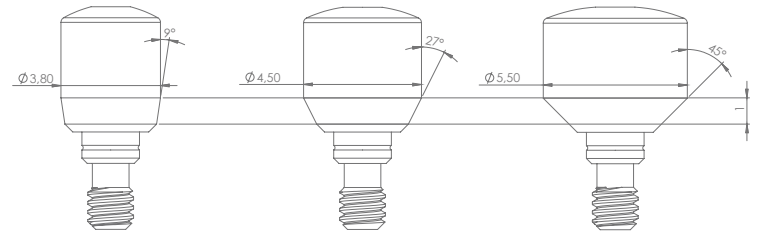
**Note:** Do not use the taper in the presence of poor quality bone (D4)



\* For the TDE surface, place the implant at least 0.5 mm below the bone crest.  
The indications given in this section are not intended to replace the necessary training and knowledge of operators, nor their personal experience.

# CORE V2 K-CORE V2 PROSTHETIC COMPONENTS

Prosthetic components, with the exception of the Ø 3.4 platform (fuchsia), come in three different configurations and three different colours as specified below:



The NARROW line has a "narrow" emergence profile, suitable for the rehabilitation of crowns with the same characteristics (lower incisors, premolars)

The REGULAR line has a "medium" emergence profile suitable for the rehabilitation of crowns with the same characteristics (upper incisors, canines, premolars)

The WIDE line provides a "wide" emergence profile suitable for the rehabilitation of crowns requiring the same characteristics (molars)

Each line includes transfers and abutments with the same emergence profile (Narrow, Regular and Wide) in order to condition soft tissue healing, impression taking and prosthetic restoration. It is therefore mandatory to use all components belonging to the same "configuration": healing abutment, impression transfer and abutment. The use of a configuration of mixed components (NR-RG-WD) is not recommended.

## RECOMMENDED USE OF PROSTHETIC COMPONENTS

	NARROW						REGULAR						WIDE					
<b>K-CORE V2 Ø 3.5</b>	<b>K-CORE V2 Ø 3.8</b>	<b>K-CORE V2 Ø 4.2</b>	<b>K-CORE V2 Ø 4.5</b>			<b>K-CORE V2 Ø 5.5</b>												
<b>CORE V2 Ø 2.9</b>	<b>CORE V2 Ø 3.5</b>	<b>CORE V2 Ø 3.75</b>	<b>CORE V2 Ø 4.2</b>			<b>CORE V2 Ø 4.7</b>										<b>CORE V2 Ø 5.2</b>		

## COLOUR CODING

For Core V2 and K-Core V2 lines, the colour coding is the following:

- Colouring of the labels displayed on implant packaging and prosthetic components
- Colouring of prosthetic components based on emergency profiles (narrow - regular - wide)
- Application of colour rings on dedicated drills

### IMPLANTS

CORE V2	K-CORE V2	COLOUR
Ø 2.9	Ø 3.5	FUCHSIA
Ø 3.5	Ø 3.8	BRONZE
Ø 3.75	Ø 4.2	YELLOW
Ø 4.2	Ø 4.5	BLUE
Ø 4.7	-	GREEN
Ø 5.2	Ø 5.5	GREY

### PROSTHETIC COMPONENTS

PROFILES	COLOUR
Ø 3.4	FUCHSIA
NARROW	BRONZE
REGULAR	YELLOW
WIDE	GREEN

## PICK-UP TECHNIQUE IMPRESSION TRANSFER (OPEN TRAY)



PLATFORM	NARROW	REGULAR	WIDE
Ø 3.5 (single)	V2 TPNR	V2 TPRG	V2 TPWD
PLATFORM	STANDARD PROFILE		
Ø 3.4 (for CORE V2 Ø 2.9 and K-CORE V2 Ø 3.5 implants)	V2 TP29		

- After removing the healing abutment or the provisional prosthesis, carefully place the transfer onto the implant ensuring that it is housed correctly, tighten it with the transfer screw to lock it in its position.
- Test the individual tray size for interference when inserting and removing the tray.
- The individual tray, which the laboratory will have previously
- performed at the implants' position, may need further adjustments to eliminate any interference during positioning and removal of the tray itself.
- Fill the tray with the chosen material and place it carefully in the mouth, taking care that the transfer screws protrude from the holes drilled in the individual tray.
- After the impression material is settled, unscrew and remove the
- transfer screws and remove the impression following the axis of insertion; the transfers will remain embedded in the impression material.
- The dental technician will place laboratory analogs on the transfers, secure them with the transfer screws by repositioning them "in the holes" of the perforated tray and then cast the master model according to the chosen technique.

## PULL-UP TECHNIQUE IMPRESSION TRANSFER (CLOSED TRAY)



PLATFORM	NARROW	REGULAR	WIDE
Ø 3.5 (single)	V2 TSNR	V2 TSRG	V2 TSWD
PLATFORM	STANDARD PROFILE		
Ø 3.4 (for implants Ø 2.9) and K-CORE V2 Ø 3.5)	V2 TS29		

- After removing the healing abutment or provisional prosthesis, carefully place the transfer onto the implant, ensuring that it is seated correctly and tighten it with the specific screw to secure it in place.
- Choose the standard tray, try it without material to ensure that there is no interference and continue with impression.
- After the material is settled, remove the tray following the axis of insertion; the transfers will remain anchored to the implants.
- Remove the transfers by unscrewing the specific screw and deliver them to the laboratory, separated from the impression.
- The laboratory will place a laboratory analog corresponding to
- the implant used on each pull-up transfer and then place the assembled transfer and laboratory analog in the impression. It will then develop the master model according to the chosen technique.

## PICK-UP REMOVABLE IMPRESSION TRANSFER



DESCRIPTION	CODE
Short	V2 TSF-S
Standard	V2 TSF

## LABORATORY ANALOG



PLATFORM	UNIQUE
Ø 3.5 (single)	V2 AL
PLATFORM	STANDARD PROFILE
Ø 3.4	V2 AL29

**Note:** Reusing the analog several times is not recommended

**PEEK ABUTMENT FOR PROVISIONAL SOLUTIONS**



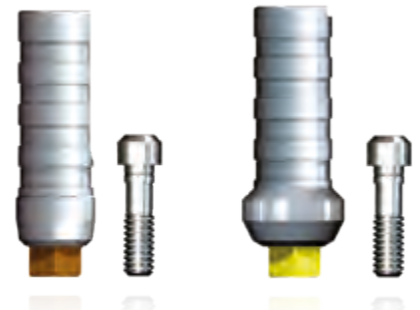
PLATFORM	NARROW	REGULAR
Ø 3.5 (single)	V2 MPNR-P	MPRG-P

**TITANIUM CYLINDER WITHOUT ROTATIONAL HEXAGON\***



PLATFORM	NARROW	REGULAR
Ø 3.5 (single)	V2 CPNR-TR	V2 CPRG-TR
PLATFORM	STANDARD PROFILE	
Ø 3.4 (for Ø 2.9 implants, for CORE V2 implants Ø 2.9 and K-CORE V2 Ø 3.5)	V2 CP29-TR	

**TITANIUM CYLINDER WITH NON-ROTATIONAL HEXAGON**



PLATFORM	NARROW	REGULAR
Ø 3.5 (single)	V2 CPNR-T	V2 CPRG-T



**FINISHING TITANIUM ABUTMENT \***

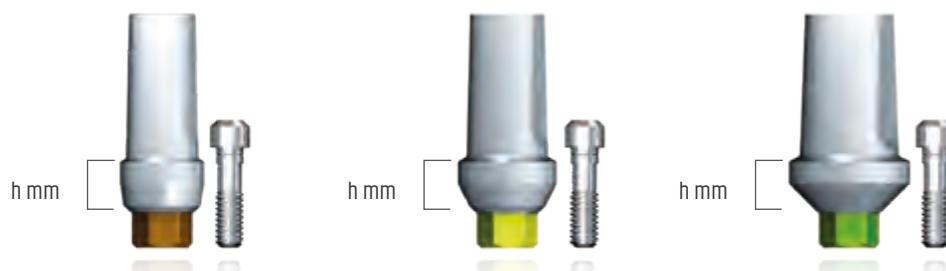
PLATFORM	HEIGHT	SINGLE
Ø 3.5 (single)	h 9 mm	V2 MF9
	h 10 mm	V2 MF10
	h 11 mm	V2 MF11

Note: use definitive prosthetic screws for final tightening of the prostheses.

\* Ideal tightening torque for titanium prosthetic screw: 25 Ncm



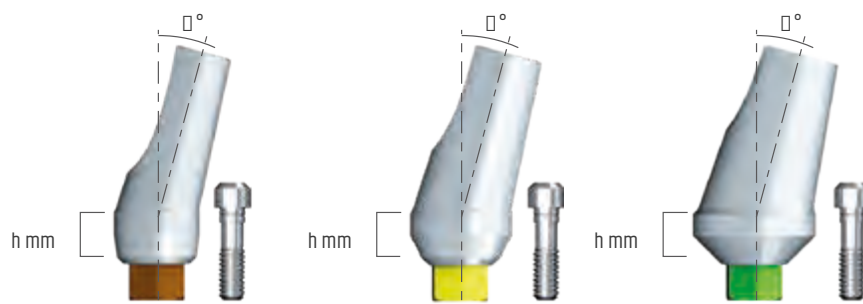
## STRAIGHT TITANIUM ABUTMENT \*



PLATFORM	HEIGHT	NARROW	REGULAR	WIDE
Ø 3.5 (single)	h 2 mm	V2 MDNR2	V2 MDRG2	V2 MDWD2
	h 4 mm	V2 MDNR4	V2 MDRG4	V2 MDWD4

PLATFORM	HEIGHT	STANDARD PROFILE
Ø 3.4 (for implants Ø 2.9, for CORE V2 Ø 2.9 and K-CORE V2 Ø 3.5 implants)	h 2 mm	V2 MD292
	h 4 mm	V2 MD294

## PRE-ANGLED TITANIUM ABUTMENT \*



PLATFORM	ANGLE	HEIGHT	NARROW	REGULAR	WIDE
Ø 3.5 (single)	15°	h 2 mm	V2 MANR2-15	V2 MARG2-15	V2 MAWD2-15
		h 4 mm	V2 MANR4-15	V2 MARG4-15	-
	25°	h 2 mm	V2 MANR2-25	V2 MARG2-25	V2 MAWD2-25
		h 4 mm	V2 MANR4-25	V2 MARG4-25	-

PLATFORM	ANGLE	HEIGHT	STANDARD PROFILE
Ø 3.4 (for CORE V2 Ø 2.9 and K-CORE V2 Ø 3.5 implants)	15°	h 2 mm	V2 MA292-15
		h 4 mm	V2 MA294-15



## CALCINABLE ABUTMENT\*

PLATFORM	CONNECTION	NARROW	REGULAR
Ø 3.5 (single)	with hexagon (non-rotational)	V2 MCNR	MCRG
	without hexagon (rotational)	V2 MCNR-R	-

PLATFORM	CONNECTION	STANDARD PROFILE
Ø 3.4 (for CORE V2 Ø 2.9 and K-CORE V2 Ø 3.5 implants)	with hexagon (non-rotational)	MC29
	without hexagon (rotational)	MC29-R

## ABUTMENT FOR BONDING\*

PLATFORM	CONNECTION	REGULAR
Ø 3.5 (single)	with hexagon (non-rotational)	V2 MI
	without hexagon (rotational)	V2 MI-R



For the fabrication of full crowns made of lithium disilicate and/or feldspar, the calcinable cylinder modelled with scan wax can be used. The crowns thus obtained must be bonded to the Titanium cylinder with dedicated cements.



## ABUTMENT FOR BARS\*

It enables the fabrication of anchoring structures for removable prostheses on implants.

It consists of three components suitable for providing anchorage bars for overdentures:

- small titanium base with anti-rotational connection
- calcinable cannula
- through screw

Indications for use:

- Place the titanium bases on the model at the implant sites, screw the calcinable cannulae onto the bases and carry out the modelling and casting the finished structure.
- Once the structure is made, place the titanium bases on the implants, checking the accuracy of the engagement and continue with the screwing of the anchorage bar.

PLATFORM	HEIGHT	NARROW
Ø 3.5 (single)	h 2 mm	V2 MB NR-2
	h 4 mm	V2 MB NR-4

PLATFORM	HEIGHT	STANDARD PROFILE
Ø 3.4 (for CORE V2 implants Ø 2.9 and K-CORE V2 Ø 3.5)	h 2 mm	MB292
	h 4 mm	MB294

## CALCINABLE ABUTMENT COBALT CHROME BASE

### PROCESSING

The CoCr cast-on abutment and its calcinable portion consist of a metal cast-on alloy base and a calcinable cap. The white calcinable part can be cut and shortened as required. If a part of the white calcinable material is left untouched, it should be in any case covered with a thin layer of wax in order to avoid possible cracks in the coating due to the expansion of the material when the cylinder is overheated. Customisation and modelling will be carried out in the usual dental technique using wax or calcinable resins. The calcinable portion is deliberately separated from the metal portion to allow wax to be poured into it in a very fluid form, so as to perfectly trace the closing edge between the two components. In order to avoid the classic line between the two metals after casting, a "seam" by laser welding of the two metals should be taken in consideration; it is important to keep the minimum wall thickness above 0.4 mm. The connection and closure portion between the abutment and the implant must be absolutely free of any resin, wax or grease residues in order to avoid any cast-on in this area, which must not be affected by the new metal.

### COATING

It is advisable to use only phosphate-bonded, i.e. gypsum-free, coatings suitable for casting metal-based alloys. Air bubbles must not form during the casting of the coating, as these can create defects or points of reduced mechanical strength.

### PREHEATING

It is good practice to follow the instructions of the coating and alloy manufacturer, whose directions/advice are the result of experience and research, so it is worth following them. The final temperature must be maintained: a 3x cylinder must be kept at temperature for 45 minutes to ensure that the casting is complete in all its parts.

### MELTING OR CASTING

To avoid problems with the metal base, avoid going above 1390°C during casting.

### COOLING

Allow the cylinder to cool to room temperature, because too rapid cooling may lead to stresses in the metal and thus problems.

	ISO 5832-12 (%)
Carbon (C)	0,045
Silicon (Si)	0,39
Manganese (Mn)	0,43
Chromium (Cr)	27,76
Nickel (Ni)	0,17
Iron (Fe)	0,45
Nitrogen (N)	0,18
Molybdenum (Mo)	5,08
Cobalt (Co)	Remainder



CODE	DESCRIPTION
FA-BN-00	CrCo base abutment with straight castable cylinder
FA-BN-01	CrCo base abutment with straight rotational castable cylinder
FA-TR-00	Prosthetic screw with CrCo base straight (spare)
PH-20-25	Screwdriver hexagon Ø1.20 H.25
ADMA	Manual adapter for contra-angle keys

### CYLINDER OPENING

After the temperature has fallen, carry out the opening of the cylinder: gently remove the coating, possibly with the help of glass beads, with a maximum pressure of 2 bar; higher pressures may change the connection of the CoCr base and make it less accurate.

Never use hydrofluoric acid to remove the coating!

Never sandblast the implant connection.

### FINISHING

Once cast, abutment can be finished with ceramic-bonded stones/discs or cross-tooth tungsten carbide burs. To protect the connection during finishing, the abutment must be mounted on a laboratory analog. Never use hydrofluoric acid to remove oxides! Use cotton discs for a final polish.

### AESTHETIC COATINGS

If the abutments are to receive an aesthetic cover, look at the particularities of the ceramic (CET value) and the alloy. This alloy has a melting point between 1360 and 1390 °C.

To ensure that the ceramic is compatible with the Co-Cr abutment, it must have a coefficient of expansion of no less than  $14.1 \times 10^{-6} \text{ cm/cm/}^\circ\text{C}$  at 500 °C. An incorrect selection of the ceramic type may lead to cracks and thus also to crown fracture.

Use ceramics with coefficients of expansion greater than  $13.8 \times 10^{-6} \text{ cm/cm/}^\circ\text{C}$ .

### SIDE EFFECTS

In rare cases, allergies or hypersensitive reactions to the metal alloy cannot be excluded. Always tell your dentist the type of abutment and the alloys you are using.

	ISO 5832-12	Min IPD	Max IPD
Traction resistance (Mpa)	>1172	1377	1428
Elastic Limit (Mpa)	>827	998	1030
Elongation (%)	>12	14	22
Hardness (HRC)		45.9	46.6



CODE	DESCRIPTION
FA-BN-10	CrCo base abutment with 15° angled castable cylinder
FA-BN-11	CrCo base abutment with rotational 15° angled castable cylinder
FA-TR-50	Prosthetic Screw Angled CrCo Torx Base (Spare)
KA-CT-25	Screwdriver tip Torx L.25
ADMA	Manual adapter for contra-angle keys

Note: use definitive prosthetic screws for final tightening of the prostheses.



## SCAN-BODY/SCAN-ABUTMENT

DESCRIPTION	CODE
For <b>Toronto</b>	SBT
For <b>CORE V2 Ø2.9 and K-CORE V2 Ø3.5</b>	V2SB29
<b>Narrow</b>	V2SB



## TI-BASE CORE V2

DESCRIPTION	CODE
For <b>CORE V2 Ø2.9 and K-CORE V2 Ø3.5</b> (rotational)	V2 TB 29-R
For <b>CORE V2 Ø2.9 and K-CORE V2 Ø3.5</b> (rotational)	V2 TB 29
<b>Narrow</b> (rotational)	V2 TB NR-R
<b>Narrow</b> (non-rotational)	V2 TB NR
<b>Toronto</b>	TBT



## CAD CAM ANALOGS - CORE V2

DESCRIPTION	CODE
for <b>CORE V2 Ø2.9 and KCORE V2 Ø3.5</b> implants	V2 AL 29-CC
<b>Ø3.5 mm</b> (single)	V2 AL-CC
for <b>Toronto</b>	ALT-CC

Note: use definitive prosthetic screws for final tightening of the prostheses.



## V2 PREMILLED

DESCRIPTION	CODE
Platform Ø3.4 mm (for CORE V2 Ø2.9 and KCORE V2 Ø3.5 implants)	V2 PR 29
Platform Ø 3.5 mm	V2 PR



## LOCATOR® ATTACHMENT

Locator is a resilient attachment for endo-osseous implants. The Locator system is suitable for correcting disparallelisms in prosthetic rehabilitation by means of total or partial overdentures. Use on a single implant is not recommended.

PLATFORM	HEIGHT	CODE
Ø 3.5 (single)	h 1 mm	FA-LN-01
	h 2 mm	FA-LN-02
	h 3 mm	FA-LN-03
	h 4 mm	FA-LN-04

Ideal tightening torque: 30 Ncm

## ACCESSORIES



DESCRIPTION	CODE
<b>TRANSFER LOCATOR</b> Pack of 4.	PD-8505-4
<b>LOCATOR LABORATORY ANALOG</b> Pack of 1.	PS-AR-00



Tip for inserting  
and removing of attachments

Handle

Attachment screwdriver

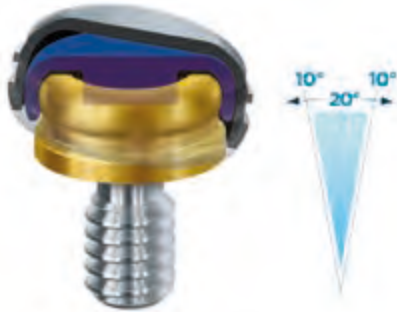
### CORE TOOL LOCATOR

Tool for inserting and removing attachments,  
complete with tip and driver for screwing.

LL-PS-01

## LOCATOR ATTACHMENT KIT®

Blister packs containing each: 1 plastic spacer ring, 1 steel cap, 1 black laboratory attachment, 3 coloured plastic attachments in 3 different retentions



### STANDARD ATTACHMENTS

For implants with 10° to 20° divergence disparallelisms between the two implants.



680 g



1360 g



2268 g

#### MEASURES

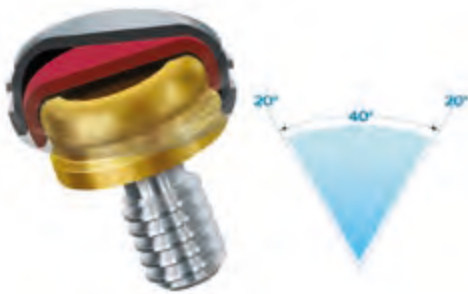
#### CODE

Standard Kit (BLUE, GREY, TRANSPARENT attachments)

KA-CL-02

### EXTENDED RANGE ATTACHMENTS

For implants with 20° to 40° divergence disparallelisms between the two implants.



453 g



907 g



1814 g

#### MEASURES

#### CODE

Extended Range Kit (green, red, orange attachments)

KA-CL-03

#### MEASURES

Replacement Locator® Standard attachment - Pack of 8.

Replacement Locator® Extended attachment - Pack of 4.



**Blue**  
Retention 680 g

Cod. KA-CL-10



**Grey**  
Retention 1360 g

Cod. KA-CL-11



**Transparent**  
Retention 2268 g

Cod. KA-CL-12



**Green**  
Retention 1360 g  
(20° inclination)  
Retention 1814 g  
(40° inclination)

Cod. KA-CL-06



**Red**  
Retention 226 g  
(20° inclination)  
Retention 453 g  
(40° inclination)

Cod. KA-CL-04



**Orange**  
Retention 907 g  
(40° inclination)

Cod. KA-CL-05



#### DESCRIPTION

#### CODE

Replacement spacer ring - Pack of 20.

8514

Replacement metal cap (Ti)

KA-CL-00

# CORE V2 K-CORE V2 BALL ATTACHMENTS



## BALL ATTACHMENT

PLATFORM	HEIGHT	NARROW
$\varnothing$ 3.5 (single)	h 0 mm	V2 PSNR0
	h 1 mm	V2 PSNR1
	h 2 mm	V2 PSNR2
	h 4 mm	V2 PSNR4

PLATFORM	HEIGHT	STANDARD PROFILE
$\varnothing$ 3.4 (for $\varnothing$ 2.9 implants, for CORE V2 $\varnothing$ 2.9 and K-CORE V2 $\varnothing$ 3.5 implants)	h 0 mm	PS290
	h 1 mm	PS291
	h 2 mm	PS292
	h 4 mm	PS294

Ball Attachment Ideal tightening torque: 30 Ncm

## SCREWDRIVERS\* RECOMMENDED FOR TIGHTENING THE BALL ATTACHMENT



MANUAL / RATCHET	CODE
Stainless steel	AV26M-N
CONTRA-ANGLE	CODE
Stainless steel	AV26CA

Can be used to screw straight Toronto Abutment and Ball attachment.

## RHEIN CAPS (NORMO)

Pack of 6 pcs. per colour



**Pink**  
soft  
retention 900g  
**40CC001**



**Yellow**  
extra soft  
retention 500g  
**40CC002**



**Green**  
elastic  
retention 350g  
**40CC003**



**Grey**  
standard  
retention 1300g  
**40CC004**

## RHEIN CONTAINERS

Pack of 2 per material

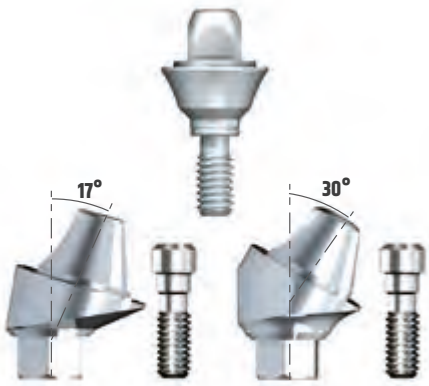


**Stainless steel**  
**40CC005**



**Titanium**  
**40CC006**





## TORONTO TITANIUM ABUTMENT\*

MEASURES	CODE
CORE V2 Implants on a $\varnothing$ 3.5 (single) platform	
Straight - h 2 mm	V2 MT 2
Straight - h 4 mm	V2 MT 4
Angled 17°	V2 MT-17
Angled 30°	V2 MT-30
Angled 17° with extended transmucosal path	V2 MTP-17
Angled 30° with extended transmucosal path	V2 MTP-30
Angled 45°	V2 MT-45
Definitive angled Toronto prosthetic screw	VTPTD single
	VTPTD-4 4-pack



## TORONTO ACCESSORIES

PEEK HEALING CAP	CODE
Peek healing cap	CMT
Extended Peek healing cap	CMT-P

TORONTO CYLINDERS	CODE
Package includes long screw and micro screw	
Stainless steel cylinder (A)	CT-I
	CT-IS
Titanium Cylinder (A)	CT-T
	CT-TS
Calcinable cylinder (B)	CT-C

TORONTO ANALOG	CODE
Toronto Analog	ALT

TORONTO SCREW	CODE
<b>Micro</b>	VTMT
<b>Long</b>	VTLT

BONE PROFILING DRILL AND GUIDE SCREW	CODE
<b>Complete package</b>	FPO-VG

SCREWDRIVERS FOR STRAIGHT TORONTO ABUTMENT	CODE
Can be used to screw straight Toronto Abutment and Ball attachment.	
<b>Contra-angle handpiece</b>	AV26 CA
<b>Manual</b>	AV26 M-N

Ideal tightening torque for Straight Toronto abutment is 30 Ncm, for angled Toronto screw is 25 Ncm.

