Prodent Italia

PRIME

Clinical Protocol

Prodent Italia has implemented a Quality Management System in compliance with UNI CEI EN ISO 13485. Within the scope of the Quality Management System, numerous controls are envisaged and conducted with the aim of assuring an extremely high-quality level for all Prodent Italia products. Before placing each Medical Device on the market, all the necessary tests are carried out to assure that every device is conformed to the relative Safety and Performance Requirements established by current Legislations.

The first System and Product certifications issued to Prodent Italia date back to 1998. Over the years, Prodent Italia has continued to innovate its Medical Devices, which are currently CE marked according to Regulation (EU) 2017/745 and subsequent amendments (also known as MDR – Medical Devices Regulation). In addition, Prodent Italia will continue to place CE marked Medical Devices on the market in compliance with Directive 93/42 EEC and subsequent amendments, in accordance with Article 120 of the MDR and according to the schedule indicated therein.

For all Medical Devices, post-market surveillance, market surveillance and vigilance are carried out as required by MDR.

Additional tests and trials are periodically conducted and documented. They concern both the product and the environmental characteristics. In addition, we closely collaborate with Italian Universities with the aim of continually improving our products.

Prodent Italia's main objective is to satisfy its Customers in the best possible way, by continually improving the quality of the products and the service provided. This policy is implemented and sustained at all corporate levels.

WARNINGS

Before using each device, read thoroughly the up-to-date Information for the User, consisting in the Instructions for Use, in which the main warnings are also described, and the Clinical Protocol. Prodent Italia declines all responsibility for failure to comply with the Information for the User, updated versions of which are available from the company website.

This Clinical Protocol provides users with guidance in order to optimise implant site preparation and the insertion of PRIME RANGE implants (with the exception of PRIME CONOMET implants, for which Clinical Protocol CL 010 should be consulted): it must not, however, be considered a substitute for the practitioner's professional experience and training. See Clinical Protocol CL 009 for Guided Implantology procedures.

The Clinical Protocol complements, without being a replacement for, the Instructions for Use provided with each Prodent Italia device.

PRIME RANGE implants are available in a number of different types, namely: PRIME SM, PRIME SM FREE, PRIME SM COLLAR, PRIME CONOMET TS, PRIME TWINNER SM and TWINNER SM COLLAR. PRIME SM, PRIME SM FREE and PRIME SM COLLAR implants are referred to in the Information for the User as **PRIME IMPLANTS**; PRIME TWINNER SM and TWINNER SM COLLAR are referred to as **TWINNER IMPLANTS** and PRIME CONOMET TS implants are referred to as **CONOMET IMPLANTS**. PRIME SM and PRIME SM FREE implants are physically identical but packaged differently; when no mention is made of the packaging, the term PRIME is used to refer to both types.

In this Clinical Protocol, when mention is made of "PRIME" implants without referring to their packaging, neck or surface treatment, the term refers to the overall implant morphology and, therefore, to PRIME SM, PRIME SM FREE and PRIME SM COLLAR implants.

In this Clinical Protocol, when mention is made of "TWINNER" implants without referring to their packaging, neck or surface treatment, the term refers to the overall implant morphology and, therefore, to PRIME TWINNER SM and TWINNER SM COLLAR implants.

The symbol SM is used to identify those devices with a SM connection: it is present in the name of the implants with this kind of connection and in all the devices to be used with them, which, where possible, are also marked. The symbol is also included in certain Surgical Instruments that were initially intended exclusively for implants with SM connections, but that can also be used for CONOMET implants. It has been omitted from the names used in this Clinical Protocol, in the interests of readability.

All the measurements indicated in the Information for the User are expressed in millimetres.

Each device is identified and can be ordered using the item code given below the corresponding image in this Protocol.

This Clinical Protocol can be consulted and it is available in the latest revision on the website: https://www.prodentitalia.eu/enpro/useful-resources/, replacing all previous versions and it is valid and effective from the date 2023-10-31, together with the code and the revision index as shown on its back cover.

For further requests on previous versions of this Clinical Protocol, contact PRODENT ITALIA S.r.l.

For further information or clarification, contact your local dealer or the manufacturer.

PRODENT ITALIA S.r.l. Via Pitagora, 9 - 20016 Pero (MI) - Italy
www.prodentitalia.eu

GENERAL CHARACTERISTICS

The PRIME RANGE implants are made of pure titanium and have been designed and manufactured to assure high performance even in situations where the bone quality is poor. In this case, an excellent primary stability is essential.

The various types of PRIME RANGE implants allow, as a whole, the treatment of all esthetic and functional rehabilitation cases to be implemented using endosseous dental implants. They can be used in the upper and/or lower arch for patients, that suffer from partial or total edentulism and when it is possible to prosthesize with single crowns, partial or total fixed or removable prostheses.

They are available in two morphologies (PRIME and TWINNER), both in three different versions.

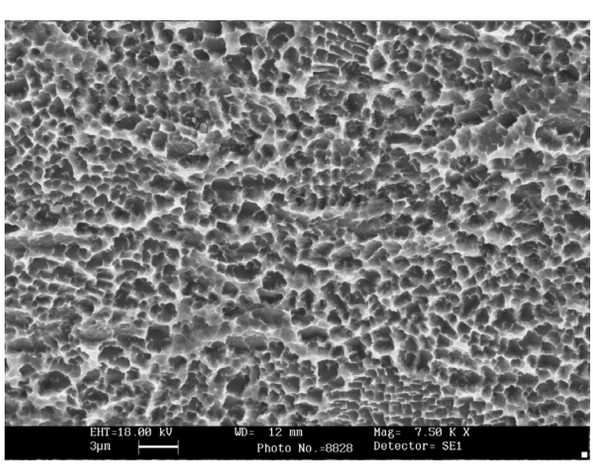
All the PRIME RANGE implants are available in a number of different diameters and heights, to meet any and all anatomical requirements.

The ***PRIME*** implants with "root-form" design are available in the following versions:

- ***PRIME***: **MPS** treatment on the entire implant body and fully micro-threaded collar, combined with the main spiral, to always provide optimal primary stability in the cortical area.
- ***PRIME COLLAR***: **MPS** treatment on the entire implant body, except the first section of the collar, which is provided with a 1.2 mm smooth and machined area without micro-thread. The remaining section of the collar has a micro-thread combined with the main spiral.

TWINNER implants with cylindrical design, double spiral pitch and conical apex are available in the following versions:

- ***PRIME TWINNER***: **MPS** treatment on the entire implant body and fully micro-threaded collar, combined with the main spiral, to always provide optimal primary stability in the cortical area.
- ***TWINNER COLLAR***: **MPS** treatment on the entire implant body, except the first section of the collar, which is provided with a 1.2 mm smooth and machined area without micro-thread. The remaining section of the collar has a micro-thread combined with the main spiral.



SEM 7.500x

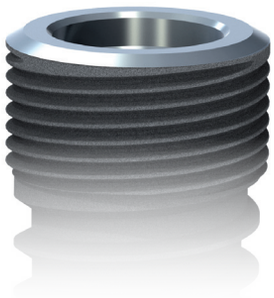
MPS Micro Profile Surface

(Double Acid-Etched)

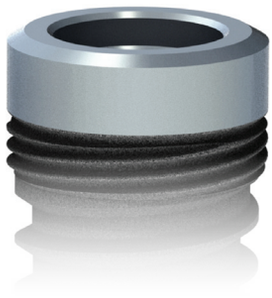
The **MPS** surface treatment, where envisaged, is carried out by means of a double etching process, which results in controlled and homogeneous roughness of the treated surface and provides an excellent clot retention, an essential requirement for osteointegration.

The excellent performance of the **MPS** surface treatment is backed by the high percentages of success in clinical use of over 370.000 fixtures.

GENERAL CHARACTERISTICS

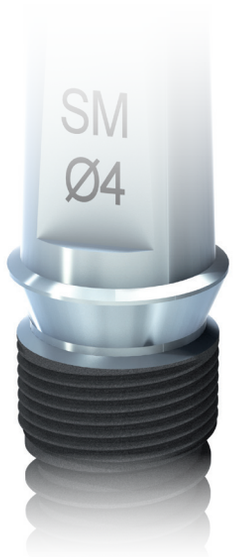


The PRIME and PRIME TWINNER implants with the MPS (Micro Profile Surface) treatment on the entire body are mainly suitable in the clinical cases where the practitioner deems it possible to position the implant at crestal bone level or slightly at a subcrestal bone level.



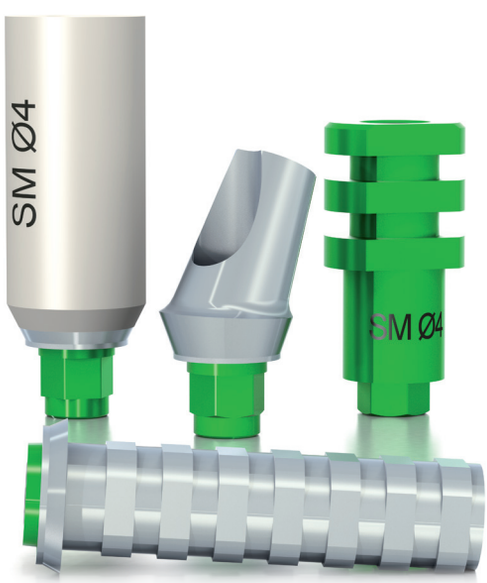
PRIME COLLAR and TWINNER COLLAR implants are mainly suitable in those cases where the practitioner believes, based on his evaluation of the clinical case, that the implant collar will protrude with respect to the bone crest.

The PRIME RANGE implants are made with a deep internal engaging cylindrical-hex-cylindrical connection that optimises the distribution of the masticatory loads. If used appropriately, these implants have an estimated useful life of at least 10 years; this time period has been validated by means of mechanical fatigue tests conducted with at least 5 million load cycles.



The implant-restoration connection of the PRIME RANGE implants creates a platform switching condition that optimises preservation of the gingival tissues and reduces bone resorption events.

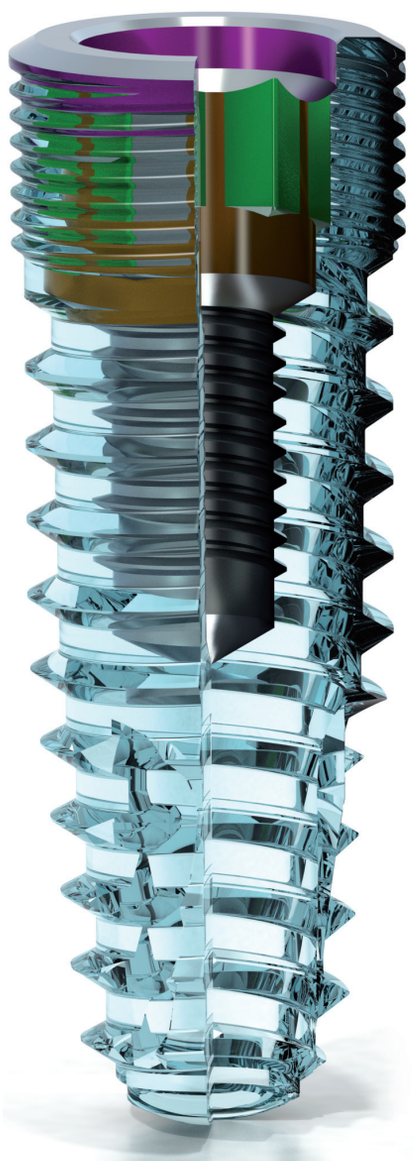
The PRIME RANGE implant restoration range has been designed and developed to allow practitioners to construct all types of modern prostheses, both in terms of aesthetics and immediate-loading.

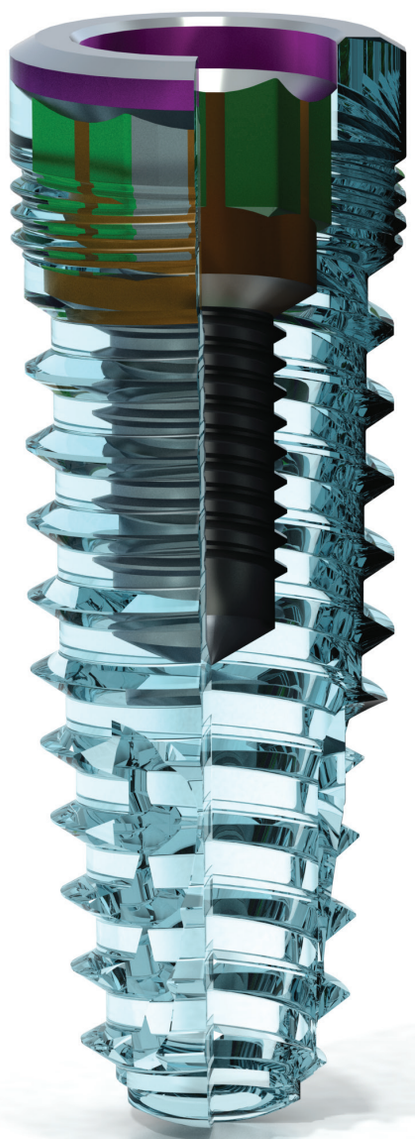


GENERAL CHARACTERISTICS

PRIME

PRIMECOLLAR





1.2 mm smooth area, without micro-thread and machined.

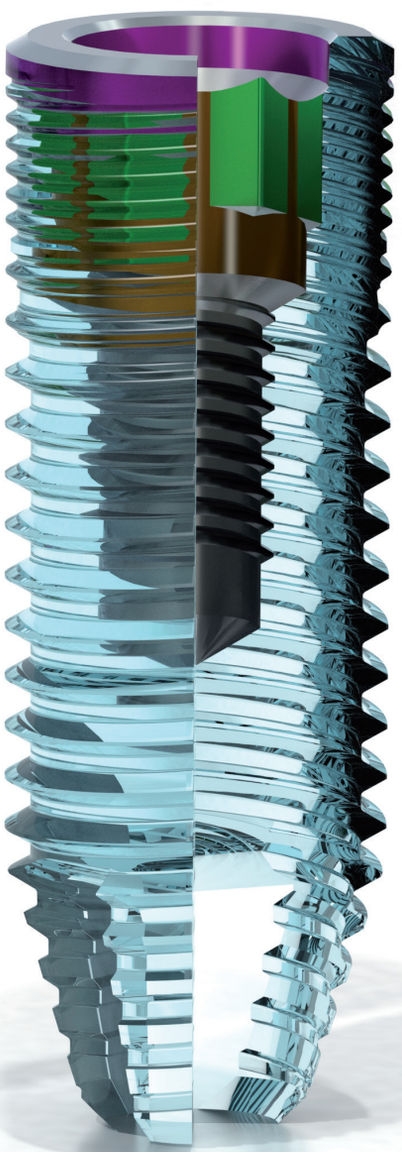
Triple micro-thread combined with the main spiral which - during insertion - activates with the same pitch as the largest spiral, resulting in excellent primary stability in the cortical area.

Root-form morphology, characterised by a first cylindrical section and a second more apical/conical section; this will allow you to always get a reliable grip even if the bone quality is poor.

Semispherical-bottomed conical apex, ideal to place in sites regenerated contextually with a large maxillary sinus lift.

PRIME**TWINNER**

TWINNERCOLLAR

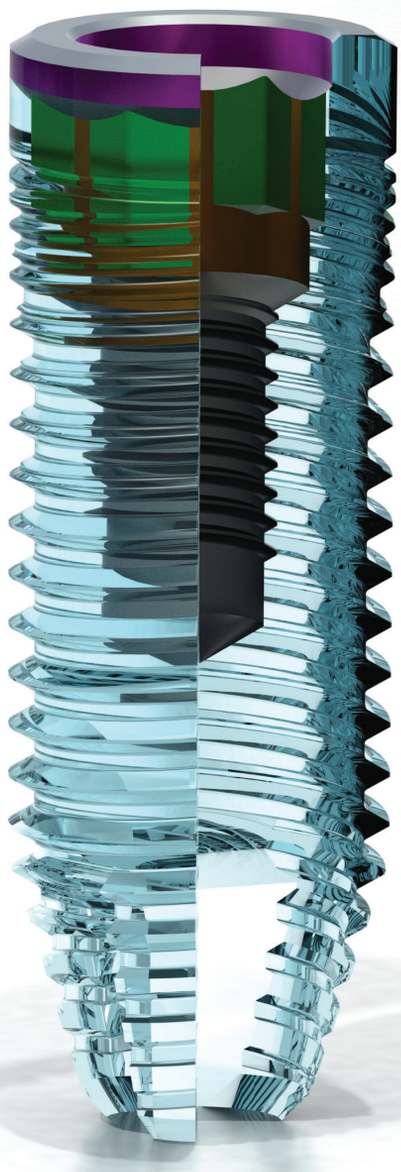


1.2 mm smooth area, without micro-thread and machined.

