Prodent Italia

PROWIDE

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 a reference guide to optimise the preparation of the implant site, the insertion of the **PROWIDE implants** and their subsequent prosthesization: it should therefore not be seen as an alternative to the dentist's training and professional experience.

The Clinical Protocol integrates but does not replace the Instructions for Use that are provided with each Prodent Italia device.

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 its 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:

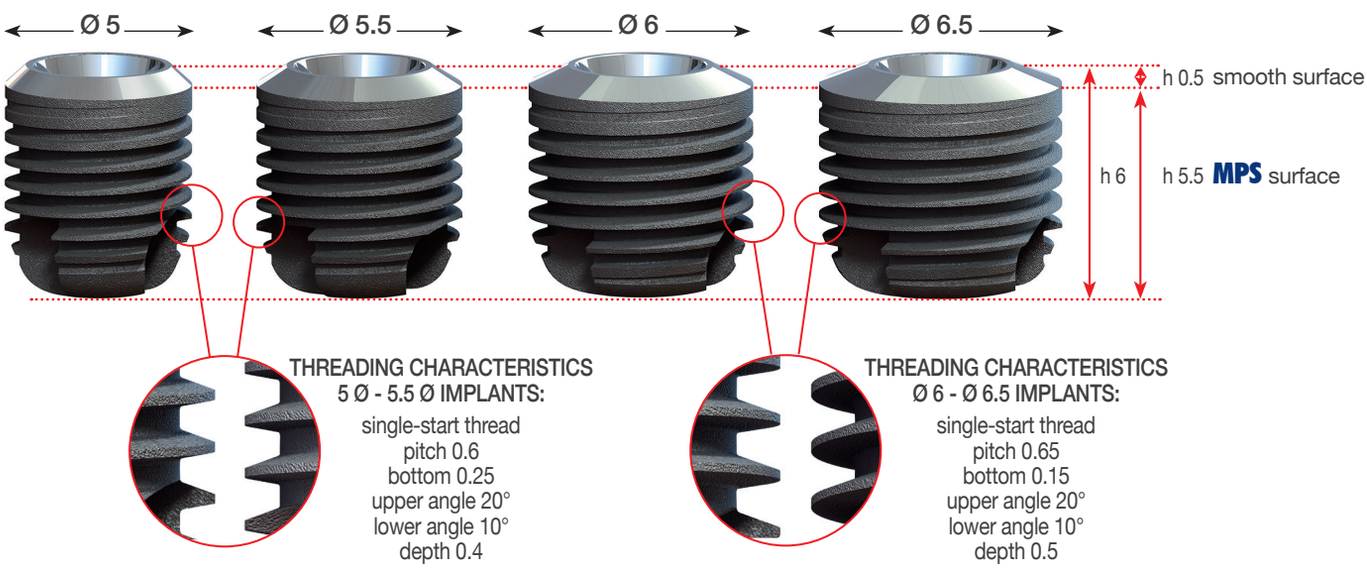
PRODENT ITALIA S.r.l. Via Pitagora, 9 - 20016 Pero (MI) - Italy
www.prodentitalia.eu

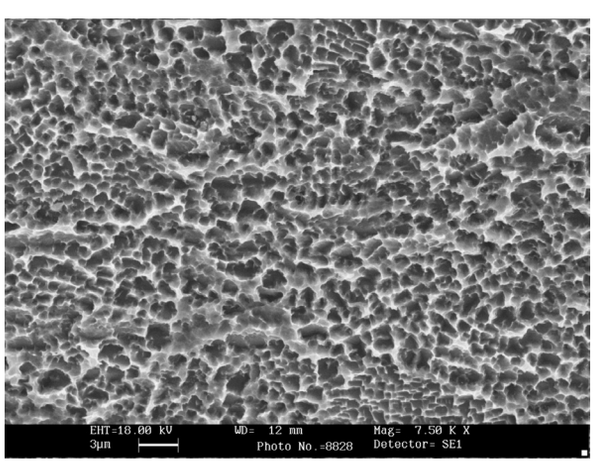
GENERAL CHARACTERISTICS

The PROWIDE implants allow the treatment of esthetic and functional rehabilitation cases to be implemented using fixed prostheses, in particular clinical conditions such as short vertical bone space, particularly in the posterior areas of the dental arches (molars and premolars), where the practitioner decides not to intervene with vertical bone regeneration techniques or maxillary sinus lift techniques. 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 partial or total fixed prostheses.

