INTERNAL CONNECTION

PIESSE LINE

CATALOGUE 2023

implant
DENTAL SYSTEM


OXY
implant

OXY IMPLANT
DESIGN & PRODUCTION

OXY Implant is a dental implant system totally designed, developed and manufactured in Italy.
The specific company know-how, acquired during thirty years completely spent in researches for dental implantology innovative solutions, allows to keep the **OXY Implant** line devices constantly at the quality level required by the most advanced scientific literature. All this offers the Surgeon a variety of choices that allow to easily deal with even the most complicated clinical situations.
The pursuit of the highest quality, obtained through the careful selection of suppliers and raw materials, the collaboration with research centres and the constant dialogue with the best Italian and foreign Implantologists, results in the great long-term reliability of the **OXY Implant Dental System** with the advantage of the Doctors and Patients ease.
All the implants of the **OXY Implant** line are made of Titanium Grade 4 of European origin, with characteristics of high mechanical resistance resulting from a special cold wire-drawing process.
The prosthetic components are made of Titanium Grade 5 and the surgical instruments of a special stainless steel. The machines used to produce **Oxy Implant** devices are equipped with the best numerical control technology, which allows working with tolerances of a few microns, thus ensuring the excellent overall quality of the implant-abutment system.

The production, testing and packaging phases of all the **OXY Implant** line devices are developed entirely in the company, with the consequent possibility of a direct and constant control of the whole process by a highly skilled Team of Technicians.

The primary packaging of the implants is performed in a cleanroom to avoid any contamination, in compliance with the most stringent sectoral norms.

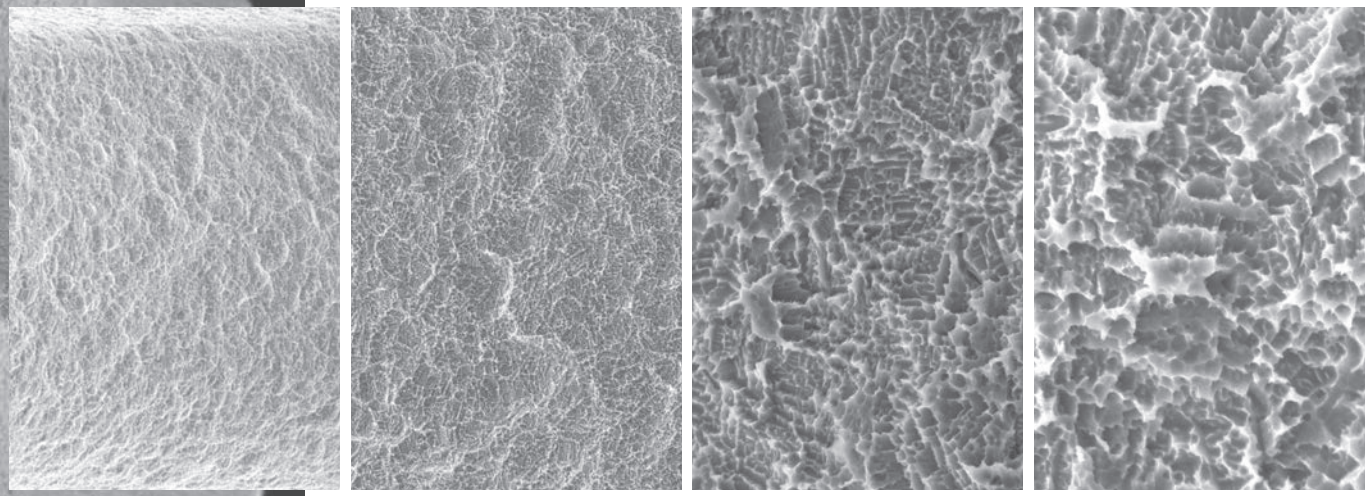
The renovated head office allows to welcome in an appropriate and modern way all the Customers who wish to observe how the process of realisation of implants, prosthetic components and surgical instruments develops. A large training room allows to organise for Dentists and Dental Technicians many training and refresher events which also represent a useful moment of dialogue between Manufacturer and Users. Their suggestions, derived from daily practice, allow indeed to continuously improve and innovate the **OXY Implant** system.

Oxy Implant's medical devices comply with the European Regulation MDR 2017/745.
The manufacturer Biomec S.r.l. has been equipped with a quality system ISO 9001 and ISO 13485 since 1998.

SURFACE **TREATMENT**

ADVANCED MICRO SURFACE

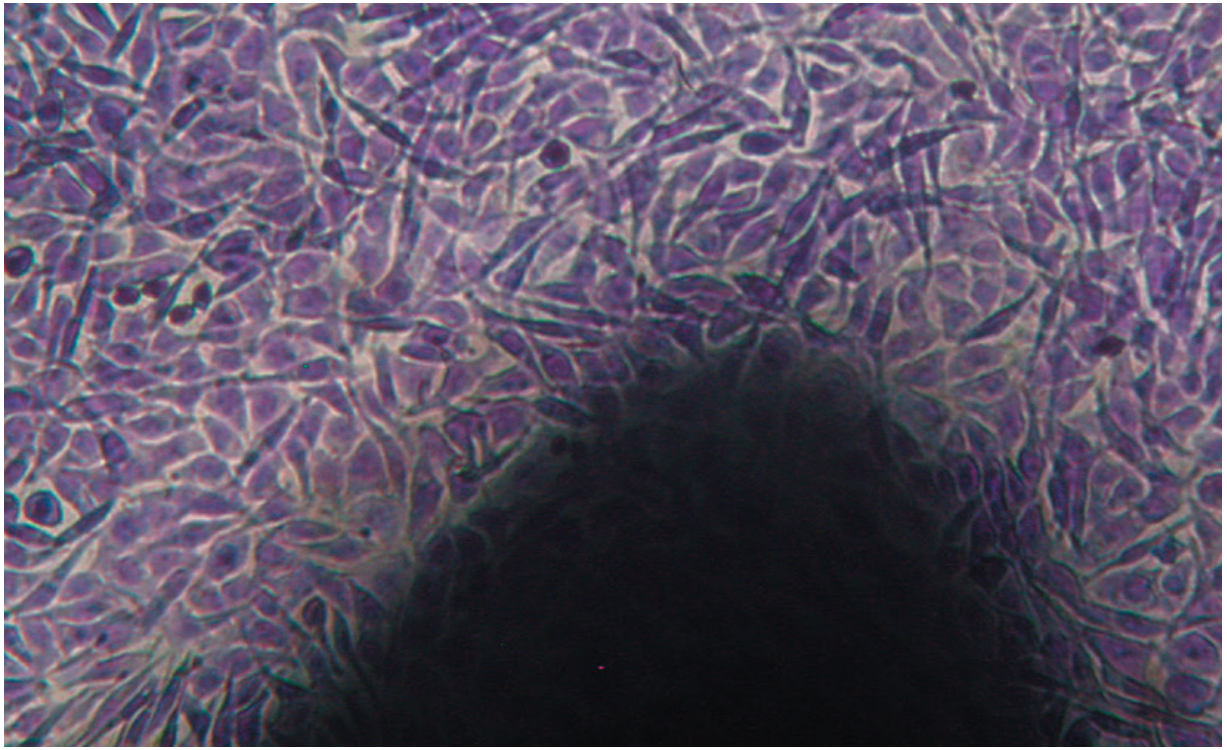
AMS (Advanced Micro Surface) is the surface selected for the entire range of implants by **OXY Implant**. This surface goes far beyond the results of earlier machined surfaces or surfaces treated with acid and chemical passivation. The **AMS** treatment was developed to accelerate the biological response of cell adhesion, thus enhancing the osseointegration process and the final clinical outcome. **AMS** is obtained with processes of chemical etching, decontamination and a cold Argon plasma treatment. Together they create a new surface with a high degree of cleanliness characterised by a homogeneous micro-porosity of the order of a few microns, smaller than the cell size, so as to considerably increase the adhesion of the osteoblastic cells and to favour the process of osteogenesis. All these factors are decisive in achieving the best bone-to-implant anchorage and a higher torque required for implant removal. The surface treatment of endosseous components is carried out by a specialised and certified company.