Quadruple micro-thread combined with the main spiral which - during insertion - activates with the same pitch as the largest spiral, resulting in excellent primary stability in the cortical area.

Tapered morphology characterised by a cylindrical body and a conical apex; the main pitch of the **double-threaded** implant body allows a faster insertion when screwing the implant into the surgical site.

Flat-bottomed tapered apex that provides an excellent grip and helps to facilitate the insertion of the implant into the surgical site.



RESTORATION CONNECTION - PLATFORM SWITCHING

SM is the restoration connection for the PRIME RANGE implants characterised by an internal hex that assures engagement of the structures. It is positioned underneath a cylindrical-shaped part that prevents transverse and flexural stresses, thus hindering them from overloading the hex or the Connection Screw. Where the restoration components allow it, an additional cylindrical part is provided, which is positioned further down underneath the hex, aimed at further stabilizing the main prosthetic loading stresses.

The **connection diameter** varies in relation to the implant diameter and defines the restoration range of the implant identified by colour code.

The **Implant diameter** corresponds to its maximum dimensions at the level of the neck section.

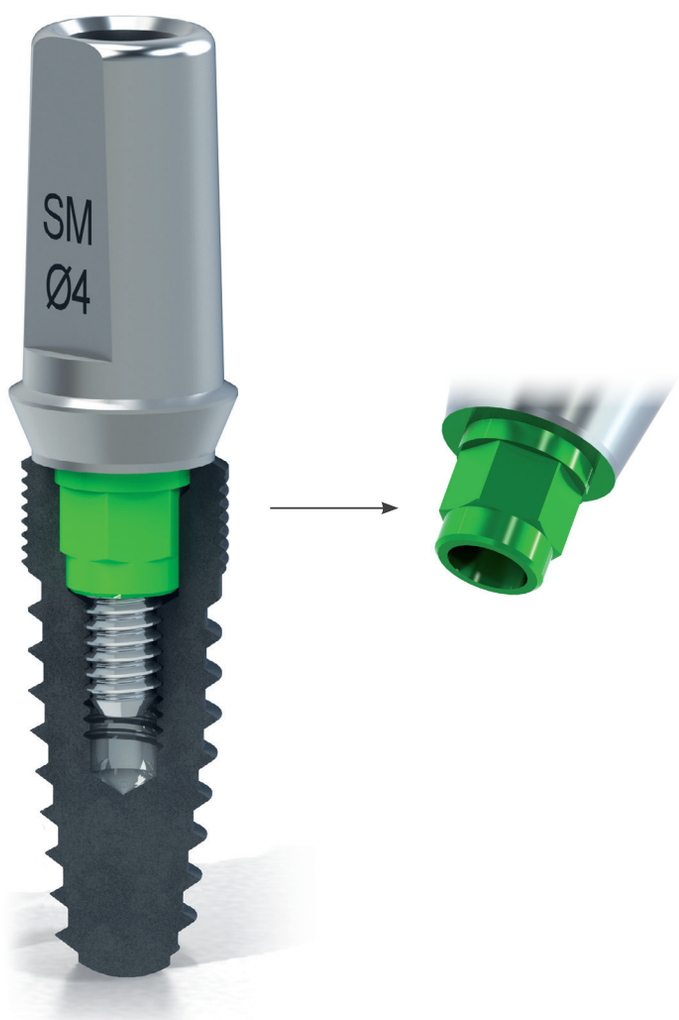
The **colour coding** dramatically simplifies the identification of the surgical devices and the secondary components, in relation to the implant to be inserted and naturally prosthesized.

The device **marking** and **colour-code** (where applicable) identify the size and the relative restoration range. For details, please refer to the pages describing the operating procedures of each device.

The **devices** (cutting instruments, surgical instruments, restoration components and accessories) dedicated to the SM connection are marked **SM** to identify and distinguish them from the devices of other Prodent Italia's implant ranges.

All the devices are moreover identified by labels bearing the code, batch number, device characteristics and other pertinent indications by means of standard symbols.

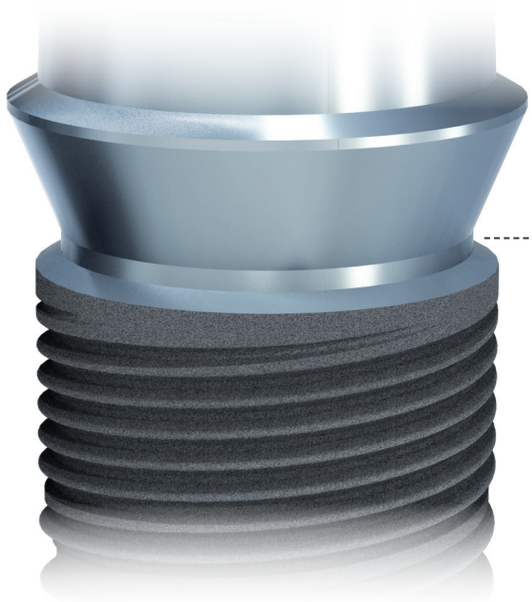
RESTORATION RANGE	RESTORATION RANGE	RESTORATION RANGE	RESTORATION RANGE	RESTORATION RANGE
Ø 3.3	**Ø 3.6**	**Ø 4**	**Ø 4.5**	**Ø 5**
ORANGE	**FUCHSIA**	**GREEN**	**YELLOW**	**BLUE**
PRIME Ø 3.3	*PRIME Ø 3.8 - 4.2*	*PRIME Ø 4.6*	*PRIME Ø 5.1*	*PRIME Ø 5.9*
TWINNER Ø 3.5	*TWINNER Ø 4*	*TWINNER Ø 4.5*	*TWINNER Ø 5*	



RESTORATION CONNECTION - PLATFORM SWITCHING

All implants are provided with “Platform Switching” system - with the exception of the 3.3 diameter ones - which assures that the gingival tissues and consequently the crestal bone level are maintained.

The abutment-implant joint is thus transferred from a vertical to a horizontal plane moving it away from the bone-implant interface point; this condition preserves the peri-implant tissues reducing any triggering of inflammatory phenomena and maintaining the crestal bone level.



“Platform Switching”
Horizontal biological space to maintain the peri-implant soft tissues.

PRIME IMPLANTS RANGE

The **PRIME** and **PRIME FREE** implants provide the same implant morphology, although the pack includes different components:

- **PRIME**: provided with Cover Screw and Straight Abutment (code with letters MF);

- **PRIME FREE**: provided with Cover Screw (code with letter F).

They are available in six diameters and five heights for the most used diameters (Ø 3.8 to Ø 5.1).

The small 3.3 diameter is available in three heights, while the larger 5.9 diameter is available in four heights.

PRIME IMPLANTS

PRIME **PRIMEFREE**

The pack contains a Straight Abutment ht 1.5 - hc 8

		implant height	codes	Abutment codes	codes
Ø 3.3	restoration range **Ø 3.3** 	h 10	0801351MF	0805190	0801351F
		h 11.5	0801352MF	0805190	0801352F
		h 13	0801353MF	0805190	0801353F
Ø 3.8	restoration range **Ø 3.6** 	h 8.5	0801300MF	0805204	0801300F
		h 10	0801301MF	0805204	0801301F
		h 11.5	0801302MF	0805204	0801302F
		h 13	0801303MF	0805204	0801303F
		h 15	0801304MF	0805204	0801304F
Ø 4.2	restoration range **Ø 3.6** 	h 8.5	0801310MF	0805204	0801310F
		h 10	0801311MF	0805204	0801311F
		h 11.5	0801312MF	0805204	0801312F
		h 13	0801313MF	0805204	0801313F
		h 15	0801314MF	0805204	0801314F
Ø 4.6	restoration range Ø 4 	h 8.5	0801320MF	0805214	0801320F
		h 10	0801321MF	0805214	0801321F
		h 11.5	0801322MF	0805214	0801322F
		h 13	0801323MF	0805214	0801323F
		h 15	0801324MF	0805214	0801324F
Ø 5.1	restoration range **Ø 4.5** 	h 8.5	0801330MF	0805224	0801330F
		h 10	0801331MF	0805224	0801331F
		h 11.5	0801332MF	0805224	0801332F
		h 13	0801333MF	0805224	0801333F
		h 15	0801334MF	0805224	0801334F
Ø 5.9	restoration range **Ø 5** 	h 8.5	0801340MF	0805234	0801340F
		h 10	0801341MF	0805234	0801341F
		h 11.5	0801342MF	0805234	0801342F
		h 13	0801343MF	0805234	0801343F

PRIME IMPLANTS RANGE

The **PRIME COLLAR** implants are available in six diameters and five heights for the most used diameters (Ø 3.8 to Ø 5.1).
The small 3.3 diameter is available in three heights, while the larger 5.9 diameter is available in four heights.
They come all equipped with the related Cover Screw.

PRIMECOLLAR

		implant height	codes
Ø 3.3	restoration range **Ø 3.3**	h 10 h 11.5 h 13	0801551 0801553 0801555
Ø 3.8	restoration range **Ø 3.6**	h 8.5 h 10 h 11.5 h 13 h 15	0801501 0801503 0801505 0801507 0801509
Ø 4.2	restoration range **Ø 3.6**	h 8.5 h 10 h 11.5 h 13 h 15	0801511 0801513 0801515 0801517 0801519
Ø 4.6	restoration range **Ø 4**	h 8.5 h 10 h 11.5 h 13 h 15	0801521 0801523 0801525 0801527 0801529
Ø 5.1	restoration range **Ø 4.5**	h 8.5 h 10 h 11.5 h 13 h 15	0801531 0801533 0801535 0801537 0801539
Ø 5.9	restoration range **Ø 5**	h 8.5 h 10 h 11.5 h 13	0801541 0801543 0801545 0801547

TWINNER IMPLANTS RANGE

The **PRIME TWINNER** implants are available in four diameters and five heights for each diameter.
They come all equipped with the related Cover Screw.

PRIME**TWINNER** IMPLANTS

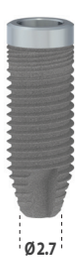
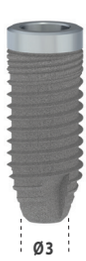
PRIME**TWINNER**

		implant height	codes
Ø 3.5	restoration range **Ø 3.3** 	h 8.5 h 10 h 11.5 h 13 h 15	0801360F 0801361F 0801362F 0801363F 0801364F
Ø 4	restoration range **Ø 3.6** 	h 8.5 h 10 h 11.5 h 13 h 15	0801370F 0801371F 0801372F 0801373F 0801374F
Ø 4.5	restoration range **Ø 4** 	h 8.5 h 10 h 11.5 h 13 h 15	0801380F 0801381F 0801382F 0801383F 0801384F
Ø 5	restoration range **Ø 4.5** 	h 8.5 h 10 h 11.5 h 13 h 15	0801390F 0801391F 0801392F 0801393F 0801394F

TWINNER IMPLANTS RANGE

The **TWINNER COLLAR** implants are available in four diameters and five heights for each diameter.
They come all equipped with the related Cover Screw.

TWINNERCOLLAR

		implant height	codes
Ø 3.5	restoration range **Ø 3.3** 	h 8.5 h 10 h 11.5 h 13 h 15	0801601 0801603 0801605 0801607 0801609
Ø 4	restoration range **Ø 3.6** 	h 8.5 h 10 h 11.5 h 13 h 15	0801611 0801613 0801615 0801617 0801619
Ø 4.5	restoration range **Ø 4** 	h 8.5 h 10 h 11.5 h 13 h 15	0801621 0801623 0801625 0801627 0801629
Ø 5	restoration range **Ø 4.5** 	h 8.5 h 10 h 11.5 h 13 h 15	0801631 0801633 0801635 0801637 0801639

PACK

PACK AND STERILITY

The PRIME RANGE implants are delivered in a sterile plastic ampoule, housed on a ring in pure titanium and, in the case of the TWINNER implants, they are placed on a pure titanium disc. The Cover Screw is fitted into the cap which closes the implant housing. The Straight Abutment, for the applicable packaging and as described below, is fitted into the cap on the opposite side of the Cover Screw. Use the Screwdriver to unscrew it.

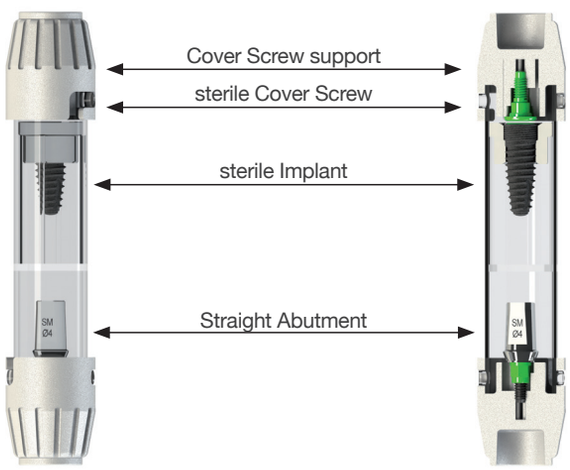
They are available in the following packs:

- **PRIME**: Implant + Cover Screw + Straight Abutment.
- **PRIME FREE**, **PRIME COLLAR**, **PRIME TWINNER**, **TWINNER COLLAR**: Implant + Cover Screw.

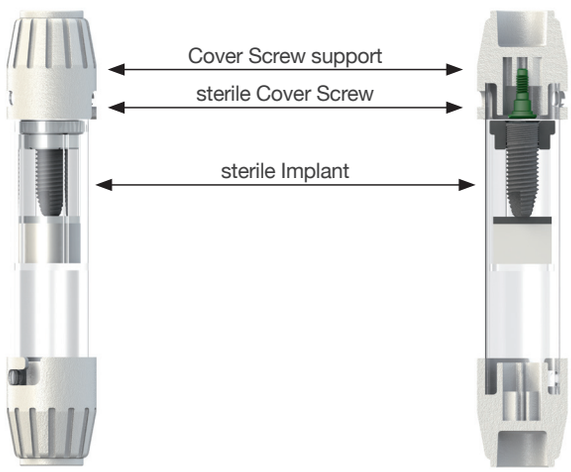
The ampoule is contained in a sealed plastic blister pack to preserve sterility and the blister pack comes in a sealed cardboard box suitable for storage.

The implant housing and its extraction instruments make it possible to avoid contact between the surface of the implant and other components and surfaces, other than titanium, before placement in the site.

The implant label is found on the box. The box also contains the Instructions for Use, the Implant Card and the extra peel-off label with the device identification details, to be attached to the patient's clinical records.



Ampoule that contains the Implant and the Straight Abutment



Ampoule that contains the Implant without the Straight Abutment

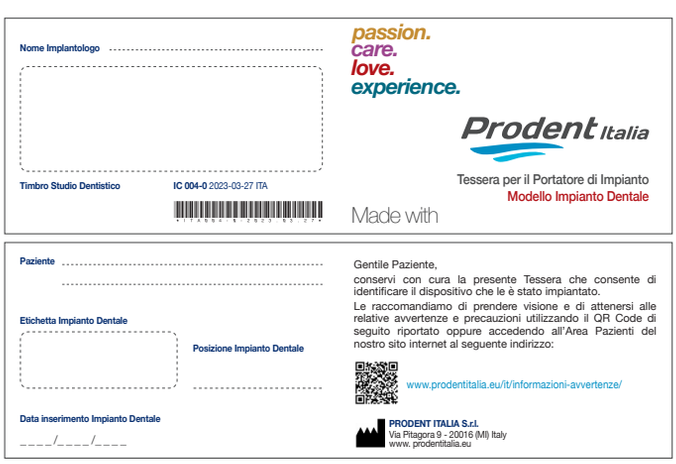
DOCUMENTATION AND IMPLANT IDENTIFICATION

PRODENT ITALIA S.r.l. recommends that you keep the complete clinical/radiological and statistical documentation.