The four diameters available allow choosing the most suitable size based on the bone crest thickness and the different clinical cases.

The platform switching condition, available in all the PROWIDE implants, ensures that the gingival tissues and the crestal bone level are maintained: platform switching increases as the implant diameter increases. All the PROWIDE implants share one single restorative platform.





SEM 7.500x

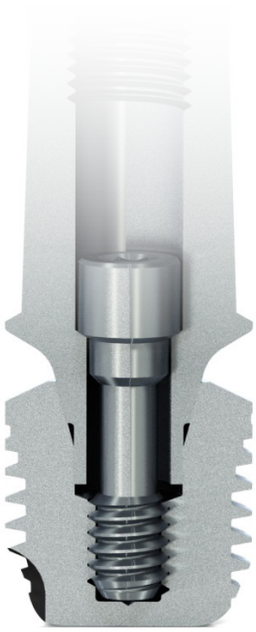
MPS Micro Profile Surface

(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



INTERNAL HEX CONOMETRIC CONNECTION

The PROWIDE implants are made of pure titanium and characterised by a precise conometric seal connection with engaging internal hex.

UNIQUE CONNECTION FOR 4 IMPLANT DIAMETERS

All the implant diameters available for the PROWIDE implants are made with the same one connection design, which significantly simplifies the restoration phase.

If used appropriately, the PROWIDE 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.

"Platform Switching"

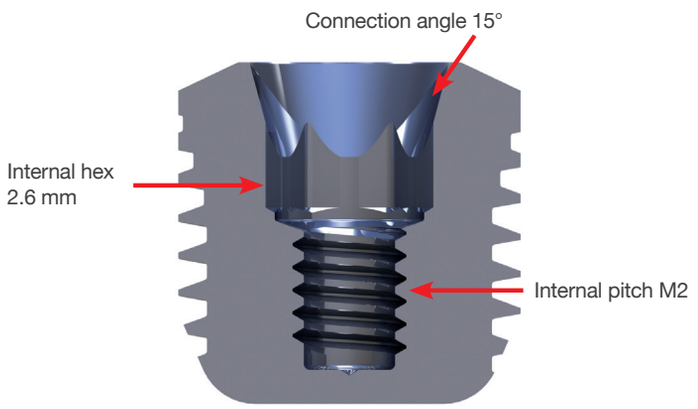
Matching the entire restoration range to the PROWIDE implants generates a platform switching condition that optimises the maintaining of the gingival tissues and reduces the bone resorption phenomena.