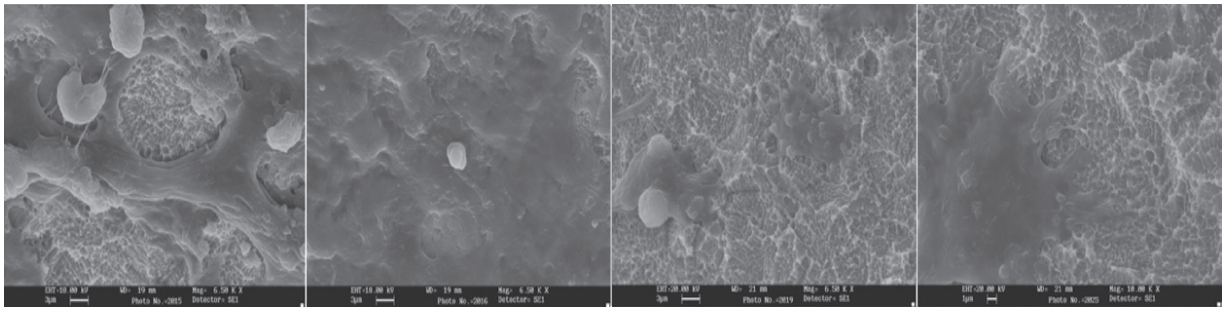
The 5000 X and 7500 X images show in detail the roughness obtained by means of the treatment: the interpeak distance is just a few microns, certainly smaller than the cell size, and accords with recent data about the effects of roughness size on the differentiation and behaviour of osteoblastic cells.

The cleanliness of the screw surface has been confirmed by an XPS analysis on the surface chemical composition. The analysed depth is about 5nm and provides a direct indication of the chemical composition of the material layers directly in contact with the bone.

According to the literature, the maximum concentration of Ti observable by means of XPS on the implant surface after treatment is 14-19%. A percentage of Titanium higher than 10% can be considered satisfactory. The detected amount of Titanium on **OXY** implants is 18%, a value close to the maximum obtainable percentage.



Citotoxicity tests have been carried out in order to confirm the absence of toxicity induced by the processed screws. The possible presence of dead cells, multinucleated giant cells and general abnormalities in cell morphology was evaluated by comparing the data obtained at the cell layer in contact with the negative control (gold cylinder the same size as the implants) and with the positive control (gutta-percha cylinder).
After being observed under a microscope, the cells were fixed with fixative solution, coloured and photographed. The image relates to the results of tests carried out on experimental samples of the **OXY Implant** line.
All the observations reveal a situation in line with that of the negative control, that is they confirm the absence of toxic effects.



The surface treatment of the **OXY** implants guarantees:
- osteoblast adhesion to the implant surface
- no adverse effect on osteoblast adhesion and growth nor on the surface colonisation.

In conclusion:
- **the surface treatment process implemented causes a morphological alteration of the processed screws**
- **the roughness obtained conforms to what is deemed appropriate to enhance the healing process of bone and osseointegration, at the current state of knowledge**
- **the implemented process and the following decontamination step allows the complete removal of residues arising from processing and the production of surfaces free of contaminants and foreign deposits**
- **implants processed with this treatment do not show cytotoxicity effects**
- **validated and checked periodically, 100% visual inspection and electron microscope analysis on some samples of each treatment batch.**

PACKAGE

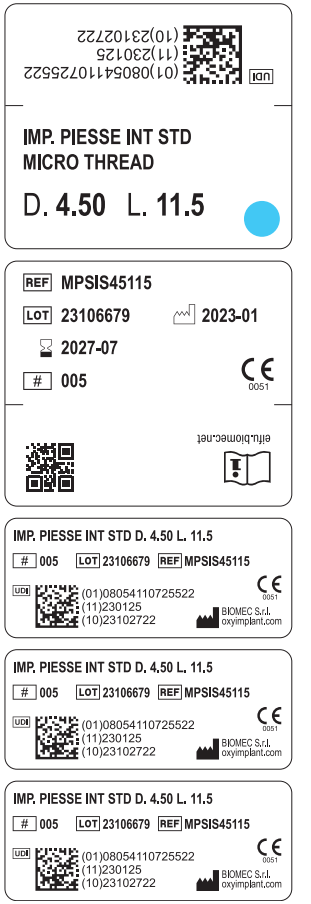
The implants outer package of **OXY Implant** dental system is made of cardboard and has a convenient tear-off opening system.
The packaging graphics show the indications regarding the connection type of the implant.

The external labels present the color coding and all the specific data of the implant: description, code, model number, production batch and date, expiry date, manufacturer, UDI code, CE mark, link to view the online instructions for use.

Inside the package there is the sterile tube containing the implant and the cover screw. Next to the sterile tube there are 3 stickers indicating all the specific data of the implant, which should be applied respectively on the medical record, on the patient's implant card and on any additional documentation.
An additional label is placed on the sterile tube to assure to have the main implant information available at each stage.

The prosthetic components and the surgical instruments are packaged in heat-sealed polyethylene bags, with an adhesive label showing all the data of the device: description, reference and batch numbers, color coding, manufacturer, UDI code, CE mark, link to view the online instructions for use and other specific standard symbols for each item.

The prosthetic components and surgical instruments are supplied NON-STERILE and must be sterilized before use.



OXY CLAMP **PACKAGE SYSTEM**

All the implants made by **OXY Implant** are contained in a plastic material tube sealed with a screw cap with safety ring, tested to guarantee a 5-year sterility.
The sterilisation is performed with BETA rays irradiation validated process, guaranteed and subjected to periodic controls.

MOUNT FREE - OXY CLAMP SYSTEM:

- implant and cover screw are placed in a plastic support with a titanium core
- it allows to see implant and cover screw before opening the sterile tube and prevents implant movements for an easier extraction

Implant extraction in 5 simple steps:

1. unscrew the cap of the tube
2. extract the OXY Clamp
3. pull out the cover screw support from the OXY Clamp
4. connect the implant to the inserter
5. press the bottom part of the OXY Clamp to release the implant

PIESSE LINE GENERAL FEATURES

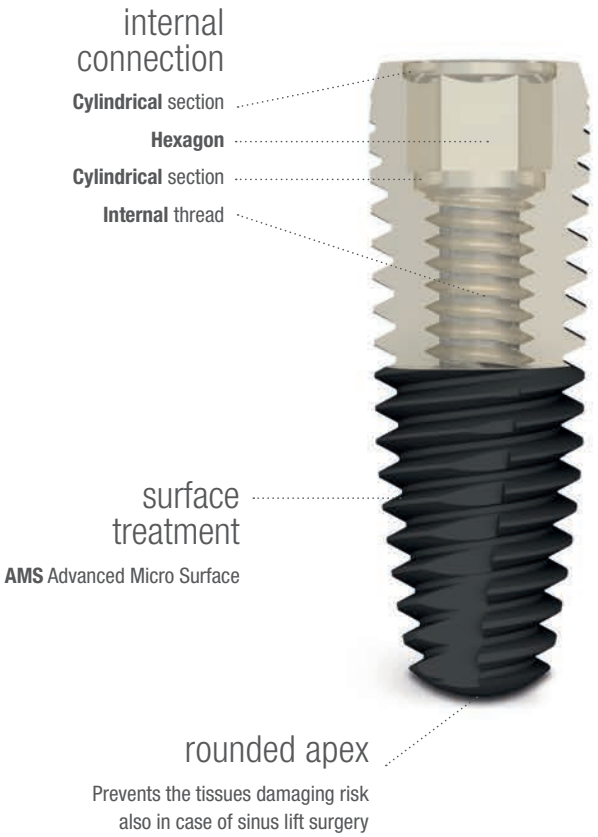
The Piesse line implants, obtained from high-strength Titanium Grade 4 bars of exclusive and certified European origin, are produced by Swiss and Japanese Numerically Controlled Machines of the latest generation. Before being placed on the market, they are checked one by one by highly specialized technicians, to verify that the hexagonal connection complies with the centesimal tolerance standards established in the design phase and that the internal thread allows an easy and precise prosthetic components screwing.