The implant and the prosthetic component identifications are assured if the label contained in the pack is applied on the patient record, or if the implant data (implant type, diameter, height and batch number) and the prosthetic component data (prosthetic component type, diameter and batch number) are transcribed on the patient record or otherwise filed.

The operator should complete the Implant Card (Implant Model/Prosthetic Component Model) contained in the pack, filling in all the required data and applying the peel-off labels in the spaces provided.

The Card should then be handed to the patient providing him or her with all the instructions to follow after the operation.



Implant Card - Dental Implant Model

Implant Card - Prosthetic Component Model

PACK

Each implant in the PRIME RANGE is packed in a specific box, which allows the type of implant contained to be easily and immediately identified.

PRIME implants pack

PRIME FREE implants pack

PRIME COLLAR implants pack

PRIME TWINNER implants pack

TWINNER COLLAR implants pack

STORING AND HANDLING THE PACK

Implant sterility is guaranteed if the original pack is unopened, intact and stored in a dry place at ambient temperature until the expiry date indicated on the label (5 years from the date of sterilization - shelf-life). Before using the implant, always check that the pack is undamaged and shows no visible signs of damage that could compromise its sterility.

The pack must not be opened until the implant is to be used. The blister must be opened and the implant taken out in asepsis conditions.

SURGICAL PLANNING

Before surgery, it is of fundamental importance to perform a careful preoperative anamnesis of the patient in order to verify the suitability of the implantation treatment. After excluding any contraindication to the implant-restoration treatment (see CONTRAINDICATIONS paragraph in the Instructions for Use of the Implants), it is essential that the practitioner carries out careful clinical planning taking various aspects into account, such as the position and optimal orientation of the chosen implants in relation to the occlusal plane and correct stress distribution. At this stage, it may be helpful to prepare a surgical template to guide correct positioning of the implants during surgery. Depending on the case, you can decide whether to use a one- or two-phase surgical procedure.

As well as a clinical and radiographic evaluation, the specialist can do a CAT scan of the area involved and, once obtained the radiographic and tomographic plates, he can identify the most suitable implant.

Clinical planning should also take into account the minimum distance to be respected between implants or between the implant and the natural tooth. That way you can prevent possible clinical complications that might compromise success of the surgical treatment.

Implant integration is a necessary prerequisite for the subsequent final prosthesization. Following implant insertion, the following timeframes are possible:

- the prosthetic component (in its various versions) is connected to the implant during surgery by immediately applying a temporary prosthesis that will be replaced with the final prosthesis when osteointegration is complete;
- the Healing Screw is applied contextually with implant insertion, or after a variable period of time required for the mucosa to heal, which will depend on the screw morphology, so as to create a suitable site for the prosthetic component;
- once the osteointegration process has been completed, the Healing Screw will be connected and followed directly by the prosthetic component, according to a procedure that may be defined “conventional”.

The choice of the correct procedure to use in the phases following implant insertion is up to the practitioner, based on his or her evaluation of the surgical treatment suited to the clinical case. Prodent Italia merely provides indications and warnings on the correct sequence and on the procedures for using the components that may be employed in the surgical and prosthetic phases. As conventional procedures have always been considered more conservative, in case of doubt on which phase to choose, it would be preferable to use a conventional procedure as a precautionary measure.

SURGICAL PLANNING

In implant-restoration treatments, it is always preferable to use implants of a diameter suited to the size of the missing part, thus optimising the quality of the prosthesis from both the aesthetic and the biomechanical point of view.

The table below shows the dental positions where the PRIME RANGE implants perform best. By “discretionary position” we mean a position selected by the practitioner only after careful evaluation of the implant size in relation to the prosthetic load.

colour code										
Ø Restoration range	Ø 3.3		Ø 3.6			Ø 4		Ø 4.5		Ø 5
Ø Implants	PRIME	TWINNER	PRIME	TWINNER	PRIME	TWINNER	PRIME	TWINNER	PRIME	PRIME
	Ø 3.3	Ø 3.5	Ø 3.8	Ø 4	Ø 4.2	Ø 4.5	Ø 4.6	Ø 5	Ø 5.1	Ø 5.9
UPPER mssing parts										
CENTRAL INCISORS	■		■		△	●		●		△
LATERAL INCISORS	●		●		●	●		△		■
CANINES	■		■		△	●		●		△
PREMOLARS	■		■		△	●		●		●
MOLARS	■		■		■	△		●		●
LOWER mssing parts										
CENTRAL INCISORS	●		●		●	△		△		■
LATERAL INCISORS	●		●		●	△		△		■
CANINES	■		■		●	●		●		△
PREMOLARS	■		■		△	●		●		△
MOLARS	■		■		■	△		●		●

● optimal position △ discretionary position ■ contraindicated position

If used in DISCRETIONARY position, do not prosthesize Ø 4 TWINNER and Ø 4.2 PRIME implants with abutments having an angulation **greater than 17°**.

In the case of implant-restoration treatments with immediate loading threaded implants, we recommend that you refer to the dedicated section “FAST surgical planning”.

PRIME SURGICAL TRAY

There are two different Surgical Trays available, which are easy to distinguish since they have printed - both on their cover and on their inside - the name of the type of implant they are intended for: PRIME or TWINNER.

Depending on the type of implant chosen, the relative Surgical Tray contains all the cutting instruments and surgical accessories needed for the surgical site preparation and for the subsequent implant insertion.

Made of sterilizable plastic, the Surgical Trays are customised with colours and screen-printing that allow them to be practically and intuitively used by both the operator during surgery, and by the assisting staff when washing and placing the devices back into the Surgical Tray. The position of each instrument is indicated by the corresponding screen-printed image, and where devices are available in different variants, their size is indicated too, so to identify the correct instrument to use.

The coloured lines - that follow the identification colour code - guide the operator, facilitating the use of the surgical instruments in the correct sequence.

The silicon instrument holders are customised based on the instrument they are intended to house; they also help to hold the instruments in place during handling and sterilization of the Surgical Tray.

PRIME Surgical Tray
0810900

TWINNER SURGICAL TRAY

TWINNER Surgical Tray
0810901

SURGICAL ACCESSORIES

TISSUE PUNCHES

To be used connected at the Contra-angle at low rotation speed (25 RPM), when applying the ***flapless*** surgical technique, to remove the portion of gingival tissue on the cortical bone, creating holes meant for the successive passages of bone burs.
Ø 4.3 and Ø 5.5 Tissue Punches create a hole with a diameter 3.3 and 4 respectively. The diameter marked on the device refers to its maximum outer dimensions. For complete removal of the gingival tissue after the passage of the Tissue Punches, it may be necessary to use manual instruments.
In case of low thickness of keratinized gingival tissue, it is advisable not to use Tissue Punches, but to make an incision in the flap in correspondence of the implant site. They can also be used to create holes that are useful for the removal of cover screws without opening the flap.

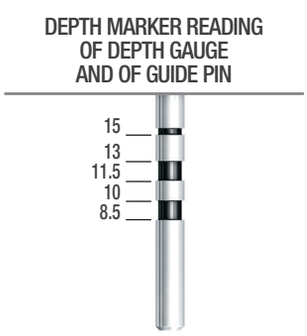
0503070
Ø 4.3

0503071
Ø 5.5

Ø 2.2 DEPTH GAUGE/ GUIDE PIN

To be used after the Slim Pilot Bur passage, to assess the depth of the surgical site also radiographically. In the event that two or more implants are inserted, the pin can be used as reference for parallelism.

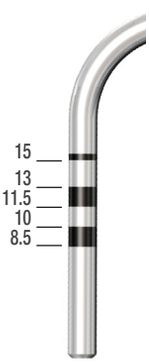
0810100



Ø 2.2 DEPTH GAUGE

This instrument allows you to assess the depth of the surgical site created by means of the Slim Pilot Bur.

0810102



DEPTH MARKER READING OF
DEPTH GAUGE

17° Ø 2.2 GUIDE PIN

To be used after the Slim Pilot Bur passage, in order to assess the implant insertion axis with respect to the prosthetic axis.

0810101

BUR EXTENSION

To be used in order to extend the connection between the Bur and the Contra-angle without exceeding a torque of 45 Ncm.

0510059

DIGITAL WRENCH

To be used connected to the Screw Taps in order to start tapping the surgical site and connected to the Manual Drivers for manual implant insertion.
To be used connected to the Driver for EQUATOR, the Digital Wrench allows the first screwing of the EQUATOR attachments in the implants.

0510064

SURGICAL ACCESSORIES

SCREWDRIVERS

For screwing and unscrewing all Screw types. Available with three different lengths, they allow comfortable use, even with customised restorations.

long
2410062

medium
2410061

short
2410060

CONTRA-ANGLE CONNECTION

For mechanical use of Screw Taps and Implants Manual Drivers. Never exceed 25 RPM and a torque of 45 Ncm.

0510062

EXTENSION

To be used when it is deemed necessary to increase the length of the connection between the Digital Wrench or the Torque Wrench or the Contra-angle Connection and dedicated devices.

0510060

TORQUE WRENCH

With fixed function to complete the manual insertion of the implant and the tapping operations of the surgical site. The device also has a torque function with adjustment markers at 20-30-45-60-70 Ncm. Cleaning, disassembly and assembly operations are described in the instructions for use.

0510120

DIRECTION GUIDE

It is indicated in clinical cases involving the prosthetic restoration of an entire arch in which implants are inserted into the bone at angles of up to 30°.

Thanks to the indicators on the guide, it allows the practitioner to have an indication of the implant insertion axis, both when it is perpendicular to the bone crest (0°) and when it has an offset of 17° to 30°.

It must be bent by hand, following the shape of the arch, and secured to the bone crest by inserting its 11 mm mobile shaft into a site prepared for the purpose using a Pilot Bur.

The receiving site should be made in the centre of the frontal area mesially to the sites in which the implants are to be inserted.

0510125

BURS AND DRILL STOPS

All the PRIME RANGE implants share the Corticotomy Bur and Slim Pilot Bur with relative Drill Stops. Based on the type of implant to be inserted, specific intermediate and final burs are provided: Tapered for PRIME, Cylindrical and Countersink for TWINNER.

All the burs, that have to be used connected to the Contra-Angle, are made of surgical stainless steel and feature an excellent cutting performance. To prevent the bone from overheating, use the burs under abundant sterile saline solution and do not exceed 800 RPM.

The Corticotomy Bur is used to make incisions in the cortex.

The Slim Pilot Bur is used after the Corticotomy Bur to reach the final depth of the implant receptor site. It can be used with or without the corresponding Drill Stops and it has an O-ring for connecting to those devices.

The Conical and Cylindrical Drills must be used after the Slim Pilot Bur. According to a specific sequence, they are used to obtain the final shape and size of the implant site for the implant body.
Before using the Bur dedicated to the implant to be inserted, gradually widen the site respecting the surgical sequence indicated in the Clinical Protocol, paying attention to the depth to be reached.

The Burs for Compact Bone allow you to adapt to the surgical site to avoid excessive torques during the implant insertion in case of compact bone, keeping it suitable for the stability of the implants.

The Countersink Burs allow you to correctly obtain the exact dimension of the neck of TWINNER implants in the cortical bone.

The Drill Stops can be connected to the Slim Pilot Bur. They must be inserted from the cutting-edge side, up to the stop and complete coverage of the cylinder placed in the center of the bur. They ensure that the required depth is observed during milling. Their use is recommended to have a better perception of the depth reached by the bur. On reaching the required depth, they rest directly on the bone, preventing further drilling. Before cutting, check always that the lower face of the drill stops is aligned with the depth mark corresponding to the height of the implant.

The colour of the o-rings of the Cylindrical Bone Drills is important only when used as final bur. In this case, it follows the PRIME RANGE colour coding. The red double O-ring of the Slim Pilot Bur is only intended to assure a proper coupling of the Bur to the relative Drill Stops.

For the exact sequence of the burs to be used according to the implant to be inserted, please consult the "Surgical sequence" section.

BURS AND DRILL STOPS

Ø 2
CORTICOTOMY
1003001

Ø 2.2
SLIM PILOT
0803700

Ø 2.2
DRILL STOPS
SLIM PILOT

h 8.5	0810855
h 10	0810856
h 11.5	0810857
h 13	0810858
h 15	0810859

PRIME

CONICAL

	Ø 3.3	Ø 3.8	Ø 4.2	Ø 4.6	Ø 5.1	Ø 5.9
h 8.5	-	0803180	0803150	0803160	0803170	0803190
h 10	0803156	0803181	0803151	0803161	0803171	0803191
h 11.5	0803157	0803182	0803152	0803162	0803172	0803192
h 13	0803158	0803183	0803153	0803163	0803173	0803193
h 15	-	0803184	0803154	0803164	0803174	-

TWINNER

CYLINDRICAL

Ø 3 0803210
Ø 3.4 0803211
Ø 3.9 0803212
Ø 4.4 0803213

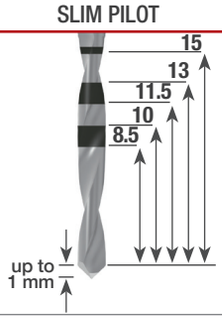
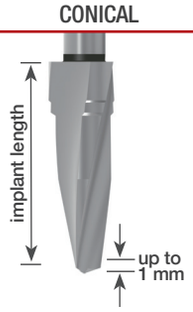
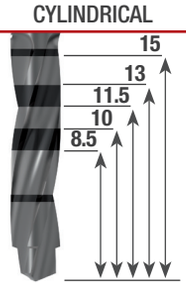
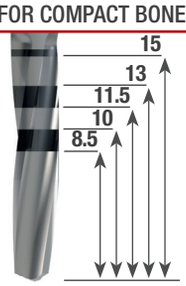
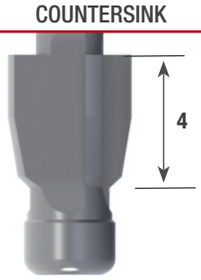
FOR COMPACT BONE

Ø 3.2 0803220
Ø 3.7 0803221
Ø 4.3 0803222
Ø 4.6 0803223

COUNTERSINK

Ø 3.5 0803214
Ø 4 0803215
Ø 4.5 0803216
Ø 5 0803217

BUR DEPTH MARKER AND CUTTING EDGE READING

SLIM PILOT	PRIME CONICAL	TWINNER CYLINDRICAL	TWINNER FOR COMPACT BONE	COUNTERSINK
				

INDICATORS AND SCREW TAPS

According to the type of implant to be inserted - PRIME or TWINNER – and to the relative implant sizes, there are specific Screw Taps and Neck Diameter Indicators available. All the devices are marked with the diameter corresponding to the implant they are intended for. All the Neck Diameter Indicators are also marked with the relative item code. Moreover, the Neck Diameter Indicators for PRIME are colour coded. All Screw Taps bear specific depth markers.

NECK DIAMETER INDICATORS

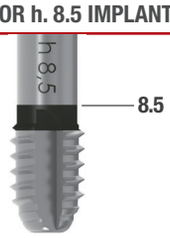
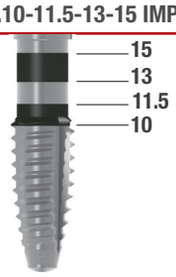
After using the Slim Pilot Bur, the Neck Diameter Indicators allow you to assess the neck diameter of the implant to be inserted.