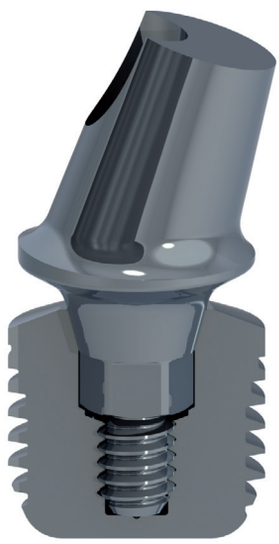
RESTORATION CONNECTION

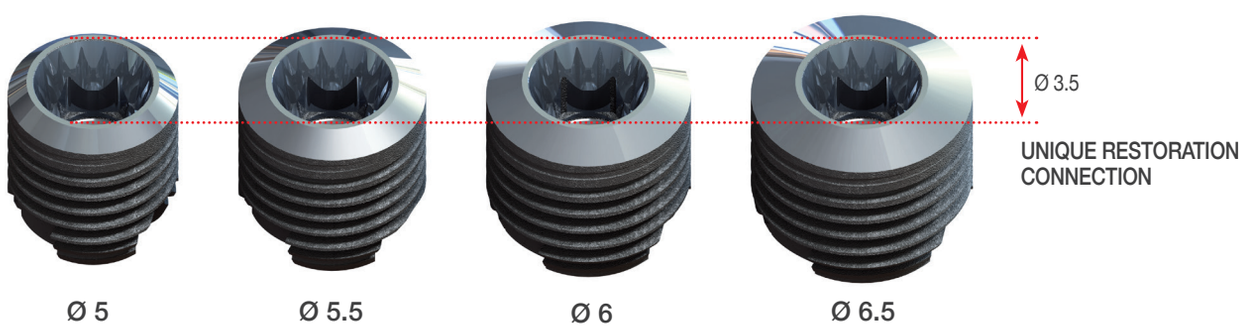
CONIK-FIT is the restoration connection for the PROWIDE implants characterised by an internal hex - that assures engagement of the superstructures - and a tapered section that provides perfect coupling and a bacterial seal between the implant and the restoration component. There is only one connection diameter of 3.5 mm for all the implant sizes.

The **CONIK-FIT** connection provides high stability, which results in efficient distribution of the masticatory stress naturally generated by the mesiodistal and vestibular-lingual movements of the prosthetic action.

The PROWIDE implants provide different restoration solutions: as well as the classic preformed components, other solutions are also possible, such as the Multi Abutments.



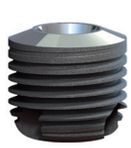




PROWIDE IMPLANTS RANGE

The **PROWIDE** implants are available in four diameters with a single height (h 6).
They are packaged with the Screw Cap.

UNIQUE
RESTORATION RANGE
Ø 3.5

		code
Ø 5		1001300
Ø 5.5		1001301
Ø 6		1001302
Ø 6.5		1001303

PACK

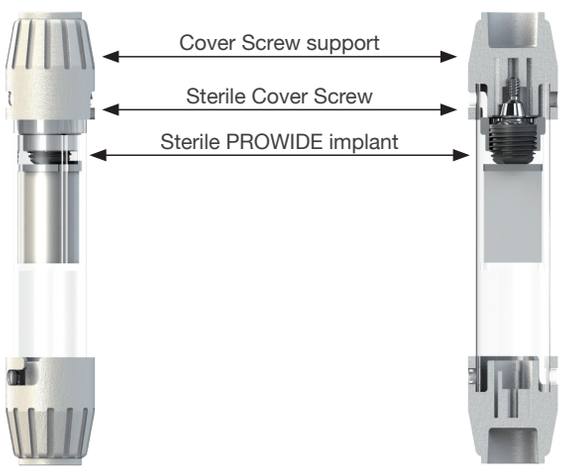
PACK AND STERILITY

Each implant is supplied in a sterile plastic ampoule, housed on a ring and resting on a disc, both in pure titanium. The cover screw is fitted into the cap which closes the implant housing. The ampoule is contained in a sealed plastic blister pack to maintain 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 insertion 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's identification details to be attached to the patient's clinical records.

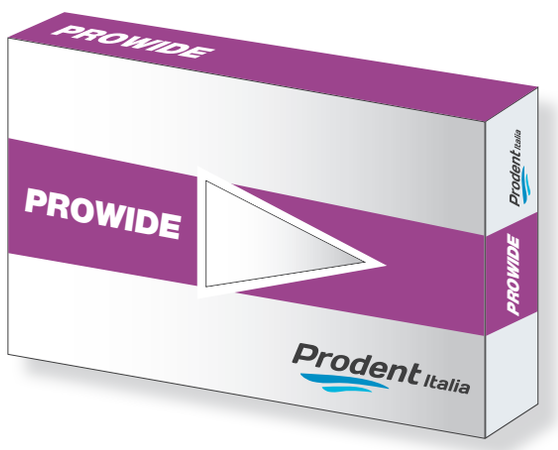
STORING AND HANDLING THE PACK

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.