# CORE V2 K-CORE V2 DRILLS AND SURGICAL ACCESSORIES

## CORE V2 DRILLS



INITIAL DRILL	CODE
---------------	------

For corticotomy; preparation depth 6 mm.

FI



SUPER CUT DRILL	CODE
-----------------	------

Ø 2 mm drill	FSC2
Ø 2.5 mm drill (fuchsia ring)	FSC 25-F-3T
Ø 2.8 mm drill (bronze ring)	FCSC 28-C-3T
Ø 3.0 mm drill (yellow ring)	FSC 3-Y-3T
Ø 3.65 mm drill (blue ring)	FSC 36-B-3T
Ø 3.85 mm drill (green ring)	FSC 38-G-3T
Ø 4.2 mm drill (grey ring)	FSC42-N-3T

## STOPS FOR SUPER CUT CORE V2 DRILLS



FOR DRILLS	Ø 2 mm	Ø 2.5 mm	Ø 2.8 mm	Ø 3.0 mm	Ø 3.65 mm	Ø 3.85 mm	Ø 4.2 mm
h 7 mm	ST SC 2-70	-	ST SC 28C-70	ST SC 3Y-70	ST SC 36B-70	ST SC 38G-70	-
h 8.5 mm	ST SC 2-85	ST SC 25 F-85	ST SC 28C-85	ST SC 3Y-85	ST SC 36B-85	ST SC 38G-85	ST SC 42N-85
h 10 mm	ST SC 2-10	ST SC 25 F-10	ST SC 28C-10	ST SC 3Y-10	ST SC 36B-10	ST SC 38G-10	ST SC 42N-10
h 12 mm	ST SC 2-12	ST SC 25 F-12	ST SC 28C-12	ST SC 3Y-12	ST SC 36B-12	ST SC 38G-12	ST SC 42N-12
h 13 mm	ST SC 2-13	ST SC 25 F-13	ST SC 28C-13	ST SC 3Y-13	ST SC 36B-13	ST SC 38G-13	ST SC 42N-13
h 15 mm	ST SC 2-15	ST SC 25 F-15	ST SC 28C-15	ST SC 3Y-15	ST SC 36B-15	ST SC 38G-15	ST SC 42N-15

## CORE V2 COUNTERSINK

## DEPTH STOP FOR CORE V2 COUNTERSINK



DESCRIPTION	CODE
For Ø 2.9 implant (fuchsia ring)	V2 SV 29-F
For Ø 3.5 implant (bronze ring)	V2 SV 35-C
For Ø 3.75 implant (yellow ring)	V2 SV 37-Y
For Ø 4.2 implant (blue ring)	V2 SV 42-B
For Ø 4.7 implant (green ring)	V2 SV 47-G
For Ø 5.2 implant (grey ring)	V2 SV 52-N

DESCRIPTION	CODE
For Ø 2.9 implant	ST SV 29
For Ø 3.5 implant	ST SV 35
For Ø 3.75 implant	ST SV 37
For Ø 4.2 implant	ST SV 42
For Ø 4.7 implant	ST SV 47
For Ø 5.2 implant	ST SV 52

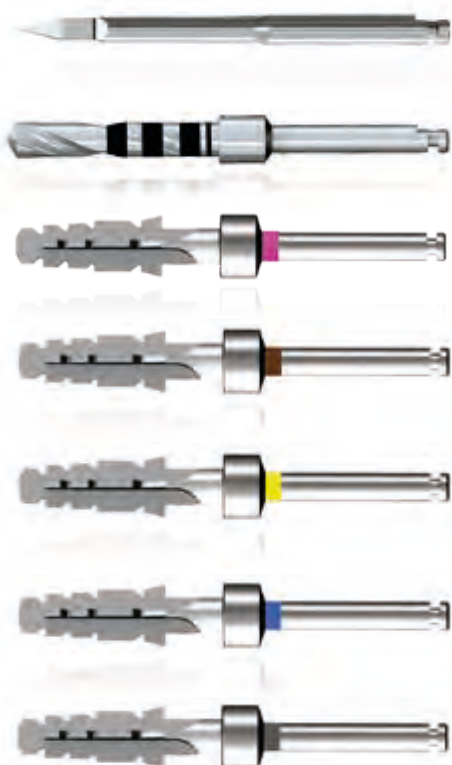
## CORE V2 TAPPER



DESCRIPTION	CODE
For Ø 2.9 implant (fuchsia)	V2 FMC 29-F
For Ø 3.5 implant (bronze)	V2 FMC 35-C
For Ø 3.75 implant (yellow)	V2 FMC 37-Y
For Ø 4.2 implant (blue)	V2 FMC 42-B
For Ø 4.7 implant (green)	V2 FMC 47-G
For Ø 5.2 implant (grey)	V2 FMC 52-N

Cod. ACM

## K-CORE V2 DRILLS



INITIAL DRILL	CODE
---------------	------

For corticotomies; preparation depth 6 mm	FI
---	----

SUPER CUT DRILL	CODE
-----------------	------

Ø 2 mm drill	FSC2
--------------	------

DRILL FOR Ø 3.5 IMPLANT (fuchsia ring)					
--	--	--	--	--	--

	h 10 mm	h 12 mm	h 13 mm	h 15 mm	
	FK 3510	FK 3512	FK 3513	FK 3515	

DRILL FOR Ø 3.8 IMPLANT (bronze ring)					
---------------------------------------	--	--	--	--	--

h 8.5 mm	h 10 mm	h 12 mm	h 13 mm	h 15 mm	h 17 mm
FK 3885	FK 3810	FK 3812	FK 3813	FK 3815	FK 3817

DRILL FOR Ø 4.2 IMPLANT (yellow ring)					
---------------------------------------	--	--	--	--	--

h 8.5 mm	h 10 mm	h 12 mm	h 13 mm	h 15 mm	h 17 mm
FK 4285	FK 4210	FK 4212	FK 4213	FK 4215	FK 4217

DRILL FOR Ø 4.5 IMPLANT (blue ring)					
-------------------------------------	--	--	--	--	--

h 8.5 mm	h 10 mm	h 12 mm	h 13 mm	h 15 mm	h 17 mm
-	FK 4510	FK 4512	FK 4513	FK 4515	-

DRILL FOR Ø 5.5 IMPLANT (grey ring)					
-------------------------------------	--	--	--	--	--

h 8.5 mm	h 10 mm	h 12 mm	h 13 mm	h 15 mm	h 17 mm
-	FK 5510	FK 5512	FK 5513	FK 5515	-

## STOP FOR K-CORE V2 DRILLS

HEIGHT		8.5 mm	10 mm	12 mm	13 mm	15 mm
Ø 2 mm Super Cut Drill		STSC 2-85	STSC 2-10	STSC 2-12	STSC 2-13	STSC 2-15
Ø 3.8 mm drill				STFK 38C		
Ø 4.2 mm drill				STFK 42Y		
Ø 4.5 mm drill				STFK 45B		
Ø 5.5 mm drill				ST FK 55N		

## K-CORE V2 TAPPER



DESCRIPTION	CODE
-------------	------

For Ø 3,5 implant (fuchsia)	V2 FMK 35-F
For Ø 3,8 implant (bronze)	V2 FMK 38-C
For Ø 4,2 implant (yellow)	V2 FMK 42-Y
For Ø 4,5 implant (blue)	V2 FMK 45-B
For Ø 5,5 implant (grey)	V2 FMK 55-N

## CORE V2 AND K-CORE V2 ACCESSORIES



### PARALLELISM PIN CODE

Single package ID

### MANUAL SCREWDRIVER CODE

Hexagonal **1.2 mm bit**

Short - Length **19 mm** AV 1219 C

Long - Length **24 mm** AV 1224 C

(can also be used with a dynamometric ratchet)

### CONTRA-ANGLE SCREWDRIVER CODE

Hexagonal **1.2 mm bit**

Length <b>18 mm</b>	Length <b>25 mm</b>
PH-20-18	PH-20-25

**ADMA** hand adaptor

### UNIVERSAL DIGITAL BEZEL CODE

Ø 12	GUD12
Ø 16	GUD16

### CONTRA-ANGLE SCREWDRIVER FOR CORE V2 Ø2.9 AND K-CORE V2 Ø3.5 IMPLANT MOUNT CODE

Short - Length **19 mm** AV 3419 CA

### CONNECTOR FOR MTA3 CODE

Length <b>11 mm</b>	Length <b>21 mm</b>
CPDG11	CPDG21

### DIRECT CONNECTOR CODE

Manual - length 8 mm CDCRID8

Manual - length 19 mm CDCRID19

Contra-angle handpiece - length 8 mm CDC8

Contra-angle handpiece - length 19 mm CDC19

### EXTENSION FOR DRILLS CODE

For use with drills only PF

## SURGICAL INSTRUMENTS



DESCRIPTION	CODE
Titanium <b>DEPTH GOUGE</b>	SND
STEEL <b>MOUNT KEY</b>	CHM
<b>DYNAMOMETRIC RATCHET:</b> suitable for tightening prosthetic screws and inserting the implants.	CRID

## BONE EXPANDERS



DESCRIPTION	CODE
<b>Expander kit:</b> 1 hand ratchet, 1 initial drill, 1 $\varnothing$ 2 mm drill, 1 contra-angle screwdriver, 2 ratchet connectors (8 mm and 14 mm) and 1 manual screwdriver	EO-SK
<b>Blue</b> expander	EO-B
<b>Fuchsia</b> expander	EO-F
<b>Yellow</b> expander	EO-Y
<b>Green</b> expander	EO-G

## ACCESSORIES



DESCRIPTION	CODE
<b>STEEL TREPHINE CORE DRILL</b> (max. length 30 mm)	
Outer $\varnothing$ 4.75 mm - Inner $\varnothing$ 4 mm	FC47
Outer $\varnothing$ 5.75 mm - Inner $\varnothing$ 5 mm	FC57
Outer $\varnothing$ 6.75 mm - Inner $\varnothing$ 6 mm	FC67
Outer $\varnothing$ 8.75 mm - Inner $\varnothing$ 8 mm	FC87

# CORE V2 K-CORE V2 MODULAR SURGICAL TRAY

## SURGICAL KIT

Plastic box with removable internal trays, complete with all the surgical instruments required for implant placement. The sequence of use of surgical instruments is simplified by colour coding.

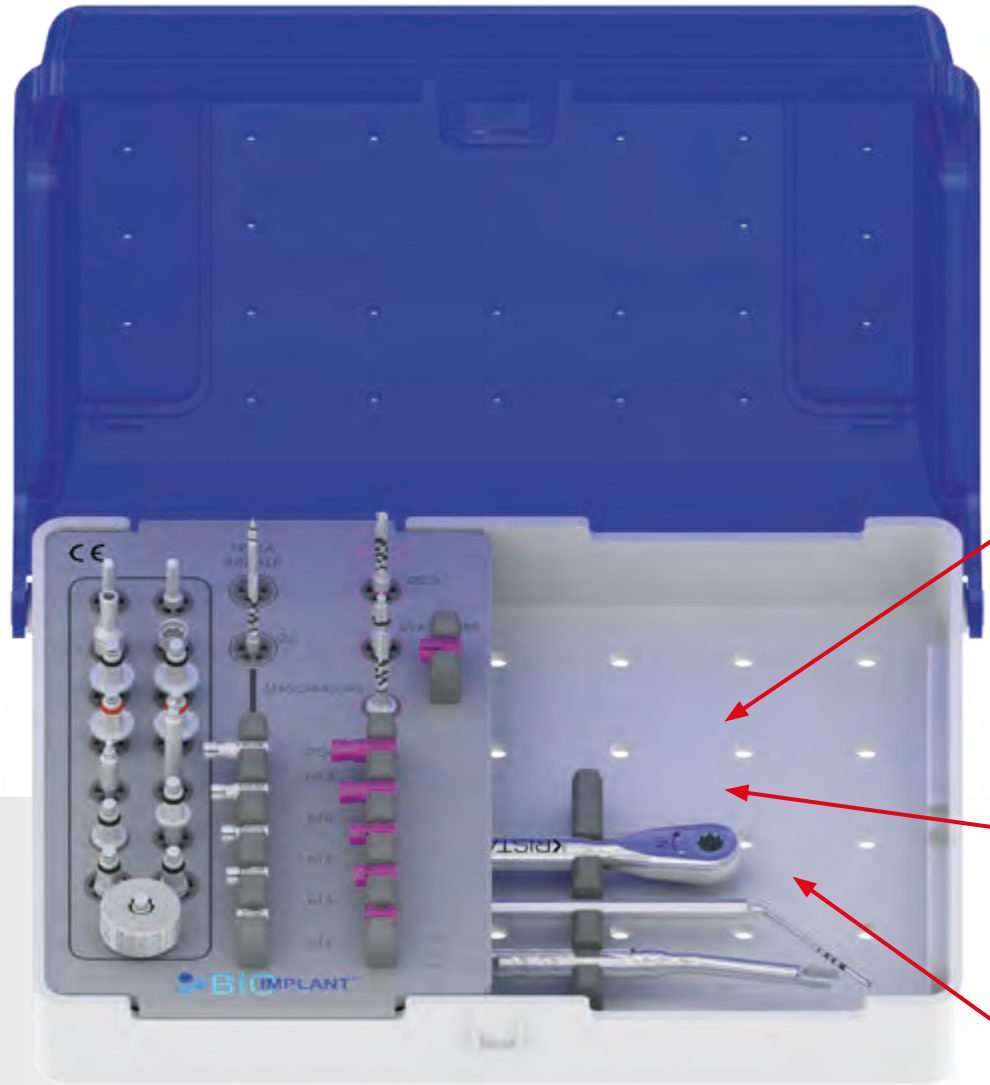
- Ergonomic, light and compact, easy to carry
- Silicone supports prevent movement of the instruments during transport
- Measuring marks for a control check
- Simple, intuitive design with laser-engraved measurements
- Simplified and optimised cleaning thanks to silicone supports flush with the tray (Grommets - Less Insert®)\*
- Autoclaved at 121 °C with a minimum exposure of 30 minutes and a drying cycle of 15 minutes.

The modular box which can contain 2 trays, consists of the basic tray (see picture) equipped with all the accessory and necessary instruments that can be used for both Core V2 and K-Core V2 implants plus the probe instruments, dynamometric ratchet and Mount key housed in the part below the tray and removable; the box can be completed, according to requirements, with the standard and/or special tray for the Core V2 line standard and/or special tray for the Core V2 line or with the line or with the standard tray for the K-Core V2 line,

Description of trays on the opposite page.

## BASIC TRAY

- Corticotomy drill
- Initial drill Ø mm 2
- Super Cut drill Ø mm 2,5
- Countersink for Core V2 implant Ø 2.9
- Ø 2.9 Core V2 implant taper
- Depth stop for Super-Cut drill (h mm 8.5; 10; 12; 13; 15)
- Depth stop for taper Ø 2.9
- Parallelism Pin - 2 pz.
- Extension for drills
- Adapter for contra-angle handpiece
- Manual screwdriver/hexagon ratchet 1.20 mm (short and long)
- Universal digital bezel (GUD)



- Implant pick-up device for contra-angle handpiece connection (short and long)
- Implant pick-up device for ratchet (short and long)
- Connector for universal digital bezel or ratchet

**BASIC TRAY**

CODE MB-C



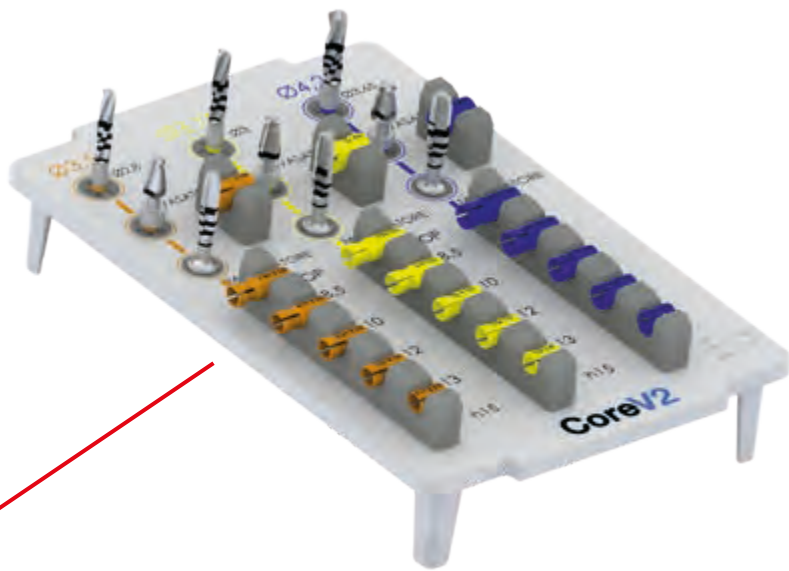
**EMPTY BOX  
FOR 2 TRAYS**

CODE TM



**EMPTY BOX  
FOR 1 TRAYS**

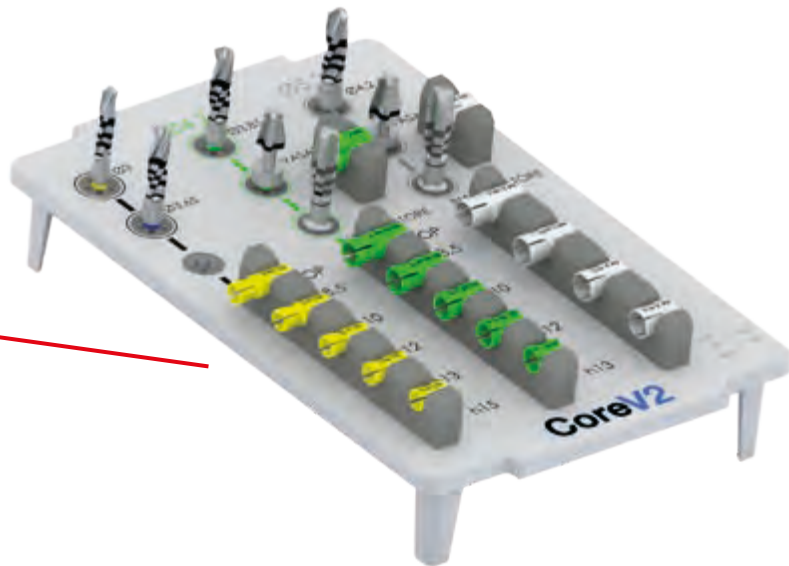
CODE TS



### CORE V2 STANDARD TRAY

- Super-Cut drills ( $\emptyset$  mm 2,8; 3,0; 3,65)
- Depth stop for Super-Cut drill (h mm 8,5; 10; 12; 13; 15)
- Countersinks for Core V2 implants  $\emptyset$  3,5;  $\emptyset$  3,75;  $\emptyset$  4,2
- Depth stop for countersink  $\emptyset$  3,5;  $\emptyset$  3,75;  $\emptyset$  4,2
- Tappers for Core V2 implants  $\emptyset$  3,5;  $\emptyset$  3,75;  $\emptyset$  4,2

CODE V2ST-C



### CORE V2 SPECIAL TRAY

- Super-Cut drills ( $\emptyset$  mm 3,0; 3,65; 3,85; 4,2)
- Depth stop for Super-Cut cutter (h mm 8,5; 10; 12; 13; 15)
- Countersinks for Core V2 implants  $\emptyset$  4,7 and  $\emptyset$  5,2
- Depth stop for countersink  $\emptyset$  4,7 and  $\emptyset$  5,2
- Core V2 implant tappers  $\emptyset$  4,7 and  $\emptyset$  5,2

CODE V2SP-C



### K-CORE V2 STANDARD TRAY

- K-Core V2 implant drills  $\emptyset$  3,8 (h mm 10; 12; 13; 15)
- K-Core V2 implant drills  $\emptyset$  4,2 (h mm 10; 12; 13; 15)
- K-Core V2 implant drills  $\emptyset$  4,5 (h mm 10; 12; 13; 15)
- K-Core V2 implant drills  $\emptyset$  5,5 (h mm 10; 12; 13; 15)
- Depth stop for drills ( $\emptyset$  3,8; 4,2; 4,5; 5,5)
- K-Core V2 implant tappers  $\emptyset$  0 3,8; 4,2; 4,5; 5,5

CODE KV2ST-C

## CLASSIC Surface



## PLUS IMPLANTS

Cylindrical implant with external hexagon in Titanium Grade 4 for the submerged technique with Double Acid Etching (DAE) surface.

The external hexagon connection is still the most versatile prosthetic connection mechanism for bar or Toronto screwed prostheses.

The morphology of the PLUS implant, coil pitch, implant core, neck and hexagon diameter, corresponds to the most established mechanical standards with long-term follow-up.

The PLUS implant also has atraumatic apices and discharge apical millings that make it self-centring.

The PLUS implant is made according to the dictates of the most recent literature with particular attention to the reduction of the peri-implant bone loss developed according to the following concepts of new technology and macrogeometry:

- **BICUSPID THREAD**
- **MINIMUM COMPRESSION IN DENSE BONE**
- **PRE-ASSEMBLED MOUNTING DEVICE ON THE IMPLANT**





1

**PLUS**  
**MTA<sup>3</sup> INDICATIONS**

**THE MTA<sup>3</sup> MULTIFUNCTIONAL PRE-ASSEMBLED MOUNT**

The mount is made of Grade 4 Titanium and has the same strength features of the available prosthetic components. Its shape allows it to be used as pick-up transfer and straight abutment.

**ADVANTAGES:**

- SIMPLIFICATION OF PROCEDURES
- REDUCTION OF PROSTHETIC COSTS

**FIRST STAGE:  
IMPRESSION**

Remove the O-ring from the upper frame and replace the pre-assembled screw with a transfer screw, the mount has all the characteristics to be used as a impression transfer using open custom tray technique (Pick up).

**SECOND STAGE:  
PROVISIONAL OR DEFINITIVE PROSTHESIS**

Remove using a separating disc the upper (square) portion of the mount and replace the mount screw with a prosthetic screw; the dental technician can use the mount as a straight titanium abutment.