SCREW TAPS

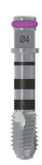
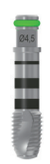
In the event of compact bones - after producing the surgical site, using the burs - the Screw Taps allow you to screw the bone, reducing the implants insertion torque. It is possible to screw manually the tap with the Digital Wrench and/or with the Torque Wrench. If you proceed mechanically, use the Contra-angle Connection and do not exceed 25 RPM and a torque of 45 Ncm.
The Screw Taps for TWINNER implants must only be used in the cases indicated in the dedicated table at the end of the “TWINNER Surgical Sequence” of the Clinical Protocol.

PRIME

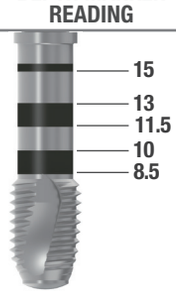
Implant diameter	Ø 3.3	Ø 3.8	Ø 4.2	Ø 4.6	Ø 5.1	Ø 5.9
NECK DIAMETER INDICATORS	 0810155	 0810150	 0810151	 0810152	 0810153	 0810154
SCREW TAPS FOR IMPLANTS h 8.5	/	 0804301	 0804311	 0804321	 0804331	 0804361
SCREW TAPS FOR IMPLANTS h 10 -11.5 - 13 - 15	 0804350	 0804300	 0804310	 0804320	 0804330	 0804340

	FOR Ø 3.3 IMPLANTS	FOR h. 8.5 IMPLANTS	FOR h.10-11.5-13-15 IMPLANTS
DEPTH MARKER READING	 There is only one reference depth marker for all the heights: the self-tapping section of the implant increases as the implant height increases.		

TWINNER

Implant diameter	Ø 3.5	Ø 4	Ø 4.5	Ø 5
NECK DIAMETER INDICATORS	 0810156	 0810157	 0810158	 1010153
SCREW TAPS	 0804370	 0804371	 0804372	 0804373

DEPTH MARKER READING

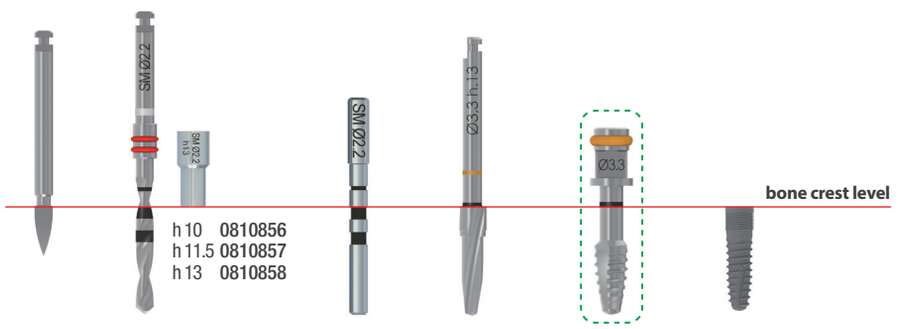


PRIME IMPLANTS SURGICAL SEQUENCE

SEQUENCE BASED ON IMPLANT DIAMETER AND HEIGHT

The devices with green code (in the dotted box) are optional and they must be used **only** in a compact bone.

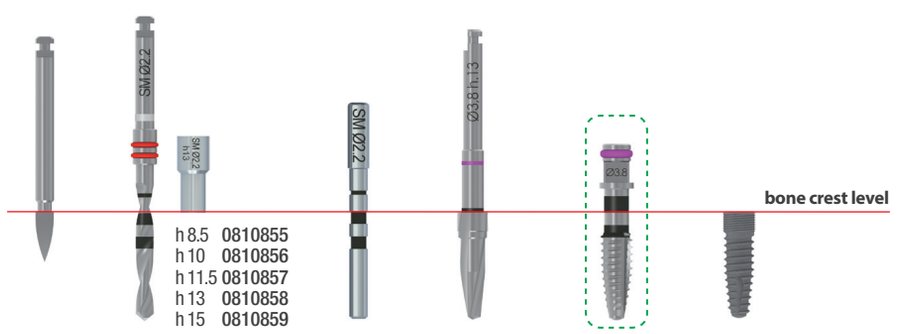
Ø 3.3



h 10 0810856
h 11.5 0810857
h 13 0810858

1003001 | 0803700 | 0810100 | h 10 0803156 h 11.5 0803157 h 13 0803158 | h 10-11.5-13 0804350 | Ø 3.3

Ø 3.8



h 8.5 0810855
h 10 0810856
h 11.5 0810857
h 13 0810858
h 15 0810859

1003001 | 0803700 | 0810100 | h 8.5 0803180 h 10 0803181 h 11.5 0803182 h 13 0803183 h 15 0803184 | h 8.5 0804301 h 10-11.5-13-15 0804300 | Ø 3.8

Ø 4.2

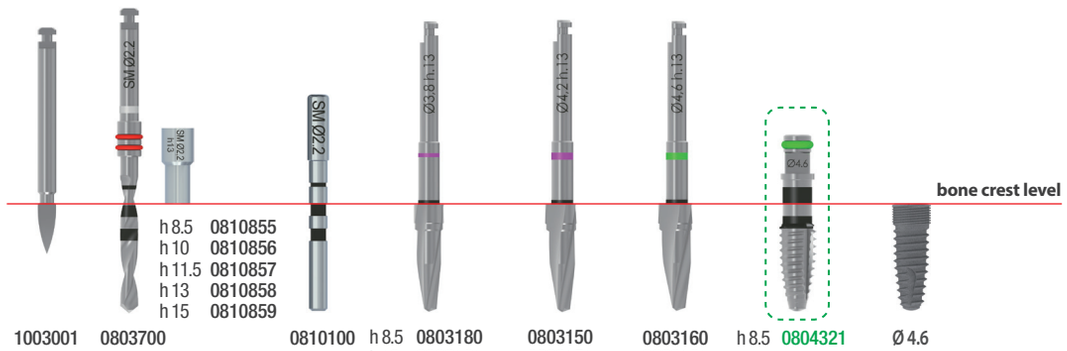
h 8.5 0810855
h 10 0810856
h 11.5 0810857
h 13 0810858
h 15 0810859

1003001 | 0803700 | 0810100 | h 8.5 0803180 h 10 0803181 h 11.5 0803182 h 13 0803183 h 15 0803184 | 0803150 0803151 0803152 0803153 0803154 | h 8.5 0804311 h 10-11.5-13-15 0804310 | Ø 4.2

SEQUENCE BASED ON IMPLANT DIAMETER AND HEIGHT

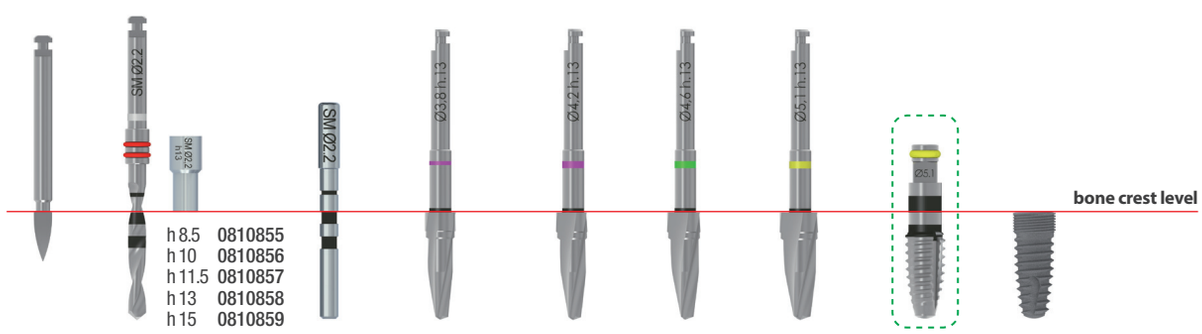
The devices with green code (in the dotted box) are optional and they must be used **only** in a compact bone.

Ø 4.6



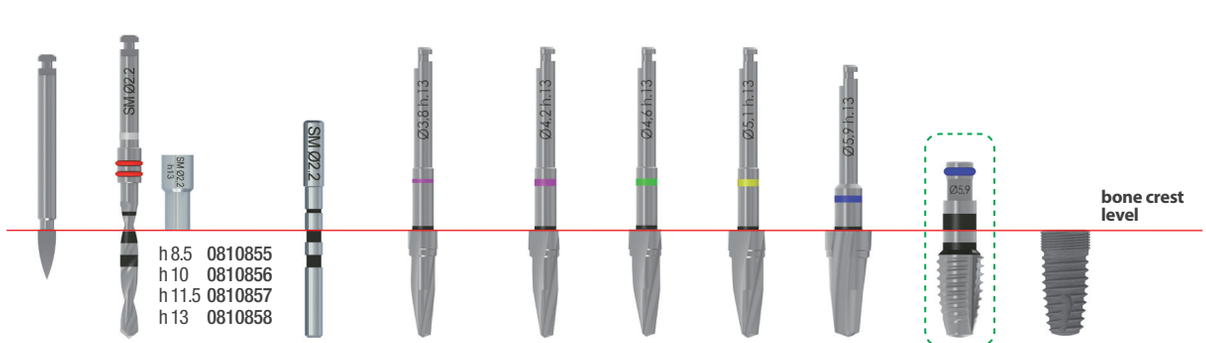
1003001	0803700	0810100	Ø3.8 h13	Ø4.2 h13	Ø4.6 h13	Ø4.6	Ø 4.6
	h 8.5 0810855 h 10 0810856 h 11.5 0810857 h 13 0810858 h 15 0810859		h 8.5 0803180 h 10 0803181 h 11.5 0803182 h 13 0803183 h 15 0803184	0803150 0803151 0803152 0803153 0803154	0803160 0803161 0803162 0803163 0803164	h 8.5 0804321 h 10-11.5-13-15 0804320	

Ø 5.1



1003001	0803700	0810100	Ø3.8 h13	Ø4.2 h13	Ø4.6 h13	Ø5.1 h13	Ø5.1	Ø 5.1
	h 8.5 0810855 h 10 0810856 h 11.5 0810857 h 13 0810858 h 15 0810859		h 8.5 0803180 h 10 0803181 h 11.5 0803182 h 13 0803183 h 15 0803184	0803150 0803151 0803152 0803153 0803154	0803160 0803161 0803162 0803163 0803164	0803170 0803171 0803172 0803173 0803174	h 8.5 0804331 h 10-11.5-13-15 0804330	

Ø 5.9



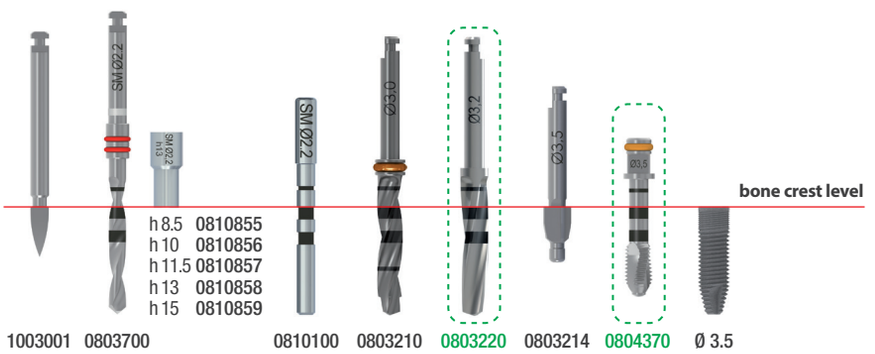
1003001	0803700	0810100	Ø3.8 h13	Ø4.2 h13	Ø4.6 h13	Ø5.1 h13	Ø5.9 h13	Ø5.9	Ø 5.9
	h 8.5 0810855 h 10 0810856 h 11.5 0810857 h 13 0810858		h 8.5 0803180 h 10 0803181 h 11.5 0803182 h 13 0803183	0803150 0803151 0803152 0803153	0803160 0803161 0803162 0803163	0803170 0803171 0803172 0803173	0803190 0803191 0803192 0803193	h 8.5 0804361 h 10-11.5-13 0804340	

TWINNER IMPLANTS SURGICAL SEQUENCE

SEQUENCE BASED ON IMPLANT DIAMETER AND HEIGHT

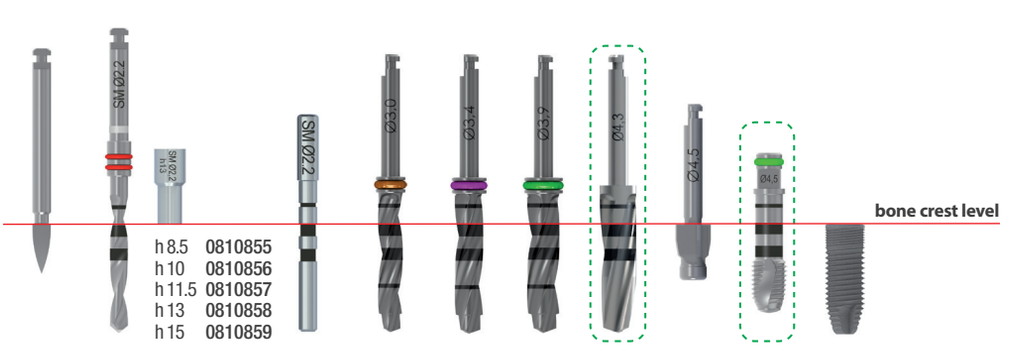
The devices with green code (in the dotted box) are optional and they must be used **only** in a compact bone.

Ø 3.5



Ø 4

Ø 4.5



SEQUENCE BASED ON IMPLANT DIAMETER AND HEIGHT

The devices with green code (in the dotted box) are optional and they must be used **only** in a compact bone.

The practitioner shall be responsible for evaluating the quality of the receiving bone and choose whether using the devices for compact bone. In the **Surgical Sequence for Compact Bone,** the Bur for Compact Bone must always be used, while the Screw Tap must be used only for the diameters and heights indicated in the following table:

Ø implant	implant h: h 8.5	h 10	h 11.5	h 13	h 15
Ø 3.5	■	■	■	■	●
Ø 4	■	■	■	●	●
Ø 4.5	■	■	●	●	●
Ø 5	■	■	●	●	●

■ do not use the Screw Tap ● use the Screw Tap

DRIVERS

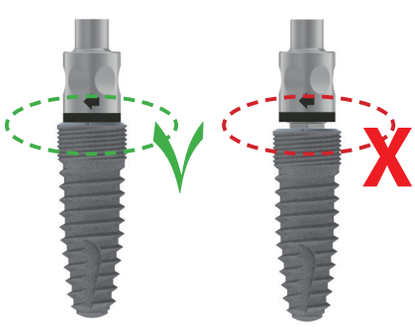
MANUAL DRIVERS

To be used connected to the Digital Wrench, to take the implants from the ampoule and to place them in the implant site to then proceed with their manual or mechanical insertion.

CONTRA-ANGLE DRIVERS

To be used connected to the Contra-angle, to take the implants from the ampoule and to place them in the implant site to then proceed with mechanical insertion. Complete insertion by screwing in. Never exceed 25 RPM and a maximum torque of 45 Ncm.

Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
MANUAL DRIVERS	 0810170	 0810171	 0810172	 0810173	 0810174
CONTRA-ANGLE DRIVERS	 0810175	 0810176	 0810177	 0810178	 0810179

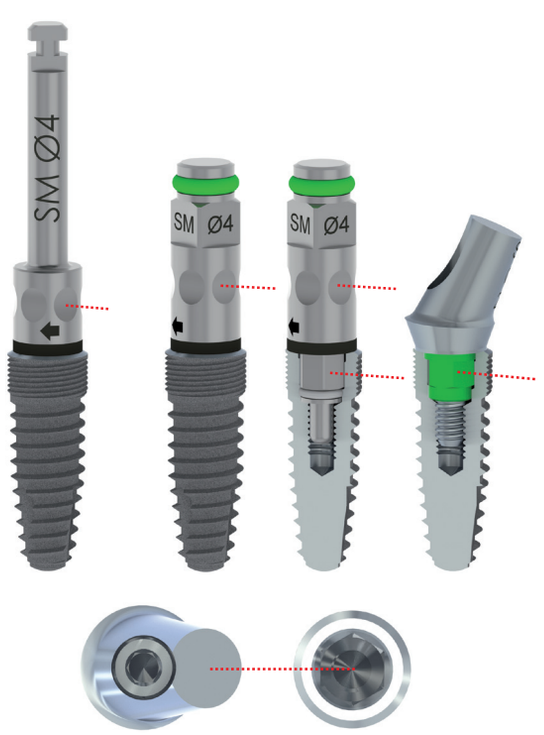


Place the Driver into the implant connection, checking that it has completely engaged the implant connection. During the procedures for extracting the implant from the ampoule, we recommend that you **gently press the Driver and at the same time rotate it clockwise to perfectly connect the Driver and the implant.**

Incorrect procedures would prevent proper use of the device: in these events, **it is recommended to repeat the connection procedure.**

The Drivers have six indents, which, when the Driver is inserted in the implant, indicate the position of the hex faces of the connection.