Ampoule that contains the Implant



PROWIDE implants pack

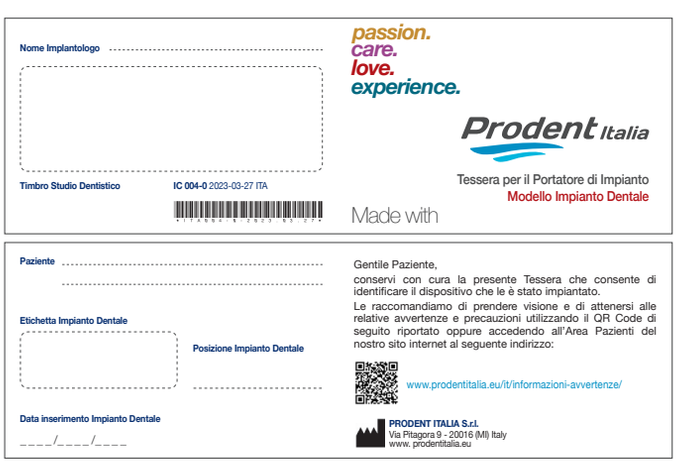
DOCUMENTATION AND IMPLANT IDENTIFICATION

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

The implant and the prosthetic components 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

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 esthetic and the biomechanical point of view.

The table below shows the dental positions where the **PROWIDE** implants – **contraindicated for single tooth prosthesis** – perform best in the upper and the lower jaw. By “discretionary position” we mean a position selected by the practitioner only after a careful evaluation of the implant size in relation to the prosthetic load.

	PROWIDE			
Ø Implants	Ø 5	Ø 5.5	Ø 6	Ø 6.5
missing parts				
CENTRAL INCISORS	■	■	■	■
LATERAL INCISORS	■	■	■	■
CANINES	■	■	■	■
PREMOLARS	●	●	△	△
MOLARS	●	●	●	●

● optimal position △ discretionary position ■ contraindicated position

SURGICAL TRAY

The PROWIDE 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 Tray is customised with colours and screen-printing that allow it 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 lines 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.

PROWIDE Surgical Tray
1010900

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

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 start tapping the surgical site or for manual implant insertion. When the implant is inserted, it can be used to remove Drivers.

0510064

CONTRA-ANGLE CONNECTION

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

0510062

SCREWDRIVERS

For tightening and unscrewing all Screws pertaining to all Prodent Italia restoration ranges. Available with three different lengths, they allow comfortable use, even with customised restorations.

long
2410062

medium
2410061

short
2410060

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 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 **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 this device.

The **Cylindrical Bone Drills** and the **Final Burs** must be used after the 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 Final 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 Cylindrical Bone Drills can also be used connected to the dedicated Drill Stops, that must be inserted from the cutting-edge side, up to the stop and complete coverage of the O-ring placed on the bur.

The **Drill Stops** can be connected to the Prowide Pilot Bur and to the Cylindrical Bone Drills. 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 sole purpose of the colouring of the o-ring on the burs and drill stops is to guarantee a correct coupling between these devices.

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

BURS AND DRILL STOPS

Ø 2
CORTICOTOMY

1003001

Ø 2.2
PROWIDE PILOT

1003000

Ø 2.2
DRILL STOP PROWIDE PILOT

1010200

direction of
Drill Stop insertion on
the Bur

CYLINDRICAL BONE DRILLS

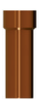
Ø 3
0803210

Ø 3.4
0803211

Ø 3.9
0803212

Ø 4.4
0803213

DRILLS STOPS FOR CYLINDRICAL BONE DRILLS



1010201

1010202

1010203

1010204

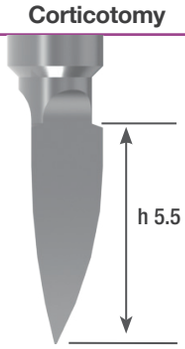
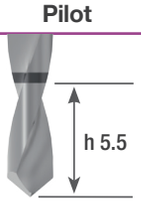
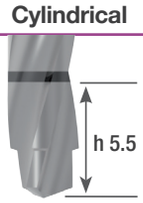
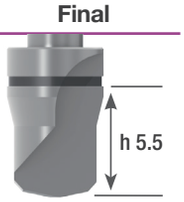
PROWIDE FINAL BURS

Ø 5
1003100

Ø 5.5
1003101

Ø 6
1003102

Ø 6.5
1003103

	Corticotomy	Pilot	Cylindrical	Final
BUR DEPTH MARKER READING				

The height of the dedicated PROWIDE marker is 0.5, to avoid inserting the implant under the crest, deepen the hole so that the marking is fully visible.

