ORTHOSCREW line • TYPE line • NANO line • IMPLUS line

L|E|A|D|E|R

ITALIA

Implantology Catalog

2013

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Prof. **Ugo Ripamonti**

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LEADER ITALIA

LEADER ITALIA srl was founded in 1996 to manufacture components for implantology; then, on the basis of the acquired experience on implants, methods and, above all, on the implant peculiar physical problems, LEADER ITALIA has widened its production range, starting the manufacture of its own implant line. In the last few years, the Company has committed itself to scientific and technological research to project and design surfaces suited to enhance and accelerate the osseointegration process, exploring possibilities far from those offered since now by the traditional systems.

Fundamental for this achievement is the cooperation with several international Universities:

III University of Naples: *Prof. G. Papaccio*

University of Chieti: *Prof. A. Piattelli*

University of Varese: *Prof. A. Macchi, Prof. C. Mangano, Prof. M. Raspanti*

Universidade Guarulhos, *S. Paolo: Prof. J. Shibli*

University of Birmingham: *Prof. R. Sammons*

University of Johannesburg: *Prof. U. Ripamonti*.

These years of research have yielded interesting results concerning surface geometry and implant manufacturing and the several published and in press scientific articles demonstrate the revolutionary innovative solutions offered by the new engineering and manufacturing technologies applied.

Certifications

The care dedicated to the production process, which matches the highest standards in implantology, has earned LEADER ITALIA the ***certifications ISO 9001 and ISO 13485****, as well as the CE0434 mark for medical devices, that guarantee the high quality of its products.*

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 13485 =

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001 =

Moreover IMPLUS implant line has obtained also the prestigious and severe U.S. FDA Clearance.

FDA

**For further information visit our web site www.leaderitalia.it*

Features of LEADER implants

Titanium

IMPLUS, transmucous S-TYPE, S-TYPE PX (post extractive) and FIX TYPE fixtures are made of **pure titanium ASTM, grade 4**, with breaking load Mpa 550; whereas **NANO, S-TYPE XT (extended) and ORTHOSCREW fixtures** are made of **titanium ASTM, grade 5**, with breaking load Mpa 900.
Titanium is highly reactive: on the surface it combines with oxygen building a titanium oxide layer (TiO2). Titanium is the ideal metal to manufacture dental implants thanks to its outstanding mechanical characteristics (fatigue strength) and bio-compatibility. It consists of a crystal metallurgical structure with a compact hex reticule (phase A-stable up to 882 °C) and a cubic structure with centred body (phase B-stable up to 900 °C).
The low density (4,5 g/cm3) gives it an extreme lightness that, together with the high mechanical resistance, optimizes its qualities.
Vickers Hardness 210/220.
Well known is the optimum resistance to corrosion and to chemical aggression due to the extraordinary stability of the passive protection of the surface oxide.

MACRO VS MICRO ETCHING

In implantology, several surfaces have shown good clinical successes, but the present topic of major discussion is if one surface can offer greater advantages than others in terms of healing time and osseointegration degree in different bone districts (figures A and B).

Fig. A - *Microscope view of the bone/implant interface. The bone already grows directly on the new bio-mimetic surface one month after the insertion.*

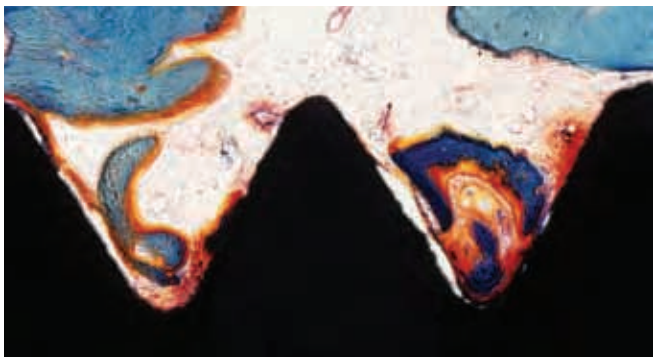


Fig. B - *With a greater magnification it is possible to see the new-formed bone deposited on the new surface and the intensive osteoblastic and angiogenetic activity.*

The macro and micro-etching processes are both subtraction procedures, based on the removal of material - the titanium in this case.