**SURGICAL MOUNT**  
With mount screw

**TRANSFER MOUNT**  
with transfer screw

**ABUTMENT MOUNT**  
with prosthetic screw

Phase 1

Phase 2



**SWITCHING  
PLATFORM**




**BICUSPID  
THREAD**



**ROOT  
FORM**


### TITANIUM MTA<sup>3</sup> MOUNTING DEVICE

		DESCRIPTION	CODE
		Plus implants (Ø 3.25 - 3.75 - 4.0) <b>Platform Ø 4.1 mm</b>	PLDM 41
		Plus Implants (Ø 5.0) <b>Platform Ø 5.0 mm</b>	PLDM 50

### TRANSFER SCREW

	<b>Ø PLUS</b>	Ø 3.25	Ø 3.75	Ø 4.0	Ø 5.0	-
	<b>CODE</b>	40 PL 125				

### TITANIUM PROSTHETIC SCREW

	<b>Ø PLUS</b>	Ø 3.25	Ø 3.75	Ø 4.0	Ø 5.0	-
	<b>CODE - 1 PC.</b>	40 PL 126				
	<b>CODE - 4 PC.</b>	40 PL 195				

### DEFINITIVE TITANIUM PROSTHETIC SCREW (DLC COATED HEAD)

	<b>CODE - 1 PC.</b>	PLVTPD
	<b>CODE - 4 PC.</b>	PLVTPD-4

**PLUS**  
**CYLINDRICAL PLUS IMPLANTS WITH EXTERNAL HEXAGON**

Cylindrical Plus implants are available with Classic surface types  
 Surface **DOUBLE ACID ETCHING (DAE)**

DIAMETERS	CLASSIC	
	TOTAL HEIGHT	CODE
<p><b>PLUS Ø 3.25</b>            Coils Ø 3.25 mm            Platform Ø 4.1 mm            Apex Ø 2.7 mm</p> 	8.5 mm 10 mm 12 mm 13 mm 15 mm	40 PL 001 40 PL 002 40 PL 003 40 PL 004 40 PL 173
<p><b>PLUS Ø 3.75</b>            Coils Ø 3.75 mm            Platform Ø 4.1 mm            Apex Ø 2.8 mm</p> 	7 mm 8.5 mm 10 mm 12 mm 13 mm 15 mm	40 PL 006 40 PL 007 40 PL 008 40 PL 010 40 PL 011 40 PL 012
<p><b>PLUS Ø 4.0</b>            Coils Ø 4.0 mm            Platform Ø 4.1 mm            Apex Ø 3.1 mm</p> 	8.5 mm 10 mm 12 mm 13 mm 15 mm	40 PL 028 40 PL 029 40 PL 030 40 PL 031 40 PL 032
<p><b>PLUS Ø 5.0</b>            Coils Ø 5.0 mm            Platform Ø 5.0 mm            Apex Ø 4.0 mm</p> 	7 mm 8.5 mm 10 mm 12 mm 13 mm 15 mm	40 PL 041 40 PL 042 40 PL 043 40 PL 045 40 PL 046 40 PL 140



UPPER	PLUS Ø 3.25	PLUS Ø 3.75	PLUS Ø 4.0	PLUS Ø 5.0
CENTRAL INCISORS	●	●	●	●
LATERAL INCISORS	●	●	●	●
CANINES	●	●	●	●
PREMOLARS	●	●	●	●
MOLARS	●	●	●	●
LOWER	PLUS Ø 3.25	PLUS Ø 3.75	PLUS Ø 4.0	PLUS Ø 5.0
CENTRAL INCISORS	●	●	●	●
LATERAL INCISORS	●	●	●	●
CANINES	●	●	●	●
PREMOLARS	●	●	●	●
MOLARS	●	●	●	●

● Optimal use

● Not recommended use

● Discretionary use

HEALING ABUTMENT		HEIGHT 2 MM	HEIGHT 4 MM	HEIGHT 6 MM
	<b>PLUS Ø 3.25</b> Platform Ø 4.1 mm	40 PL 060	40 PL 061	40 PL 062
	<b>PLUS Ø 3.75</b> Platform Ø 4.1 mm			
	<b>PLUS Ø 4.0</b> Platform Ø 4.1 mm			
	<b>PLUS Ø 5.0</b> Platform Ø 5.0 mm	40 PL 196	40 PL 197	-

**PLUS**  
**SURGICAL PROCEDURES**

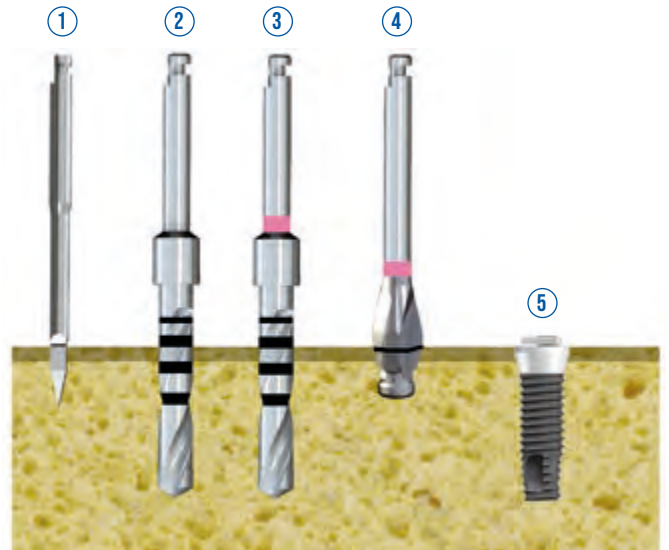


**PLUS Ø 3.25**

**Key:**

- ① initial drill
- ② super cut drill Ø 2 mm
- ③ Super cut drill Ø 2.8 mm
- ④ Ø 3.25 mm countersink drill
- ⑤ implant insertion

**Note:** Use the tapper if required in D1-D2 bone before placing the implant

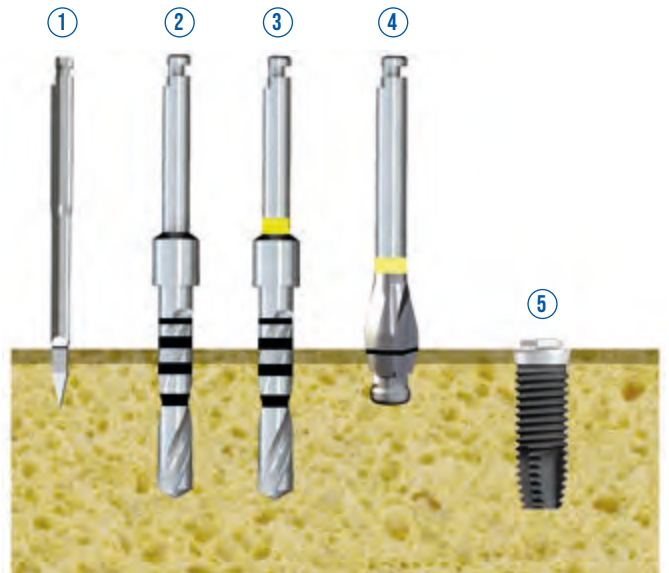


**PLUS Ø 3.75**

**Key:**

- ① initial drill
- ② super cut drill Ø 2 mm
- ③ super cut drill Ø 3 mm
- ④ countersink drill Ø 3.75 mm
- ⑤ implant insertion

**Note:** Use the tapper if required in D1-D2 bone before placing the implant

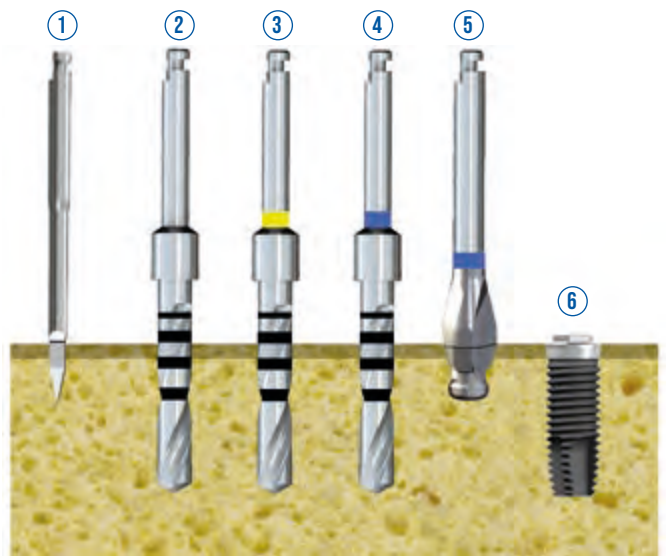


**PLUS Ø 4.0**

**Key:**

- ① initial drill
- ② super cut drill Ø 2 mm
- ③ super cut drill Ø 3 mm
- ④ super cut drill Ø 3.3 mm
- ⑤ countersink drill Ø 4 mm
- ⑥ implant insertion

**Note:** Use the tapper if required in D1-D2 bone before placing the implant



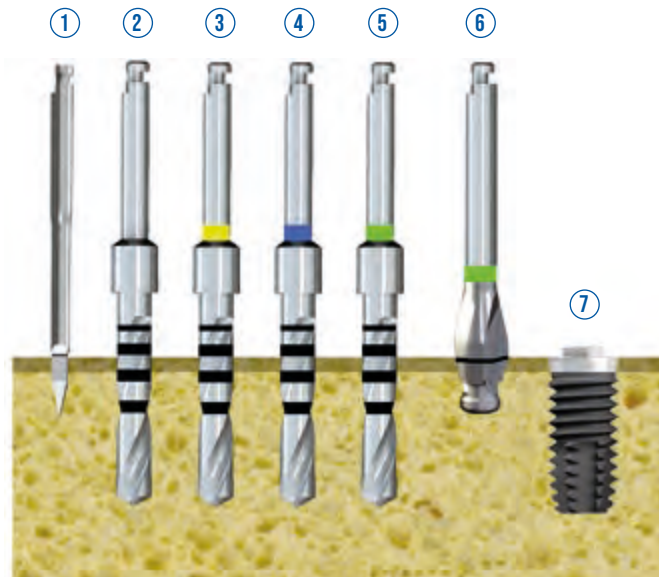


**PLUS Ø 5.0**

**Key:**

- ① initial drill
- ② super cut drill Ø 2 mm
- ③ super cut drill Ø 3 mm
- ④ super cut drill Ø 3.3 mm
- ⑤ super cut drill Ø 4.2 mm
- ⑥ countersink drill Ø 5 mm
- ⑦ implant insertion

**Note:** Use the taper if required in D1-D2 bone before placing the implant



# PLUS PROSTHETIC COMPONENTS

## COLOUR CODING

For Plus lines, the colour coding is as follows:

- Colour coding of labels on the packaging of implants and prosthetic components
- Colour coding of prosthetic components
- Application of coloured rings on dedicated drills

PLUS	COLOUR
Ø 3.25	FUCHSIA
Ø 3.75	YELLOW
Ø 4.0	BLUE
Ø 5.0	GREEN

## TITANIUM IMPRESSION TRANSFER



MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	40 AC 170
Plus Implants (Ø 5.0) Platform Ø 5.0 mm	40 AC 173

### PICK-UP TECHNIQUE

- After removing the healing abutment or provisional prosthesis, carefully place the transfer onto the implant making sure it is seated correctly and tighten it with the transfer screw to lock it in place.
- Test the individual tray size for interference when inserting and removing the tray.
- The individual tray, previously perforated in laboratory at the implants' position, may need further modification to eliminate any interference during positioning and removal of the tray.
- Fill the tray with the chosen material and place it carefully in the mouth, taking care that the transfer screws protrude from the holes drilled in the individual tray.
- After the impression material is settled, unscrew and remove the transfer screws and remove the impression following the axis of insertion; the transfers will remain embedded in the impression material.
- The dental technician places the laboratory analogs on the transfers, locks them in place with the transfer screws by repositioning them "in the holes" of the perforated tray and then casts the master model according to the chosen technique.



MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	40 AC 172
Plus Implants (Ø 5.0) Platform Ø 5.0 mm	40 AC 174

### PULL-UP TECHNIQUE

- After removing the healing abutment or provisional prosthesis, carefully place the transfer onto the implant, ensuring that it is seated correctly and tighten it with the transfer screw to secure it in place.
  - Choose the standard tray, try it without material to ensure that there is no interference and continue with impression.
  - After the material is settled, remove the tray following the axis of insertion; the transfers will remain anchored to the implants.
  - Remove the transfers by unscrewing the specific screw and deliver them to the laboratory, separated from the impression.
  - The laboratory will place a laboratory analog corresponding to the implant used on each pull-up transfer and then place the assembled transfer and laboratory analog in the impression.
- It will then develop the master model according to the chosen technique.



## TITANIUM LABORATORY ANALOG



MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	40 AC 150
Plus Implants (Ø 5.0) Platform Ø 5.0 mm	40 AC 151

**Note:** it is recommended not to use the analog if it is damaged; do not use it more than three times

## TITANIUM CYLINDER FOR PROVISIONAL SOLUTIONS \*

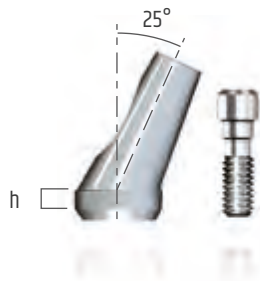
### WITH HEXAGON



MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	40 PL 088
Plus Implants (Ø 5.0) Platform Ø 5.0 mm	40 PL 187

### WITHOUT EXAGON

MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	40 PL 089
Plus Implants (Ø 5.0) Platform Ø 5.0 mm	40 PL 189



## STRAIGHT TITANIUM ABUTMENT\*

### TOTAL HEIGHT 9 MM

### CODE

Plus implants (Ø 3.25 - 3.75 - 4.0)  
**Platform Ø 4.1 mm**

40 PL 075

Plus Implants (Ø 5.0)  
**Platform Ø 5.0 mm**

40 PL 106

### TOTAL HEIGHT 11 MM

### CODE

Plus implants (Ø 3.25 - 3.75 - 4.0)  
**Platform Ø 4.1 mm**

40 PL 076

Plus Implants (Ø 5.0)  
**Platform Ø 5.0 mm**

40 PL 107

## PRE-ANGLED TITANIUM ABUTMENT\*

### MEASURES

### CODE

Plus implants (Ø 3.25 - 3.75 - 4.0)  
**Platform Ø 4.1 mm**

**Angled 15° - h 2 mm**

40 PL 179

**Angled 15° - h 4 mm**

40 PL 181

**Angled 25° - h 2 mm**

40 PL 180

**Angled 25° - h 4 mm**

40 PL 182

Plus Implants (Ø 5.0)  
**Platform Ø 5.0 mm**

**Angled 15° - h 2 mm**

40 PL 191

**Angled 15° - h 4 mm**

40 PL 193

## CALCINABLE ABUTMENT

### WITH HEXAGON

MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	40 PL 080
Plus Implants (Ø 5.0) Platform Ø 5.0 mm	40 PL 110



### WITHOUT EXAGON

MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	40 PL 082
Plus Implants (Ø 5.0) Platform Ø 5.0 mm	40 PL 112

## ABUTMENT FOR BONDING

### WITH HEXAGON

MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	PLMI41



### WITHOUT HEXAGON (ROTATIONAL)

MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	PLMI41-R

\* Recommended prosthetic screw tightening torque: 25 Ncm

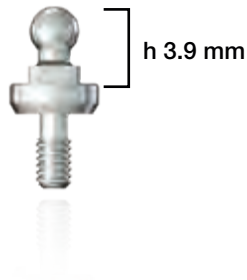
## PROSTHETIC SCREW

DESCRIPTION	CODE
PLUS prosthetic screw (single)	40 PL 126
PLUS prosthetic screw (pack of 4)	40 PL 195
PLUS definitive prosthetic screw (single)	PLVTPD
PLUS definitive prosthetic screw (pack of 4)	PLVTPD-4



Note: use definitive prosthetic screws for final tightening of the prostheses.

**PLUS**  
**BALL ATTACHMENTS**



**BALL ATTACHMENT**

MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm - Sphere Ø 2.5 mm (Normo)	
Height 1 mm	40 PL 170
Height 2 mm	40 PL 171
Height 4 mm	40 PL 172

Recommended tightening torque for Ball Attachment: 30 Ncm

**BALL ATTACHMENT SCREWDRIVERS**

Can be used to screw in the straight Titanium Toronto Abutment and Ball Attachment.



MANUAL	CODE
Stainless steel	AV 26 M
CONTRA-ANGLE	CODE
Stainless steel	AV 26 CA

**RHEIN CAPS (NORMO)**

Pack of **6 pcs.** per colour



**Pink**  
soft  
retention 900g  
**40 CC 001**



**Yellow**  
extra soft  
retention 500g  
**40 CC 002**



**Green**  
elastic  
retention 350g  
**40 CC 003**



**Grey**  
standard  
retention 1300g  
**40 CC 004**

**RHEIN CONTAINERS**

Pack of **2 pcs.** per material



**Stainless steel**  
**40 CC 005**



**Titanium**  
**40 CC 006**



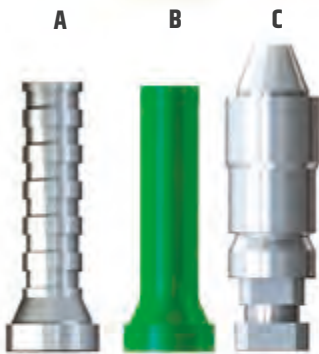
## TORONTO TITANIUM ABUTMENT

MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1 mm	
Straight - h 2 mm	40 PL 137
Straight - h 4 mm	40 PL 138
Plus implants (Ø 3.25 - 3.75 - 4.0) Platform Ø 4.1	
Angled 17°	40 PL 135
Angled 30°	40 PL 136



## TORONTO ACCESSORIES

PEEK HEALING CAP	CODE
Peek healing cap.	CMT



TORONTO CYLINDERS	CODE
Package includes long screw and micro screw	
Stainless steel cylinder (A)	CT-I
Titanium Cylinder (A)	CT-T
Calcinable cylinder (B)	CT-C



TORONTO ANALOG	CODE
The package does not include the long screw and the micro screw	
Titanium analog (C)	ALT

TORONTO SCREW	CODE
Micro	VTMT
Long	VLT



BONE PROFILING DRILL AND GUIDE SCREW	CODE
Complete package	40 FR 105

SCREWDRIVERS	CODE
For straight Toronto abutment; can also be used for screwing in Core ball attachment and Micro Implants	
Contra-angle handpiece	AV26CA
Manual	AV26M



## LOCATOR® ATTACHMENTS

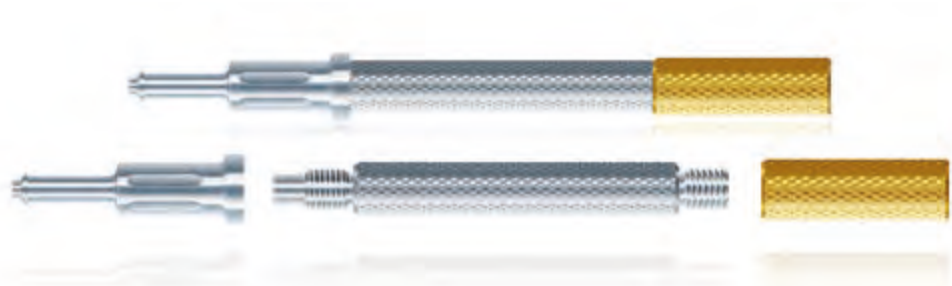
Locator is a resilient attachment for endo-osseous implants. The Locator system is suitable for correcting disparallelisms in prosthetic rehabilitation by means of total or partial overdentures. Use on a single implant is not recommended.

MEASURES	CODE
Plus implants (Ø 3.25 - 3.75 - 4.0)	
Platform Ø 4.1 mm	
Height 1 mm	AA-LR-01
Height 2 mm	AA-LR-02
Height 3 mm	AA-LR-03
Height 4 mm	AA-LR-04

Ideal tightening torque: 30 Ncm

## ACCESSORIES

DESCRIPTION	CODE
<b>TRANSFER LOCATOR</b> Pack of 4.	PD-8505-4
<b>LOCATOR LABORATORY ANALOG</b> Pack of 1 pc.	PS-AR-00



Tip for inserting and removing of attachments

Handle

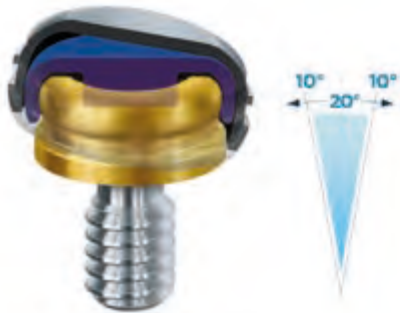
Attachment screwdriver

**CORE TOOL LOCATOR**  
Tool for inserting and removing attachments, complete with tip and driver for screwing.

LL-PS-01

## LOCATOR® ATTACHMENT KIT

Blister packs containing each: 1 plastic spacer ring, 1 steel cap, 1 black laboratory attachment, 3 colour coded plastic attachments in 3 different retentions.



### STANDARD ATTACHMENTS

For implants with 10° to 20° divergence disparallelisms between the two implants.



Light blue 680 g

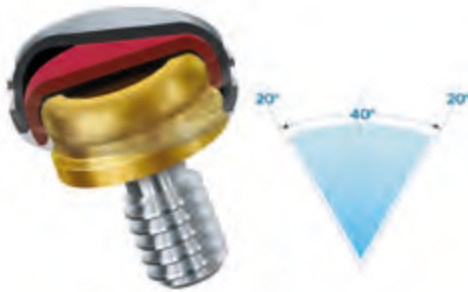


Grey 1360 g



Transparent 2268 g

DESCRIPTION	CODE
Standard Kit (blue, grey, transparent attachments)	KA-CL-02



### EXTENDED RANGE ATTACHMENTS

For implants with 20° to 40° divergence disparallelisms between the two implants.



Rosso 453 g



Arancione 907 g



Blu 1814 g

DESCRIPTION	CODE
Extended Range Kit (green, red, orange attachments)	KA-CL-03

#### DESCRIPTION

Replacement Locator® Standard attachment - Pack of 8.



**Blue**  
Retention 680 g

KA-CL-10



**Grey**  
Retention 1360 g

KA-CL-11



**Transparent**  
Retention 2268 g

KA-CL-12



**Green**  
Retention 1360 g  
(20° inclination)  
Retention 1814 g  
(40° inclination)

KA-CL-06



**Red**  
Retention 226 g  
(20° inclination)  
Retention 453 g  
(40° inclination)

KA-CL-04



**Orange**  
Retention 907 g  
(40° inclination)

KA-CL-05



DESCRIPTION	CODE
Replacement spacer ring - Pack of 20.	8514
Replacement metal cap (Ti)	KA-CL-00

## PLUS DRILLS AND SURGICAL ACCESSORIES



### PLUS DRILLS

INITIAL DRILL	CODE
For corticotomies; preparation depth 6 mm	FI

SUPER CUT DRILL	CODE
Ø 2 mm drill	FSC2
Ø 2.8 mm drill (fuchsia ring)	40 FR 099
Ø 3.0 mm drill (yellow ring)	40 FR 097
Ø 3.3 mm drill (blue ring)	40 FR 100
Ø 4.2 mm drill (green ring)	40 FR 116

### DEPTH STOPS FOR SUPER CUT PLUS DRILLS



FOR DRILLS	Ø 2 mm	Ø 2.8 mm	Ø 3.0 mm	Ø 3.3 mm	Ø 4.2 mm
h 7 mm	40 AC 247	-	40 AC 239	40 AC 258	40 AC 366
h 8.5 mm	40 AC 246	40 AC 251	40 AC 238	40 AC 259	40 AC 369
h 10 mm	40 AC 245	40 AC 252	40 AC 237	40 AC 260	40 AC 370
h 12 mm	40 AC 243	40 AC 254	40 AC 236	40 AC 262	40 AC 371
h 13 mm	40 AC 242	40 AC 255	40 AC 235	40 AC 263	40 AC 372
h 15 mm	40 AC 241	40 AC 256	40 AC 234	40 AC 264	40 AC 373

### PLUS COUNTERSINK



DESCRIPTION	CODE
For Ø 3.25 implant ( fuchsia ring)	40 FR 114
For Ø 3.75 implant ( yellow ring)	40 FR 115
For Ø 4.0 implant ( blue ring)	40 FR 113
For Ø 5.0 implant ( green ring)	40 FR 111

### PLUS TAPPER



DESCRIPTION	CODE
For Ø 3.25 implant (fuchsia ring)	40 FR 014
For Ø 3.75 implant (yellow ring)	40 FR 106
For Ø 4.0 implant (blue ring)	40 FR 107
For Ø 5.0 implant (green ring)	40 FR 029



## PLUS ACCESSORIES



PARALLELISM PIN	CODE
Single package	ID



MANUAL SCREWDRIVER	CODE
Hexagonal tip 0.9 mm Total length 19 mm	40 AC 048
Total length 24 mm	40 AC 049
Hexagonal tip 1.2 mm Total length 19 mm	AV1219M
Total length 24 mm	AV1224M



CONTRA-ANGLE SCREWDRIVER	CODE
Hexagonal tip 0.9 mm Length 25 mm	PH-09-25
Hexagonal tip 1.2 mm	
Length 18 mm	Length 25 mm
PH-20-18	PH-20-25



MANUAL SCREWDRIVER	CODE
Pack	AV34M



CONTRA-ANGLE SCREWDRIVER FOR MOUNT	CODE
Short - Length 19 mm	AV3419



RATCHET CONNECTOR	CODE		
Length 8 mm	Length 14 mm	Length 18 mm	Length 24 mm
AV348C	AV3414C	AV3418C	AV3424C



EXTENSION FOR DRILLS	CODE
For use with drills only	PF

**PLUS**  
**DRILLS AND SURGICAL ACCESSORIES**

## SURGICAL INSTRUMENTS



DESCRIPTION	CODE
Titanium <b>DEPTH GOUGE</b>	SND
STEEL <b>MOUNT KEY</b>	CHM
<b>DYNAMOMETRIC RATCHET:</b> suitable for tightening prosthetic screws and inserting the implants.	CDIN

## ACCESSORIES



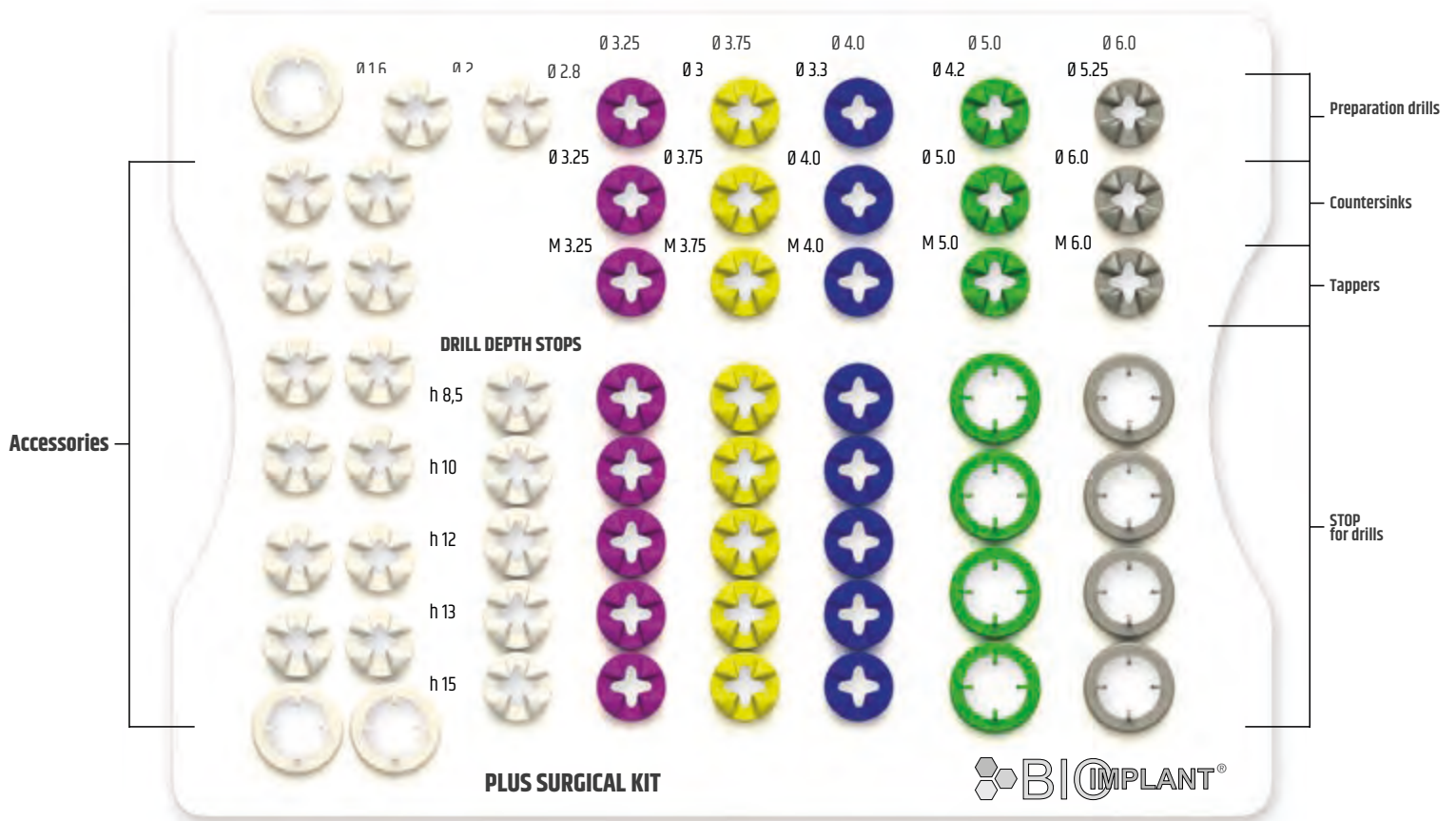
DESCRIPTION	CODE
<b>TREPINE CORE DRILL</b> in steel (max. length 30 mm)	
Outer Ø 4.75 mm - Inner Ø 4 mm	FC47
Outer Ø 5.75 mm - Inner Ø 5 mm	FC57
Outer Ø 6.75 mm - Inner Ø 6 mm	FC67
Outer Ø 8.75 mm - Inner Ø 8 mm	FC87



## BONE EXPANDERS

DESCRIPTION	CODE
<b>Expander kit:</b> 1 hand ratchet, 1 initial drill, 1 Ø 2 mm drill, 1 contra-angle screwdriver, 2 ratchet connectors (8 mm and 14 mm) and 1 manual screwdriver	EO-SK
<b>Blue Expander</b>	EO-B
<b>Fuchsia Expander</b>	EO-F
<b>Yellow Expander</b>	EO-Y
<b>Green Expander</b>	EO-G

**PLUS  
SURGICAL TRAY**



**complete with instruments - Code 40 AC 331**

Autoclavable plastic box with removable inner tray, complete with all the surgical instruments needed for implant placement. The sequence of use of the surgical instruments is simplified by the colour coding of the autoclavable silicone supports inserted on the tray.