INDICATORS AND SCREW TAPS

DEPTH GAUGE/GUIDE PIN

To be used after the 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.

NECK DIAMETER INDICATORS

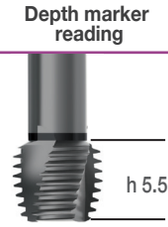
After using the Pilot Bur, the Neck Diameter Indicators allow you to assess the neck diameter of the implant to be inserted.

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.

	Ø 2.2
DEPHT GAUGE/GUIDE PIN	 1010000

	Ø 5	Ø 5.5	Ø 6	Ø 6.5
NECK DIAMETER INDICATORS	 1010153	 1010154	 1010155	 1010156

	Ø 5	Ø 5.5	Ø 6	Ø 6.5	Depth marker reading
SCREW TAPS	 1004100	 1004101	 1004102	 1004103	 h 5.5

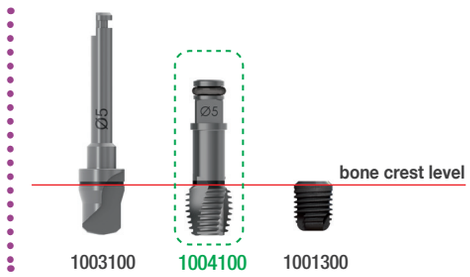
SEQUENCE BASED ON IMPLANT DIAMETER AND HEIGHT

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

INITIAL SEQUENCE COMMON TO ALL PROWIDE IMPLANTS

FINAL SEQUENCE BASED ON THE IMPLANT DIAMETER

Ø 5



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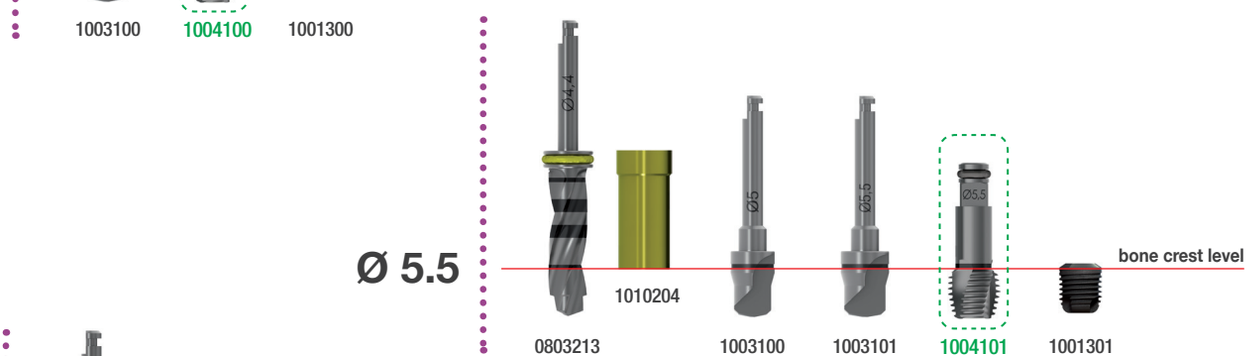
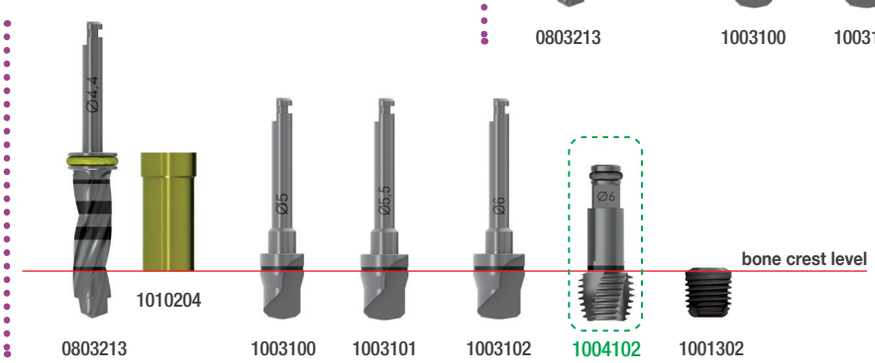
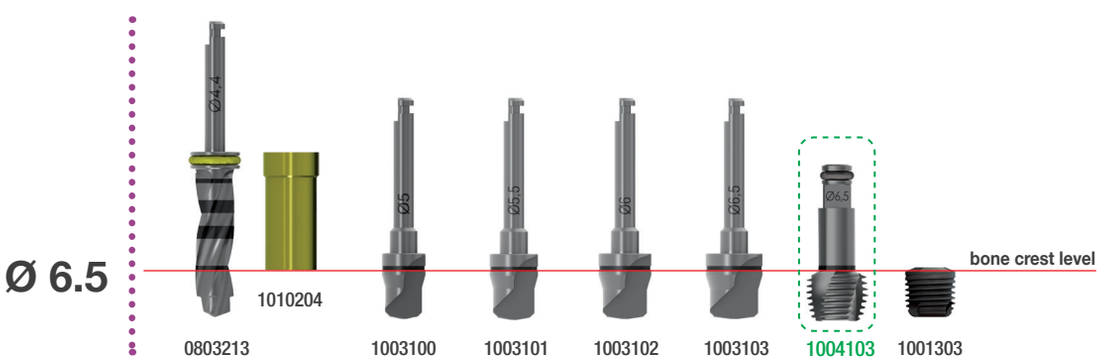