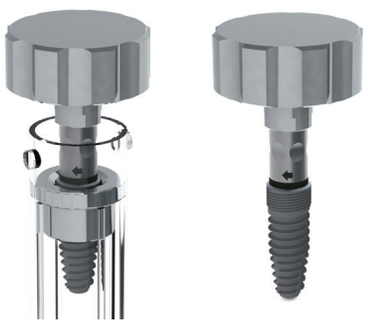
If the implant is prosthesized with an Angled Abutment, during the insertion of the implant it is important to match one of the Driver's indents with the implant axis, so that once inserted, the Angled Abutment has an optimal angle.



IMPLANT INSERTION

Primary stability of the implants is essential to ensure success: it is advisable to solve any unfavorable situations before surgery. During and after the surgery, it is advisable to follow all the instructions provided by this Protocol.

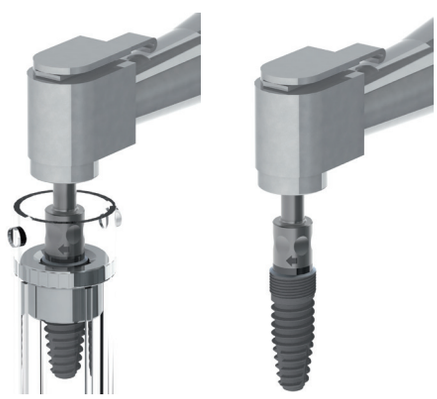
MANUAL INSERTION



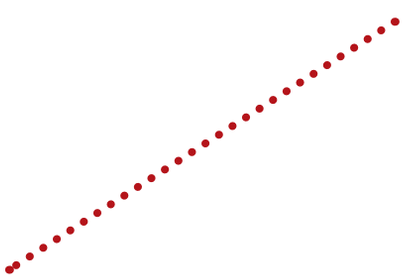
The implant is extracted from the sterile ampoule with the Digital Wrench and the Manual Driver for the first screwing phase of the implant into the implant site.

Insertion of the implant completed with the Torque Wrench and the Manual Driver. It is recommended **not to exceed a Torque of 60 Ncm.**

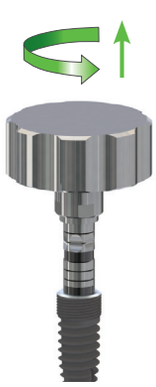
MECHANICAL INSERTION



The implant is extracted from the sterile ampoule with the Contra-angle and with the Contra-angle Driver for the screwing phase of the implant into the implant site. It is recommended **not to exceed 25 RPM and a Torque of 45 Ncm**.



DRIVER REMOVAL AFTER THE IMPLANT INSERTION



After the Driver use and before extracting it upwards, if the insertion torque is close to its maximum limit (60 Ncm), it can be useful to gently press the Driver rotating it anticlockwise to more easily detach it from the implant.

In order to extract the Driver, it can be useful to use the Digital Wrench.

PREOPERATIVE AND STERILE DEVICE PREPARATION

IMPORTANT RECOMMENDATIONS FOR DEVICE CLEANING AND STERILIZATION

Cleaning and sterilization procedures must be carried out under the practitioner's responsibility by qualified personnel using regularly maintained, calibrated and validated instruments. It is recommended to use validated and continually monitored cleaning and sterilization processes under the practitioner's responsibility and according to the information provided by the manufacturer of the detergent and of the eventual washing machine. It is recommended to refer to UNI EN ISO 17665 for the development, validation and routine control of the moist heat sterilization process and to UNI EN 13060 to determine the test methods of steam sterilizers and define the sterilization cycles.

Both single-use and reusable devices **MUST** be cleaned, disinfected and sterilized through validated method and under the practitioner's responsibility immediately before using them on the patient.
To clean, disinfect and sterilize the devices to be used by the practitioner, it is recommended to follow the following Protocol validated by Prodent Italia.

Cleaning and sterilization Protocol

Cleaning and disinfection phase:

- Immerse the samples in demineralized water at 45°C and brush them manually with a toothbrush. Thereafter brush them with a hard bristle toothbrush for at least 30 seconds.
- Immerse the devices in an ultrasonic tank using a suitable neutral detergent and following the Instructions for Use of the manufacturer thereof.
- Rinse the device well with demineralized water for at least 4 minutes in an ultrasonic tank.

Drying phase: dry in a cool, dry place away from contamination.

Sterilization phase: once the drying phase is completed, the devices must be packaged in sterilization bags and steam sterilized at 134°C for at least 5 minutes.

STORAGE

After sterilization, the devices must be kept in the bags used for sterilization. The bags are to be opened just before use. Items sterilized in bags may not be stored for longer than recommended by the bag manufacturer.

The devices must be stored in a cool and dry place away from direct sunlight, water and heat sources.

REGULATORY REFERENCES

Prodent Italia designs, manufactures, does the post-market surveillance and vigilance of all its devices in compliance with the regulations for medical devices in force.

DISPOSAL PROCEDURES

After use, the devices must be disposed of as biological waste in accordance with the local regulations in force.

HEALING SCREWS

Intended to be screwed directly into the connection of the implant to which they are dedicated. The Healing Screws allows you to condition the soft tissues healing until the subsequent assembly of the final component and the final prosthetic handwork.

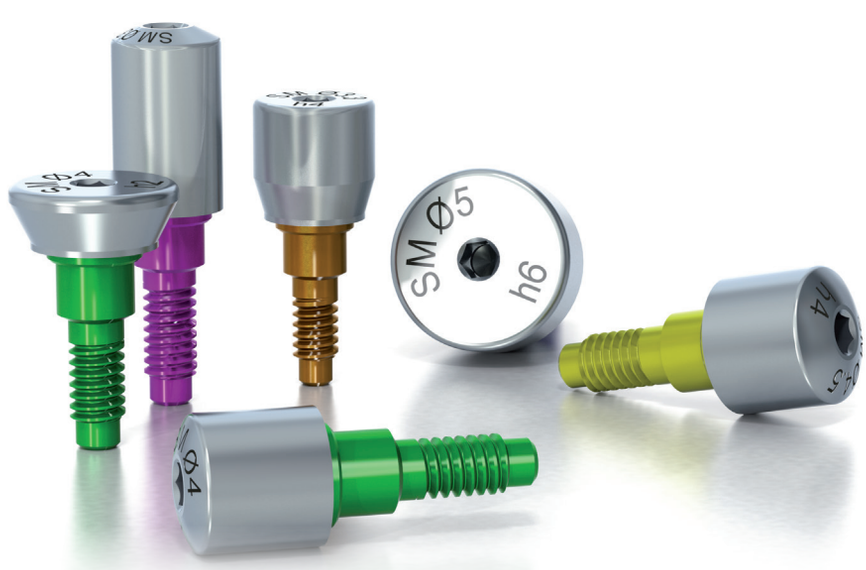
The tapered design responds to the practitioner need to condition the mucous membrane with tapered morphology.

The cylindrical design responds to the practitioner need to condition the mucous membrane with cylindrical morphology and in case there is little space between the nearby or converged implants or between tooth and implant.

The marking on the Screw head allows the devices to be identified by means of the Restoration Range diameter and the transmucosal height (ht).

Restoration Range		Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
TAPERED HEALING SCREWS	ht 2	 0806148	 0806150	 0806153	 0806156	 0806159
	ht 4	 0806149	 0806151	 0806154	 0806157	 0806160
	ht 6	/	 0806152	 0806155	 0806158	 0806161
CYLINDRICAL HEALING SCREWS	ht 4	 0806205	 0806200	 0806201	 0806202	 0806203
	ht 6	 0806210	 0806206	 0806207	 0806208	 0806209

Based on the soft tissue conditioning carried out with the cylindrical or tapered Healing Screw, it is recommended to sequentially use devices with the same configuration both for impression taking and for the subsequent prosthesization, so that there are no dimensional interferences that might irritate the soft tissues surrounding the implants.



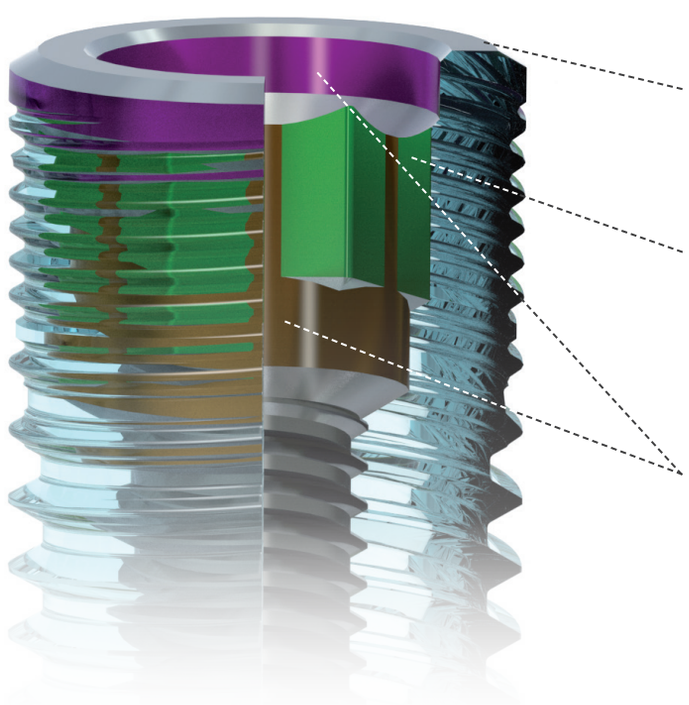
PROSTHETIC PLATFORMS

The PRIME RANGE implants share the same **SM** implant-restoration connection, which in the secondary components is identifiable by the laser marking and colour code pertaining to the **restoration range**: this dramatically simplifies the identification of the secondary components to be used in relation to the implant inserted. Where possible, the symbol SM is marked.

Different restoration solutions are available: as well as the classic preformed components, you can choose other solutions, such as Multi Abutments, Link Bases, Equator and the FAST range dedicated to Immediate Loading Threaded Implants.

The connection diameter varies in relation to the implant diameter and defines the reference **restoration range**.

	PRIME	TWINNER	PRIME	TWINNER	PRIME	TWINNER	PRIME	TWINNER	PRIME	PRIME
	Ø 3.3	Ø 3.5	Ø 3.8	Ø 4	Ø 4.2	Ø 4.5	Ø 4.6	Ø 5	Ø 5.1	Ø 5.9
	RESTORATION RANGE Ø 3.3 ORANGE		RESTORATION RANGE Ø 3.6 FUCHSIA			RESTORATION RANGE Ø 4 GREEN		RESTORATION RANGE Ø 4.5 YELLOW		RESTORATION RANGE Ø 5 BLU
HEX	2.2		2.4			2.5		2.7		3
SCREW	1.6		1.8			1.8		2		2



Connection surface: it allows distributing the compressive masticatory load.

Engaging hex: 1.6 mm high, it withstands torsional stresses preventing restoration component rotation and micromovements of the interface that contribute to loosening of the through screw.

Cylindrical surfaces: they avoid transverse and flexural stresses, preventing them from overloading the hex or the connection screw.

MATERIALS

- **Grade 5 titanium**: Healing Screws, metal Prosthetic Components, Direction Guide (marked sheet in grade 2 Titanium), Drill Stops, Neck diameter indicators, metal devices for Impression Taking, Fastening Screws
- **Surgical stainless steel**: Surgical Accessories, Burs, Screw Taps, Drivers, Restoration Accessories
- **Peek**: Easytransfer, Transfer for Ball Attachments, non-titanium parts of Scanmarkers, Carrier for 0° FAST Bases, Guides for FAST Countersink Bur
- **Polycarbonate**: all castable parts of Prosthetic Components
- **Polyphenylsulphone**: Easycap

IMPRESSION TAKING AND MODEL

The components intended for impression-taking and model development are of fundamental importance to reproducing the position of the implants in the patient's oral cavity with absolute precision. For this reason, these components too are manufactured with the same construction tolerances as the implants and the restoration components.
There are various kind of Transfers, allowing the practitioner to choose the most suitable option for the restoration work to be performed.

PRECISION IMPRESSION TRANSFERS

Designed for use connected to implants with their Screws, they are suitable for taking precision dental impressions by means of a custom perforated impression tray, even in the case of implants with non-parallel axes. They are available in a cylindrical and tapered variant, depending on the conditioning previously selected by means of the Healing Screws.

EASYCAP AND TEAR-OFF IMPRESSION TRANSFERS

Designed for use connected to implants with their Screws, they are used to take impressions with an unperforated impression tray by means of tear-off technique for a maximum number of three implants with disparallelism within 8°. Connected to the Easycap, they are suitable for taking dental impressions with a high level of precision. Used without Easycap, they are suitable for taking standard dental impressions.

EASYCAP

Designed for use connected to Easycap and Tear-off Impression Transfers, on which it is to be pressure-fitted.

EASYTRANSFER FOR LINK BASES

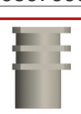
Used to take conventional impressions with unperforated impression tray on single implant. Designed for use connected to Link Base, on which it is to be pressure-fitted.

IMPLANT ANALOGUES

Taking the impression with Transfer, they are used to create the working model on which the dental technician builds the prosthetic handwork.

DIGITAL ANALOGUES

Taking the impression with Scanmarker, they are used to create the prototyped and 3D printed working model on which the dental technician builds the prosthetic handwork.

Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
TAPERED PRECISION IMPRESSION TRANSFERS	 0807105	 0807100	 0807101	 0807102	 0807103
CYLINDRICAL PRECISION IMPRESSION TRANSFERS	 0807205	 0807200	 0807201	 0807202	 0807203
EASYCAP AND TEAR-OFF IMPRESSION TRANSFERS	 0807001	 0807002	 0807003	 0807004	 0807005
EASYCAP			 0807000		
EASYTRANSFER FOR LINK BASES			 0807006		
IMPLANT ANALOGUES	 0809105	 0809100	 0809101	 0809102	 0809103
DIGITAL ANALOGUES	 0809400	 0809401	 0809402	 0809403	 0809404

SCANMARKERS AND SCANMARKERS FOR LINK BASES

SCANMARKERS

Designed for use connected to implants with their Screws, they are used to record intraoral digital impressions using intraoral dental scanners; they will allow you to acquire the position of the implant connection. They are also suitable for scanning models obtained from conventional impressions, using laboratory dental scanners to allow the user to acquire the position of the implant connection.

Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
SCANMARKERS	 0807400	 0807402	 0807404	 0807406	 0807408

SCANMARKERS FOR LINK BASES

Designed for use connected to Link Bases with their Screws, they are suitable for recording intraoral digital impressions using intraoral dental scanners. Positioned directly on Link Bases and screwed together in the implant, they allow you to acquire the position of the implant connection. They are also suitable for scanning models obtained from conventional impressions, using laboratory dental scanners to allow the user to acquire the position of the implant connection.

In order to use the Scanmarkers for Link Bases correctly, connect the Scanmarker to the Link Base without its screws, then connect the Base, together with the Scanmarker, to the implant or to the analogue for laboratory use and finally screw the assembly, using the dedicated Scanmarker screw.

If used combined with **Link Bases ht 1.5** they must be screwed using the **Screw for Scanmarker Link Base ht 1.5**, already provided in the Scanmarker pack (for Ø 3.3 use code 0807413; for Ø 3.6 and Ø 4 use code 0807415 and for Ø 4.5 and 5 use code 0807416), not colour-coded.