**KIT PLUS - EMPTY**

40 AC 193

**CLEANING AND STERILISATION OF THE SURGICAL KIT**

Cleansing and sterilisation are key processes to ensure the removal of organic residues from the surface of the used instruments and the final decontamination.

**Cleaning** - After removing the instruments from the surgical tray, organic residues must be removed with a cloth.

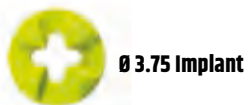
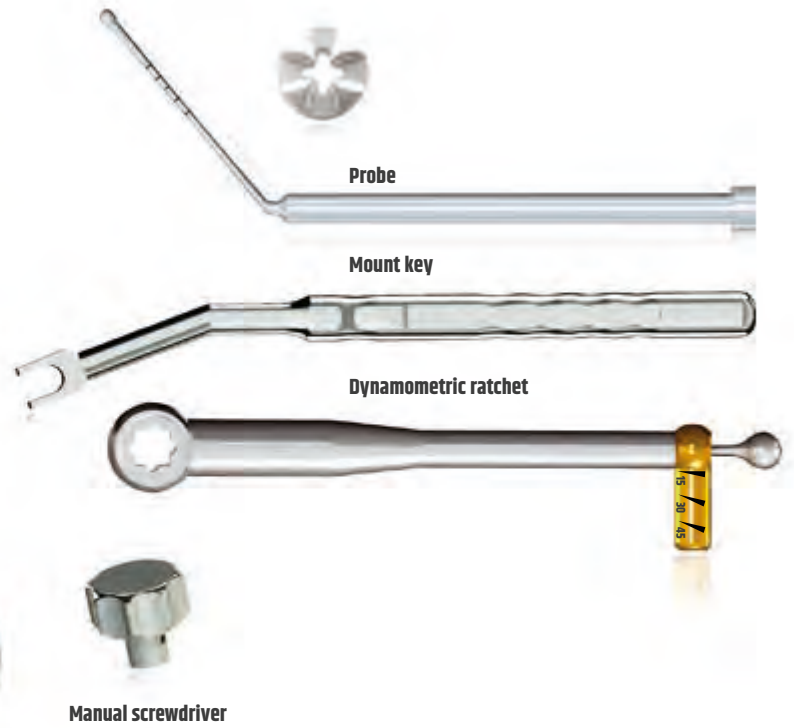
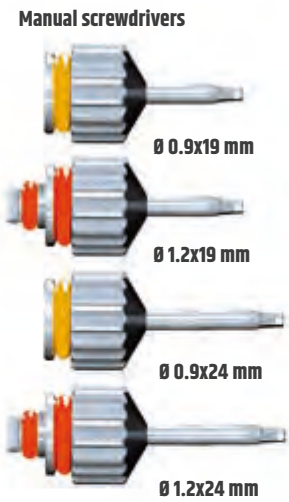
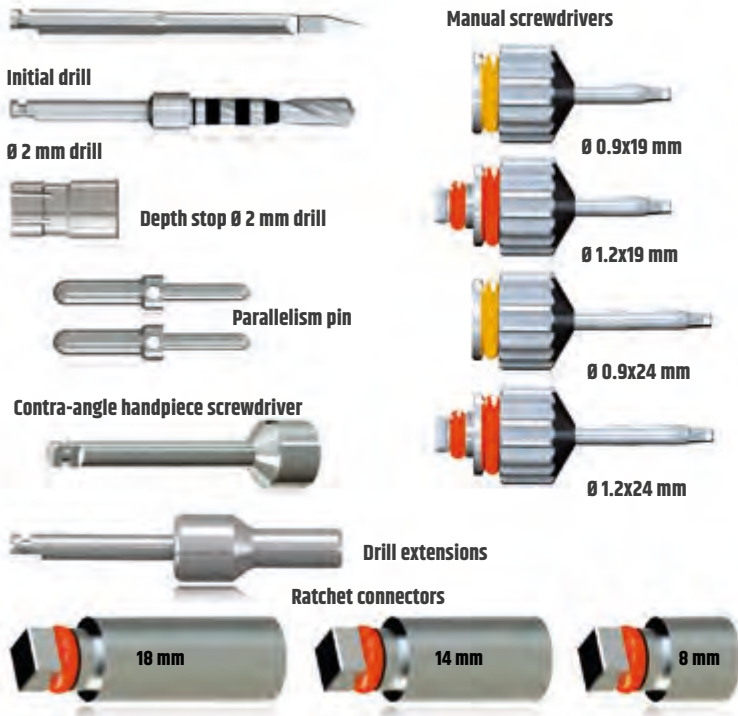
In case of **ultrasonic cleaning**, which is suitable for removing stubborn organic residues, it is recommended to use demineralised water and a neutral detergent to prevent the formation of stains and marks, following the manufacturer's recommendations for both dilution and washing time.

In case of **manual cleaning**, brush the instruments under running water with a neutral detergent solution; rinse with distilled water for a few minutes. Dry thoroughly and store all instruments in the appropriate locations. Pack in bags and sterilise.

**Sterilisation** - In an autoclave at 121°C with a minimum exposure of 30 minutes and a drying cycle of 15 minutes.

**Storage** - The surgical kit should be stored in a bag until use. The sterilisation holding period should not exceed that recommended by the pouch manufacturer.

**The surgical kit is supplied NON-STERILE.**





PRIMARY  
HEALING  
IMPLANT **PHI**<sup>™</sup>

a brand of

**KRISTAL**  
IMPLANTOLOGY - ORTHODONTICS

**MAC**  
Surface



**TPS**  
Surface



## EVO IMPLANTS

Conometric (6°) internal hexagon Titanium Grade 5 (Ti6Al-4V) implant for submerged technique, available in two surface variants, acid etched (MAC) or Titanium Plasma-Spray (TPS) sandblasted, both TiN-coated.

The cono-morse connection is today the most versatile prosthetic connection for both screw-retained and cemented prostheses.

The morphology of the EVO implant, with its cylindrical body in the coronal part and conical in the medullary part, the large self-centring coils with 1.5 mm pitch, the osteogenic corrugations, allows an atraumatic implant insertion for the patient, with long-term follow-up (more than 25 years).

The **EVO** implant also has a three-principle apical coil with a 0.5 mm pitch that promotes primary stability.

### **The EVO implant offers the following advantages:**

- **ATRAUMATIC SURGERY**
- **PRIMARY HEALING**
- **SINGLE PROSTHETIC CONNECTION FOR ALL DIAMETERS**
- **6° CONOMETRIC CONNECTION**
- **PLATFORM-SWITCHING WITH THREE PROFILES OF EMERGENCY FOR PROSTHETIC COMPONENTS**
- **TITANIUM NITRIDE (TiN) COATING ON ALL IMPLANTS AND DEFINITIVE PROSTHETIC COMPONENTS**





## EVO EVO CONOMETRIC IMPLANTS INTERNAL HEXAGON



## EVO IMPLANTS

Titanium and its alloys have always been considered as materials of choice in dental implantology due to their excellent biocompatibility features and their behaviour with biological tissues. In order to further improve its properties, Kristal has developed a series of surface treatments that accelerate and promote the osseointegration of PHI-branded implants.

The surface treatment that characterises the PHI EVO implant line is available in two versions, MAC and TPS, both versions are first sandblasted and differ in the employed materials, MAC means combined acid-etched; the surface has a micro-wrinkled morphology that increases the contact surface between bone and implant and reduces the waiting time for load application. Obtained by a subtractive process of double acid-etching, this type of treatment imparts the typical microtopography that is the basis of modern implant surfaces.

The surface irregularities are separated by micrometer distances, making them extremely efficient in platelet activation and clot retention at the implant site. The three-dimensional texture of this surface acts as a highly efficient sponge, which retains the growth factors and ensures a fast and favourable course of the bone healing process.

TPS (Titanium plasma-spray) coating is obtained by means of thermal spray; in the plasma coating, pure Titanium powders are sprayed onto the previously sandblasted surface and adhere to the surface, creating caves of an ideal size for platelet activation and retention of the implant site clot.

Both surfaces are then further coated with Titanium Nitride (TiN).

**The PHI (Primary Healing Implant) method enables primary bone repair.**

Primary bone healing has been studied mainly in orthopaedics by Prof. R. K. Schenk of the University of Bern. While traditional implants were always inserted into the cavity by forcing, screwing or hammering them in, with the PHI implant insertion is by coupling, without forcing. This means not only no pressure, but also no tension. The integration process of the PHI implant was evaluated in a multicentre study carried out in 8 different centres on approximately 2500 implants placed over 24 months and the success rate was 99.28% overall (mandible and maxilla). The scientific value of the experiments on isolated bovine ribs, rabbits, pigs and non-human primates, carried out in collaboration with Italian (Chieti, Milan) and foreign (Buenos Aires, Dijon) universities, was internationally recognised. These trials were presented at several IADR world congresses.

The term EVO, meaning "evolution", is intended as a symbolic transition from the historic PHI transmucosal line with internal hexagon and final cemented prosthetic components created in 1991 to a revised and updated line that meets the current needs of dentists and dental technicians, a submerged implant with prosthetic components with a through screw, conometric connection (6°), platform-switching and abutments without a shoulder (to finish).

The EVO line, in fact, marks the achievement of PHI's maturity with unique features, summarises the best knowledge in implant prosthetics and is constantly evolving.

The EVO line is the result of the development of mechanical concepts that are well established in the dental world and set the benchmark for implant surgery in terms of quality, ergonomics and a fair price.

The line includes implants with variable incremental diameters, all sharing the same platform and implant connection, to facilitate their use during the prosthetic phases; PHI EVO implants have a single prosthetic connection for all implant diameters, allowing the interchangeability of prosthetic components.



#### **RAW MATERIALS AND PRODUCTION**

PHI devices are manufactured from raw materials that are selected, tested and certified for medical use. Dental implants and prosthetic components are made exclusively of Grade 5 Titanium alloy (Ti6Al4V), which complies with ASTM F136 international standards and is known for its excellent biocompatibility and mechanical properties. Kristal uses the latest generation of dedicated CNC lathes for production, which guarantee micrometric tolerances. Because of the importance of accuracy and compliance with design specifications, each production batch undergoes several 100% checks: both visual and by means of appropriate measuring instruments.

#### **SURFACE TREATMENT**

In order to further improve the surface properties of Titanium, Kristal planned several implant surface treatments for the PHI line, which can effectively accelerate and promote the osseointegration processes. Implants must regularly pass strict inspections aimed at checking not only the level of cleanliness of the implants but also the morphological and topographical characteristics and the chemical composition of the surface, which will form the interface with the bone tissue. Regular analysis involves assessing the (quantitative and qualitative) chemical composition of the most superficial layers (5 mm depth) using XPS and observing the superficial morphology under a scanning electron microscope.

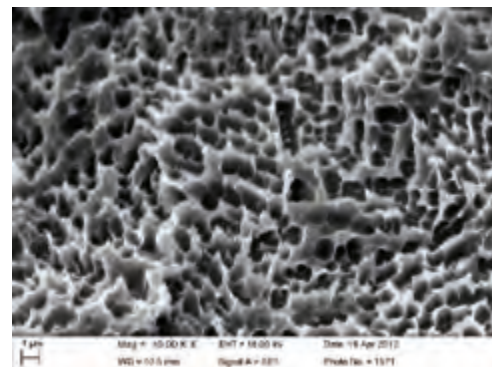
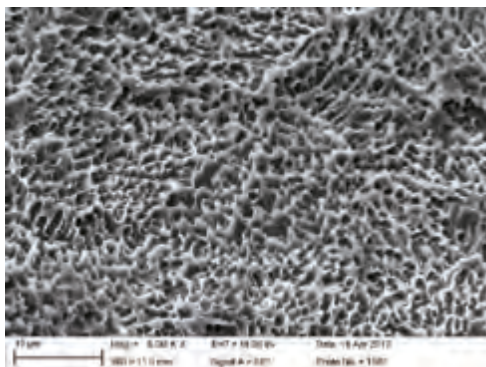
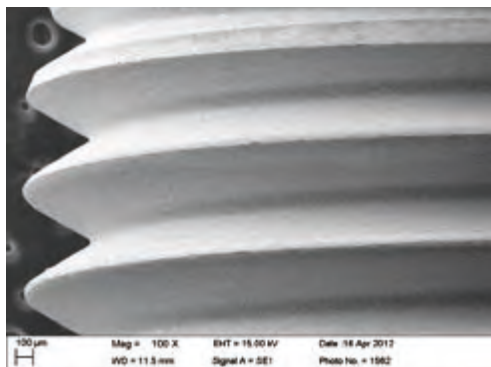
#### **DECONTAMINATION AND PACKAGING**

To ensure excellent cleanliness levels, the devices undergo a rigorous decontamination process which involves several washes to remove all contaminants from the surface. The reproducibility of the treatment and the optimisation of the process parameters allow this decontamination technique to be used with high quality standards on devices with complex geometry. Decontamination, as well as the subsequent assembly and packaging phases, take place in a dedicated room under a ISO 5 classified laminar flow hood, which ensures that the most delicate stages of the production process are carried out in an environment with particulate contamination control, constantly kept at predetermined levels in accordance with current regulations. The controlled-contamination room inside our production unit is one of Kristal's strengths, as all the activities carried out there are regulated by strict operating procedures and highly qualified staff, and being inside the facility we are certain that the parameters are kept under control during all stages of the process.

#### **STERILISATION**

Sterilisation is one of the few outsourced activities that takes place with a certified supplier. The implants are sterilised by gamma irradiation with a nominal dose of 25KGy; the efficiency of the process and the presence of a sealed package, which acts as a microbiological barrier, guarantee that sterile conditions are maintained and remain intact over time (shelf life 5 years).

## COMBINED ACID ETCHING (MAC)



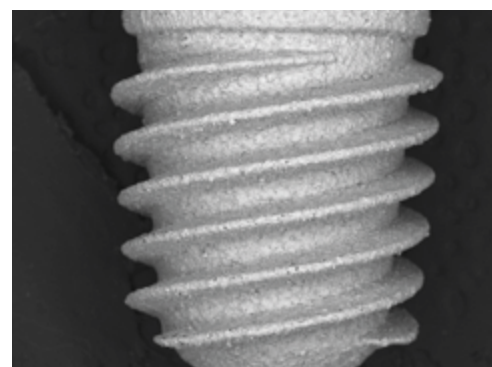
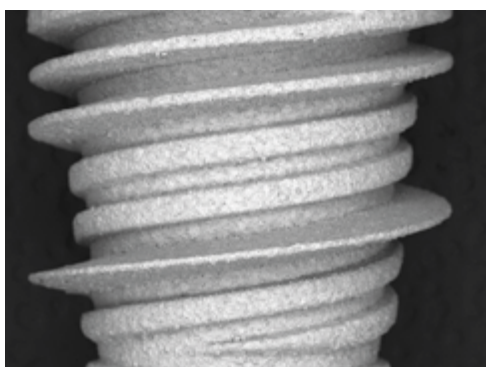
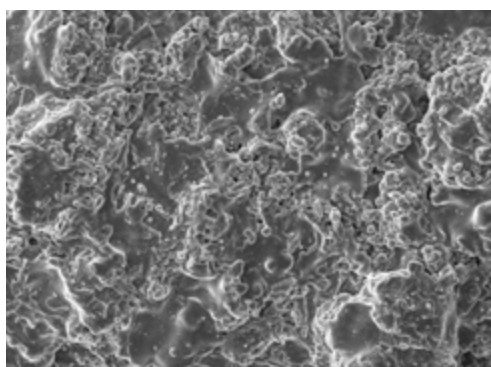
The surface is obtained by sandblasting and subsequent acidification. The surface is designed to significantly increase the contact surface and promote the differentiation of osteoblastic cells. The surface has an extensive bibliography of its efficacy and long-term stability, making it a treatment which makes the device suitable for standard conditions and with suboptimal bone

quality or quantity. The sandblasting treatment and subsequent acidification significantly increases the "% area increase" value, which represents the contact surface between the implant and the bone. This type of treatment is reliable and has been used for several years with excellent results. The surface has an average Sa surface roughness of 1.3 µ.

## TITANIUM PLASMA SPRAY (TPS)

This process is carried out by means of an electric arc plasma burner that is able to raise the temperature of a noble gas in which Titanium powders are sprayed, which, thanks to the melting of their most superficial layer, bond to the body of the implant on which they are deposited. Several studies have shown that titanium plasma-spray preparation not

only increases the surface area available for bone adhesion, but also induces an increase in the proportion of implant surface area that comes into contact with mineralised tissue, in comparison with smooth titanium implants. In clinical terms, these phenomena are reflected in a stronger bone anchorage of the implant.



## TITANIUM NITRIDE (TiN) COATING

All implants in the PHI EVO line feature Titanium Nitride (TiN) coating. Thanks to PVD technology, the coating isolates the substrate, creating a barrier that produces a high-quality, consistent coating with a dual value: aesthetic, because the gold colour does not reveal the implant against the light through the mucous tissue, and bibliographic studies have shown that it

prevents negative bacterial proliferation compared to an untreated surface. Importantly, TiN coating only modifies the surface properties of the implant without altering the substrate properties and biomechanical functionality.

**EVO**  
SELECTION  
OF THE IMPLANT



**EVO MAC GOLD IMPLANTS**

	● Ø 3.5 mm	● Ø 4.0 mm	● Ø 4.5 mm	● Ø 5.0 mm
H.8 mm	PHVSAB1	PHVSAC1	PHVSAD1	PHVSAE1
H.10 mm	PHVSAB2	PHVSAC2	PHVSAD2	PHVSAE2
H.13 mm	PHVSAB3	PHVSAC3	PHVSAD3	PHVSAE3



**EVO TPS GOLD IMPLANTS**

	● Ø 3,5 mm	● Ø 4.0 mm	● Ø 4.5 mm	● Ø 5.0 mm
H.8 mm	PHVSGB1	PHVSGC1	PHVSGD1	PHVSGE1
H.10 mm	PHVSGB2	PHVSGC2	PHVSGD2	PHVSGE2
H.13 mm	PHVSGB3	PHVSGC3	PHVSGD3	PHVSGE3



**EVO MRS GOLD IMPLANTS**





	● Ø 3,5 mm	● Ø 4.0 mm	● Ø 4.5 mm	● Ø 5.0 mm
H.8 mm			PHVSRD1	
H.10 mm		PHVSRC2	PHVSRD2	PHVSRE2



**CAP SCREW** (universal for all types of implants)





PHVVG3B	The screw is included in the implant package, housed in the cap of the vial
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## COLOUR CODING

	Ø 3.5 mm	Ø 4.0 mm	Ø 4.5 mm	Ø 5.0 mm
COLOUR				







## STEP DRILLS

	 Ø 3.5 mm	 Ø 4.0 mm	 Ø 4.5 mm	 Ø 5.0 mm
H.8 mm	PHVFRB1	PHVFRC1	PHVFRD1	PHVFRE1
H.10 mm	PHVFRB2	PHVFRC2	PHVFRD2	PHVFRE2
H.13 mm	PHVFRB3	PHVFRC3	PHVFRD3	PHVFRE3







## REAMERS

	 Ø 3.5 mm	 Ø 4.0 mm	 Ø 4.5 mm	 Ø 5.0 mm
H.8 mm	PHVALB1	PHVALC1	PHVALD1	PHVALE1
H.10 mm	PHVALB2	PHVALC2	PHVALD2	PHVALE2
H.13 mm	PHVALB3	PHVALC3	PHVALD3	PHVALE3



## pressure compensated outflow TAPPERS

	 Ø 3.5 mm	 Ø 4.0 mm	 Ø 4.5 mm	 Ø 5.0 mm
H.8 mm	PHVMSB1	PHVMSC1	PHVMSD1	PHVMSE1
H.10 mm	PHVMSB2	PHVMSC2	PHVMSD2	PHVMSE2
H.13 mm	PHVMSB3	PHVMSC3	PHVMSD3	PHVMSE3

## CORTICAL INCISION AND PILOT DRILLING

At the implant insertion point, a hole is drilled in the cortical bone with a suitable rotary instrument with a maximum diameter of 1 mm. The exposed cortical may have a sharp profile or otherwise make it difficult to correctly position the pilot drill. The simplest and least expensive from a biological point of view method is to approach the pilot drilling almost orthogonally to the buccally exposed bone.

Once the first cortical is cleared, the pilot drill is gradually aligned with the axis of the implant. Alternatively, the cortical profile can be regularised by an osteoplasty surgery.

## PRELIMINARY CAVITY DRILLING

The preliminary cavity is drilled in a single step in D2, D3, D4 bone; in D1 bone, it is done in stages. The drilling process, using a stepped drill (without lateral cutting edges), allows the drills to be self-centred in relation to the bony corticals. These, being more consistent than the spongiosa, can usefully cause small lateral displacements that bring the drill into the softer, central bone zone of the ridge.

In the cortical bone (type D1), progressive milling performs a very small amount of bone removal allowing for a very gentle cavity formation manoeuvre. The number of passes and gauges to be subsequently used depends on the type of bone texture. The chosen step drill is then placed on the contra-angle handpiece to begin execution of the preliminary cavity.