Ø 6



Ø 6.5



DRIVERS

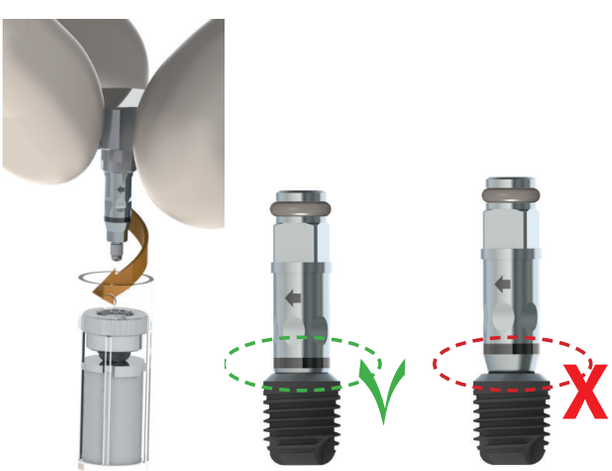
MANUAL DRIVER

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 DRIVER

Connected to the Contra-angle, it allows the implants to be taken from the ampoule and to be placed 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.

	Manual driver	Contra-angle driver
DRIVERS	 1010161	 1010171



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.

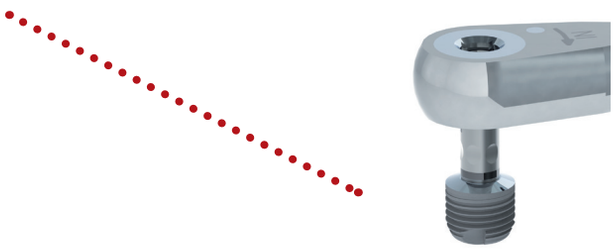
If the implant is prosthesized with an Angled Abutment, during the insertion of the implant it is important to match one of the Driver's indents with the implant axis, so that once inserted, the Angled Abutment has an optimal angle.

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.