Only for Ø 3.3, Ø 4.5 and 5, if used combined with **Link Bases ht 3**, the Scanmarkers for Link Bases must be screwed using the **Screws for Scanmarker Link Base ht 3** (for Ø 3.3 use code 0807414 - orange-coloured; for Ø 4.5 and 5 use code 0807417 - yellow-coloured). The Screw, that is contained in the pack of Ø 3.6 and Ø 4 Scanmarker for Link Bases, can be used with both Link Base ht 1.5 and with Link Base ht 3.

Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
SCANMARKERS FOR LINK BASES	 0807421	 0807422	 0807423	 0807424	 0807425

LINK BASES

To be used with CAD-CAM systems to create customized restorations with adhesive bonding technique. These bases make it possible to create permanent cemented or screwed-retained prostheses with outstanding esthetic characteristics whilst guaranteeing a titanium coupling with the implants. In order to obtain a good restoration result, the Link Bases, of which the coronal height is 6 mm, can be cut in the coronal portion to obtain the suited height to the clinical case to deal with. Cutting at the first marker, the Link Base will be 4 mm coronal high; cutting at the second marker, the Link Base will be 3 mm coronal high.

Available in the **ENGAGING** version with two transmucosal heights (ht) to be chosen according to the restoration planned.

Link bases can be connected either to a Scanmarkers for Link Bases, to be retained using a dedicated screw, in order to take an impression digitally or to a Easytransfer device in order to take an impression on a single tooth using a tear-off technique with a unperforated impression tray.
Do NOT modify Link bases before using them to take impressions with EasyTransfer.

Restoration Range		Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
LINK BASES engaging	ht 1.5	 0805360	 0805362	 0805364	 0805366	 0805368
	ht 3	 0805361	 0805363	 0805365	 0805367	 0805369

CONNECT BASES

CONNECT BASES

To be used with CAD-CAM systems to make customized restorations with adhesive bonding technique. These bases make it possible to create permanent cemented or screw-retained prosthesis with outstanding esthetic characteristics whilst guaranteeing a titanium coupling with the implant. In order to obtain a good restoration result, the Connect Bases must not be modified and postoperative soft tissue healing must take place using the same base combined with a personalised temporary restoration.

Available in the ENGAGING version and in the NON-ENGAGING version, free from anti-rotational constraints, to ease insertion even in the presence of disparallelism. Both versions are available with two transmucosal heights (ht) to be chosen according to the restoration planned. Do not use Connect Bases in the non-engaging version to prosthesize individual implants.

The transmucosal section that can be obtained using the connect bases is not the same as the one obtained using the healing screws. In order to obtain a valid prosthetic solution with outstanding esthetic characteristics, condition the gum with a temporary restoration using a connect base, before fitting the final restoration.

Restoration Range		Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
CONNECT BASES engaging	ht 0	 0805856	 0805857	 0805858	 0805859	/
	ht 2	 0805880	 0805881	 0805882	 0805883	/
CONNECT BASES non-engaging	ht 0	 0805866	 0805867	 0805868	 0805869	/
	ht 2	 0805890	 0805891	 0805892	 0805893	/

MULTI ABUTMENTS

The Multi Abutments are multifunctional components to be used with CAD-CAM systems. They are suitable for temporary or permanent prostheses, according to the method that is most suited to the clinical case.

Available in the ENGAGING version or in the NON-ENGAGING version, which is free from engagement constraints so as to ease insertion even in the event of disparallelism. Do not use Multi Abutments in the non-engaging version to prosthesize individual implants.

MULTI ABUTMENTS CASTABLE SLEEVES

They are designed to be combined with the Multi Abutments to make permanent prostheses with adhesive bonding system, in order to obtain total passivation of the secondary structures.

Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
MULTI ABUTMENTS engaging version	 0805315	 0805316	 0805317	 0805318	 0805319
MULTI ABUTMENTS non-engaging version	 0805305	 0805306	 0805307	 0805308	 0805309
MULTI ABUTMENTS CASTABLE SLEEVES	 0805260	 0805261	 0805262	 0805263	 0805264

STRAIGHT ABUTMENTS

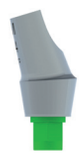
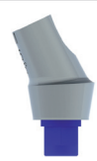
STRAIGHT ABUTMENTS

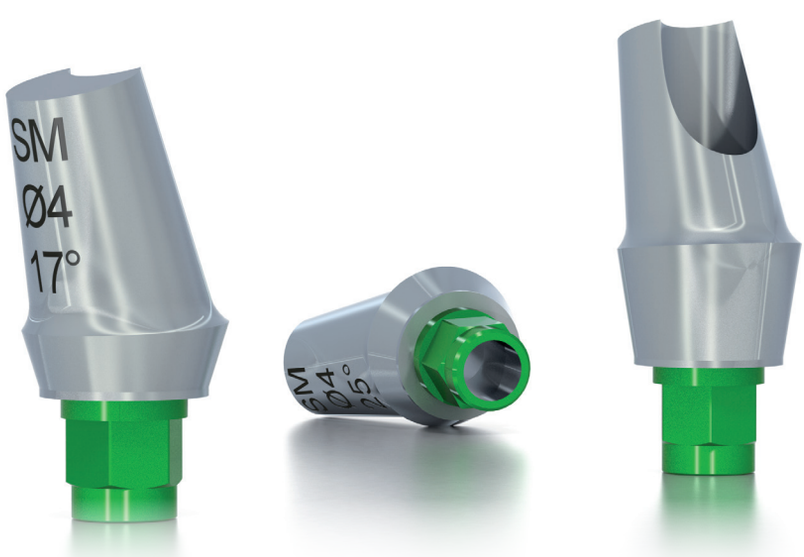
Suitable for cemented prostheses on individual implants or bridges. They are available in two different transmucosal heights (ht), to be chosen according to the restoration planned.

Restoration Range		Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
STRAIGHT ABUTMENTS	ht 1.5 hc 8	 0805190	 0805204	 0805214	 0805224	 0805234
	ht 3 hc 8	 0805191	 0805205	 0805215	 0805225	 0805235

17°- 25° ANGLED ABUTMENTS

Suitable for cemented prostheses on individual implants or bridges in case of disparallelism. They are available in two transmucosal heights (ht), to be chosen according to the restoration planned, in order to correct disparallelisms of up to 17° or 25°, respectively.

Restoration Range		Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
17° ANGLED ABUTMENTS	ht 1.5	 0805150	 0805100	 0805110	 0805120	 0805130
	ht 3	 0805151	 0805101	 0805111	 0805121	 0805131
25° ANGLED ABUTMENTS	ht 1.5	/	 0805102	 0805112	 0805122	 0805132
	ht 3	/	 0805103	 0805113	 0805123	 0805133



MILLING AND PREMILLED ABUTMENTS

MILLING ABUTMENTS

Designed to be worked to make customized prosthetic components. They are indicated to make abutments with a maximum angulation of 20°.

Do not use to make prosthetic components with angulation greater than 20°.

Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
MILLING ABUTMENTS	/	 0805250	 0805251	 0805252	 0805253

PREMILLED ABUTMENTS

Designed to be worked to make customized abutments, with CAD-CAM systems, using automatic milling machines. Premilled Abutments are made with Medentika® attachment. They are indicated to make abutment with maximum working height of 16 mm and with an angulation up to 17° and up to 25°, in the versions with Ø 11.5 mm and Ø 15.8 mm, respectively. Use only the dedicated Premilled Screwdriver to tighten and loose the intact abutment.

Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
PREMILLED ABUTMENTS Ø 11.5	 0805720	 0805721	 0805722	 0805723	 0805724
PREMILLED ABUTMENTS Ø 15.8	 0805725	 0805726	 0805727	 0805728	 0805729

CASTABLE ABUTMENTS AND CEMENTABLE CASTABLE ABUTMENTS

CASTABLE ABUTMENTS

Suitable for constructing cemented or screw-retained prostheses only in cases where preformed components cannot be used; they may be modified by the dental technician up to the limit indicated on the screw head. Do not tighten with the Torque Wrench but only manually with the Screwdriver. Available also in the non-engaging version. Do not use Castable Abutments in the non-engaging version to prosthesize individual implants.

CEMENTABLE CASTABLE ABUTMENTS

Suitable for cemented prostheses only in those cases where preformed components cannot be used.

Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
CASTABLE ABUTMENTS	 0805325	 0805320	 0805321	 0805322	 0805323
CASTABLE ABUTMENTS non-engaging	 0805330	 0805331	 0805332	 0805333	 0805334
CEMENTABLE CASTABLE ABUTMENTS	 0805355	 0805350	 0805351	 0805352	 0805353

ROD ABUTMENTS

ROD ABUTMENTS

Designed to be worked in the castable part to make overdenture bars.

Composed of a titanium base and a customisable coronal section (that can also be ordered as spare part). The bases have a cylindrical-shaped transmucosal section and they are available in two different transmucosal heights (ht). The bases feature an engaging system that connects with the implant and a sloping surface that supports the customised section.

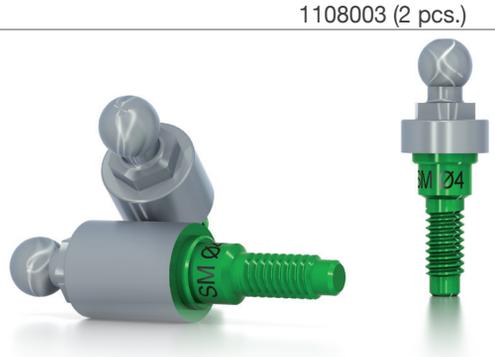
Do not use to make prostheses on individual implants.

Restoration Range		Ø 3.6	Ø 4	Ø 4.5	Ø 5
ROD ABUTMENTS	ht 1.5	 0805510	 0805512	 0805514	 0805516
	ht 3	 0805511	 0805513	 0805515	 0805517
CASTABLE SPARE PARTS		 0805295	 0805296	 0805297	 0805298

BALL ATTACHMENTS

Connected to the relative caps and containers, that are indicated in the table below, the ball attachments are suitable for holding overdenture removable prostheses resting on gums.
They are supplied housed on a peek support that can also be used as Impression Transfer and for placing and first screwing the Ball Attachment in the oral cavity.
The Ball Attachments Transfers allows you to obtain the registration of impressions by means of the unperforated impression tray. When the impression tray is removed from the oral cavity, the device is incorporated into the impression material. In case of little clinical space, the device can be cut to reduce its height. The device must not be cut below the second ring.
Available with a ball diameter of 2.5 mm and in three different transmucosal heights (ht). The metal containers for Caps and retentive Caps, the latter available in two different types and colours depending on the sealing degree, are to be incorporated in the full prosthesis.
Do not use to make prostheses on individual implants or bridges. Do not use in case of non-parallel implants.

Restoration Range		Ø 3.6	Ø 4	Ø 4.5	Ø 5
BALL ATTACHMENTS	ht 1.5	 0805403	 0805413	 0805423	 0805433
	ht 3	 0805404	 0805414	 0805424	 0805434
	ht 5	 0805405	 0805415	 0805425	 0805435
		Unique device			
BALL ATTACHMENT TRANSFER Ø 2.5		 0507046			
BALL ATTACHMENT ANALOGUE Ø 2.5		 0509053			
Accessories		**for ball attachment**			
CAPS		Pink (seal 800/950 g)  1108001 (6 pcs.)		White (seal 1200/1300 g)  1108009 (6 pcs.)	
METAL CONTAINER		 1108003 (2 pcs.)			



OT EQUATOR

FASTENING SYSTEM FOR OVERDENTURE

OT EQUATOR low-profile removable restoration attachments are available for the main platforms of the PRIME Range and they are amongst the smallest on the market; this system offers a number of options, allowing various overdenture solutions, depending on the space available. The caps come with 4 retention levels that vary according to their colour and they must always be used with the metal housings provided, in order to guarantee their duration over time and to facilitate replacement. The total vertical height (male + female and housing) is just 2.1 mm. The maximum width is Ø 4.4 mm.
The OT EQUATOR Driver for Torque Wrench must be used connected to the Digital Wrench for the first screwing of the EQUATOR attachment to the implant and it must be used connected to the Torque Wrench to tighten the EQUATOR attachment at 30 Ncm.

	PRIME TWINNER	PRIME TWINNER PRIME	TWINNER PRIME	TWINNER PRIME
	Ø 3.3 Ø 3.5	Ø 3.8 Ø 4 Ø 4.2	Ø 4.5 Ø 4.6	Ø 5 Ø 5.1
	RESTORATION RANGE Ø 3.3 ORANGE	RESTORATION RANGE Ø 3.6 FUCHSIA	RESTORATION RANGE Ø 4 GREEN	RESTORATION RANGE Ø 4.5 YELLOW
	EQUATOR Ø 3.3	EQUATOR Ø 3.6	EQUATOR Ø 4	EQUATOR Ø 4.5
h 1	1108033	1108039	1108045	1108051
h 2	1108034	1108040	1108046	1108052
h 3	1108035	1108041	1108047	1108053
h 4	1108036	1108042	1108048	1108054
h 5	1108037	1108043	1108049	1108055
h 6	1108038	1108044	1108050	1108056

CONTENT OF THE OT EQUATOR PACK

each of the EQUATOR item codes mentioned in the table above contains the following devices:

TITANIUM + TiN ATTACHMENT	STAINLESS STEEL CAP CONTAINER	PROTECTIVE DISK	CAPS KIT, VARIOUS TYPES (4 pcs.) (purple: strong, white: standard, pink: soft, yellow: extra soft))
			

Spare parts

CAPS	PURPLE STRONG retention 2.7 Kg  1108057 (4 pack)	WHITE STANDARD retention 1.8 Kg  1108058 (4 pack)	PINK SOFT retention 1.2 Kg  1108059 (4 pack)	YELLOW EXTRA SOFT retention 0.6 Kg  1108060 (4 pack)	BLACK only for LABORATORY USE  1108061 (4 pack)
CAP CONTAINERS	STAINLESS STEEL CAP CONTAINER  1108062 (2 pack)		TITANIUM CAP CONTAINER  1108064 (2 pack)		
SPARE PARTS KIT	STAINLESS STEEL CAP CONTAINER 	PROTECTIVE DISK 	BLACK CAP for laboratory use 	CAPS KIT, VARIOUS TYPES (4 pcs.) (purple: strong, white: standard, pink: soft, yellow: extra soft) 	
	1108063				

OT EQUATOR

Rods

THREADED OT EQUATOR KIT WITH BONDING SLEEVE

THREADED OT EQUATOR - 2 pcs. for titanium sleeve (1.6 mm thread)	THREADED SLEEVES - 2 pcs. (1.6 mm thread)	STAINLESS STEEL CAP CONTAINERS - 2 pcs.	STEEL SPACERS - 2 pcs. for threaded sleeve	CAPS KIT, VARIOUS TYPES - 8 pcs. (2 white: standard, 2 pink: soft, 2 yellow: extra-soft, 2 black: processing)
				
1108066				

THREADED OT EQUATOR

FOR CAD/CAM BAR (2 mm thread)	FOR TITANIUM SLEEVE (1.6 mm thread)
	
1108067	1108070

CASTABLE OT EQUATOR KIT

CASTABLE "SEMI-SPHERICAL" MALES 2 pcs.	STAINLESS STEEL CAP CONTAINERS 2 pcs.	CAPS KIT, VARIOUS TYPES - 4 pcs (2 white: standard, 2 pink: soft)
		
1108069		

OT EQUATOR SLEEVE

TITANIUM SLEEVE (1.6 mm thread)	SPACER FOR OT EQUATOR SLEEVE
	
1108071	1108072

THREADED COVER SCREW

1108073

PASSIVE BAR CONNECTION SYSTEM "ELASTIC SEEGER"

CASTABLE ABUTMENTS FOR SEEGER CONTAINERS 2 pcs.	RED PLASTIC SEEGER for laboratory use 3 pcs.	ELASTIC RETENTION SEEGER for prosthesis locking 3 pcs.	THREADED COVER SCREWS 2 pcs.
			