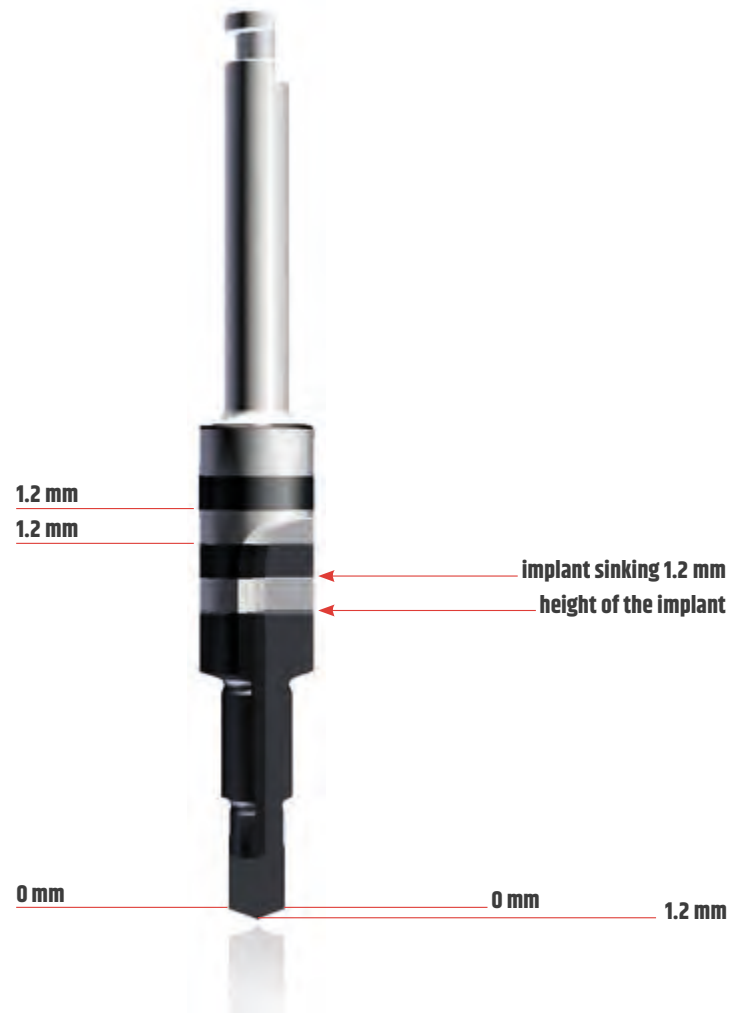
The rotation speed of the drill must be very low (30-70 rpm). It is preferable to use contra-angle handpieces with high reductions (70-260 or higher).

Place the forefinger and thumb of the left hand, mutually opposed, on the sides of the site to be operated on, place the tip of the drill in the tunnel created by the probe drill and drill along the tunnel already traced by the probe drill.

The pressure to be exerted on the handpiece is appropriate to cause the drill to sink; it tends to engage spontaneously in the canal already traced following the lesser consistency of the medulla. The line of advancement is therefore predetermined and it is the line or space of separation of the corticals. By adopting this pre-cavity drilling scheme, the possibility of unwanted gross directional errors is drastically reduced and/or removed. Trespassing from the mandible to the sublingual lodge is a potentially dangerous event due to the presence of important vascular structures. Great care must be taken to avoid this type of accident.

The characteristics of the drill are such that the contact between the burr and the cortical bone, especially the mandibular bone, is unmistakable (low rpm must be strictly applied: 30-70 rpm).

If the bone is fragile and delicate, rpm should be further lowered down to 10-20 rpm. In this way, manual sensitivity is not distorted by speed and prevents any assessment errors; at such low speeds, any damage from trespassing into soft tissue is also limited.



## NOTE

- Step cutters are made of high-strength surgical steel and DLC-coated.
- The cutting capacity of the step cutter is guaranteed for up to 20 uses, based on the type of bone and therefore the degree of wear on the cutting edges.
- Rotation speed of drill with irrigation: 30-70 rpm
- Rotation speed of drill without irrigation; MAX 40 rpm



## STEP CAVITY OSTEOTOMY

The progressive technique is fundamental because it allows the safe drilling of a very compact bone. Probe drills and drills with increasing steps are used until the required diameter is reached. The operation following the formation of the stepped cavity is the osteotomy which allows the rectification of the cavity.

The last tool to be used is the reamer whose gauge is immediately below the final diameter lastly used. The operation following the formation of the stepped cavity is the osteotomy which allows the rectification of the cavity. This operation is the cornerstone that ensures accuracy and enables repeatability. The tolerance with respect to the size of the instrument is certainly less than 5 microns when working in a sufficiently consistent tissue. Therefore, there are limitations related to the consistency of the bone. The manual osteotomy process is valid in D1-D2-D3 bone, but not in D4 bone, whose extreme rarefaction does not ensure adequate resistance to the type of forces applied. Alternatively, a step drilling of a smaller diameter than planned can be performed, after which a careful and gentle osteotomy of the cavity can be performed with the osteotome of the planned calibre. In the D4 bone, tuber region, sometimes distal mandible and in some cases of osteoporosis, the osteotome reamer is therefore not used. Diagnosis of bone density is soon made. In fact, when during milling, you have the sensation of penetrating the crumb of fresh bread, or balsa wood, you are in the presence of D4 bone, which is too soft for using the osteotome.

The osteotome is also not used in cases where the superficial cortical layer has a certain thickness, but the spongiosa is so thin that it has a D4 consistency; in such soft soil, step milling already removes the amount of tissue that should then be removed with the osteotome.

The osteotomy procedure begins with the insertion of the osteotome into the stepped cavity, where it sits for a considerable distance without forcing. Rotation is done manually using a special drum key, held between the thumb and forefinger in opposition. Once the most suitable key for the anatomical situation has been chosen, the osteotome is given a rotating movement, exerting minimum downward pressure.

In general, the pressure exerted by resting the hand on the key is sufficient.

The rotational force is as much is needed to overcome the resistance of the bone; with a smooth, progressive movement, a smooth, axial and effective rotational advance is achieved.

## NOTE

The osteotome can be used with a contra-angle handpiece adapter (15-40 rpm).

## ADVANTAGES OF MANUAL OSTEOTOMY:

- VITALITY OF THE SITE WALLS.
- VITALITY OF THE AUTOLOGOUS BONE GRAFTING.
- REGENERATION AND MONOPHASIC SURGERY.

## TAPPING

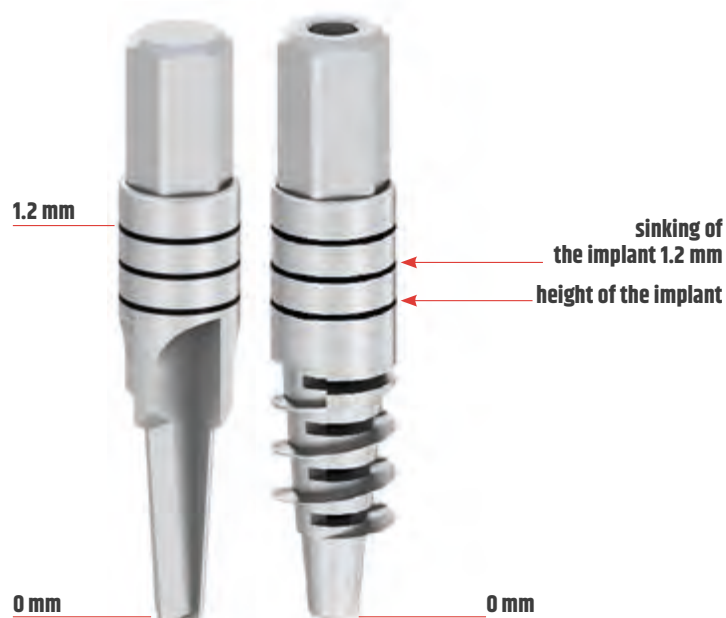
The EVO tapping device is perforated along its axis and is pressure compensated, thus facilitating the outflow of organic fluids and also allowing the collection and housing in the cavity of frustules and any residues between the filters.

Tapping devices should only be used for the corresponding implant type and diameter and should be inserted to the full depth of the implant cavity.

The use of the tapper avoids alterations in the implant structure, phenomena caused by torsion and any related deformations as it crawls into the bone to imprint its lead nut, and mainly avoids the possible self-tapping carried out by the implant surface capturing and dragging biological filamentary structures, thus causing ischaemia and/or necrosis of the surrounding tissue. Tapping is recommended in thick bone to keep the insertion torque within an appropriate range.

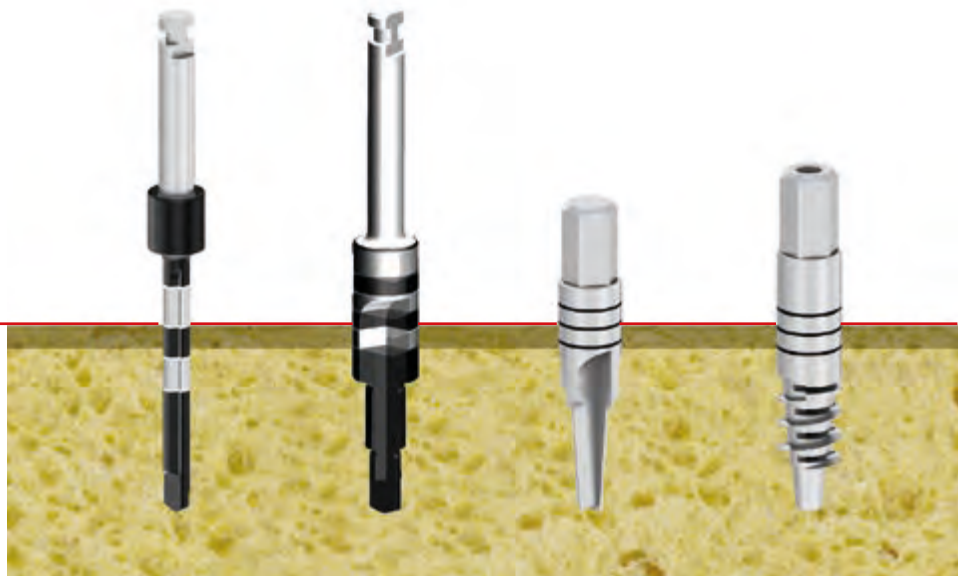
## NOTE

In the surgical method of primary healing it is essential not to cause hydraulic pressure in the bone. Osteotomy debris must be carefully removed so as not to be pressed against the walls by subsequent operations. Washing with saline alone is not sufficient to detach the coagulated residue from the walls and/or bottom of the cavity. The removal of bone remnants is done with a number zero surgical spoon. Pay attention to the effective removal of the missing residues on the osteotome; an exploration of the cavity is carried out with the spoon at a later stage, which should confirm the consistency of its walls and bottom. The action of the spoon is aimed at cleaning it and the walls should not be scraped with force, but cleaned gently. The cavity is then flushed with a 20 cc syringe of saline. The syringe needle must be of a suitable cross-section.



**NOTE**

The first notch corresponds to the height of the implant;  
The second is the recommended depth for sinking the implant (12 mm);  
The subsequent notches provide a reference when sinking;  
Step milling cutters have an over-instrumentation of the tip (1.2 mm)  
beyond the height of the implant.



## OPERCOLATING SCALPEL

DESCRIPTION	CODE
Opercolating scalpel	PHVBSBB

## INITIAL DRILLS

DESCRIPTION	CODE
Corticotomy drill	FI
Probe drill	H.7-8-10-13 mm PHVFR1C

## DEPTH STOP FOR PROBE DRILL

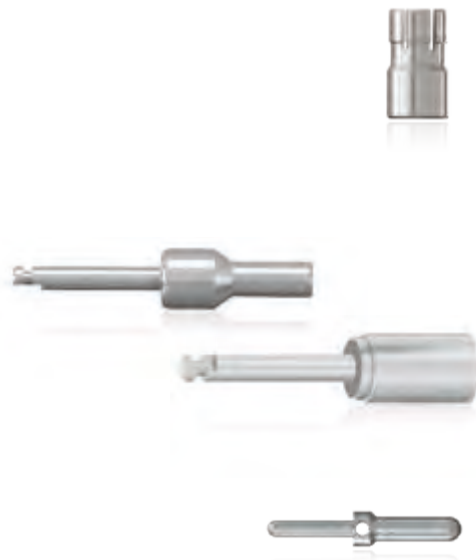
DESCRIPTION	CODE
Depth stop for probe drill H.7 mm	PHVSFS07
Stop for probe drill H.8 mm	PHVSFS08
Depth stop for probe drill H.10 mm	PHVSFS10
Stop for probe drill H.13 mm	PHVSFS13

## EXTENSIONS

DESCRIPTION	CODE
For drilling	PHVFR1P
For reamer and tapper	AVCST

## PARALLELISM PIN

DESCRIPTION	CODE
Parallelism pin	ID



### THREE PROFILES OF EMERGENCE

Healing screws come in four different configurations (low, high, extra-high and full closure) with three alternative emergence profiles to meet different aesthetic and functional requirements.

Fully enclosed (without switching-platform)

Low (1 mm switching-platform)

High (2.5 mm switching-platform)

Extra high (2.5 mm switching-platform with prolonged mucosal conditioning)



### HEALING SCREWS

	● Ø 3.5 mm	● Ø 4.0 mm	● Ø 4.5 mm	● Ø 5.0 mm
EXTRA-HIGH		PHVVTCE	PHVVTDE	PHVVTEE
HIGH	PHVVTBA	PHVVTCA	PHVVTDA	PHVVTEA
LOW	PHVVTBB	PHVVTCB	PHVVTDB	PHVVTDB
FULL CLOSURE	PHVVTBC	PHVVTCC	PHVVTDC	



### PEEK ABUTMENTS FOR PROVISIONAL SOLUTIONS

		● Ø 4.0 mm	● Ø 4.5 mm
STRAIGHT	HIGH	PHVAPCD	PHVAPD
	LOW	PHVAPCE	PHVAPDE
15° ANGLE	HIGH	PHVAPCA	
	LOW	PHVAPCB	



## LABORATORY ANALOGS

● Ø 3.5 mm	● Ø 4.0 mm	● Ø 4.5 mm	● Ø 5.0 mm
PHVBIBD	PHVBICD	PHVBIDD	

The internal cavity is the same, use analogs corresponding to the diameter of the inserted implant only when using a fully closed abutment (abutting onto the implant).

## PULL-UP TRANSFER

	● Ø 3.5 mm
High (including screw)	PHVTRBA
Low (including screw)	PHVTRBB
<b>SCREW</b>	
High (spare)	PHVTR2S
Low (spare)	PHVTR3S

## TRANSFER PICK-UP

	● Ø 4.0 mm
Transfer pick-up EVO high	PHVTPCA
EVO high pick-up transfer screw (spare)	PHVTPIV

## REMOVABLE TRANSFER (pick-up with removable hexagon)

	● Ø 3.5 mm	● Ø 4.0 mm	● Ø 4.5 mm
High (full)	PHVTSBA	PHVTSCA	PHVTSDA
Bass (full)	PHVTSBB	PHVTS CB	PHVTSDB
	<b>HEXAGONAL PIN</b>		<b>SCREW</b>
High (spare)	PHVTS2P		PHVTS3V
Low (spare)	PHVTS3P		PHVTS4V
	Short screw for EVO bars		PHVTS5V



## STRAIGHT TITANIUM ABUTMENTS

	● Ø 3.5 mm	● Ø 4.0 mm	● Ø 4.5 mm	● Ø 5.0 mm
HIGH	PHVABBA	PHVABCA	PHVABDA	PHVABEA
LOW	PHVABB	PHVABCB	PHVABDB	PHVABEB
FULL CLOSURE	PHVABBC	PHVABCC	PHVABDC	



## ANGLED TITANIUM ABUTMENTS

	● Ø 3.5 mm	● Ø 4.0 mm	● Ø 4.5 mm	● Ø 5.0 mm
15° HIGH	PHVAABA	PHVAACA	PHVAADA	PHVAAEA
15° LOW	PHVAABB	PHVAACB	PHVAADB	PHVAAEB
15° AT FULL CLOSURE	PHVAABC	PHVAACC	PHVAADC	
25° HIGH	PHVADBA	PHVADCA	PHVADDA	
25° LOW	PHVADBB	PHVADCB	PHVADDB	

## STRAIGHT CALCINABLE ABUTMENTS

	● Ø 3.5 mm	● Ø 4.0 mm	● Ø 4.5 mm	● Ø 5.0 mm
HIGH	PHVCDBA	PHVCDA	PHVCDDA	
LOW	PHVCDBB	PHVCDCB	PHVCDDB	



### PROSTHETIC SCREW

CODE (universal for all prosthetic components)

PHVAB2V



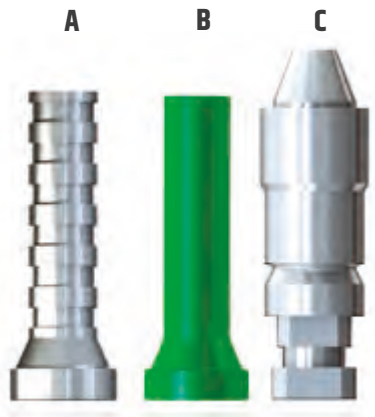
### EXTRACTOR FOR EVO ABUTMENTS

CODE

EME

**ABUTMENT FOR BONDING**

ABUTMENT	PHVMIDA
CALCINABLE CYLINDER (spare)	PHVMICC
PROTESTIVE SCREW (spare)	PHVAB2V



**TORONTO ABUTMENT**

STRAIGHT	PHVAT00
17° ANGLE	PHVAT17
30° ANGLE	PHVAT30
PEEK CAP	CMT
CALCINABLE CYLINDER	CT-C
STEEL CYLINDER	CT-I

SHORT STEEL CYLINDER	CT-IS
TITANIUM CYLINDER	CT-T
SHORT TITANIUM CYLINDER	CT-TS
MICRO TORONTO SCREW (spare)	VTMT
TORONTO LONG SCREW (Replacement)	VTLT
TORONTO ANALOG	ALT



**SCAN-BODY/SCAN-ABUTMENT**

DESCRIPTION	CODE
For <b>Toronto</b>	SBT
<b>EVO</b>	PH VAB SB

**TI-BASE EVO**

DESCRIPTION	CODE
For high <b>EVO</b> (non-rotational)	PH VTB DA
For high <b>EVO</b> (rotational)	PH VTB DA-R
For low <b>EVO</b> (non-rotational)	PH VTB DB
For low <b>EVO</b> (rotational)	PH VTB DB-R
<b>Toronto</b>	TBT



**CAD CAM EVO ANALOG**

DESCRIPTION	CODE
for <b>EVO implants</b>	PH VBI CC
for <b>Toronto</b>	ALT-CC



**EVO PREMILLED**

DESCRIPTION	CODE
for <b>EVO implants</b>	PH VAB PR



## ABUTMENTS FOR BARS

HIGH	<b>PHV0DDA</b>
LOW	<b>PHV0ddb</b>
CALCINABLE CYLINDER (spare)	<b>PHV0DCC</b>
HIGH SCREW (spare)	<b>PHV0D2A</b>
LOW SCREW (spare)	<b>PHV0D2B</b>



## BALL OVERDENTURE ATTACHMENT

	SPHERE	ABUTMENT
HIGH	<b>PHV0D4S</b>	<b>PHV0D4M</b>
LOW	<b>PHV0D5S</b>	<b>PHV0D5M</b>



## EQUATOR

HIGH	<b>130EV04A</b>
LOW	<b>130EV04B</b>



TRANSFER CLAMPING SCREWS

**Manually 8-10 NCM**

SCREWS FOR TEMPORARY ABUTMENTS

**Manually 8-10 NCM**

MICRO-SCREW FOR TORONTO ABUTMENTS

**10-15 Ncm**

ALL PROSTHETIC SCREWS

**20-25 Ncm**

PROSTHETIC COMPONENTS WITH DIRECT SCREWING ONTO IMPLANT

**25-30 Ncm**



## SCREWDRIVERS FOR TOOLS

MANUAL LOW	PHVCE5B
MANUAL MEDIUM	PHVCE5S
FROM CONTRA-ANGLE	AVCST

## SCREWDRIVERS FOR IMPLANTS

HIGH FROM RATCHET	AVMIA
MEDIUM FROM RATCHET	AVMIM
FROM CONTRA-ANGLE H. 12	AVCI12
FROM CONTRA-ANGLE H. 24	AVCI24
MANUAL HIGH	PHVCB2A
MANUAL MEDIUM	PHVCB2M

## UNIVERSAL DIGITAL BEZEL

Ø 16 mm	GUD16
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## HEXAGONAL SCREWDRIVERS Ø 1.27 mm

FROM HIGH CONTRA-ANGLE	PH-27-25
FROM MEDIUM CONTRA-ANGLE	PH-27-18
MANUAL ADAPTER	ADMA
Short hexagonal drill bit Ø 1.27 mm	AV 127 19C
Long hexagonal drill bit Ø 1.27 mm	AV 127 24C

## ANGLED SPANNERS

FOR IMPLANTS	CLAI
FOR INSTRUMENTS	CLAST
ALLEN KEY Ø 1.27 mm	B127

## DYNAMOMETRYC RATCHET

RATCHET	CRID
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## BALL ATTACHMENT KEYS

FOR Normo BALL (Ø2.5 mm)	CSF25
SQUARE SECTION FOR EQUATOR*	774CHE



\*Equator is a trademark owned by Rhein83 Srl

# EVO MODULAR SURGICAL TRAY

## SURGICAL KIT

Plastic box with removable internal trays, complete with all the surgical instruments needed for implant placement. The sequence of use of surgical instruments is simplified by colour coding.

- Ergonomic light and compact; easy to carry
- Silicone supports prevent movement of the instruments during transport
- Measuring marks for a control check
- Simple, intuitive design with laser-engraved measurements
- Simplified and optimised cleaning thanks to **silicone support which are flush to the tray** (Grommets - Less Insert®)\*
- Autoclaved at 121 °C with a minimum exposure of 30 minutes and a drying cycle of 15 minutes.

The modular box, which can contain 2 trays, is made up of the basic tray (see picture) complete with all accessories and necessary instrumentation that can be used for PHI EVO implants, the instruments for Ø3.5, plus the probe instrument and the dynamometric ratchet in the part below the tray and removable; the box is completed with the standard tray for the EVO line, which contains the rest of the available sizes.