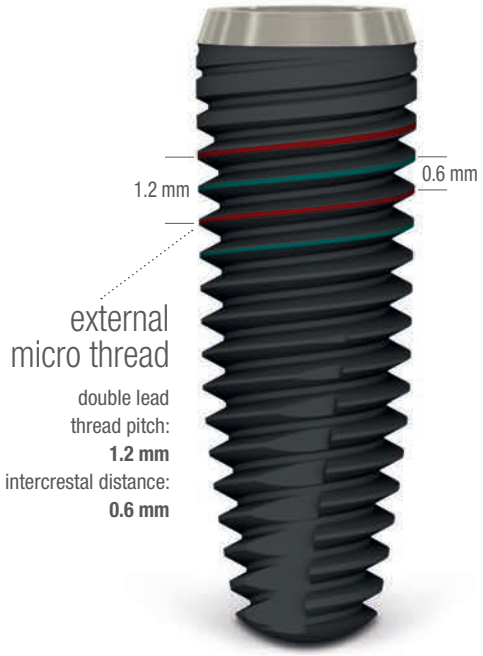
Let's explore the Piesse implants more deeply:

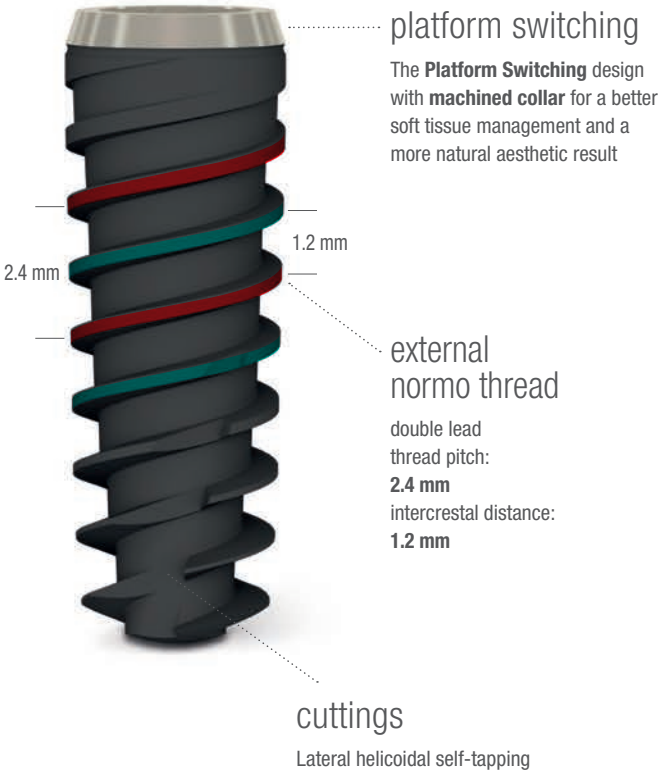
- their morphology is conical, with different angulation degrees of the platform, central and apical areas to replicate the natural conformation of a tooth root. In particular, the apex is rounded in order to prevent the risk of anatomical structures damage during screwing. The three self-tapping longitudinal helicoidal cuttings are ideal to facilitate the insertion of the implants.
- the connection is of screwed type (M2 thread) with internal hexagon (2.41 mm key)
- the collar is machined to a height of 0.5 mm in order to minimize the probability of peri-implantitis occurrence. It has a convergent geometry also to ensure a constant aesthetic of the gingival contour, perfectly supported by the re-grown bone.
- the external thread has a double principle, in order to allow the dentist to increase the insertion speed and thus finding maximum primary stability. There are two options for the pitch: the Micro Thread of 1.2 mm and 0.6 mm intercrestal distance; and the Normo Thread, of 2.4 mm and 1.2 mm intercrestal distance.
- the external diameters are between 3.5 mm and 5 mm; the lengths instead vary between 5.5 mm and 15 mm with successive steps of 1.5 mm
- two possible connection platforms:
  MINI for **3.5 mm** and **4.0 mm diameter** implants
  with prosthetic components distinguished by the **YELLOW colour**
  STANDARD for implants with diameters of **4.5 mm** and **5.0 mm**
  with prosthetic components distinguished by the **BLUE colour**

PIESSE MICRO e NORMO THREAD
INTERNAL CONNECTION

Line:	PIESSE LINE **MINI**	**Line:**	PIESSE LINE **STANDARD**
Implant:	ø 3.5 - 4.0 mm	**Implant:**	ø 4.5 - 5.0 mm
Platform:	ø 3.6 mm	**Platform:**	ø 4.0 mm
Codice colore:	**YELLOW**	**Codice colore:**	**BLUE**







PIESSE DOUBLE THREAD **MICRO**

Ø 3.5 mm

MINI platform ø 3.6 mm
Colour coding YELLOW
Double Thread Micro
Thread pitch 1.2 mm
Intercrestal distance 0.6 mm

MPSIM35085 MPSIM35100 MPSIM35115 MPSIM35130 MPSIM35150

Ø 4.0 mm

MINI platform ø 3.6 mm
Colour coding YELLOW
Double Thread Micro
Thread pitch 1.2 mm
Intercrestal distance 0.6 mm

MPSIM40070 MPSIM40085 MPSIM40100 MPSIM40115 MPSIM40130 MPSIM40150

Ø 4.5 mm

STANDARD platform ø 4.0 mm
Colour coding BLUE
Double Thread Micro
Thread pitch 1.2 mm
Intercrestal distance 0.6 mm

MPSIS45055 MPSIS45070 MPSIS45085 MPSIS45100 MPSIS45115 MPSIS45130 MPSIS45150

Ø 5.0 mm

STANDARD platform ø 4.0 mm
Colour coding BLUE
Double Thread Micro
Thread pitch 1.2 mm
Intercrestal distance 0.6 mm

MPSIS50055 MPSIS50070 MPSIS50085 MPSIS50100 MPSIS50115 MPSIS50130 MPSIS50150

Attenion: *for PIESSE Micro Thread L. 5.5 mm implants is necessary to use the special* ***green*** *abutment* ***screw*** *(ref.* ***EXDS34****) supplied with the implant.*

PIESSE DOUBLE THREAD **NORMO**

Ø 3.5 mm

MINI platform ø 3.6 mm
Colour coding YELLOW
Double Thread Normo
Thread pitch 2.4 mm
Intercrestal distance 1.2 mm

MPS35085NT

MPS35100NT

MPS35115NT

MPS35130NT

MPS35150NT

pterygoid

The Ø 4.0 and 4.5 mm pterygoid implants were created to treat upper jaw severe atrophies. The height of the machined collar is 3 mm in order to allow the tissue level placement.