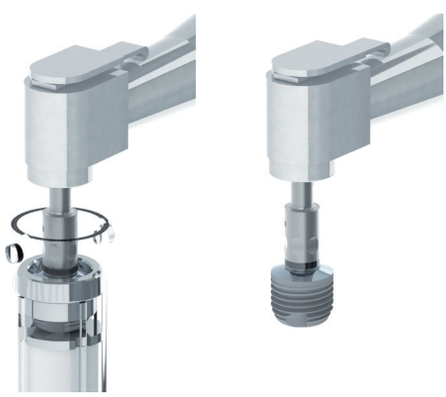
MANUAL INSERTION

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.

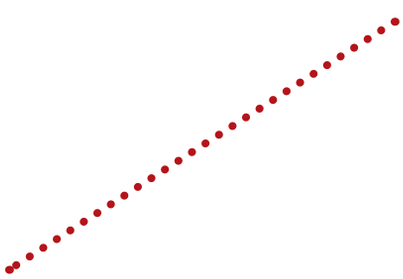


Insertion of the implant completed with the Torque Wrench and the Manual Driver.
It is recommended **not to exceed a Torque of 60 Ncm.**

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 condition the soft tissues healing until the subsequent assembly of the final prosthetic handwork.

The Healing Screws have a tapered transmucosal section that allows you to perfectly condition the soft tissues with various horizontal and vertical emergence profiles. Depending on the planned prosthetic restoration, you can choose between two different diameters, each with three possible transmucosal heights.

The marking on the screw head allows the devices to be identified by means of the five numerical codes, which, as shown in the image, indicate: the last three digits of the item code, the transmucosal height (ht), and the emergence diameter (Ø).

Emergence diameter		Ø 6	Ø 7
TAPERED HEALING SCREWS	ht 2	 1006110	 1006120
	ht 4	 1006111	 1006121
	ht 6	 1006112	 1006122

Based on the planned prosthetic restoration, if devices are available in different diameters (Healing Screws, Transfers, Straight and 17° Abutments), it is recommended to sequentially use devices with the same preselected emergence diameter (Ø 6 or Ø 7).

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.
Impressions can be taken using two different methods - the precision technique and the tear-off technique - allowing the practitioner to choose the best solution in relation to the planned prosthetic restoration. The components, that are available in only one variant, are not marked.

PRECISION IMPRESSION TRANSFERS

Designed for use connected to implants with their Screws, they are indicated for precision impression-taking by means of a custom perforated impression tray, even in the case of implants with non-parallel axes.

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 of less than 8°. When connected to Easycap, they are suitable for taking dental impressions with a high level of precision. When 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.

IMPLANT ANALOGUE

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

DIGITAL ANALOGUE

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

SCANMARKER

Designed for use connected to implants with its Screws, it is indicated for recording intraoral dental scanners, using intraoral scanner. It will allow you to acquire the position of the implant connection. It is 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.

Emergence diameter	Ø 6	Ø 7
PRECISION IMPRESSION TRANSFERS	 1007110	 1007111
EASYCAP AND TEAR-OFF IMPRESSION TRANSFERS	 1007210	 1007211
EASYCAP	 0807000	
IMPLANT ANALOGUE	 1009101	
DIGITAL ANALOGUE	 1009400	
SCANMARKER	 1007400	

RESTORATION COMPONENTS

The PROWIDE implants provide different restoration solutions: as well as the classic preformed components, other solutions are also possible, such as the Multi Abutments. None of the components are marked as they are all single-use: correct identification is ensured by the indications on their labels.

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 ABUTMENT CASTABLE SLEEVE

It is 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.

MULTI ABUTMENT engaging version	 1005310
MULTI ABUTMENT non-engaging version	 1005311
MULTI ABUTMENT CASTABLE SLEEVE	 1005312

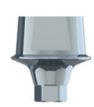
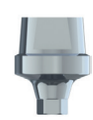
RESTORATION COMPONENTS

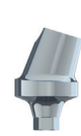
STRAIGHT ABUTMENTS

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

17° ANGLED ABUTMENTS

Indicated for cemented restorations on individual implants or bridges in case of disparallelism. They are available in two different prosthetic diameters, to be chosen according to the restoration planned, with two different transmucosal heights (ht) and only one angle option, suitable to correct disparallelisms up to 17°.