## BASIC TRAY

- Corticotomy drill
- Probe drills
- Step drill Ø3.5 H. 8-10-13
- Reamers Ø3.5 H. 8-10-13
- Tappers Ø3.5 H. 8-10-13
- Depth stop for probe drill (h mm 8; 10; 13)
- Parallelism pin - 2 pcs
- Extension for drills
- Adapter for contra-angle reamer
- Hexagon screwdriver Ø1.27 mm (short and long)
- Manual adapter for contra-angle drill bits

- Device for picking up implant for contra-angle handpiece connection (short and long)
- Implant pick-up device for ratchet (short and long)

**BASIC TRAY**

CODE

PHMB-C



**EMPTY BOX  
FOR 2 TRAYS**

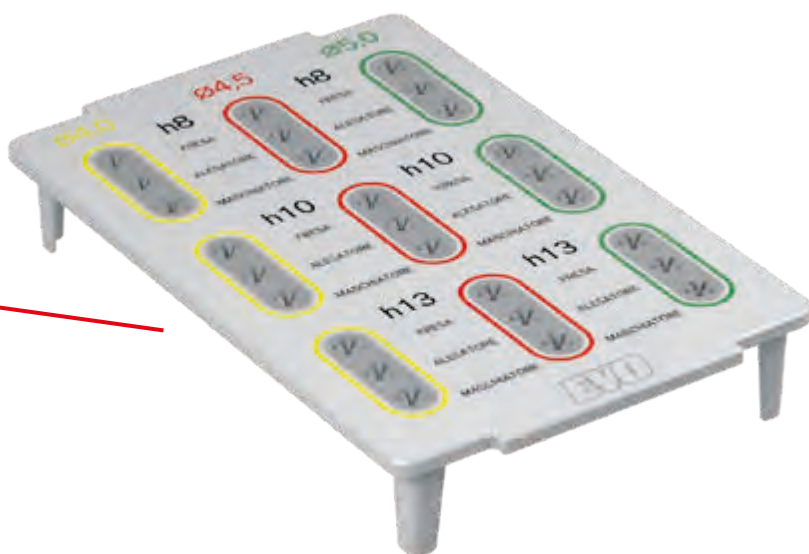
CODE TM



**EMPTY BOX FOR 1 TRAY**

CODE TS

\* EG Medical patent



### STANDARD EVO TRAY

- Step drills Ø4.0; 4.5; 5.0 x H.8; 10; 13 mm
- Reamers Ø4.0; 4.5; 5.0 x H.8; 10; 13 mm
- Tapping Attachments Ø4.0; 4.5; 5.0 x H.8; 10; 13 mm

CODE PHST-C

# CODE SUMMARY

CODE	DESCRIPTION	IMPLANTS LINE	CODE	DESCRIPTION	IMPLANTS LINE
V2IC2985-C	CORE V2 02.9 H.8.5 CLASSIC IMPLANT	V2	V2IK3812-C	K-CORE V2 03.8 H.12 CLASSIC IMPLANT	V2
V2IC2910-C	CORE V2 02.9 H.10 CLASSIC IMPLANT	V2	V2IK3813-C	K-CORE V2 03.8 H.13 CLASSIC IMPLANT	V2
V2IC2912-C	CORE V2 02.9 H.12 CLASSIC IMPLANT	V2	V2IK3815-C	K-CORE V2 03.8 H.15 CLASSIC IMPLANT	V2
V2IC2913-C	CORE V2 02.9 H.13 CLASSIC IMPLANT	V2	V2IK3817-C	K-CORE V2 03.8 H.17 CLASSIC IMPLANT	V2
V2IC2915-C	CORE V2 02.9 H.15 CLASSIC IMPLANT	V2	V2IK4285-C	K-CORE V2 04.2 H.8.5 CLASSIC IMPLANT	V2
V2IC3585-C	CORE V2 03.5 H.8.5 CLASSIC IMPLANT	V2	V2IK4210-C	K-CORE V2 04.2 H.10 CLASSIC IMPLANT	V2
V2IC3510-C	CORE V2 03.5 H.10 CLASSIC IMPLANT	V2	V2IK4212-C	K-CORE V2 04.2 H.12 CLASSIC IMPLANT	V2
V2IC3512-C	CORE V2 03.5 H.12 CLASSIC IMPLANT	V2	V2IK4213-C	K-CORE V2 04.2 H.13 CLASSIC IMPLANT	V2
V2IC3513-C	CORE V2 03.5 H.13 CLASSIC IMPLANT	V2	V2IK4215-C	K-CORE V2 04.2 H.15 CLASSIC IMPLANT	V2
V2IC3515-C	CORE V2 03.5 H.15 CLASSIC IMPLANT	V2	V2IK4217-C	K-CORE V2 04.2 H.17 CLASSIC IMPLANT	V2
V2IC3770-C	CORE V2 03.75 H.7.0 CLASSIC IMPLANT	V2	V2IK4510-C	K-CORE V2 04.5 H.10 CLASSIC IMPLANT	V2
V2IC3785-C	CORE V2 03.75 H.8.5 CLASSIC IMPLANT	V2	V2IK4512-C	K-CORE V2 04.5 H.12 CLASSIC IMPLANT	V2
V2IC3710-C	CORE V2 03.75 H.10 CLASSIC IMPLANT	V2	V2IK4513-C	K-CORE V2 04.5 H.13 CLASSIC IMPLANT	V2
V2IC3712-C	CORE V2 03.75 H.12 CLASSIC IMPLANT	V2	V2IK4515-C	K-CORE V2 04.5 H.15 CLASSIC IMPLANT	V2
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V2IC3715-C	CORE V2 03.75 H.15 CLASSIC IMPLANT	V2	V2IK5512-C	K-CORE V2 05.5 H.12 CLASSIC IMPLANT	V2
V2IC4270-C	CORE V2 04.2 H.7.0 CLASSIC IMPLANT	V2	V2IK5513-C	K-CORE V2 05.5 H.13 CLASSIC IMPLANT	V2
V2IC4285-C	CORE V2 04.2 H.8.5 CLASSIC IMPLANT	V2	V2IK5515-C	K-CORE V2 05.5 H.15 CLASSIC IMPLANT	V2
V2IC4210-C	CORE V2 04.2 H.10 CLASSIC IMPLANT	V2	V2IK3810-T	K-CORE V2 03.8 H.10 TDE IMPLANT	V2
V2IC4212-C	CORE V2 04.2 H.12 CLASSIC IMPLANT	V2	V2IK3812-T	K-CORE V2 03.8 H.12 TDE IMPLANT	V2
V2IC4213-C	CORE V2 04.2 H.13 CLASSIC IMPLANT	V2	V2IK3813-T	K-CORE V2 03.8 H.13 TDE IMPLANT	V2
V2IC4215-C	CORE V2 04.2 H.15 CLASSIC IMPLANT	V2	V2IK3815-T	K-CORE V2 03.8 H.15 TDE IMPLANT	V2
V2IC4770-C	CORE V2 04.7 H.7.0 CLASSIC IMPLANT	V2	V2IK4210-T	K-CORE V2 04.2 H.10 TDE IMPLANT	V2
V2IC4785-C	CORE V2 04.7 H.8.5 CLASSIC IMPLANT	V2	V2IK4212-T	K-CORE V2 04.2 H.12 TDE IMPLANT	V2
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V2IC4712-C	CORE V2 04.7 H.12 CLASSIC IMPLANT	V2	V2IK4215-T	K-CORE V2 04.2 H.15 TDE IMPLANT	V2
V2IC4713-C	CORE V2 04.7 H.13 CLASSIC IMPLANT	V2	V2IK4510-T	K-CORE V2 04.5 H.10 TDE IMPLANT	V2
V2IC4715-C	CORE V2 04.7 H.15 CLASSIC IMPLANT	V2	V2IK4512-T	K-CORE V2 04.5 H.12 TDE IMPLANT	V2
V2IC5285-C	CORE V2 05.2 H.8.5 CLASSIC IMPLANT	V2	V2IK4513-T	K-CORE V2 04.5 H.13 TDE IMPLANT	V2
V2IC5210-C	CORE V2 05.2 H.10 CLASSIC IMPLANT	V2	V2IK4515-T	K-CORE V2 04.5 H.15 TDE IMPLANT	V2
V2IC5212-C	CORE V2 05.2 H.12 CLASSIC IMPLANT	V2	V2IK5510-T	K-CORE V2 05.5 H.10 TDE IMPLANT	V2
V2IC5213-C	CORE V2 05.2 H.13 CLASSIC IMPLANT	V2	V2IK5512-T	K-CORE V2 05.5 H.12 TDE IMPLANT	V2
V2IC3510-S	CORE V2 03.5 H.10 SIMPLE IMPLANT	V2	V2IK5513-T	K-CORE V2 05.5 H.13 TDE IMPLANT	V2
V2IC3512-S	CORE V2 03.5 H.12 SIMPLE IMPLANT	V2	40PL001	PLUS CLASSIC 03.25 H.8.5 IMPLANT	PLUS
V2IC3513-S	CORE V2 03.5 H.13 SIMPLE IMPLANT	V2	40PL002	PLUS CLASSIC 03.25 H.10 IMPLANT	PLUS
V2IC3785-S	CORE V2 03.75 H.8.5 SIMPLE IMPLANT	V2	40PL003	PLUS CLASSIC 03.25 H.12 IMPLANT	PLUS
V2IC3710-S	CORE V2 03.75 H.10 SIMPLE IMPLANT	V2	40PL004	PLUS CLASSIC 03.25 H.13 IMPLANT	PLUS
V2IC3712-S	CORE V2 03.75 H.12 SIMPLE IMPLANT	V2	40PL173	PLUS CLASSIC 03.25 H.15 IMPLANT	PLUS
V2IC3713-S	CORE V2 03.75 H.13 SIMPLE IMPLANT	V2	40PL006	PLUS CLASSIC 03.75 H.7 IMPLANT	PLUS
V2IC3715-S	CORE V2 03.75 H.15 SIMPLE IMPLANT	V2	40PL007	PLUS CLASSIC 03.75 H.8.5 IMPLANT	PLUS
V2IC4285-S	CORE V2 04.2 H.8.5 SIMPLE IMPLANT	V2	40PL008	PLUS CLASSIC 03.75 H.10 IMPLANT	PLUS
V2IC4210-S	CORE V2 04.2 H.10 SIMPLE IMPLANT	V2	40PL010	PLUS CLASSIC 03.75 H.12 IMPLANT	PLUS
V2IC4212-S	CORE V2 04.2 H.12 SIMPLE IMPLANT	V2	40PL011	PLUS CLASSIC 03.75 H.13 IMPLANT	PLUS
V2IC4213-S	CORE V2 04.2 H.13 SIMPLE IMPLANT	V2	40PL012	PLUS CLASSIC 03.75 H.15 IMPLANT	PLUS
V2IC4215-S	CORE V2 04.2 H.15 SIMPLE IMPLANT	V2	40PL028	PLUS CLASSIC 04.0 H.8.5 IMPLANT	PLUS
V2IC4785-S	CORE V2 04.7 H.8.5 SIMPLE IMPLANT	V2	40PL029	PLUS CLASSIC 04.0 H.10 IMPLANT	PLUS
V2IC4710-S	CORE V2 04.7 H.10 SIMPLE IMPLANT	V2	40PL030	PLUS CLASSIC 04.0 H.12 IMPLANT	PLUS
V2IC4712-S	CORE V2 04.7 H.12 SIMPLE IMPLANT	V2	40PL031	PLUS CLASSIC 04.0 H.13 IMPLANT	PLUS
V2IC4713-S	CORE V2 04.7 H.13 SIMPLE IMPLANT	V2	40PL032	PLUS CLASSIC 04.0 H.15 IMPLANT	PLUS
V2IK3510-C	K-CORE V2 03.5 H.10 CLASSIC IMPLANT	V2	40PL041	PLUS CLASSIC 05.0 H.7 IMPLANT	PLUS
V2IK3512-C	K-CORE V2 03.5 H.12 CLASSIC IMPLANT	V2	40PL042	PLUS CLASSIC 05.0 H.8.5 IMPLANT	PLUS
V2IK3513-C	K-CORE V2 03.5 H.13 CLASSIC IMPLANT	V2	40PL043	PLUS CLASSIC 05.0 H.10 IMPLANT	PLUS
V2IK3515-C	K-CORE V2 03.5 H.15 CLASSIC IMPLANT	V2	40PL045	PLUS CLASSIC 05.0 H.12 IMPLANT	PLUS
V2IK3885-C	K-CORE V2 03.8 H.8.5 CLASSIC IMPLANT	V2	40PL046	PLUS CLASSIC 05.0 H.13 IMPLANT	PLUS
V2IK3810-C	K-CORE V2 03.8 H.10 CLASSIC IMPLANT	V2	PHVSAB1	EVO MAC GOLD 03.5 H.8 IMPLANT	EVO
			PHVSAB2	EVO MAC GOLD 03.5 H.10 IMPLANT	EVO

CODE	DESCRIPTION	IMPLANTS LINE
PHVSAB3	EVO MAC GOLD Ø3.5 H.13 IMPLANT	<a href="#">EVO</a>
PHVSAC1	EVO MAC GOLD Ø4.0 H.8 IMPLANT	<a href="#">EVO</a>
PHVSAC2	EVO MAC GOLD Ø4.0 H.10 IMPLANT	<a href="#">EVO</a>
PHVSAC3	EVO MAC GOLD Ø4.0 H.13 IMPLANT	<a href="#">EVO</a>
PHVSAD1	EVO MAC GOLD Ø4.5 H.8 IMPLANT	<a href="#">EVO</a>
PHVSAD2	EVO MAC GOLD Ø4.5 H.10 IMPLANT	<a href="#">EVO</a>
PHVSAD3	EVO MAC GOLD Ø4.5 H.13 IMPLANT	<a href="#">EVO</a>
PHVSAE1	EVO MAC GOLD Ø5.0 H.8 IMPLANT	<a href="#">EVO</a>
PHVSAE2	EVO MAC GOLD Ø5.0 H.10 IMPLANT	<a href="#">EVO</a>
PHVSGB1	EVO TPS GOLD Ø3.5 H.8 IMPLANT	<a href="#">EVO</a>
PHVSGB2	EVO TPS GOLD Ø3.5 H.10 IMPLANT	<a href="#">EVO</a>
PHVSGB3	EVO TPS GOLD Ø3.5 H.13 IMPLANT	<a href="#">EVO</a>
PHVSGC1	EVO TPS GOLD Ø4.0 H.8 IMPLANT	<a href="#">EVO</a>
PHVSGC2	EVO TPS GOLD Ø4.0 H.10 IMPLANT	<a href="#">EVO</a>
PHVSGC3	EVO TPS GOLD Ø4.0 H.13 IMPLANT	<a href="#">EVO</a>
PHVSGD1	EVO TPS GOLD Ø4.5 H.8 IMPLANT	<a href="#">EVO</a>
PHVSGD2	EVO TPS GOLD Ø4.5 H.10 IMPLANT	<a href="#">EVO</a>
PHVSGD3	EVO TPS GOLD Ø4.5 H.13 IMPLANT	<a href="#">EVO</a>
PHVSGE1	EVO TPS GOLD Ø5.0 H.8 IMPLANT	<a href="#">EVO</a>
PHVSGE2	EVO TPS GOLD Ø5.0 H.10 IMPLANT	<a href="#">EVO</a>
PHVSGE3	EVO TPS GOLD Ø5.0 H.13 IMPLANT	<a href="#">EVO</a>
PHVSR2	EVO MRS GOLD Ø4.0 H.10 IMPLANT	<a href="#">EVO</a>
PHVSRD1	EVO MRS GOLD Ø4.5 H.8 IMPLANT	<a href="#">EVO</a>
PHVSRD2	EVO MRS GOLD Ø4.5 H.10 IMPLANT	<a href="#">EVO</a>
PHVSR2	EVO MRS GOLD Ø5.0 H.10 IMPLANT	<a href="#">EVO</a>

**DRILLS**

FI	INITIAL DRILL (FOR CORTICOTOMY)	<a href="#">V2 / PLUS / EVO</a>
FSC2	DRILL Ø2.0	<a href="#">V2 / PLUS</a>
FSC25-F-3T	V2 SUPER CUT DRILL Ø2.5	<a href="#">V2</a>
FSC28-C-3T	V2 SUPER CUT DRILL Ø2.8	<a href="#">V2</a>
FSC3-Y-3T	V2 SUPER CUT DRILL Ø3.0	<a href="#">V2</a>
FSC36-B-3T	V2 SUPER CUT DRILL Ø3.65	<a href="#">V2</a>
FSC38-G-3T	V2 SUPER CUT DRILL Ø3.85	<a href="#">V2</a>
FSC42-N-3T	V2 SUPER CUT DRILL Ø4.2	<a href="#">V2</a>
FK3510	K-CORE V2 Ø3.5 H.10 CONICAL DRILL	<a href="#">V2</a>
FK3512	K-CORE V2 Ø3.5 H.12 CONICAL DRILL	<a href="#">V2</a>
FK3513	K-CORE V2 Ø3.5 H.13 CONICAL DRILL	<a href="#">V2</a>
FK3515	K-CORE V2 Ø3.5 H.13 CONICAL DRILL	<a href="#">V2</a>
FK3885	K-CORE V2 Ø3.8 H.8.5 CONICAL DRILL	<a href="#">V2</a>
FK3810	K-CORE V2 Ø3.8 H.10 CONICAL DRILL	<a href="#">V2</a>
FK3812	K-CORE V2 Ø3.8 H.12 CONICAL DRILL	<a href="#">V2</a>
FK3813	K-CORE V2 Ø3.8 H.13 CONICAL DRILL	<a href="#">V2</a>
FK3815	K-CORE V2 Ø3.8 H.15 CONICAL DRILL	<a href="#">V2</a>
FK3817	K-CORE V2 Ø3.8 H.17 CONICAL DRILL	<a href="#">V2</a>
FK4285	K-CORE V2 Ø4.2 H.8.5 CONICAL DRILL	<a href="#">V2</a>
FK4210	K-CORE V2 Ø4.2 H.10 CONICAL DRILL	<a href="#">V2</a>
FK4212	K-CORE V2 Ø4.2 H.12 CONICAL DRILL	<a href="#">V2</a>
FK4213	K-CORE V2 Ø4.2 H.13 CONICAL DRILL	<a href="#">V2</a>
FK4215	K-CORE V2 Ø4.2 H.15 CONICAL DRILL	<a href="#">V2</a>
FK4217	K-CORE V2 Ø4.2 H.17 CONICAL DRILL	<a href="#">V2</a>
FK4510	K-CORE V2 Ø4.5 H.10 CONICAL DRILL	<a href="#">V2</a>
FK4512	K-CORE V2 Ø4.5 H.12 CONICAL DRILL	<a href="#">V2</a>
FK4513	K-CORE V2 Ø4.5 H.13 CONICAL DRILL	<a href="#">V2</a>
FK4515	K-CORE V2 Ø4.5 H.15 CONICAL DRILL	<a href="#">V2</a>
FK5510	K-CORE V2 Ø5.5 H.10 CONICAL DRILL	<a href="#">V2</a>

CODE	DESCRIPTION	IMPLANTS LINE
FK5512	K-CORE V2 Ø5.5 H.12 CONICAL DRILL	<a href="#">V2</a>
FK5513	K-CORE V2 Ø5.5 H.13 CONICAL DRILL	<a href="#">V2</a>
FK5515	K-CORE V2 Ø5.5 H.15 CONICAL DRILL	<a href="#">V2</a>
40FR099	PLUS SUPER CUT Ø2.8 DRILL	<a href="#">PLUS</a>
40FR097	PLUS SUPER CUT Ø3.0 DRILL	<a href="#">PLUS</a>
40FR100	PLUS SUPER CUT Ø3.3 DRILL	<a href="#">PLUS</a>
40FR116	PLUS SUPER CUT Ø4.2 DRILL	<a href="#">PLUS</a>
PHVFR1C	PROBE DRILL	<a href="#">EVO</a>
PHVFRB1	EVO STEP Ø3.5 H.8 DRILL	<a href="#">EVO</a>
PHVFRB2	EVO STEP Ø3.5 H.10 DRILL	<a href="#">EVO</a>
PHVFRB3	EVO STEP Ø3.5 H.13 DRILL	<a href="#">EVO</a>
PHVFR1C	EVO STEP Ø4.0 H.8 DRILL	<a href="#">EVO</a>
PHVFR2C	EVO STEP Ø4.0 H.10 DRILL	<a href="#">EVO</a>
PHVFR3C	EVO STEP Ø4.0 H.13 DRILL	<a href="#">EVO</a>
PHVFRD1	EVO STEP Ø4.5 H.8 DRILL	<a href="#">EVO</a>
PHVFRD2	EVO STEP Ø4.5 H.10 DRILL	<a href="#">EVO</a>
PHVFRD3	EVO STEP Ø4.5 H.13 DRILL	<a href="#">EVO</a>
PHVFRE1	EVO STEP Ø5.0 H.8 DRILL	<a href="#">EVO</a>
PHVFRE2	EVO STEP Ø5.0 H.10 DRILL	<a href="#">EVO</a>
PHVFRE3	EVO STEP Ø5.0 H.13 DRILL	<a href="#">EVO</a>

**DEPTH STOPS FOR DRILLS**

STSC2-70	Ø2.0 H.7 DRILL DEPTH STOP	<a href="#">V2</a>
STSC2-85	Ø2.0 H.8.5 STOP DRILL	<a href="#">V2</a>
STSC2-10	Ø2.0 H.10 STOP DRILL	<a href="#">V2</a>
STSC2-12	Ø2.0 H.12 DRILL DEPTH STOP	<a href="#">V2</a>
STSC2-13	Ø2.0 H.13 DRILL DEPTH STOP	<a href="#">V2</a>
STSC2-15	Ø2.0 H.15 DRILL DEPTH STOP	<a href="#">V2</a>
STSC25F-70	V2 Ø2.5 H.7 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC25F-85	V2 Ø2.5 H.8.5 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC25F-10	V2 Ø2.5 H.10 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC25F-12	V2 Ø2.5 H.12 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC25F-13	V2 Ø2.5 H.13 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC25F-15	V2 Ø2.5 H.15 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC28C-70	V2 Ø2.8 H.7 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC28C-85	V2 Ø2.8 H.8.5 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC28C-10	V2 Ø2.8 H.10 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC28C-12	V2 Ø2.8 H.12 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC28C-13	V2 Ø2.8 H.13 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC28C-15	V2 Ø2.8 H.15 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC3Y-70	V2 Ø3 H.7 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC3Y-85	V2 Ø3 H.8.5 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC3Y-10	V2 Ø3 H.10 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC3Y-12	V2 Ø3 H.12 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC3Y-13	V2 Ø3 H.13 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC3Y-15	V2 Ø3 H.15 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC36B-70	V2 Ø3.65 H.7 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC36B-85	V2 Ø3.65 H.8.5 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC36B-10	V2 Ø3.65 H.10 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC36B-12	V2 Ø3.65 H.12 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC36B-13	V2 Ø3.65 H.13 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC36B-15	V2 Ø3.65 H.15 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC38G-70	V2 Ø3.85 H.7 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>
STSC38G-85	V2 Ø3.85 H.8.5 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC38G-10	V2 Ø3.85 H.10 STOP SUPER CUT DRILL	<a href="#">V2</a>
STSC38G-12	V2 Ø3.85 H.12 SUPER CUT DRILL DEPTH STOP	<a href="#">V2</a>

## CODE SUMMARY

CODE	DESCRIPTION	IMPLANTS LINE
STSC38G-13	V2 Ø3.85 H.13 SUPER CUT DRILL DEPTH STOP	V2
STSC38G-15	V2 Ø3.85 H.15 SUPER CUT DRILL DEPTH STOP	V2
STSC42N-85	V2 Ø4.2 H.8.5 SUPER CUT DRILL DEPTH STOP	V2
STSC42N-10	V2 Ø4.2 H.10 STOP SUPER CUT DRILL	V2
STSC42N-12	V2 Ø4.2 H.12 STOP SUPER CUT DRILL	V2
STSC42N-13	V2 Ø4.2 H.13 SUPER CUT DRILL DEPTH STOP	V2
STSC42N-15	V2 Ø4.2 H.15 SUPER CUT DRILL DEPTH STOP	V2
STFK35-F	V2 Ø3.5 CONICAL K-CORE DRILL DEPTH STOP	V2
STFK38-C	V2 Ø3.8 CONICAL K-CORE DRILL DEPTH STOP	V2
STFK42-Y	V2 Ø4.2 CONICAL K-CORE DRILL DEPTH STOP	V2
STFK45-B	V2 Ø4.5 CONICAL K-CORE DRILL DEPTH STOP	V2
STFK55-N	V2 Ø5.5 CONICAL K-CORE DRILL DEPTH STOP	V2
40AC258	Ø3.3 H.7 PLUS DRILL DEPTH STOP	PLUS
40AC259	Ø3.3 H.8.5 STOP PLUS DRILL	PLUS
40AC260	Ø3.3 H.10 STOP PLUS DRILL	PLUS
40AC262	Ø3.3 H.12 PLUS DRILL DEPTH STOP	PLUS
40AC263	Ø3.3 H.13 PLUS DRILL DEPTH STOP	PLUS
40AC264	Ø3.3 H.15 PLUS DRILL DEPTH STOP	PLUS
40AC239	Ø3 H.7 PLUS DRILL DEPTH STOP	PLUS
40AC238	Ø3 H.8.5 STOP PLUS DRILL	PLUS
40AC237	Ø3 H.10 STOP PLUS DRILL	PLUS
40AC236	Ø3 H.12 PLUS DRILL DEPTH STOP	PLUS
40AC235	Ø3 H.13 PLUS DRILL DEPTH STOP	PLUS
40AC234	Ø3 H.15 PLUS DRILL DEPTH STOP	PLUS
40AC251	Ø2.8 H.8.5 PLUS DRILL DEPTH STOP	PLUS
40AC252	Ø2.8 H.10 STOP PLUS DRILL	PLUS
40AC254	Ø2.8 H.12 STOP PLUS DRILL	PLUS
40AC255	Ø2.8 H.13 PLUS DRILL DEPTH STOP	PLUS
40AC256	Ø2.8 H.15 PLUS DRILL DEPTH STOP	PLUS
40AC366	Ø4.2 H.7 PLUS DRILL DEPTH STOP	PLUS
40AC369	Ø4.2 H.8.5 STOP PLUS DRILL	PLUS
40AC370	Ø4.2 H.10 STOP PLUS DRILL	PLUS
40AC371	Ø4.2 H.12 PLUS DRILL DEPTH STOP	PLUS
40AC372	Ø4.2 H.13 PLUS DRILL DEPTH STOP	PLUS
40AC373	Ø4.2 H.15 PLUS DRILL DEPTH STOP	PLUS
PHVSFC1	H.8 PROBE PHI DRILL DEPTH STOP	EVO
PHVSFC2	H.10 STOP PROBE PHI DRILL	EVO
PHVSFC3	H.13 STOP PROBE PHI DRILL	EVO

### COUNTERSINKS

V2SV29-F	V2 CORE COUNTERSINK Ø2.9	V2
V2SV35-C	V2 CORE COUNTERSINK Ø3.5	V2
V2SV37-Y	V2 CORE COUNTERSINK Ø3.75	V2
V2SV42-B	V2 CORE COUNTERSINK Ø4.2	V2
V2SV47-G	V2 CORE COUNTERSINK Ø4.7	V2
V2SV52-N	V2 CORE COUNTERSINK Ø5.2	V2
40FR114	PLUS COUNTERSINK Ø3.25	PLUS
40FR115	PLUS COUNTERSINK Ø3.75	PLUS
40FR113	PLUS COUNTERSINK Ø4.0	PLUS
40FR111	PLUS COUNTERSINK Ø5.0	PLUS

### DEPTH STOPS FOR COUNTERSINKS

STSV29-F	V2 COUNTERSINK DEPTH STOP Ø2.9	V2
STSV35-C	V2 COUNTERSINK DEPTH STOP Ø3.5	V2
STSV37-Y	V2 COUNTERSINK DEPTH STOP Ø3.75	V2
STSV42-B	V2 COUNTERSINK DEPTH STOP Ø4.2	V2
STSV47-G	V2 COUNTERSINK DEPTH STOP Ø4.7	V2
STSV52-N	V2 COUNTERSINK DEPTH STOP Ø5.2	V2