Ø 4.0 mm

MINI platform ø 3.6 mm
Colour coding YELLOW
Double Thread Normo
Thread pitch 2.4 mm
Intercrestal distance 1.2 mm

MPS40070NT

MPS40085NT

MPS40100NT

MPS40115NT

MPS40130NT

MPS40150NT

MPS40170NT

MPS40200NT

Ø 4.5 mm

STANDARD platform ø 4.0 mm
Colour coding BLUE
Double Thread Normo
Thread pitch 2.4 mm
Intercrestal distance 1.2 mm

MPS45070NT

MPS45085NT

MPS45100NT

MPS45115NT

MPS45130NT

MPS45150NT

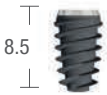
MPS45170NT

MPS45200NT

Ø 5.0 mm

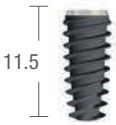
STANDARD platform ø 4.0 mm
Colour coding BLUE
Double Thread Normo
Thread pitch 2.4 mm
Intercrestal distance 1.2 mm

MPS50070NT



MPS50085NT

MPS50100NT



MPS50115NT

MPS50130NT

MPS50150NT

HEALING ABUTMENT

Titanium Grade 5 | Tightening torque 10 Ncm

mini

HAIN2015 HAIN2030 HAIN2050

standard

HAIN3415 HAIN3430 HAIN3450

ANATOMICAL HEALING ABUTMENT

Titanium Grade 5 | Tightening torque 10 Ncm

mini

AHAIN430 AHAIN445 AHAIN460

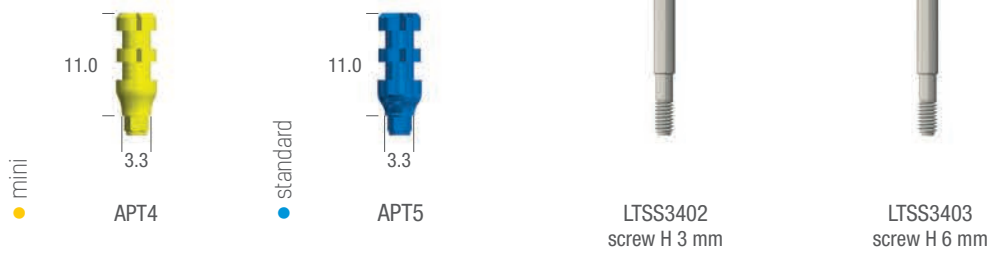
standard

AHAIN530 AHAIN545 AHAIN560

Healing abutments have **different diameters and transmucosal heights**. This offers the possibility of their optimal use according to the anatomical characteristics of the gingiva. Healing abutments and transfers are also available in **anatomical** emergence profile version for optimal soft tissues management.

IMPRESSION COPING TRANSFER OPEN TRAY

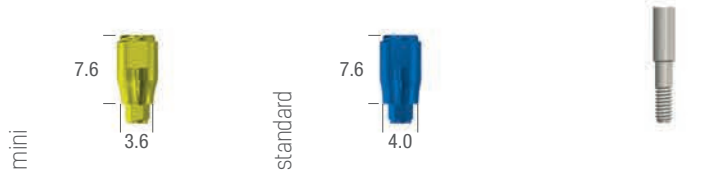
Titanium Grade 5 | tightening torque 10 Ncm
impression coping transfer screw H 3 mm included ref. LTSS3402



APT4 | APT5 | LTSS3402 screw H 3 mm | LTSS3403 screw H 6 mm

IMPRESSION COPING TRANSFER CLOSED TRAY SNAP

Titanium Grade 5 | tightening torque 10 Ncm
impression coping transfer screw H 0 mm included ref. LTSS3400



PUIN2000 | PUIN3400 | LTSS3400 screw H 0 mm

IMPRESSION COPING TRANSFER CLOSED TRAY PULL-UP ANATOMICAL

Plastic

PICT20 | PICT34

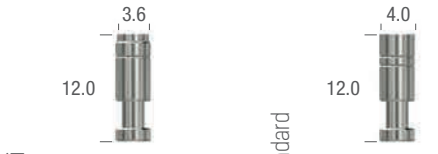
SNAP-ON CAP

POM

SNAP

LABORATORY ANALOGUE

Stainless steel



IAIN2000 | IAIN3400

The morphology of the **Open Tray** impression coping transfers allows perfect stability in the impression material and guarantees its absolute precision.

The particular geometry of the **Closed Tray** impression coping transfer allows maximum precision in repositioning the transfer into the silicone impression.

The analogues precisely replicate the **size** and **morphology** of the implant connection platform.

CASTABLE ABUTMENT ROTATIONAL

PMMA | Tightening torque 30 Ncm | abutment screw included

mini

RUIN2000

standard

RUIN3400

CASTABLE ABUTMENT ROTATIONAL

PMMA | Tightening torque 30 Ncm | abutment screw included

mini

NUIN2000

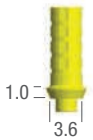
standard

NUIN3400

TEMPORARY ABUTMENT ROTATIONAL

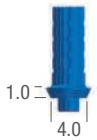
Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini conical



RUINT2000

standard

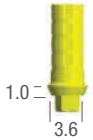


RUINT3400

TEMPORARY ABUTMENT ANTIROTATIONAL

Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini conical



NUINT2000

standard

NUINT3400

ABUTMENT SCREW M2

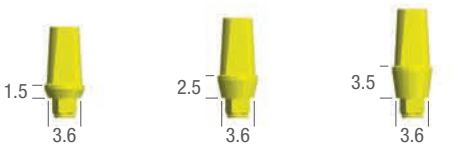
Titanium Grade 5 | **PACK 5 PCS**

DSEI3400

STRAIGHT ABUTMENT ANTIROTATIONAL

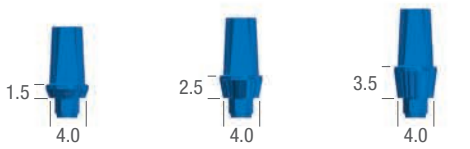
Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini



STIN2015PS STIN2025PS STIN2035PS

standard



STIN3415PS STIN3425PS STIN3435PS

There are **straight** and **angled abutments** of traditional and anatomical shape featuring different chamfer heights and inclinations to provide a variety of solutions that deal with the most different anatomic situations.
The implant-abutment connection area is realized with a 10 microns tolerance.

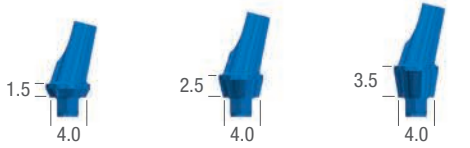
ANGLED ABUTMENT 15° ANTIROTATIONAL

Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini

A1IN2015 A2IN2015 A3IN2015

standard

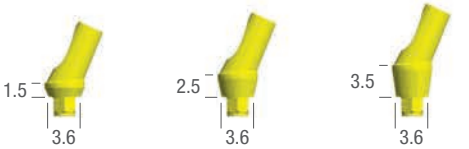


A1IN3415 A2IN3415 A3IN3415

ANGLED ABUTMENT 25° ANTIROTATIONAL

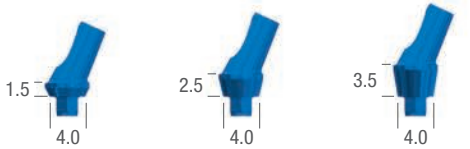
Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini



A1IN2025 A2IN2025 A3IN2025

standard



A1IN3425 A2IN3425 A3IN3425

STRAIGHT ABUTMENT ANTIROTATIONAL

Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini

ASAIN415 ASAIN425 ASAIN435 ASAIN445

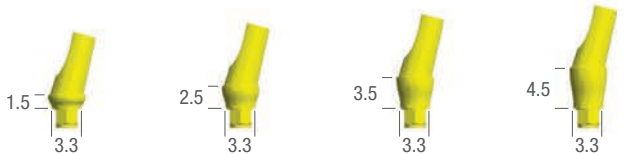
standard

ASAIN515 ASAIN525 ASAIN535 ASAIN545

ANGLED ABUTMENT 15° ANTIROTATIONAL

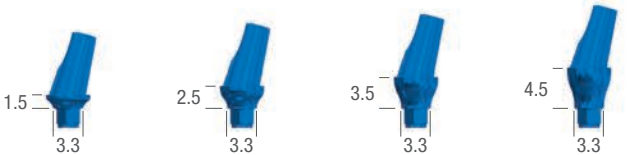
Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini



A15AIN415 A15AIN425 A15AIN435 A15AIN445

standard

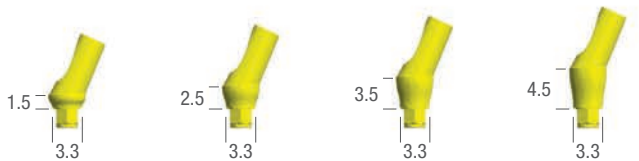


A15AIN515 A15AIN525 A15AIN535 A15AIN545

ANGLED ABUTMENT 25° ANTIROTATIONAL

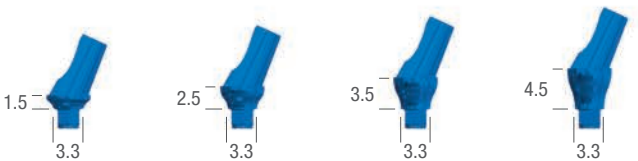
Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini



A25AIN415 A25AIN425 A25AIN435 A25AIN445

standard



A25AIN515 A25AIN525 A25AIN535 A25AIN545

AESTHETIC ABUTMENT

Titanio Grado 5 | torque serraggio 30 Ncm | rotational castable and aesthetic abutment screws included

mini

AAIN2005

AAIN2015

AAIN2025

CASTABLE ABUTMENT

NCAA0020
rotational

NCAA2020
antirotational

standard

AAIN3405

AAIN3415

AAIN3425

CASTABLE ABUTMENT

NCAA0034
rotational

NCAA2034
antirotational

AESTHETIC ABUTMENT PROSTHETIC SCREW M1.8

Titanium Grade 5

DSAA0030

The **aesthetic abutment** has a male cone that compensates for disparallelism between implants up to 55°.
It is supplied with a castable cap that allows the realization of prosthetic solutions such as: bars, Toronto Bridges, temporary abutments for immediate loading. Since the connecting screw is integrated into the abutment, the removal of the supra-structure is possible anytime without generating stress on the stability of the implant-abutment system.

SCAN BODY

opacified Titanium Grade 5 | Tightening torque 10 Ncm | screw included

SCANINT

MECHANICAL ANGLED SCREWDRIVER

Stainless steel with black diamond coating | Tightening torque 20 Ncm | torx key

SESD
short

MESD
medium

DIGITAL ANALOGUE FOR CAD/CAM

Stainless steel

ADINT

CONVERTITORE MECCANICO MANUALE

Acciaio inox temprato

MDCM8

PREMILLED ABUTMENT ANTIROTATIONAL FOR CAD-CAM

Titanium Grade 5 | abutment screw black diamond included | Arum® compatible | Ø 10 mm

INTCAD

TORX SCREW M2

Titanium Grade 5 black diamond coating

DSI3400

Implant libraries
available for:

- EXOCAD®
- 3SHAPE®
- DENTAL WINGS®

TITANIUM BASE FOR CAD-CAM

Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

mini

BTIR20
rotational

BTIN20
antirotational

BTIR2020
rotational

BTIN2020
antirotatoria

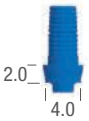
TITANIUM BASE FOR CAD-CAM

Titanium Grade 5 | Tightening torque 30 Ncm | abutment screw included

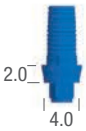
standard

BTIR34
rotational

BTIN34
antirotatoria



BTIR3420
rotational



BTIN3420
antirotatoria

COBALT-CHROME BASE FOR CAD-CAM

Cobalt-Chrome | Tightening torque 30 Ncm | abutment screw included

mini

BCIR20
rotational

BCIN20
antirotatoria

standard

BCIR34
rotational

BCIN34
antirotatoria

CBZ20
CASTABLE

CBZ34
CASTABLE

BALL ABUTMENT sphere Ø 2.25 m

Titanium Grade 5 | Tightening torque 20 Ncm | Titanium cover and retention cap included - spare part ref. 22PBEI0010T

mini

22BAIN2005

22BAIN2015

22BAIN2025

22BAIN2035

22BAIN2045

standard

22BAIN3405

22BAIN3415

22BAIN3425

22BAIN3435

22BAIN3445

cover for ball abutment standard

MBEI225T
titanium

MBEI225A
stainless steel

2 pcs per package

retention cap for ball abutment normo ø 2.25 mm

CN007
extra soft
0,5 kg

CN006
soft
0,9 kg

CN005
hard
1,3 kg

5 pcs per package

OXY LOC ABUTMENT

Locator® compatible | Titanium Grade 5 Gold Titanium coating | Tightening torque 30 Ncm | Titanium cover, retentive cap and protective disk included (spare part ref. SPOXYLOC) | Locator® is a Zest Anchors registered trade mark

● mini

LOCIN2010 | LOCIN2020 | LOCIN2030 | LOCIN2040 | LOCIN2050 | LOCIN2060 | LOCIN2070 | 15LOCIN20 | 30LOCIN20

● standard

LOCIN3410 | LOCIN3420 | LOCIN3430 | LOCIN3440 | LOCIN3450 | LOCIN3460 | LOCIN3470 | 15LOCIN34 | 30LOCIN34

LOCLAB
laboratory analogue

LOCTR
transfert

CRLOC
top for angled oxy loc abutment

titanium cover for oxy loc abutment

CTLOC

2 pcs per package

retention cap oxy loc abutment

CN098
extra soft
0,7 kg

CN097
soft
0,9 kg

CN096
standard
1,5 kg

CN099
strong
2,8 kg

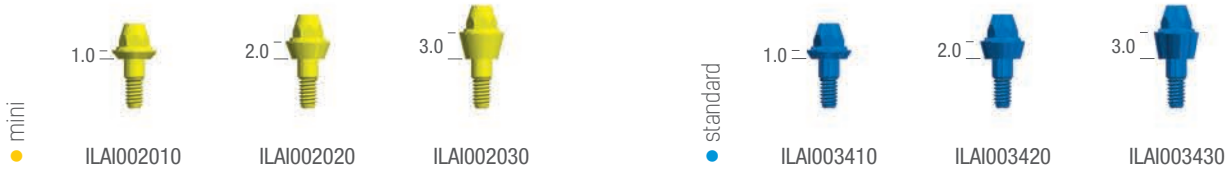
CN100
laboratory

DPR
protective disk

5 pcs per package

STRAIGHT BASE ILS

Titanium Grade 5 | Tightening torque 30 Ncm | plastic pre-mounted handle included



mini: ILAI002010 | ILAI002020 | ILAI002030

standard: ILAI003410 | ILAI003420 | ILAI003430

ILS (Immediate Load System) includes all the components that, in a safe and reliable way, allow a fast prosthetic rehabilitation thanks to the use of All-on-Four immediate load technique.
For this purpose, **Oxy Implant** provides straight and angled bases with 17° and 35° and different transgingival heights with corresponding pre-mounted handles.