1108068			

SEEGER

RED (for laboratory use)	WHITE (for bar locking)
	
1108074 (6 pack)	1108075 (6 pack)

CASTABLE CYLINDERS FOR SEEGER

h. 2.5	h. 3.5
	
1108076 (6 pack)	1108077 (6 pack)

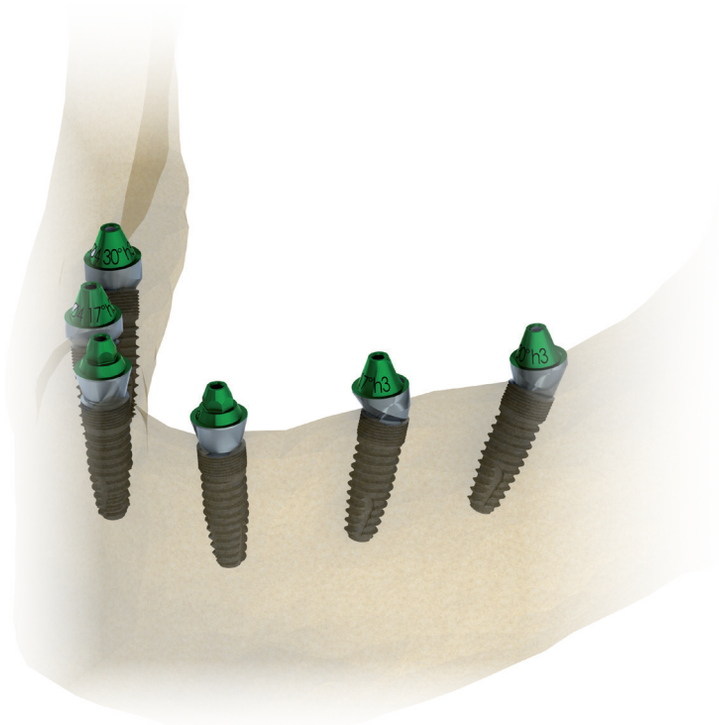
OT EQUATOR

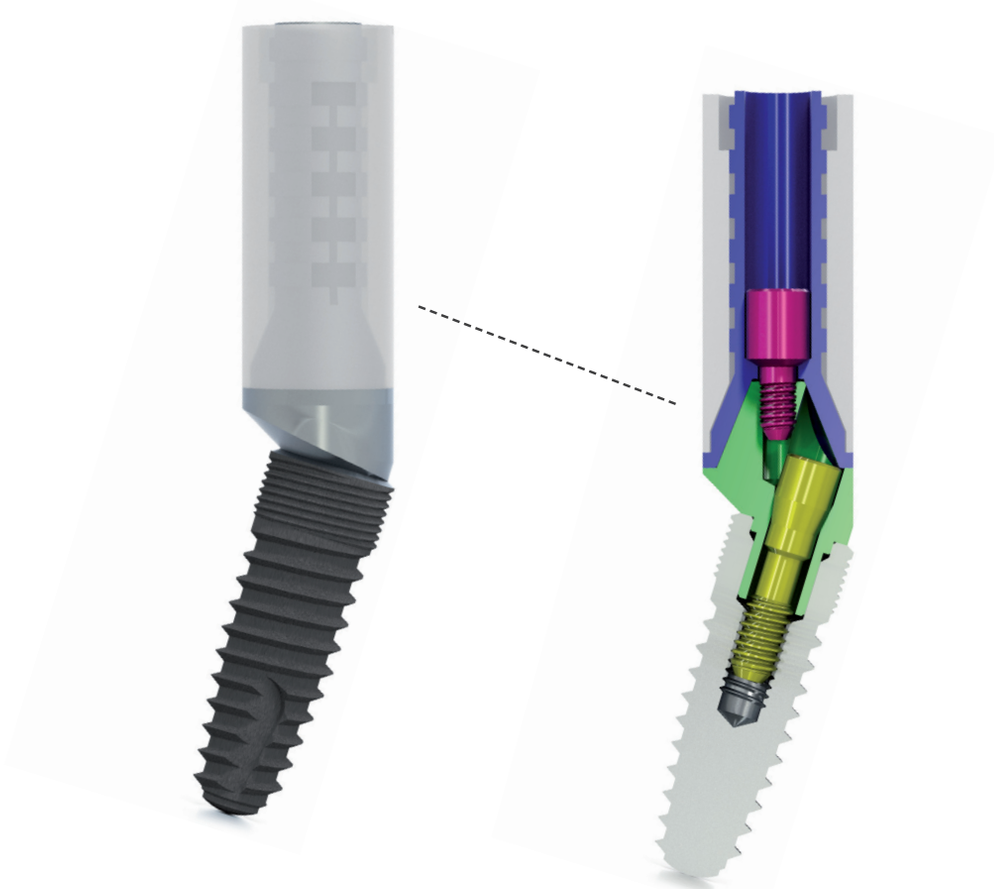
Accessories	
OT EQUATOR TRANSFER (for custom tray)	 1108078 (2 pack)
IMPLANT ANALOGUES FOR LABORATORY USE	 1108079 (2 pack)
TEAR-OFF IMPRESSION TRANSFER	 1108080 (2 pack)

Instruments	
OT EQUATOR DRIVER FOR TORQUE WRENCH	 1110000
WRENCH FOR PARALLELOMETER NORMO	 1108081
SQUARE WRENCH + HOLDER (for OT EQUATOR screwing) 1.25 mm square	 1108082
INTERCHANGEABLE HOLDER	 1108083
CONNECTOR FOR TORQUE CONTROLLER 1.25 mm square	 1108084
CAP INSERTION TOOL EQUATOR - NORMO - MICRO	 1108085
CURVED TOOL FOR SEEGER INSERTION (to use with universal handle)	 1108086
CAP EXTRACTOR	 1108087
BLUE UNIVERSAL HANDLE, TOOL HOLDER AND SEEGER INSERTION TOOL	 1108088

In the case of immediate loading of screw-retained prostheses used in multiple implants, restoration components are required to convert - simultaneously with insertion of the fixtures - the engagement of the implants and their disparallelism into a non-engaging transmucosal connection. These shall also result in a restoration parallelism between the abutments.

The **FAST restoration range**,described in the following pages, allows you to make this type of full prosthesis with any kind of surgical-prosthetic techniques, thanks to the components available with three different angulations and equipped with upper tapered connection.



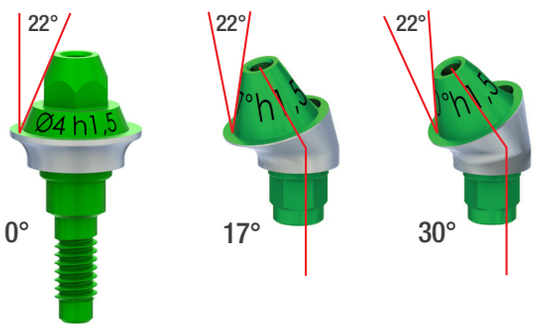


FAST RESTORATION RANGE

The FAST restoration range has been designed to simplify the construction of immediate loading full threaded prostheses, parallelizing implants with significant divergences (a usual condition in the distal region) in complex restoration projects, such as treatment of toothless patients. The immediate loading of full temporary prostheses brings significant benefits to patients in terms of extremely short realisation times and contained costs. Thanks to the FAST range, practitioners can plan to carry out both the insertion of the implants and the temporary restoration (until such time as the permanent restoration is ready) in "Day-Surgery".

Depending on the angle of the PRIME RANGE implants, different types of FAST restoration components are available to parallelise the implant insertion axis of the screwed overstructure.

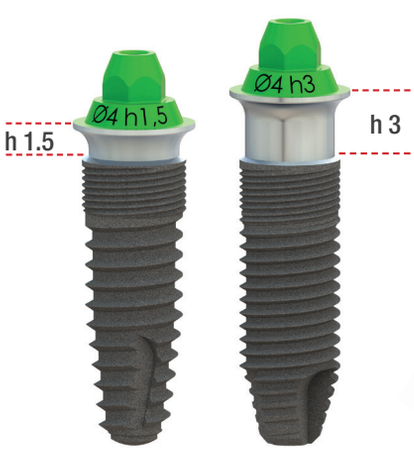
	FAST SLIM BASES		FAST BASES	
RESTORATION RANGE	RESTORATION RANGE Ø 3.6 FUCHSIA	RESTORATION RANGE Ø 4 GREEN	RESTORATION RANGE Ø 4.5 YELLOW	RESTORATION RANGE Ø 5 BLU
AVAILABLE BASES	0° - 17° - 30°	0° - 17° - 30°	0°	0°



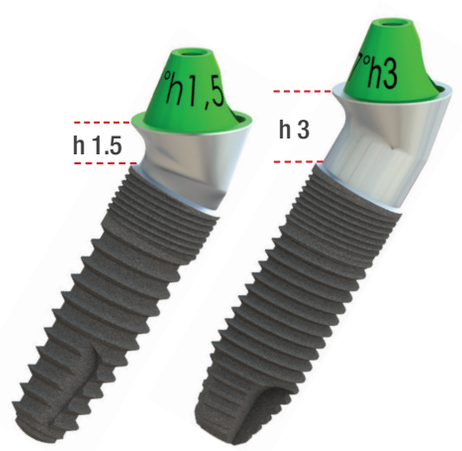
The tapered section of the FAST Bases allows the screw-retained prostheses to be connected in the case of disparallelisms of up to 22°. This feature, in combination with FAST 17° or 30° angled Bases allows prosthesization also of implants angled at 45° with respect to the implant axis.

Do not use the FAST Bases to make prostheses on individual implants or bridges.

Do not use the straight FAST Bases in the presence of disparallelism.



FAST SLIM 0° BASES



FAST SLIM 17° - 30° BASES

In implant-restoration treatments with Immediate Loading Threaded Implants, it is recommended to plan implants with a diameter suited to the size of the missing part, thus optimising the quality of the final result both in terms of aesthetics and biomechanics. The table below indicates the dental position where the PRIME RANGE implants perform best in Immediate Loading Threaded Implants. By “discretionary position” we mean a position selected by the practitioner only after careful evaluation of the implant size in relation to the prosthetic load.

IMPLANT SIZE INDICATIONS FOR IMMEDIATE LOADING THREADED IMPLANTS

colour code								
Ø Restoration range	Ø 3.6			Ø 4		Ø 4.5		Ø 5
Ø Implants	PRIME	TWINNER	PRIME	TWINNER	PRIME	TWINNER	PRIME	PRIME
	Ø 3.8	Ø 4	Ø 4.2	Ø 4.5	Ø 4.6	Ø 5	Ø 5.1	Ø 5.9
UPPER missing parts								
CENTRAL INCISORS	●	●		●		●		△
LATERAL INCISORS	●	●		●		△		■
CANINES	■	●		●		●		●
PREMOLARS	■	●		●		●		●
MOLARS	■	△		●		●		●
LOWER mssing parts								
CENTRAL INCISORS	●	●		●		●		■
LATERAL INCISORS	●	●		●		△		■
CANINES	■	●		●		●		●
PREMOLARS	■	●		●		●		●
MOLARS	■	△		●		●		●

● optimal position △ discretionary position ■ contraindicated position

SURGICAL ACCESSOIRES

FAST COUNTERSINK BUR

To be used connected to the Contra-angle, in combination with the dedicated Guide, once the implant has been inserted, to obtain the seat suitable for inserting the FAST angled bases in the cortical bone.

0803300

GUIDES FOR FAST COUNTERSINK BUR

To be used connected to the implant, that has been inserted in the site, for correct use of the FAST Countersink Bur, to protect the head of the implants during the bone crest grinding procedure. **For PRIME and TWINNER implants, do not use Guides for FAST Countersink Bur that are intended to be used for implants with TS connection only (code 2410300).**

0807302 Ø 3.6 (4 pcs.)

0807303 Ø 4 (4 pcs.)

CARRIER FOR FAST BASES

Instrument to place the 17°-30° FAST bases in the oral cavity, also useful for correcting orientation when connecting the Bases to the implants.

0810141

FAST HEALING CAP

A useful component to protect the FAST connection pending prosthesization of Immediate Loading Threaded Implants.

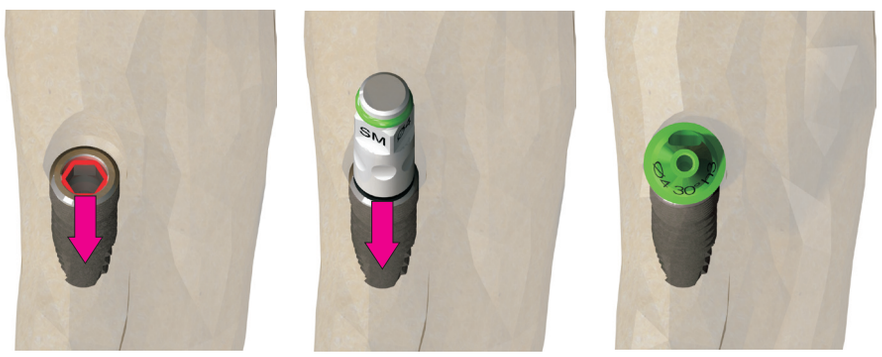
0806300

FAST CLINICAL PROCEDURES

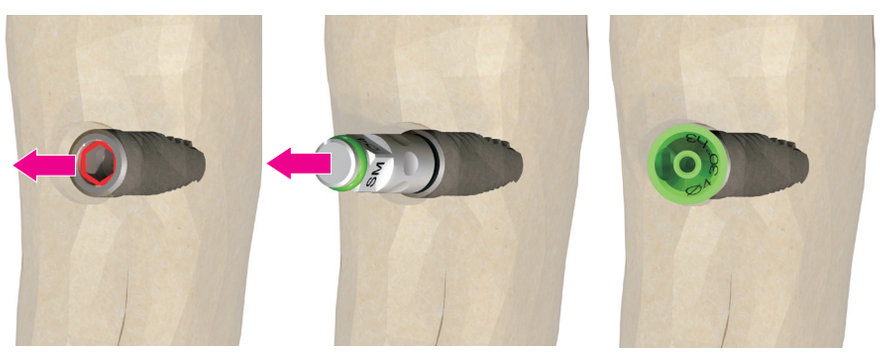
IMPLANTS POSITIONING

Total rehabilitation of toothless patients through an Immediate Loading Threaded Implant, with a removable screw-on prosthesis, is normally carried out on at least 6 fixtures with an implant insertion torque of not less than 35 Ncm. In these rehabilitation cases, it is advisable not to exceed an angulation of 45° for the implants placed in the distal regions.

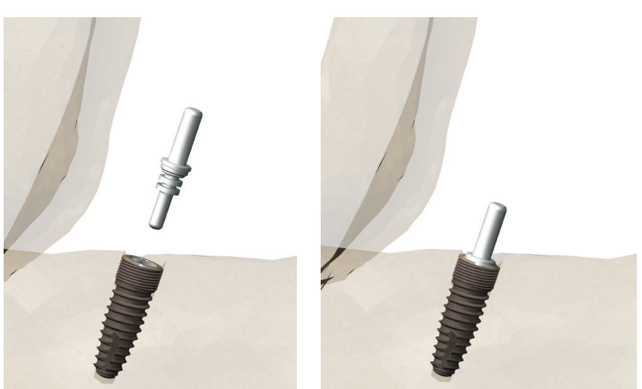
The Surgical Sequence for inserting the PRIME RANGE implants is described in detail in the dedicated section.



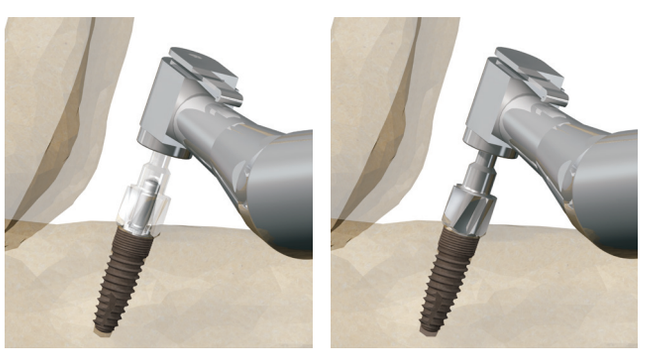
In the case of mesiodistal disparallelism (or vice versa), the implant shall be positioned leaving one side of the internal hex in mesial or distal direction - using the six oval indents on the Drivers corresponding to the six sides of the hex - to optimise recovery of the implant axis through the 17°/30° FAST Bases.