CODE	DESCRIPTION	IMPLANTS LINE
<b>REAMERS</b>		
PHVALB1	EVO REAMER Ø3.5 H.8	EVO
PHVALB2	EVO REAMER Ø3.5 H.10	EVO
PHVALB3	EVO REAMER Ø3.5 H.13	EVO
PHVALC1	EVO REAMER Ø4.0 H.8	EVO
PHVALC2	EVO REAMER Ø4.0 H.10	EVO
PHVALC3	EVO REAMER Ø4.0 H.13	EVO
PHVALD1	EVO REAMER Ø4.5 H.8	EVO
PHVALD2	EVO REAMER Ø4.5 H.10	EVO
PHVALD3	EVO REAMER Ø4.5 H.13	EVO
PHVALE1	EVO REAMER Ø5.0 H.8	EVO
PHVALE2	EVO REAMER Ø5.0 H.10	EVO
PHVALE3	EVO REAMER Ø5.0 H.13	EVO

### TAPPERS

V2MC29-F	CORE V2 TAPPER Ø2.9	V2
V2MC35-C	CORE V2 TAPPER Ø3.5	V2
V2MC37-Y	CORE V2 TAPPER Ø3.75	V2
V2MC42-B	CORE V2 TAPPER Ø4.2	V2
V2MC47-G	CORE V2 TAPPER Ø4.7	V2
V2MC52-N	CORE V2 TAPPER Ø5.2	V2
V2MK35-F	K-CORE V2 TAPPER Ø3.5	V2
V2MK38-B	K-CORE V2 TAPPER Ø3.8	V2
V2MK42-Y	K-CORE V2 TAPPER Ø4.2	V2
V2MK45-B	K-CORE V2 TAPPER Ø4.5	V2
V2MK55-N	K-CORE V2 TAPPER Ø5.5	V2
40FR014	PLUS TAPPER Ø3.25	PLUS
40FR106	PLUS TAPPER Ø3.75	PLUS
40FR107	PLUS TAPPER Ø4.0	PLUS
40FR029	PLUS TAPPER Ø5.0	PLUS
PHVMSB1	EVO TAPPER Ø3.5 H.8	EVO
PHVMSB2	EVO TAPPER Ø3.5 H.10	EVO
PHVMSB3	EVO TAPPER Ø3.5 H.13	EVO
PHVMSC1	EVO TAPPER Ø4.0 H.8	EVO
PHVMSC2	EVO TAPPER Ø4.0 H.10	EVO
PHVMSC3	EVO TAPPER Ø4.0 H.13	EVO
PHVMSD1	EVO TAPPER Ø4.5 H.8	EVO
PHVMSD2	EVO TAPPER Ø4.5 H.10	EVO
PHVMSD3	EVO TAPPER Ø4.5 H.13	EVO
PHVMSE1	EVO TAPPER Ø5.0 H.8	EVO
PHVMSE2	EVO TAPPER Ø5.0 H.10	EVO
PHVMSE3	EVO TAPPER Ø5.0 H.13	EVO

### HEALING ABUTMENTS

V2PG292	V2 HEALING ABUTMENT Ø2.9 H.2	V2
V2PG294	HEALING ABUTMENT V2 Ø2.9 H.4	V2
V2PG296	HEALING ABUTMENT V2 Ø2.9 H.6	V2
V2PGNR2	V2 HEALING ABUTMENT NARROW H.2	V2
V2PGNR4	HEALING ABUTMENT V2 NARROW H.4	V2
V2PGNR6	HEALING ABUTMENT V2 NARROW H.6	V2
V2PGRG2	V2 HEALING ABUTMENT REGULAR H.2	V2
V2PGRG4	HEALING ABUTMENT V2 REGULAR H.4	V2
V2PGRG6	HEALING ABUTMENT V2 REGULAR H.6	V2
V2PGWD2	V2 HEALING ABUTMENT WIDE H.2	V2
V2PGWD4	V2 HEALING ABUTMENT WIDE H.4	V2
V2PGWD6	V2 HEALING ABUTMENT WIDE H.6	V2
40PLO60	PLUS H.2 HEALING ABUTMENT PLATFORM Ø4.1	PLUS
40PLO61	PLUS H.4 HEALING ABUTMENT PLATFORM Ø4.1	PLUS

# CODE SUMMARY

CODE	DESCRIPTION	IMPLANTS LINE
40PL062	PLUS H.6 HEALING ABUTMENT PLATFORM 04.1	PLUS
40PL196	PLUS H.2 HEALING ABUTMENT PLATFORM 05.0	PLUS
40PL197	PLUS H.4 HEALING ABUTMENT PLATFORM 05.0	PLUS
PHVVTBA	EVO HEALING SCREW 03.5 HIGH	EVO
PHVVTBB	EVO HEALING SCREW 03.5 LOW	EVO
PHVVTBC	EVO FULL CLOSURE HEALING SCREW 03.5	EVO
PHVVTCA	EVO HEALING SCREW 04.0 HIGH	EVO
PHVVTCB	EVO HEALING SCREW 04.0 LOW	EVO
PHVVTCC	EVO FULL CLOSURE HEALING SCREW 04.0	EVO
PHVVTCE	EVO EXTRA-HIGH HEALING SCREW 04.0	EVO
PHVVTDA	EVO HEALING SCREW 04.5 HIGH	EVO
PHVVTDB	EVO HEALING SCREW 04.5 LOW	EVO
PHVVTDC	EVO FULL CLOSURE HEALING SCREW 04.5	EVO
PHVVTDE	EVO EXTRA-HIGH HEALING SCREW 04.5	EVO
PHVVTEA	EVO HEALING SCREW 05.0 HIGH	EVO
PHVVTEB	EVO HEALING SCREW 05.0 LOW	EVO
PHVVTEE	EVO EXTRA-HIGH HEALING SCREW 05.0	EVO

## LABORATORY ANALOGS

ALT	TORONTO ANALOG	V2 / PLUS / EVO
V2AL29	V2 ANALOG PLATFORM 03.4	V2
V2AL	V2 ANALOG PLATFORM 03.5	V2
40AC150	PLUS ANALOG PLATFORM 04.1	PLUS
40AC151	PLUS ANALOG PLATFORM 05.0	PLUS
PHVBIBD	EVO ANALOG 03.5	EVO
PHVBICD	EVO ANALOG 04.0	EVO
PHVBIDD	EVO ANALOG 04.5	EVO

## MOUNTING DEVICES

V2DM29	03.4 PLATFORM IMPLANT MOUNTING DEVICE	V2
V2TPMDNR	TA2 MOUNTING DEVICE NARROW	V2
V2TPMDRG	TA2 MOUNTING DEVICE REGULAR	V2
PLDM41	MTA3 PLATFORM MOUNTING DEVICE 04.1	PLUS
PLDM50	MTA3 PLATFORM MOUNTING DEVICE 05.0	PLUS

## IMPRESSION TRANSFER

V2TS29	V2 PULL-UP TRANSFER 02.9	V2
V2TS29-V	V2 PULL-UP TRANSFER SCREW 02.9 (spare)	V2
V2TSNR	V2 PULL-UP TRANSFER NARROW	V2
V2TSRG	V2 PULL-UP TRANSFER REGULAR	V2
V2TSWD	V2 PULL-UP TRANSFER WIDE	V2
V2TS-V	V2 PULL-UP TRANSFER SCREW (spare)	V2
V2TP29	V2 PICK-UP TRANSFER 02.9	V2
V2TP29-V	V2 PICK-UP TRANSFER SCREW 02.9 (spare)	V2
V2TPNR	V2 PICK-UP TRANSFER NARROW	V2
V2TPRG	V2 PICK-UP TRANSFER REGULAR	V2
V2TPWD	V2 PICK-UP TRANSFER WIDE	V2
V2TP-V	V2 PICK-UP TRANSFER SCREW (spare)	V2
V2TSF	V2 REMOVABLE TRANSFER	V2
V2TSF-P	V2 REMOVABLE TRANSFER HEXAGONAL PIN (spare)	V2
V2TSF-V	V2 REMOVABLE TRANSFER SCREW (spare)	V2
V2TSF-S	V2 REMOVABLE TRANSFER SHORT	V2
V2TSF-PS	V2 REMOVABLE TRANSFER HEXAGONAL PIN SHORT (spare)	V2
V2TSF-VS	V2 REMOVABLE TRANSFER SCREW SHORT (spare)	V2
40AC172	PLUS PULL-UP TRANSFER PLATFORM 04.1	PLUS
40AC174	PLUS PULL-UP TRANSFER PLATFORM 05.0	PLUS
PLTS-V	PLUS PULL-UP TRANSFER SCREW (spare)	PLUS
40AC170	PLUS PICK-UP TRANSFER PLATFORM 04.1	PLUS

CODE	DESCRIPTION	IMPLANTS LINE
40AC173	PLUS PICK-UP TRANSFER PLATFORM 05.0	PLUS
PLTP-V	PLUS PICK-UP TRANSFER SCREW (spare)	PLUS
PHVTRBA	EVO HIGH PULL-UP TRANSFER (PLATFORM 03.5)	EVO
PHVTR2S	EVO HIGH PULL-UP TRANSFER SCREW (spare)	EVO
PHVTRBB	EVO LOW PULL-UP TRANSFER (PLATFORM 03.5)	EVO
PHVTR3S	EVO LOW PULL-UP TRANSFER SCREW (spare)	EVO
PHVTPCA	EVO HIGH PICK-UP TRANSFER (PLATFORM 04.0)	EVO
PHVTP1V	EVO HIGH PICK-UP TRANSFER SCREW (spare)	EVO
PHVTSBA	EVO 03.5 HIGH REMOVABLE TRANSFER	EVO
PHVTSBB	EVO 03.5 LOW REMOVABLE TRANSFER	EVO
PHVTSKA	EVO 04.0 HIGH REMOVABLE TRANSFER	EVO
PHVTSKB	EVO 04.0 LOW REMOVABLE TRANSFER	EVO
PHVTSKA	EVO 04.0 HIGH REMOVABLE TRANSFER	EVO
PHVTSDB	EVO 04.5 LOW REMOVABLE TRANSFER	EVO
PHVTS2P	EVO REMOVABLE TRANSFER HEXAGONAL PIN HIGH (spare)	EVO
PHVTS3P	EVO REMOVABLE TRANSFER HEXAGONAL PIN LOW (spare)	EVO
PHVTS3V	EVO HIGH REMOVABLE TRANSFER SCREW (spare)	EVO
PHVTS4V	EVO LOW-REMOVABLE TRANSFER SCREW (spare)	EVO
PHVTS5V	SHORT SCREW FOR BAR WITH EVO TRANSFER	EVO

## TEMPORARY ABUTMENTS

V2MPNR-P	V2 TEMPORARY PEEK NARROW ABUTMENT	V2
V2MPRG-P	V2 TEMPORARY PEEK REGULAR ABUTMENT	V2
40PL088	PLUS PROVISIONAL TITANIUM CYLINDER PLATFORM 04.1	PLUS
40PL089	PLUS PROVISIONAL ROTATIONAL TITANIUM CYLINDER PLATFORM 04.1	PLUS
40PL187	PLUS PROVISIONAL TITANIUM CYLINDER PLATFORM 05.0	PLUS
40PL189	PLUS PROVISIONAL ROTATIONAL TITANIUM CYLINDER PLATFORM 05.0	PLUS
40PL118	PLUS PROVISIONAL PEEK ABUTMENT PLATFORM 04.1	PLUS
40PL119	PLUS PROVISIONAL PEEK ABUTMENT PLATFORM 05.0	PLUS
PHVAPCD	EVO STRAIGHT PEEK ABUTMENT 04.0 HIGH	EVO
PHVAPCE	EVO STRAIGHT PEEK ABUTMENT 04.0 LOW	EVO
PHVAPCA	EVO 15° ANGLED PEEK ABUTMENT 04.0 HIGH	EVO
PHVAPCB	EVO 15° ANGLED PEEK ABUTMENT 04.0 LOW	EVO
PHVAPD	EVO STRAIGHT PEEK ABUTMENT 04.5 HIGH	EVO
PHVAPDE	EVO STRAIGHT PEEK ABUTMENT 04.5 LOW	EVO

## DEFINITIVE ABUTMENTS

V2MD292	V2 STRAIGHT TITANIUM ABUTMENT 02.9 H.2	V2
V2MD294	V2 STRAIGHT TITANIUM ABUTMENT 02.9 H.4	V2
V2MDNR2	V2 STRAIGHT TITANIUM ABUTMENT NARROW H.2	V2
V2MDNR4	V2 STRAIGHT TITANIUM ABUTMENT NARROW H.4	V2
V2MDRG2	V2 STRAIGHT TITANIUM ABUTMENT REGULAR H.2	V2
V2MDRG4	V2 STRAIGHT TITANIUM ABUTMENT REGULAR H.4	V2
V2MDWD2	V2 STRAIGHT TITANIUM ABUTMENT WIDE H.2	V2
V2MDWD4	V2 STRAIGHT TITANIUM ABUTMENT WIDE H.4	V2
V2MA292-15	V2 15° ANGLED TITANIUM ABUTMENT 02.9 H.2	V2
V2MA294-15	V2 15° ANGLED TITANIUM ABUTMENT 02.9 H.4	V2
V2MANR2-15	V2 15° ANGLED TITANIUM ABUTMENT NARROW H.2	V2
V2MANR2-25	V2 25° ANGLED TITANIUM ABUTMENT NARROW H.2	V2
V2MANR4-15	V2 15° ANGLED TITANIUM ABUTMENT NARROW H.4	V2
V2MANR4-25	V2 25° ANGLED TITANIUM ABUTMENT NARROW H.4	V2
V2MARG2-15	V2 15° ANGLED TITANIUM ABUTMENT REGULAR H.2	V2
V2MARG2-25	V2 25° ANGLED TITANIUM ABUTMENT REGULAR H.2	V2
V2MARG4-15	V2 15° ANGLED TITANIUM ABUTMENT REGULAR H.4	V2

## CODE SUMMARY

CODE	DESCRIPTION	IMPLANTS LINE
V2MARG4-25	V2 25° ANGLED TITANIUM ABUTMENT REGULAR H.4	V2
V2MAWD2-15	V2 15° ANGLED TITANIUM ABUTMENT WIDE H.2	V2
V2MAWD2-25	V2 25° ANGLED TITANIUM ABUTMENT WIDE H.2	V2
V2MF9	V2 DEFINITIVE TITANIUM ABUTMENT H.9	V2
V2MF10	V2 DEFINITIVE TITANIUM ABUTMENT H.10	V2
V2MF11	V2 DEFINITIVE TITANIUM ABUTMENT H.11	V2
V2MI	V2 TITANIUM ABUTMENT FOR BONDING REGULAR	V2
V2MI-R	V2 REGULAR ROTATIONAL TITANIUM BONDING ABUTMENT	V2
40PL075	PLUS STRAIGHT TITANIUM ABUTMENT H.2 PLATFORM Ø4.1	PLUS
40PL076	PLUS STRAIGHT TITANIUM ABUTMENT H.4 PLATFORM Ø4.1	PLUS
40PL106	PLUS STRAIGHT TITANIUM ABUTMENT H.2 PLATFORM Ø5.0	PLUS
40PL107	PLUS STRAIGHT TITANIUM ABUTMENT H.4 PLATFORM Ø5.0	PLUS
40PL179	PLUS 15° ANGLED TITANIUM ABUTMENT H.2 PLATFORM Ø4.1	PLUS
40PL180	PLUS 25° ANGLED TITANIUM ABUTMENT H.2 PLATFORM Ø4.1	PLUS
40PL181	PLUS 15° ANGLED TITANIUM ABUTMENT H.4 PLATFORM Ø4.1	PLUS
40PL182	PLUS 25° ANGLED TITANIUM ABUTMENT H.4 PLATFORM Ø4.1	PLUS
40PL191	PLUS 15° ANGLED TITANIUM ABUTMENT H.4 PLATFORM Ø5.0	PLUS
40PL192	PLUS 25° ANGLED TITANIUM ABUTMENT H.4 PLATFORM Ø5.0	PLUS
PLMI41	PLUS TITANIUM ABUTMENT FOR BONDING PLATFORM Ø4.1	PLUS
PLMI41-R	PLUS ROTATIONAL TITANIUM ABUTMENT FOR BONDING PLATFORM Ø4.1	PLUS
PHVABBA	EVO STRAIGHT TITANIUM ABUTMENT Ø3.5 HIGH	EVO
PHVABB	EVO STRAIGHT TITANIUM ABUTMENT Ø3.5 LOW	EVO
PHVABBC	EVO STRAIGHT TITANIUM ABUTMENT WITH FULL CLOSURE Ø3.5	EVO
PHVABCA	EVO STRAIGHT TITANIUM ABUTMENT Ø4.0 HIGH	EVO
PHVABCB	EVO STRAIGHT TITANIUM ABUTMENT Ø4.0 LOW	EVO
PHVABCC	EVO STRAIGHT TITANIUM ABUTMENT WITH FULL CLOSURE Ø4.0	EVO
PHVABDA	EVO STRAIGHT TITANIUM ABUTMENT Ø4.5 HIGH	EVO
PHVABDB	EVO STRAIGHT TITANIUM ABUTMENT Ø4.5 LOW	EVO
PHVABDC	EVO STRAIGHT TITANIUM ABUTMENT WITH FULL CLOSURE Ø4.5	EVO
PHVABEA	EVO STRAIGHT TITANIUM ABUTMENT Ø5.0 HIGH	EVO
PHVABEB	EVO STRAIGHT TITANIUM ABUTMENT Ø5.0 LOW	EVO
PHVABEC	EVO STRAIGHT TITANIUM ABUTMENT WITH FULL CLOSURE Ø5.0	EVO
PHVAABA	EVO 15° ANGLED TITANIUM ABUTMENT Ø3.5 HIGH	EVO
PHVAABB	EVO 15° ANGLED TITANIUM ABUTMENT Ø3.5 LOW	EVO
PHVAABC	EVO 15° ANGLED TITANIUM ABUTMENT Ø3.5 FULL CLOSURE	EVO
PHVAACA	EVO 15° ANGLED TITANIUM ABUTMENT Ø4.0 HIGH	EVO
PHVAACB	EVO 15° TITANIUM ABUTMENT Ø4.0 LOW	EVO
PHVAACC	EVO 15° ANGLED TITANIUM ABUTMENT Ø4.0 FULL CLOSURE	EVO
PHVAADA	EVO 15° ANGLED TITANIUM ABUTMENT Ø4.5 HIGH	EVO
PHVAADB	EVO 15° ANGLED TITANIUM ABUTMENT Ø4.5 LOW	EVO
PHVAADC	EVO 15° ANGLED TITANIUM ABUTMENT Ø4.5 WITH FULL CLOSURE	EVO
PHVAAEA	EVO 15° ANGLED TITANIUM ABUTMENT Ø5.0 HIGH	EVO
PHVA AEB	EVO 15° ANGLED TITANIUM ABUTMENT Ø5.0 LOW	EVO
PHVADBA	EVO 25° ANGLED TITANIUM ABUTMENT Ø3.5 HIGH	EVO
PHVADBB	EVO 25° ANGLED TITANIUM ABUTMENT Ø3.5 LOW	EVO
PHVADCA	EVO 25° ANGLED TITANIUM ABUTMENT Ø4.0 HIGH	EVO
PHVADCB	EVO 25° TITANIUM ABUTMENT Ø4.0 LOW	EVO

CODE	DESCRIPTION	IMPLANTS LINE
PHVADDA	EVO 25° ANGLED TITANIUM ABUTMENT Ø4.5 HIGH	EVO
PHVADDB	EVO 25° ANGLED TITANIUM ABUTMENT Ø4.5 LOW	EVO
PHVMIDA	EVO TITANIUM ABUTMENT FOR BONDING	EVO

### COBALT CHROME BASE ABUTMENTS

FA-BN-00	CR CO BASE ABUTMENT WITH STRAIGHT CALCINABLE CYLINDER	V2
FA-BN-01	CR CO BASE ABUTMENT WITH STRAIGHT ROTATIONAL CALCINABLE CYLINDER	V2
FA-BN-10	CR CO BASE ABUTMENT WITH 15° ANGLED CALCINABLE CYLINDER	V2
FA-BN-11	CR CO BASE ABUTMENT WITH 15° ANGLED ROTATIONAL CALCINABLE CYLINDER	V2

### ABUTMENTS FOR BARS

V2CP29-T	V2 TITANIUM CYLINDER Ø2.9	V2
V2CP29-TR	V2 ROTATIONAL TITANIUM CYLINDER Ø2.9	V2
V2CPNR-T	V2 TITANIUM CYLINDER NARROW	V2
V2CPNR-TR	V2 ROTATIONAL TITANIUM CYLINDER NARROW	V2
V2CPRG-T	V2 TITANIUM CYLINDER REGULAR	V2
V2CPRG-TR	V2 ROTATIONAL TITANIUM CYLINDER REGULAR	V2
MB292	V2 TITANIUM ABUTMENT FOR BARS Ø2.9 H.2	V2
MB294	V2 TITANIUM ABUTMENT FOR BARS Ø2.9 H.4	V2
V2MBNR-2	V2 TITANIUM ABUTMENT FOR BARS NARROW H.2	V2
V2MBNR-4	V2 TITANIUM ABUTMENT FOR BARS NARROW H.4	V2
PHVODDA	TITANIUM ABUTMENT BASE FOR EVO HIGH BAR WITH ROTATIONAL CALCINABLE CYLINDER	EVO
PHVODDB	TITANIUM ABUTMENT BASE FOR EVO LOW BAR WITH ROTATIONAL CALCINABLE CYLINDER	EVO

### TORONTO

V2MT2	V2 TORONTO TITANIUM ABUTMENT STRAIGHT H.2	V2
V2MT4	V2 TORONTO TITANIUM ABUTMENT STRAIGHT H.4	V2
V2MT-17	V2 TORONTO TITANIUM ABUTMENT, ANGLED 17°	V2
V2MTP-17	TORONTO TITANIUM V2 ABUTMENT, ANGLED 17° EXTENDED	V2
V2MT-30	V2 TORONTO TITANIUM ABUTMENT, ANGLED 30°	V2
V2MTP-30	TORONTO TITANIUM V2 ABUTMENT, ANGLED 30° EXTENDED	V2
V2MT-45	V2 TORONTO TITANIUM ABUTMENT, ANGLED 45°	V2
40PL137	PLUS TORONTO TITANIUM STRAIGHT ABUTMENT H.2	PLUS
40PL138	PLUS TORONTO TITANIUM STRAIGHT ABUTMENT H.4	PLUS
40PL135	17° ANGLED TORONTO TITANIUM PLUS ABUTMENT	PLUS
40PL136	30° ANGLED TORONTO TITANIUM PLUS ABUTMENT	PLUS
PHVAT00	EVO TORONTO TITANIUM ABUTMENT STRAIGHT	EVO
PHVAT17	17° ANGLED EVO TORONTO TITANIUM ABUTMENT	EVO
PHVAT30	30° ANGLED EVO TORONTO TITANIUM ABUTMENT	EVO
CMT	PEEK HEALING CAP	V2 / PLUS / EVO
CMT-P	EXTENDED PEEK HEALING CAP	V2 / PLUS / EVO
CT-C	TORONTO CALCINABLE CYLINDER	V2
CT-I	TORONTO STEEL CYLINDER	V2 / PLUS / EVO
CT-IS	TORONTO STEEL CYLINDER SHORT	V2 / PLUS / EVO
CT-T	TORONTO TITANIUM CYLINDER	V2 / PLUS / EVO
CT-TS	TORONTO TITANIUM CYLINDER SHORT	V2 / PLUS / EVO

### CALCINABLES

MC29	V2 CALCINABLE ABUTMENT Ø2.9	V2
MC29-R	V2 ROTATIONAL CALCINABLE ABUTMENT Ø2.9	V2
V2MCNR	V2 CALCINABLE ABUTMENT NARROW	V2
V2MCNR-R	V2 ROTATIONAL CALCINABLE ABUTMENT NARROW	V2
MCRG	V2 CALCINABLE ABUTMENT REGULAR	V2



# CODE SUMMARY

CODE	DESCRIPTION	IMPLANTS LINE
MCRG-R	V2 ROTATIONAL CALCINABLE ABUTMENT REGULAR	V2
MCRG-T	V2 CALCINABLE TITANIUM BASE ABUTMENT REGULAR	V2
40PL080	PLUS CALCINABLE ABUTMENT PLATFORM Ø4.1	PLUS
40PL082	PLUS ROTATIONAL CALCINABLE ABUTMENT PLATFORM Ø4.1	PLUS
40PL110	PLUS CALCINABLE ABUTMENT PLATFORM Ø5.0	PLUS
40PL112	PLUS ROTATIONAL CALCINABLE ABUTMENT PLATFORM Ø5.0	PLUS
PHVCDBA	EVO CALCINABLE ABUTMENT Ø3.5 HIGH	EVO
PHVCDBB	EVO CALCINABLE ABUTMENT Ø3.5 LOW	EVO
PHVCDBA	EVO CALCINABLE ABUTMENT Ø4.0 HIGH	EVO
PHVCDCB	EVO CALCINABLE ABUTMENT Ø4.0 LOW	EVO
PHVCDDA	EVO CALCINABLE ABUTMENT Ø4.5 HIGH	EVO
PHVCddb	EVO CALCINABLE ABUTMENT Ø4.5 LOW	EVO
PHVODCC	OVERDENTURE CALCINABLE CYLINDER FOR EVO BAR (spare)	EVO
PHVMICC	EVO CALCINABLE CYLINDER ABUTMENT FOR BONDING (spare)	EVO