ANGLED BASE 17° ILS

Titanium Grade 5 | Tightening torque 30 Ncm | stainless steel pre-mounted handle and abutment screw black diamond included

mini: ILAI172020 | ILAI172030

standard: ILAI173420 | ILAI173430

ANGLED BASE 35° ILS

Titanium Grade 5 | Tightening torque 30 Ncm | stainless steel pre-mounted handle and abutment screw black diamond included

mini: ILAI352030 | ILAI352040

ILAI353430 | ILAI353440

SCREW ILS

ILASH2

HEALING CAP
FOR ILS

Titanium Grade 5 | Tightening torque 10 Ncm

ILHC ILHCS

IMPRESSION COPING TRANSFER FOR ILS

Titanium Grade 5 | Tightening torque 10 Ncm
screw included

ILT ILTH

SCAN BODY
ILS

Opacified Titanium Grade 5 | Tightening torque 10 Ncm
screw included

SCANILS

DIGITAL ANALOGUE
ILS

Stainless steel

ADIL

LABORATORY ANALOGUE
FOR ILS

Stainless steel

ILA

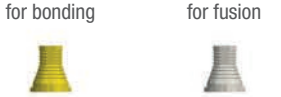
TEMPORARY ABUTMENT
ILS **ROTATIONAL**

Titanium Grade 5 | Tightening torque 15/20 Ncm
screw M1.4 black diamond included

ILTA

COVER
ILS **ROTATIONAL**

Tightening torque 15/20 Ncm
screw M1.4 black diamond included



ILCT
Titanium

ILCC
Cobalt-Chrome

CASTABLE
ILS **ROTATIONAL**

PMMA | Tightening torque 15/20 Ncm
screw M1.4 black diamond included

ILCA

SCREW FOR PROSTHETIC ILS

Titanium Grade 5 black diamond coating
M1.4 | **PACK 5 PCS**

ILPS

ABUTMENT SCREW
ILS **M1.4 TORX**

Titanium Grade 5 black diamond coating | M1.4

SDAS14

SURGICAL **INSTRUMENTS**

The drills for the **PIESSE Line** implants are designed and manufactured with the aim of ensuring their constant efficiency and maximum longevity. These prerogatives are achieved first of all thanks to the use of top quality materials such as the special tempered stainless steel used for their production. The latest generation finishing processes complete the production cycle.

All drills surface is coated with **Black Diamond**, a perfectly biocompatible material which increases their surface hardness and decreases the generated frictional forces. This process therefore greatly increases the cutting power and consequently reduces the risk of bone overheating during surgery.

Their morphology is cylindrical with a step of lower diameter to make a surgical alveolus that faithfully follows the shape of **Piesse** implant, more conical in the apical area.

The drills are sequential with a step of 0.3 mm between the successive diameters (2.9 - 3.2 - 3.5 - 3.8 and 4.1 mm) to make a surgical alveolus that corresponds perfectly to the implant core or to underprepare or over-prepare it according to the characteristics of the bone density.

In order to ease the Surgeon's work, the drills are graduated with laser markings to indicate the length of the inserted implant. For the same reason they can also be equipped with a Titanium depth stopper.

As well the diameter of the drill is clearly highlighted thanks to a specific laser marking.

The colour of the instrument stem allows to easily identify the slot of the surgical kit in which to store it: it is indeed characterized by the same coding.

It is important to remember that the drill tip increases the length of the instrument by 0.5 mm. Considering this, it will always be possible to avoid damage to the anatomical structures especially during use in areas close to the maxillary sinus or to the mandibular canal.

PILOT DRILL

ø 1.8 mm

Hardened stainless steel
black diamond coating

max 900 Rpm

SID01L

CALIBRATED STOP

Titanium Grade 5

Length	Ref.
5.5 mm	EST4055T
7 mm	EST4070T
8.5 mm	EST4085T
10 mm	EST4100T
11.5 mm	EST4115T
13 mm	EST4130T
15 mm	EST4150T

GRADUATED DRILL

ø 2.3 mm

Hardened stainless steel
black diamond coating

colour coding: white

max 900 Rpm

IGSD230

GRADUATED DRILL

ø 2.6 mm

Hardened stainless steel
black diamond coating

colour coding: purple

max 900 Rpm

SD2620

GRADUATED DRILL

ø 2.9 mm

Hardened stainless steel
black diamond coating

colour coding: yellow

max 900 Rpm

SD2923

GRADUATED DRILL

ø 3.2 mm

Hardened stainless steel
black diamond coating

colour coding: red

max 800 Rpm

SD3226

GRADUATED DRILL

ø 3.5 mm

Hardened stainless steel
black diamond coating

colour coding: green

max 800 Rpm

SD3529

GRADUATED DRILL

ø 3.8 mm

Hardened stainless steel
black diamond coating

colour coding: blue

max 700 Rpm

SD3832

GRADUATED DRILL

ø 4.1 mm

Hardened stainless steel
black diamond coating

colour coding: brown

max 700 Rpm

SD4135

LONG GRADUATED DRILL

PTERYGOID IMPLANT DRILLS

Hardened stainless steel
black diamond coating

Ø 2.3 max 900 Rpm
Ø 2.6 max 900 Rpm
Ø 2.9 max 900 Rpm
Ø 3.2 max 800 Rpm

LD2320
Ø 2.3 mm

LD2620
Ø 2.6 mm

LD2923
Ø 2.9 mm

LD3226
Ø 3.2 mm

TISSUE PUNCH

Hardened stainless steel
black diamond coating

max 100 Rpm

MPU34

COUNTERSINK DRILL

Hardened stainless steel
black diamond coating

max 300 Rpm

STDPSILS

PARALLEL INDICATOR

Titanium Grade 5

PIN2329
Ø2.3-2.9 mm

PIN2317
17°

PIN2330
30°

DRILL EXTENSION

Hardened stainless steel

DEXT

BONE TAP

Hardened stainless steel
black diamond coating

max 40 Rpm

double thread **micro**

Diameter	Ref.
3.5 mm	TDLT350
4.0 mm	TDLT400
4.5 mm	TDLT450
5.0 mm	TDLT500

double thread **normo**

Diameter	Ref.
3.5 mm	TNT350
4.0 mm	TNT400
4.5 mm	TNT450
5.0 mm	TNT500

BONE TAP DRIVER

Hardened stainless steel

XCMRC8
extrashort

CMRC8
short

LMRC8
medium

MECHANICAL INSERTER

Hardened stainless steel
black diamond coating

Tightening torque 50 Ncm

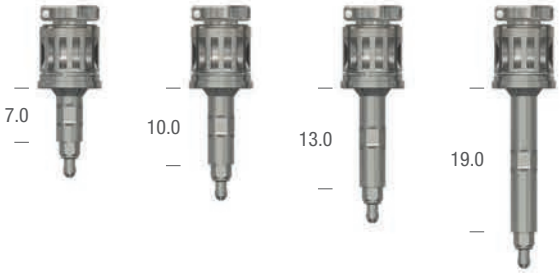
SMEIT short | MMEIT medium | LMEIT long

MANUAL DRIVER INSERTER

disc: **INT**

Hardened stainless steel

Ø 8 mm



SMI8 short | MMI8 medium | LMI8 long | EMI8 extralong

MECHANICAL SCREWDRIVER HEX 1.25

Hardened stainless steel
black diamond coating

hexagonal key 1.25 mm

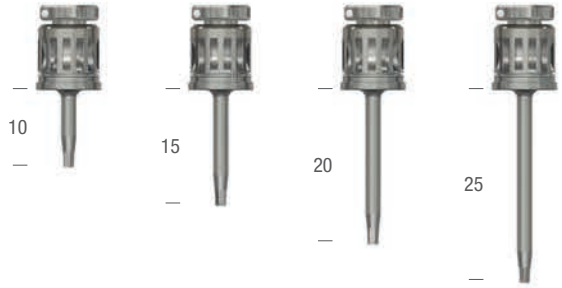
MESSD short | MEMSD medium | MELSD long | MEELSD extralong