Emergence diameter		Ø 6		Ø 7	
		ht 1.5	ht 3	ht 1.5	ht 3
STRAIGHT ABUTMENTS	hc 3	 1005210	 1005212	 1005220	 1005222
	hc 8	 1005211	 1005213	 1005221	 1005223

Emergence diameter		Ø 6		Ø 7	
		ht 1.5	ht 3	ht 1.5	ht 3
17° ANGLED ABUTMENTS	hc 6	 1005110	 1005111	 1005120	 1005121

MILLING ABUTEMENT

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

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

MILLING ABUTMENT	 1005710

PREMILLED ABUTMENT

Designed to be worked to make customized abutments, with CAD-CAM systems, using automatic milling machines. Premilled Abutment is made with Medentika® attachment. It is indicated to make abutments with maximum working height of 16 mm, an angulation up to 17° and a cylindrical section of 11.5 mm. Use only the dedicated Premilled Screwdriver to tighten and loosen the intact abutment.

PREMILLED ABUTMENT Ø 11.5	 1005721

CASTABLE ABUTMENTS

Suitable for constructing cemented or screw-retained prostheses only in those 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 ABUTMENT

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

CASTABLE ABUTMENTS engaging version	 1005321
CASTABLE ABUTMENTS non-engaging version	 1005322
CEMENTABLE CASTABLE ABUTMENT	 1005351

RESTORATION ACCESSORIES

SCREWDRIVERS

For tightening and unscrewing all Screws pertaining to all Prodent Italia restoration ranges. Available in three different lengths, they are also suitable for use 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 all Screws of intact and customized Premilled Abutments with maximum 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.

short 0510075

long 0510076

MATERIALS

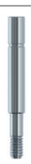
- **Grade 5 titanium**: Drill Stops, Indicators, Direction Guide (marked sheet in grade 2 Titanium), Healing Screws, metal Prosthetic Components, metal devices for Impression Taking, Fastening Screws
- **Surgical stainless steel**: Surgical Accessories, Burs, Screw Taps, Drivers, Restoration Accessories
- **Peek**: non-titanium part of Scanmarkers
- **Polycarbonate**: all castable parts of Prosthetic Components
- **Polyphenylsulphone**: Easycap

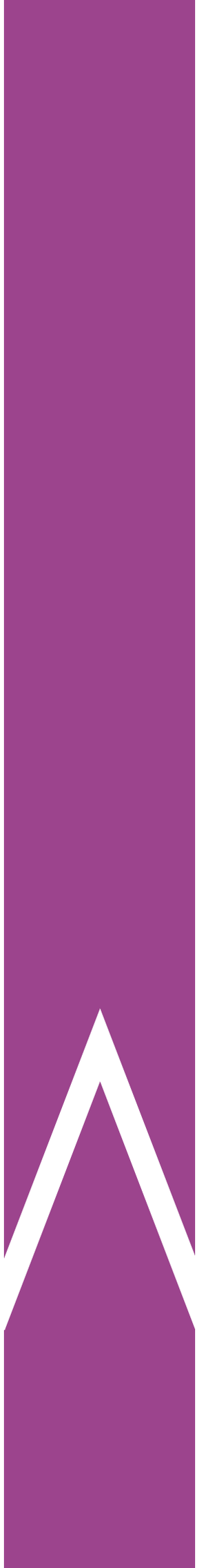
FASTENING SCREWS

All 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 below.

The Fastening Screws must be tightened with the Torque Wrench to 30 Ncm, except for the ones which must be tightened manually.

The Fastening Screws for the following items must only be tightened manually with Screwdriver:
- Castable Abutments
- Transfers
- Scanmarker.

Components	Fastening screws
PRECISION IMPRESSION TRANSFER	 0807211
EASYCAP AND TEAR-OFF IMPRESSION TRANSFER	 0807221
ALL THE RESTORATION COMPONENTS except screwless components (Cementable Castable and Multi Abutment Castable Sleeve)	 1005001
SCANMARKER	 0807412
DIGITAL ANALOGUE	 0809410



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