## CAD-CAM

V2AL29-CC	V2 CAD-CAM ANALOG Ø2.9	V2
V2AL-CC	V2 CAD-CAM ANALOG	V2
V2SB29	V2 SCAN-BODY Ø2.9	V2
V2SB	V2 SCAN-BODY	V2
V2TB29	V2 TI-BASE Ø2.9	V2
V2TB29-R	V2 ROTATIONAL TI-BASE Ø2.9	V2
V2TBNR	V2 TI-BASE NARROW	V2
V2TBNR-R	V2 ROTATIONAL TI-BASE NARROW	V2
V2PR29	V2 PREMILLED Ø2.9	V2
V2PR	V2 PREMILLED	V2
ALT-CC	TORONTO CAD-CAM ANALOG	V2 / EVO
SBT	TORONTO SCAN-BODY	V2 / EVO
TBT	TORONTO TI-BASE	V2 / EVO
PHVBICC	EVO CAD-CAM ANALOG	EVO
PHVTBDA	EVO TI-BASE HIGH	EVO
PHVTBDA-R	EVO ROTATIONAL TI-BASE HIGH	EVO
PHVTBDB	EVO TI-BASE LOW	EVO
PHVTBDB-R	EVO ROTATIONAL TI-BASE LOW	EVO
PHVABPR	EVO PREMILLED	EVO
PHVODSB	SCAN-BODY FOR EVO BAR	EVO
PHVODTB	TI-BASE FOR EVO BAR	EVO

## PROSTHETIC SCREWS

V2TP-V	V2 PICK-UP TRANSFER SCREW (spare)	V2
V2TS-V	V2 PULL-UP TRANSFER SCREW (spare)	V2
V2TSF-V	V2 REMOVABLE TRANSFER SCREW (spare)	V2
V2TSF-VS	V2 REMOVABLE TRANSFER SCREW SHORT (spare)	V2
VTLT	LONG SCREW FOR TORONTO	V2 / PLUS / EVO
VTLT-S	LONG SCREW FOR TORONTO SHORT	V2 / PLUS / EVO
VTMT	MICRO SCREW FOR TORONTO (Spare)	V2 / PLUS / EVO
VCMT	PEEK HEALING CAP MICRO SCREW	V2 / PLUS / EVO
VCMT-P	EXTENDED PEEK HEALING CAP MICRO SCREW	V2 / PLUS / EVO
VTP29	V2 PROSTHETIC SCREW Ø2.9	V2
VTP29-4	V2 PROSTHETIC SCREW Ø2.9 (pack of 4)	V2
VTP	V2 PROSTHETIC SCREW	V2
VTP-4	V2 PROTESTIC SCREW (pack of 4)	V2
VTPD	V2 DEFINITIVE PROSTHETIC SCREW	V2
VTPD-4	V2 DEFINITIVE PROSTHETIC SCREW (pack of 4)	V2
VTPT	V2 TORONTO PROSTHETIC SCREW	V2
VTPT-4	V2 TORONTO PROSTHETIC SCREW (pack of 4)	V2
VTPTD	V2 TORONTO DEFINITIVE PROSTHETIC SCREW	V2
VTPTD-4	V2 TORONTO DEFINITIVE PROSTHETIC SCREW (pack of 4)	V2
VTT	TRANSFER SCREW FOR TA2 DEVICE (spare)	V2

CODE	DESCRIPTION	IMPLANTS LINE
40PL125	TRANSFER SCREW FOR MTA3 DEVICE (spare)	PLUS
40PL126	PROSTHETIC SCREW FOR MTA3 DEVICE (spare)	PLUS
40PL195	PROSTHETIC SCREW FOR MTA3 DEVICE (4-pack) (spare)	PLUS
PHVAB2V	EVO PROSTHETIC SCREW	EVO
PHVOD2A	EVO TITANIUM ABUTMENT SCREW FOR HIGH BAR (spare)	EVO
PHVOD2B	EVO TITANIUM ABUTMENT SCREW FOR LOWER BAR (spare)	EVO
PHVTR2S	HIGH PULL-UP TRANSFER SCREW (spare)	EVO
PHVTR3S	LOW PULL-UP TRANSFER SCREW (Replacement)	EVO
PHVTP1V	EVO HIGH PICK-UP TRANSFER SCREW (spare)	EVO
PHVTS3V	EVO HIGH REMOVABLE TRANSFER SCREW (spare)	EVO
PHVTS4V	EVO LOW-REMOVABLE TRANSFER SCREW (spare)	EVO
PHVTS5V	EVO REMOVABLE SHORT TRANSFER SCREW FOR BARS	EVO

## BALL ATTACHMENTS

PS290	V2 BALL ATTACHMENT Ø2.9 H.0	V2
PS291	V2 BALL ATTACHMENT Ø2.9 H.1	V2
PS292	V2 BALL ATTACHMENT Ø2.9 H.2	V2
PS294	V2 BALL ATTACHMENT Ø2.9 H.4	V2
V2PSNR0	V2 BALL ATTACHMENT H.0 PLATFORM Ø3.5	V2
V2PSNR1	V2 BALL ATTACHMENT H.1 PLATFORM Ø3.5	V2
V2PSNR2	V2 BALL ATTACHMENT H.2 PLATFORM Ø3.5	V2
V2PSNR4	V2 BALL ATTACHMENT H.4 PLATFORM Ø3.5	V2
40PL170	PLUS BALL ATTACHMENT H.1 PLATFORM Ø4.1	PLUS
40PL171	PLUS BALL ATTACHMENT H.2 PLATFORM Ø4.1	PLUS
40PL172	PLUS BALL ATTACHMENT H.4 PLATFORM Ø4.1	PLUS
PHVOD4S / PHVOD4M	EVO OVERDENTURE BALL ATTACHMENT HIGH	EVO
PHVOD5S / PHVOD5M	EVO OVERDENTURE BALL ATTACHMENT LOW	EVO
40CC001	RHEIN CAP (NORMO) PINK 900g retention (soft) (pack of 6)	V2 / PLUS / EVO
40CC002	RHEIN CAP (NORMO) YELLOW 500g retention (extra-soft) (pack of 6)	V2 / PLUS / EVO
40CC003	RHEIN CAP (NORMO) GREEN retention 350g (elastic) (pack of 6)	V2 / PLUS / EVO
40CC004	RHEIN CAP (NORMO) GREY 1300g retention (standard) (pack of 6)	V2 / PLUS / EVO
40CC005	RHEIN STEEL CONTAINER (pack of 2)	V2 / PLUS / EVO
40CC006	RHEIN TITANIUM CONTAINER (pack of 2)	V2 / PLUS / EVO
130EVO4A	EVO EQUATOR PHI HIGH	EVO
130EVO4B	EVO EQUATOR PHI LOW	EVO
144AE	LABORATORY ANALOG (pack of 2)	V2 / EVO
044CAIN	NORMO IMPRESSION TRANSFER (2-pack)	V2 / EVO
158ESA	EQUATOR ELASTIC SEEGER	V2 / EVO
330SBE	SMART BOX WITH BLACK POSITIONING CAP	V2 / EVO
V2130BI04	V2 EQUATOR H.4	V2
V2130BI06	EQUATOR V2 H.6	V2
144AE	LABORATORY ANALOG (pack of 2)	V2 / EVO
044CAIN	NORMO IMPRESSION TRANSFER (2-pack)	V2 / EVO
158ESA	EQUATOR ELASTIC SEEGER	V2 / EVO
330SBE	SMART BOX WITH BLACK POSITIONING CAP	V2 / EVO

## LOCATOR

FA-LN-01	V2 COMPATIBLE LOCATOR ATTACHMENT H.1 mm	V2
FA-LN-02	V2 COMPATIBLE LOCATOR ATTACHMENT H.2 mm	V2
FA-LN-03	V2 COMPATIBLE LOCATOR ATTACHMENT H.3 mm	V2
FA-LN-04	V2 COMPATIBLE LOCATOR ATTACHMENT H.4 mm	V2

# CODE SUMMARY

CODE	DESCRIPTION	IMPLANTS LINE
AA-LR-01	PLUS COMPATIBLE LOCATOR ATTACHMENT H.1 mm	PLUS
AA-LR-02	PLUS COMPATIBLE LOCATOR ATTACHMENT H.2 mm	PLUS
AA-LR-03	PLUS COMPATIBLE LOCATOR ATTACHMENT H.3 mm	PLUS
AA-LR-04	PLUS COMPATIBLE LOCATOR ATTACHMENT H.4 mm	PLUS
40CC026	SPACER RING (pack of 20)	V2 / PLUS
KA-CL-00	METALLIC CAP (container)	V2 / PLUS
KA-CL-02	STANDARD COMPATIBLE LOCATOR ATTACHMENT KIT	V2 / PLUS
KA-CL-03	EXTENDED RANGE COMPATIBLE LOCATOR ATTACHMENT KIT	V2 / PLUS
KA-CL-04	SPARE EXTENDED RANGE COMPATIBLE LOCATOR ATTACHMENT 2268g x 20° / 453g x 40° (pack of 4)	V2 / PLUS
KA-CL-05	SPARE EXTENDED RANGE COMPATIBLE LOCATOR ATTACHMENT retention 907g x 40° (pack 4 pcs)	V2 / PLUS
KA-CL-06	SPARE EXTENDED RANGE COMPATIBLE LOCATOR ATTACHMENT 1360g x 20° / 1814g x 40° (pack of 4)	V2 / PLUS
KA-CL-10	SPARE EXTENDED RANGE COMPATIBLE LOCATOR ATTACHMENT 680g retention (light) (pack of 8)	V2 / PLUS
KA-CL-11	SPARE EXTENDED RANGE COMPATIBLE LOCATOR ATTACHMENT 1360g retention (medium) (pack of 8)	V2 / PLUS
KA-CL-12	REPLACEMENT LOCATOR COMPATIBLE ATTACHMENTS STANDARD retention 2268g (strong) (Pack of 8)	V2 / PLUS
KA-CL-13	BLACK CAP (laboratory) (pack of 8)	V2 / PLUS
PS-AR-00	COMPATIBLE LOCATOR ANALOG	V2 / PLUS
PD-8505-4	TRANSFER COMPATIBLE LOCATOR (pack of 4)	V2 / PLUS

## KEYS AND SCREWDRIVERS

ADMA	MANUAL SCREWDRIVER ADAPTER	V2 / PLUS / EVO
AV1219M	HEXAGON MANUAL SCREWDRIVER Ø1.20 L19	V2 / PLUS / EVO
AV1224M	HEXAGON MANUAL SCREWDRIVER Ø1.20 L24	V2 / PLUS / EVO
AV12719M	HEXAGON MANUAL SCREWDRIVER Ø1.27 L19	EVO
AV12724M	HEXAGON MANUAL SCREWDRIVER Ø1.27 L24	EVO
AV26CA	CONTRA-ANGLE SCREWDRIVER FOR STRAIGHT TORONTO AND BALL ATTACHMENT	V2
AV26M	RATCHET SCREWDRIVER WITH ROD FOR STRAIGHT TORONTO AND BALL ATTACHMENT	V2
AV26M-N	RATCHET SCREWDRIVER FOR TORONTO STRAIGHT AND BALL ATTACHMENT	V2
AV1219C	HEXAGON SCREWDRIVER Ø1.20 L19 FOR RATCHET	V2
AV1224C	HEXAGON SCREWDRIVER Ø1.20 L24 FOR RATCHET	V2
AV12719C	HEXAGON SCREWDRIVER Ø1.27 L19 FOR RATCHET	EVO
AV12724C	HEXAGON SCREWDRIVER Ø1.27 L24 FOR RATCHET	EVO
B127	HEXAGON ALLEN KEY Ø1.27	EVO
CDC8	CONTRA-ANGLE CONNECTOR FOR V2 IMPLANT L.8	V2
CDC19	CONTRA-ANGLE CONNECTOR FOR V2 IMPLANT L.19	V2
CDCRID8	RATCHET CONNECTOR FOR V2 IMPLANT L.8	V2
CDCRID19	RATCHET CONNECTOR FOR V2 IMPLANT L.19	V2
CSF25	BALL SPANNER Ø2.5 (NORMO)	EVO
774CHE	SQUARE SPANNER FOR EQUATOR	V2 / EVO
AVCI12	CONTRA-ANGLE CONNECTOR FOR EVO HIGH IMPLANT	EVO
AVCI24	CONTRA-ANGLE CONNECTOR FOR EVO MEDIUM IMPLANT	EVO
AVMIA	RATCHET CONNECTOR FOR EVO HIGH IMPLANT	EVO
AVMIM	RATCHET CONNECTOR FOR EVO MEDIUM IMPLANT	EVO
CDIN	TORQUE RATCHET WITH ROD	V2 / PLUS
CRID	DYNAMOMETRY RATCHET	V2 / EVO
CPDG11	CONNECTOR FOR MOUNT Ø2.9 L11	V2
CPDG21	CONNECTOR FOR MOUNT Ø2.9 L21	V2
GUD12	MANUAL DIGITAL BEZEL Ø12	V2 / EVO
GUD16	MANUAL DIGITAL BEZEL Ø16	V2 / EVO
LL-PS-00	CONTRA-ANGLE DRIVER FOR LOCATOR	V2 / PLUS
LL-PS-01	CORE LOCATOR TOOL	V2 / PLUS

CODE	DESCRIPTION	IMPLANTS LINE
CLAI	ANGLED LEVER SPANNER FOR IMPLANTS	EVO
CLAST	ANGLED LEVER SPANNER FOR INSTRUMENTS	EVO
EME	EVO ABUTMENT EXTRACTOR	EVO
PH-09-25	HEXAGON SCREWDRIVER Ø0.9 L.25	PLUS
PH-20-18	HEXAGON SCREWDRIVER Ø1.20 L.18	V2 / PLUS / EVO
PH-20-25	HEXAGON SCREWDRIVER Ø1.20 L.25	V2 / PLUS / EVO
PH-20-32	HEXAGON SCREWDRIVER Ø1.20 L.32	V2 / PLUS / EVO
PH-27-18	HEXAGON SCREWDRIVER Ø1.27 H.18	EVO
PH-27-25	HEXAGON SCREWDRIVER Ø1.27 H.25	EVO
PHVCB2A	MANUAL SPANNER FOR IMPLANT Ø16 HIGH	EVO
PHVCB2M	MANUAL SPANNER FOR IMPLANT Ø16 MEDIUM	EVO
PHVCE5B	MANUAL SPANNER FOR REAMER AND TAPPER Ø20 LOW	EVO
PHVCE5S	MANUAL SPANNER FOR REAMER AND TAPPER Ø20 MEDIUM	EVO

## SURGICAL INSTRUMENTS

ACM	CONTRA-ANGLE HANDPIECE ADAPTER FOR TAPPER	V2
ADST	CONTRA-ANGLE HANDPIECE ADAPTER FOR INSTRUMENTS	EVO
AV3419CA	CONTRA-ANGLE SCREWDRIVER MOUNT IMPLANT Ø2.9	V2
CHM	MOUNT KEY FOR Ø2.9 IMPLANT	V2
DRI	IMPLANT REMOVAL DEVICE	V2 / PLUS
EO-B	BONE EXPANDER 1.2 - 3.5 (BLUE)	V2 / PLUS
EO-F	BONE EXPANDER 1.8 - 3.2 (FUCHSIA)	V2 / PLUS
EO-G	BONE EXPANDER 2.6 - 4.2 (GREEN)	V2 / PLUS
EO-Y	BONE EXPANDER 2.4 - 3.7 (YELLOW)	V2 / PLUS
FC47	TREPINE CORE DRILL INTERNAL Ø4.0	V2 / PLUS / EVO
FC57	TREPINE CORE DRILL INTERNAL Ø5.0	V2 / PLUS / EVO
FC67	TREPINE CORE DRILL INTERNAL Ø6.0	V2 / PLUS / EVO
FC87	TREPINE CORE DRILL INTERNAL Ø8.0	V2 / PLUS / EVO
FPO-VG	V2 BONE PROFILE DRILL WITH GUIDE SCREW	V2
GCD	DIRECTIONAL SURGICAL GUIDANCE (MALO')	V2 / PLUS / EVO
ID	PARALLELISM PIN	V2 / PLUS / EVO
PF	DRILL EXTENSION	V2 / PLUS / EVO
PHVBSBB	Ø3.5 OPERCOLATING SCALPEL	V2 / PLUS / EVO
SND	MILLIMETRE PROBE	V2 / PLUS / EVO
40FR105	PLUS BONE PROFILE DRILL WITH GUIDE SCREW	PLUS

## TRAY

TM	SURGICAL TRAY: BOX M (empty)	V2 / EVO
TS	SURGICAL TRAY: BOX S (empty)	V2 / EVO
MB	SURGICAL TRAY: BIO IMPLANT BASIC MODULE (empty)	V2
MB-C	SURGICAL TRAY: BIO IMPLANT BASIC MODULE (spanners + initial instruments + Ø2.9)	V2
V2ST	SURGICAL TRAY: V2 STANDARD CORE MODULE (Ø3.5 + Ø3.75 + Ø4.2) (empty)	V2
V2ST-C	SURGICAL TRAY: V2 STANDARD CORE MODULE (Ø3.5 + Ø3.75 + Ø4.2) (complete)	V2
V2SP	SURGICAL TRAY: V2 SPECIAL CORE MODULE (Ø4.7 - Ø5.2) (empty)	V2
V2SP-C	SURGICAL TRAY: V2 SPECIAL CORE MODULE (Ø4.7 - Ø5.2) (complete)	V2
KV2ST	SURGICAL TRAY: V2 STANDARD K-CORE MODULE (empty)	V2
KV2ST-C	SURGICAL TRAY: V2 STANDARD K-CORE MODULE (Ø3.8-4.2-4.5-5.5 H.10-12-13-15) (complete)	V2
PHMB-C	SURGICAL TRAY: PHI EVO BASIC MODULE (spanners + initial instruments + Ø3.5)	EVO
PHEST-C	SURGICAL TRAY: PHI EVO STANDARD MODULE (Ø4.0 + Ø4.5 + Ø5.0) (complete)	EVO
40AC193	SURGICAL TRAY: PLUS BOX (empty)	PLUS
40AC331	SURGICAL TRAY: PLUS MODULE (complete)	PLUS
EO-SK	BONE EXPANDER TRAY (complete)	V2 / PLUS

TITANIUM GR. 4 (COLD WORKED)*	MAXIMUM ALLOWABLE VALUES (%)	TOLERANCE
<b>CHEMICAL COMPOSITION:</b>		
Nitrogen	0.05	+/- 0.02
Carbon	0.08	+/- 0.02
Hydrogen	0.015 +/- 0.002	0.015 +/- 0.002
Iron	0.50	+/- 0.01 (%<0.25) +/- 0.15 (%>0.25)
Oxygen	0.40	+/- 0.02 (%<0.20) +/- 0.03 (%>0.20)
Titanium	balanced	-
<b>Mechanical properties*</b>		
Tensile stress at break:	680 MPa (N/mm <sup>2</sup> )	
Yield strength (0.2%):	520 MPa (N/mm <sup>2</sup> )	
Elongation at yield:	15 %	
Section reduction:	25 %	

\* This technical information are aligned with the express specifications provided for in the current regulations for the use of titanium Gr. 4 in implantology:  
 - ASTM F67-06: Standard Specification for unalloyed titanium, for surgical implant applications.  
 - ISO 5832-2:1999: Implants for surgery - Metallic materials - Part 2: Unalloyed titanium.

PLEASE NOTE: the use of cold-worked bars for the production of Sweden 6 Martina Spa implants makes it possible to take advantage of the mechanical characteristics of resistance to tensile and yield strengths about 15% higher than those obtained with a hot process (550 MPa and 483 MPa respectively).

TITANIUM GR. 5**	MAXIMUM ALLOWABLE VALUES (%)	TOLERANCE
<b>CHEMICAL COMPOSITION:</b>		
Nitrogen	0.05	+/- 0.02
Carbon	0.08	+/- 0.02
Hydrogen	0.012	+/- 0.002
Iron	0.25	+/- 0.10
Oxygen	0.13	+/- 0.02
Aluminium	0.50÷6.50	+/- 0.40
Vanadium	3.50÷4.50	+/- 0.15
Titanium	balanced	-

<b>MECHANICAL PROPERTIES*</b>	MAXIMUM ALLOWABLE VALUES (%)
Tensile stress at break (for bar diameters up to 44.45 mm):	860 MPa (N/mm <sup>2</sup> )
Yield strength (0.2%):	795 MPa (N/mm <sup>2</sup> )
Elongation at yield:	10 %
Section reduction:	25 %

\*\* This technical information comply with the express specifications provided for in the current regulations for the use of titanium Gr. 5 in implantology:  
 - ASTM F136-11: Standard Specification for wrought Titanium-6Aluminum-4Vanadium ELI (Extra low Interstitial) Alloy for surgical implant applications;  
 - ISO 5832-3:1996: Implants for surgery - Metallic materials - Part 3: Wrought titanium 6-aluminium 4-vanadium alloy.

# COMPOSITION OF MATERIALS

PMMA	TOLERANCE
<b>CHEMICAL NAME:</b>	Polymethyl methacrylate
Colour:	Transparent
Physical and mechanical properties	+/- 0.02
Density (DIN 53479):	1.18 g/cm <sup>3</sup>
Compressive yield strength (ISO 527, DIN 53454):	110 N/mm <sup>2</sup>
Elongation at break (DIN 53455, ISO 527)	5.5 %
Flexural strength	115 N/mm <sup>2</sup>
Modulus of elasticity (ISO 527, DIN 53457):	3300 N/mm <sup>2</sup>
Modulus of elasticity at approx. Hz (DIN 53445)	1700 N/mm <sup>2</sup>
BRINELL ball drop hardness (DIN 53456)	200 N/mm <sup>2</sup>
<b>Thermal properties</b>	
Coefficient of linear expansion for 0...50 ° (DIN VDE 0304/01):	70-10 · 1/°C
Thermal conductivity (DIN 52612):	0.19 W/m °C
Forming temperature:	≈160 °C
Tempering temperature:	>80 °C
Maximum continuous operating temperature:	78 °C
VICAT softening temperature procedure B (DIN 53460):	115 °C
Heat distortion ISO 75 bending stress 1.80 N/mm <sup>2</sup> (DIN 53461):	105 °C
Heat distortion according to Martens (DIN 53458):	95 °C
<b>Miscellaneous data</b>	
Water absorption in weight gain after 1 day immersion (DIN 53495):	0.3 %

PEEK	RADIOPAQUE	CLASSIC
<b>CHEMICAL NAME:</b>	Polyetheretherketone	Polyetheretherketone
Colour:	Matt cream white	Matt cream white
<b>PHYSICAL AND MECHANICAL PROPERTIES</b>		
Density:	1.65 g/cm <sup>3</sup>	1.4 g/cm <sup>3</sup>
Tensile modulus of elasticity (DIN EN ISO 527-2):	5200 MPa	4100 MPa
Yield strength (DIN EN ISO 527-2):	77 MPa	97 MPa
Yield strength at 0.2% (DIN EN ISO 527-2):	77 MPa	97 MPa
Elongation at 0.2 % (DIN EN ISO 527-2):	2%	5%
Elongation at break (DIN EN ISO 527-2):	2 %	13 %
Flexural strength (DIN EN ISO 178):	178 MPa	174 MPa
Flexural modulus of elasticity (DIN EN ISO 178):	5000 MPa	4000 MPa
Modulus of compressibility (EN ISO 604):	4000 MPa	3500 MPa
<b>Thermal properties</b>		
Glass transformation temperature:	—	150 °C
Maximum temperature for short-term use:	300 °C	300 °C
Maximum temperature for continuous use:	260 °C	260 °C
<b>Chemical properties</b>		
Absorption at 23° in 24/96 h (DIN EN ISO 62):	—	0.02/0.03 %

**COBALT CHROME ALLOY****MAXIMUM ALLOWABLE VALUES (%)****CHEMICAL COMPOSITION:**

C	0.10
Mn	1.00
Cr	26.00 ÷ 30.00
Ni	1.00
Mo	5.00 ÷ 7.00
N	0.25
Fe	0.75
Co	balanced

**PHYSICAL AND MECHANICAL PROPERTIES:**

Density	
Tensile modulus of elasticity:	241 GPa
Yield strength (0.2%):	585 MPa
Tensile stress at break:	1035 MPa
Elongation at yield:	25 %
Section reduction:	23 %
Hardness	30 HRC
Thermal properties	
Melting range:	1400 ÷ 1450 °C

**COEFFICIENT OF THERMAL EXPANSION**

at 500 °C:	14.15
at 600 °C:	14.47

**THERMAL CONDUCTIVITY**

AT 600 °C:	25.76 W/mK
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