MANUAL SCREWDRIVER HEX 1.25

disc: **1.25**

Hardened stainless steel
gold titanium coating

hexagonal key 1.25 mm



SMSD8 short | MMSD8 medium | LMSD8 long | ELMSD8 extralong

SCREWDRIVER FOR ILS STRAIGHT BASE AND AESTHETIC ABUTMENT

rondella: **ILS**

Hardened stainless steel
gold titanium coating

manual | mechanical

MADD8 | MIAIL

SCREWDRIVER FOR BALL ABUTMENTS AND MICRO FIX SPHERE IMPLANTS

rondella: **SPHERE**

Acciaio inox temprato

manual | mechanical

MBDD8 | MAXPS

SURGICAL DIRECTION GUIDE ILS

Anodised Titanium

ILSGUIDE

CYLINDRICAL BONE MILL

ø 5.0 mm

Hardened stainless steel
black diamond coating

max 300 Rpm

BMCIL

GBMSINT
bone mill screw

CONICAL BONE MILL

ø 6.5 mm

Hardened stainless steel
black diamond coating

max 300 Rpm

BMCON

GBMSINT
bone mill screw

DEPTH GAUGE GRADUATED

Stainless steel

with depth indicator and ruler

DIPSK1

TORQUE RATCHET

Hardened stainless steel

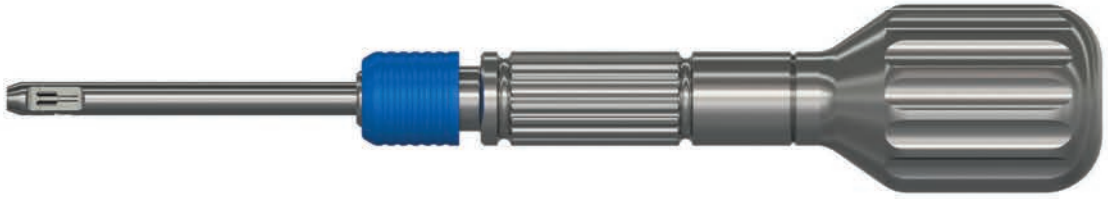
driver D8

torque 10÷70 Ncm

TR8

STRAIGHT KEY

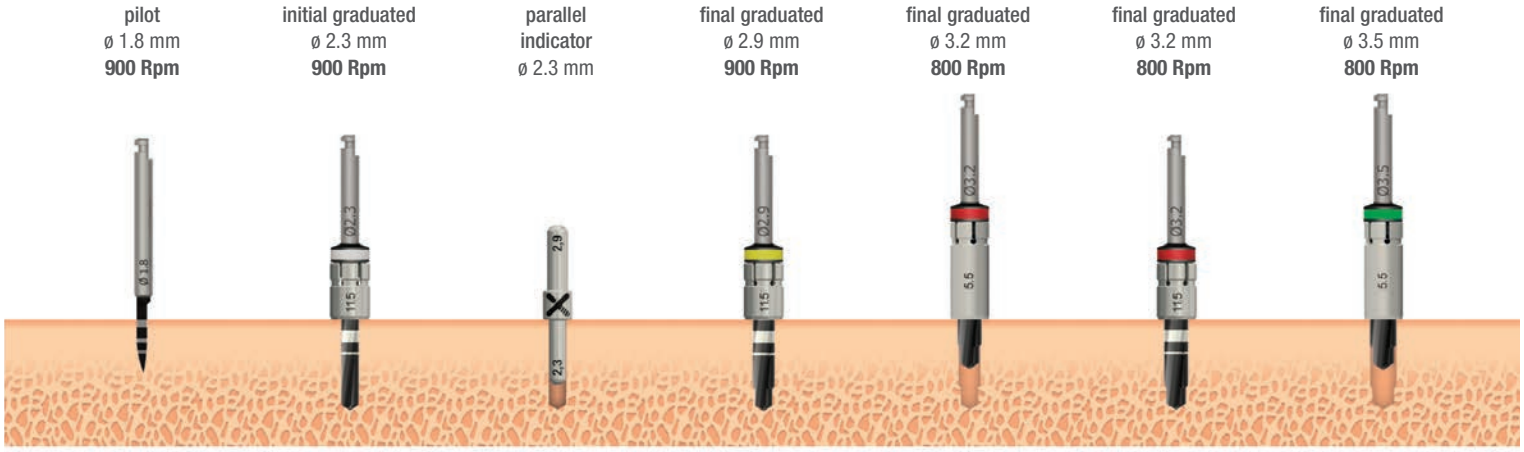
Hardened stainless steel



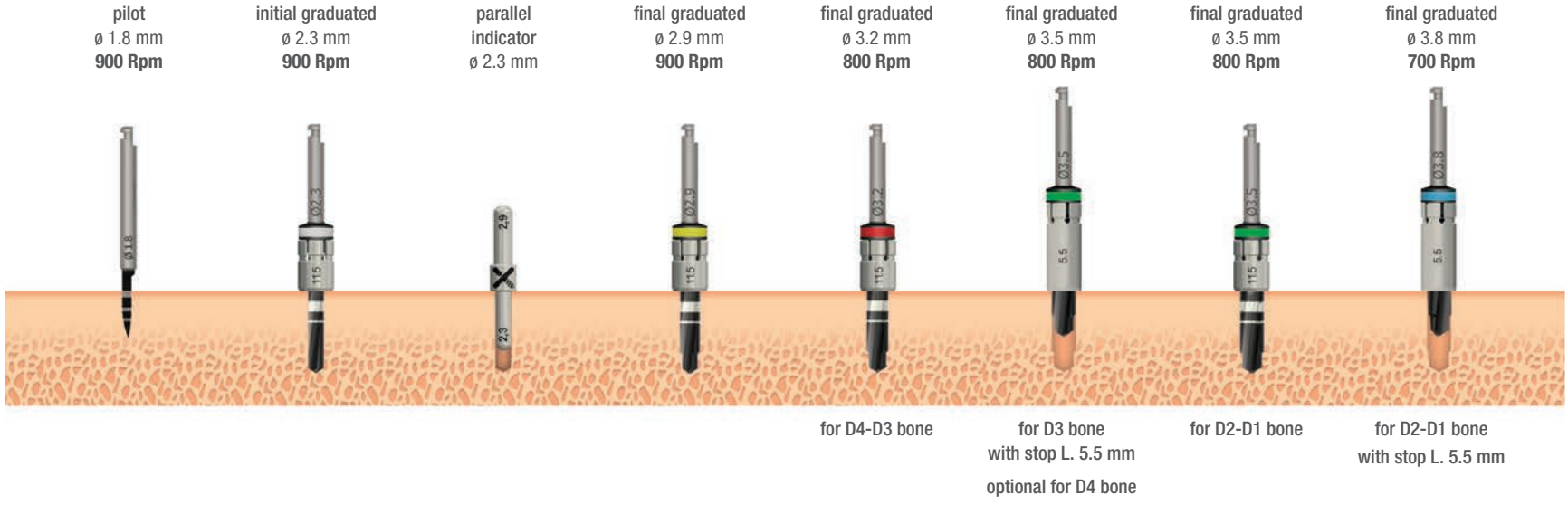
DEK

PIESSE LINE **SEQUENZA FRESE**

for ø 3.5 mm implants

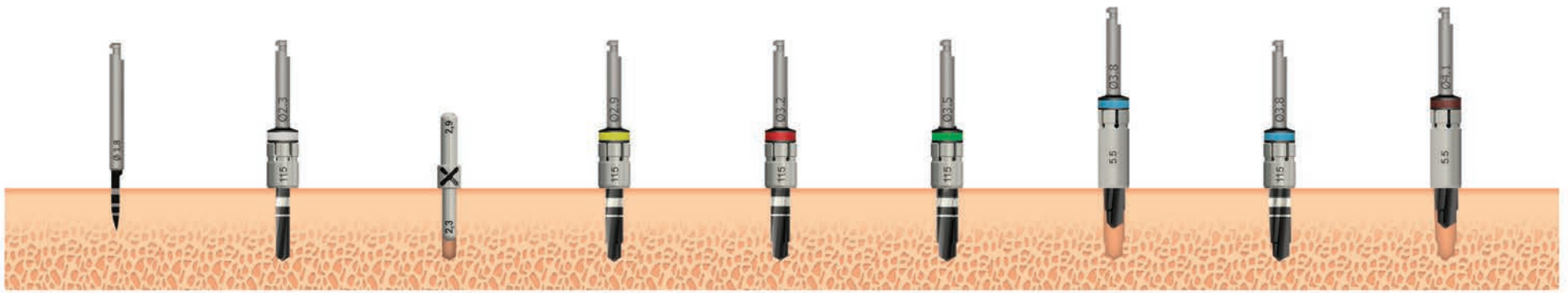


for ø 4.0 mm implants

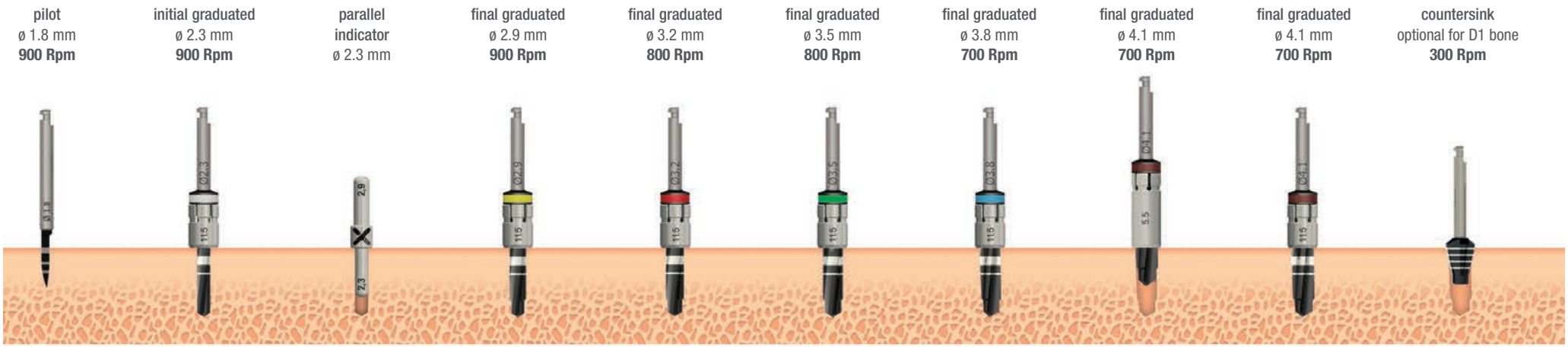


PIESSE LINE **DRILLING SEQUENCE**

for **ø 4.5 mm** implants



for **ø 5.0 mm** implants



OXY GUIDED SURGERY KIT

DRILL FOR FIXATION PIN

Hardened stainless steel
black diamond coating

max 1000 Rpm

DPFGS

FIXATION PIN FOR SURGICAL GUIDES

Stainless steel

SCREWABLE

PINGS

PINGF

OGS REDUCTION RING

Titanium Grade 5

Height	Colour	Ref.
2 mm	fuchsia	RR5020
1.5 mm	blue	RR5015
1 mm	yellow	RR5010

OGS BONE LEVELLER DRILL

Hardened stainless steel
black diamond coating

max 300 Rpm

OGSBL

OGS START DRILL

Hardened stainless steel
black diamond coating

max 600 Rpm

CSGS

OGS DRILL

ø 2.3 mm

Hardened stainless steel
black diamond coating

max 900 Rpm

Length	Ref.
L. 6.0 mm	SD23060GS
L. 8.5 mm	SD23085GS