In the case of vestibular-lingual (or vice versa) disparallelism or vestibular-palatal (or vice versa) disparallelism, the implant shall be positioned leaving one side of the internal hex in vestibular or lingual-palatal direction - using the six oval indents on the Drivers corresponding to the six sides of the hex. Also in this case, this is done to optimise recovery of the implant axis through the 17°-30° FAST Bases.

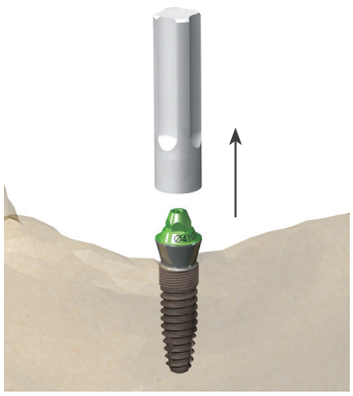


Before inserting the FAST 17°-30° angled Bases in the implants, use the FAST Countersink Bur over the head of the implants. To protect the implant head while passing with the Bur, use the Guide for FAST Countersink inserting it in the implant.



Pass the FAST Countersink Bur (do not exceed 800 RPM and a torque of 55 Ncm) -flushing with abundant sterile saline solution- over the implant head so as to countersink the bone crest creating the correct housing for the FAST Bases.

FAST 0° BASES



Use the Carrier provided in each pack to place the FAST 0° Base (straight single component usable in case of implants parallel to the implant axis) in the oral cavity and to do the first screwing into the implant.

Remove the Carrier by slightly levering upward.

Screw on the FAST 0° Base using the CH 2.6 Hex Wrench.

Finally tighten using the Torque Wrench adjusted to 30 Ncm on the wrench square.

FAST 17° - 30° BASES

To place the FAST 17° or 30° Base (angled component with Fastening Screw usable in case of implants not parallel to the implant axis) in the oral cavity, while outside of the mouth screw the titanium Carrier for FAST 17°/30° Bases onto the threaded head of the Base.

Insert the FAST 17° or 30° Base into the implant, parallelising the implant axis.

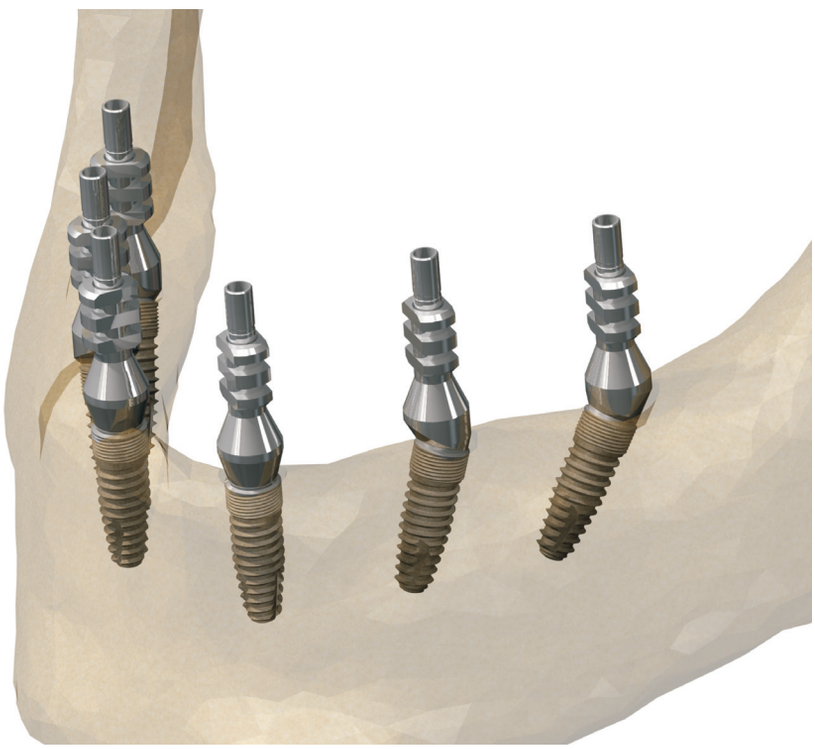
Manually screw in the Fastening Screw of the FAST 17° or 30° Base using the Screwdriver, or mechanically using the Contra-angle Screwdriver (max. 30 Ncm)

Unscrew the Carrier from the Base head and tighten definitively the device using the surgical/prosthetic torque wrench adjusted to 30 Ncm connected to the Hex Bit for Torque Wrench.

FAST CLINICAL PROCEDURES

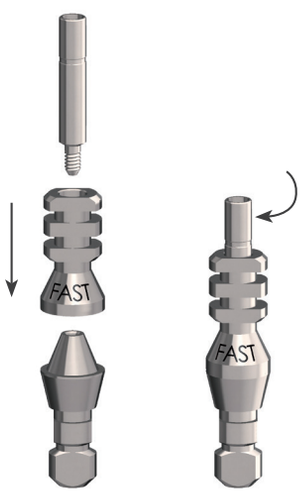
After inserting all the FAST Bases (straight and angled), it is advisable to take an intraoral X-ray to check that the implants and the FAST Bases are correctly coupled.

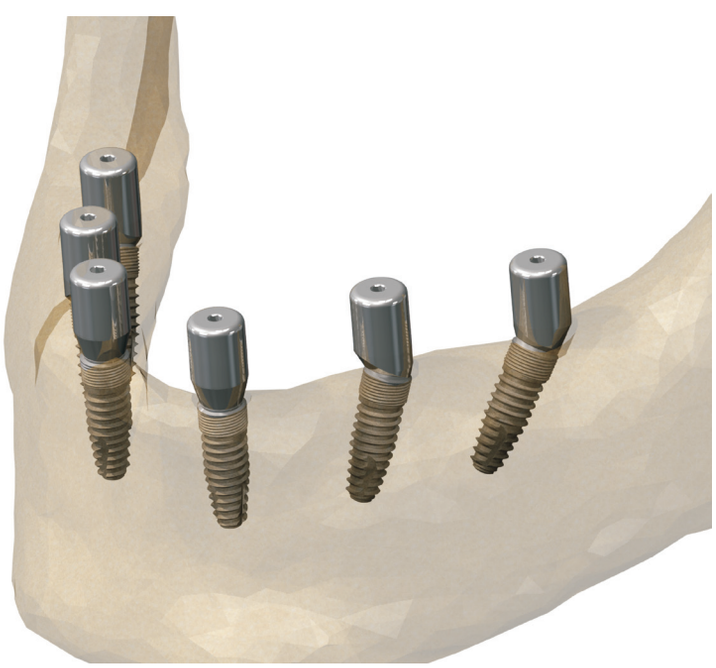
At this point, you can proceed with impression taking using the FAST Precision Impression Transfers or the FAST Scanmarkers for impressions with Digital Intraoral Scanmarkers.



Only screw manually the FAST Transfers or the FAST Scanmarkers onto the FAST Bases using the Screwdriver and take an impression using a custom perforated impression tray in case of FAST Transfer or using the Intraoral Digital Scanner in case of FAST Scanmarker.

The dental laboratory can reproduce the model using the FAST Analogues for analog impressions or the FAST Digital Analogues for digital impressions, that perfectly reproduce the tapered head of both straight and angled FAST Bases.



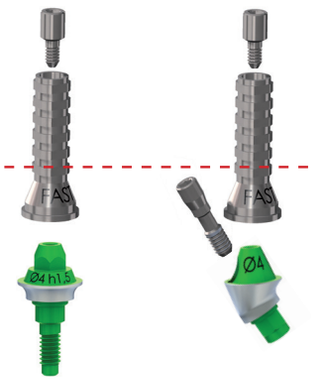


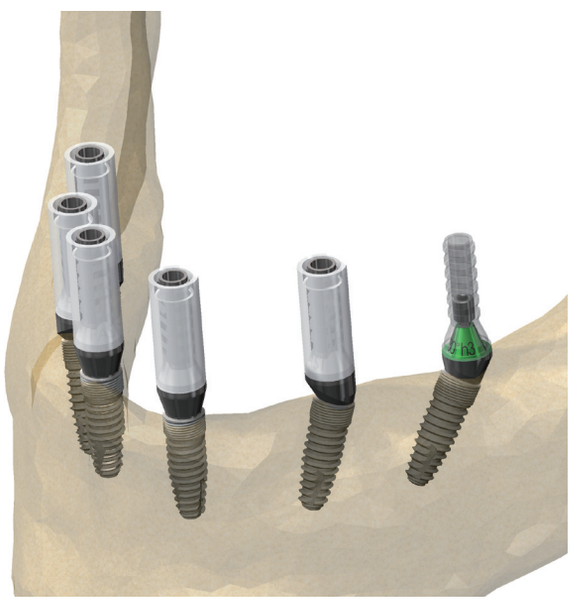
During the temporary laboratory phases, the FAST Healing Caps can be placed to consolidate the soft tissues.

After removing the Healing Caps from the FAST Bases, make sure that they are correctly and completely connected to the implants by tightening them to a torque of 30 Ncm using the Torque Wrench.

The temporary prosthesis can be constructed using the FAST Abutments. In case of a preventive construction of the prosthesis - opened in correspondence of the FAST Bases - the prosthesis may be directly attached to the FAST Abutments.

The FAST Abutments must not be cut below the first ring starting from the bottom. Tighten only with the surgical/prosthetic torque wrench (20 Ncm).



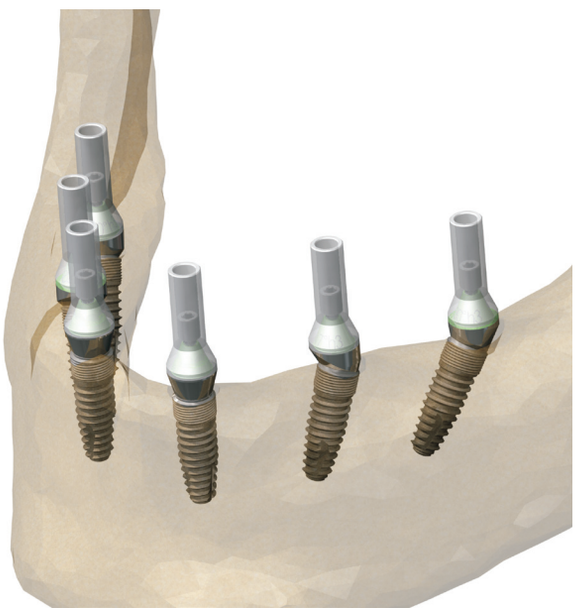


To construct the final prosthesis through passivation, use the Castable Sleeve connected to the FAST Abutment for the construction and gluing of the final device.

Do not exceed a torque of 20 Ncm to tighten the final prosthesis.

To construct the final prosthesis, use the FAST Castable Abutment connected to the FAST Bases, with which it is possible to create a stronger structure through fusion.

Do not exceed a torque of 20 Ncm to tighten the final prosthesis.



FAST RESTORATION RANGE

Restoration Range		Ø 3.6			Ø 4		
Angles		0°	17°	30°	0°	17°	30°
FAST BASES Ø 3.6 - Ø 4	ht 1.5	 0805960	 0805962	 0805964	 0805970	 0805972	 0805974
	ht 3	 0805961	 0805963	 0805965	 0805971	 0805973	 0805975

Restoration Range		Ø 4.5	Ø 5
Angles		0°	0°
FAST BASES Ø 4.5 - Ø 5	ht 1.5	 0805920	 0805940
	ht 3	 0805921	 0805941

All the 0° (straight) FAST Bases are provided already packaged with a peek carrier pre-assembled on the FAST Base, for the first placing into the oral cavity and for the first screwing onto the implant.

	Unique device
FAST ABUTMENT	 0805930
CASTABLE SLEEVE FOR FAST ABUTMENT	 0805932
FAST CASTABLE ABUTMENT	 0805931
FAST ANALOGUE	 0809200
FAST DIGITAL ANALOGUE	 0809405
FAST PRECISION IMPRESSION TRANSFER	 0807300
FAST SCANMARKER	 0807420

RESTORATION ACCESSORIES

SCREWDRIVERS

For screwing and unscrewing all Screw types. Available in three different lengths, they can be easily used also in the case of customised restoration components.

long 2410062 | medium 2410061 | short 2410060

CONTRA-ANGLE SCREWDRIVERS

To be used connected to the Contra-angle, to mechanically tighten and loosen the devices with a hexagonal recess, except for screws that are used on intact Premilled Abutments, without exceeding 30 Ncm.

Available in two different sizes.

For those prosthetic components that require it, subsequently perform final tightening manually with the hex bit for the torque wrench.

2410070 | long 2410072

SCREWDRIVER FOR PREMILLED

It is suitable for tightening and loosening intact and customized Premilled Abutments with maximum working height of 16 mm.

2410065

TORQUE WRENCH

With torque function to complete the final tightening of Fastening Screws and Restoration Screws. The device can be used either in ratchet mode or torque wrench mode. In torque wrench mode preset values are 20-30-45-60-70 Ncm. Cleaning, disassembly and assembly operations are described in the Instructions for Use.

0510120

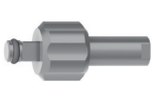
HEX BIT FOR TORQUE WRENCH

Connected to the Wrench, it is used for final tightening of Fastening Screws and Restoration Screws. Available in two different sizes.

long 0510076 | short 0510075

HEX WRENCH CH 2.6

Screwing instrument for FAST 0° Bases and Ball Attachments; it is equipped with a digital section for manual use (first screwing) and a connection square to use in combination with the Torque Wrench (final tightening).



0510019

FASTENING SCREWS

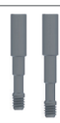
The Fastening Screws are provided in the packs of all the components with which they are used. They can also be purchased individually quoting the item codes detailed on the following page.

The Fastening Screws must be tightened to 30 Ncm, except for the FAST Abutments which must be tightened to 20 Ncm and for the ones which must be tightened manually.

The Fastening Screws for the following items must only be tightened manually with Screwdriver:

- Castable Abutments
- Rod Abutments
- Scanmarkers
- Transfers

FASTENING SCREWS

Components \ Restoration Range	Ø 3.3	Ø 3.6	Ø 4	Ø 4.5	Ø 5
STRAIGHT ABUTMENT ANGLED ABUTMENT CASTABLE ABUTMENT	 0810526	 0805001		 0805002	
MILLING ABUTMENT	/				
ROD ABUTMENT	/	 0805650 ht 1.5 0805651 ht 3		 0805652 ht 1.5 0805653 ht 3	
CONNECT BASES MULTI ABUTMENT PREMILLED ABUTMENT	 0805660	 0805661		 0805662	
LINK BASES				 0805663	
SCANMARKERS	 0807410	 0807411		 0807412	
SCANMARKERS FOR LINK BASES ht 1.5	 0807413	 0807415		 0807416	
SCANMARKER FOR LINK BASES ht 3	 0807414			 0807417	
PRECISION IMPRESSION TRANSFERS	 0807213	 0807210F	 0807210V	 0807211G	 0807211B
EASYCAP AND TEAR-OFF IMPRESSION TRANSFERS	 0807223	 0807220F	 0807220V	 0807221G	 0807221B
FAST 17° - 30° BASE	/	 0805906		/	/
FAST COMPONENTS: ABUTMENTS, CASTABLE ABUTMENTS, SCANMARKERS	/	 0805935			
FAST PRECISION IMPRESSION TRANSFER	/	 0807301			
DIGITAL ANALOGUE FAST DIGITAL ANALOGUE	 0809410				

PRIME IMPLANTS

TWINNER IMPLANTS

Prodent Italia

CL 008-4 ENG
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