L. 10 mm	SD23100GS
L. 11.5 mm	SD23115GS
L. 13 mm	SD23130GS
L. 15 mm	SD23150GS

OGS DRILL

ø 2.9 mm

Hardened stainless steel
black diamond coating

max 900 Rpm

Length	Ref.
L. 8.5 mm	SD29085GS
L. 10 mm	SD29100GS
L. 11.5 mm	SD29115GS
L. 13 mm	SD29130GS
L. 15 mm	SD29150GS

OGS DRILL

ø 3.2 mm

Hardened stainless steel
black diamond coating

max 800 Rpm

Length	Ref.
L. 8.5 mm	SD32085GS
L. 10 mm	SD32100GS
L. 11.5 mm	SD32115GS
L. 13 mm	SD32130GS
L. 15 mm	SD32150GS

OGS DRILL

ø 3.5 mm

Hardened stainless steel
black diamond coating

max 800 Rpm

Length	Ref.
L. 8.5 mm	SD35085GS
L. 10 mm	SD35100GS
L. 11.5 mm	SD35115GS
L. 13 mm	SD35130GS
L. 15 mm	SD35150GS

OGS DRILL

ø 3.8 mm

Hardened stainless steel
black diamond coating

max 700 Rpm

Length	Ref.
L. 8.5 mm	SD38085GS
L. 10 mm	SD38100GS
L. 11.5 mm	SD38115GS
L. 13 mm	SD38130GS
L. 15 mm	SD38150GS

MOUNTER OGS

Hardened stainless steel

GMIS

MONTER REMOVAL DRIVER OGS

Hardened stainless steel

GMSE

DRIVER CONVERTER 4X4 SQUARE

Hardened stainless steel

manual

SMRC8

mechanical

MAEX

CYLINDRICAL BONE MILL

Hardened stainless steel
black diamond coating

max 300 Rpm

BMCIL

GBMSINT
bone mill screw

CONICAL BONE MILL

Hardened stainless steel
black diamond coating

max 300 Rpm

BMCON

GBMSINT
bone mill screw

SCREWDRIVER FOR SCREWS

Hardened stainless steel
black diamond coating

max 300 Rpm

manual

MMSD8

mechanical

MEMSD

SCREWDRIVER FOR ILS STRAIGHT BASE AND AESTHETIC ABUTMENT

rondella: **ILS**

Hardened stainless steel
gold titanium coating

manual

MADD8

mechanical

MIAIL

SLEEVE FOR TEMPLATE

Stainless steel

CGS

FIXING PIN SLEEVE

Stainless steel

CPINGS

BITE GAUGE

Stainless steel

BITEGAUGEPS

TORQUE RATCHET

Stainless steel

driver D8

torque 10÷70 Ncm

TR8

NOTES

Rev. 01-23-EN

implant
DENTAL SYSTEM

By Biomec S.r.l.
Via Nazionale Nord, 21/A - 23823 Colico (LC) - Italy
Tel. +39 0341 930166 - Fax +39 0341 930201
www.oxyimplant.com - info@oxyimplant.com

DESIGN & PRODUCTION
100% OXY IMPLANT
MADE IN ITALY