Macro-etching

1. sandblasting of the surface
2. acid etching

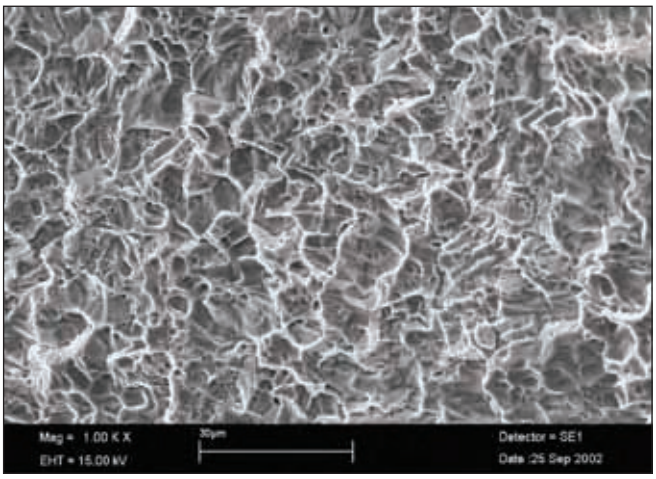
Macro-cavities are obtained (80-100 micron) with an internal roughness of 15-20 micron created by the acid etching

Micro-etching

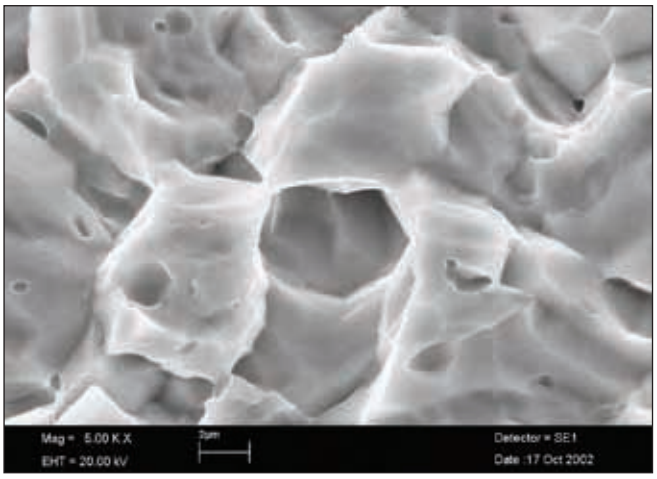
1. acid etching only

Micro-cavities are obtained of nearly 5-13 micron

With reference to the dimensions of the cavities created by the etching, the literature puts in evidence that **the rough surface with micro cavities offers the best healing power***.
The most recent literature have demonstrated that the osteoblastic cells distributed themselves better on micro rough surfaces than on macro rough ones. The micro rough surface improves the primary stability of the implant with the advantage of a precocious orientation of the fibrin structure, with a reduction of the healing period and an ideal osteoblastic induction.



Effect of the surface treatment carried out with a mixture of organic acids at low concentration.



Distribution and shape of micro-cavities at a greater magnification (3000 x).

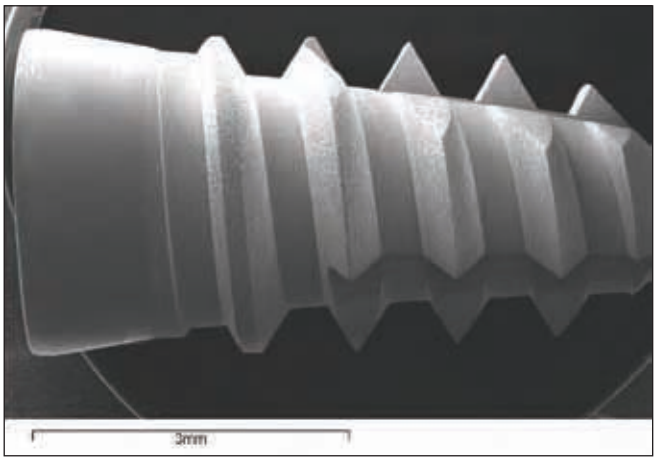
The importance of Geometry

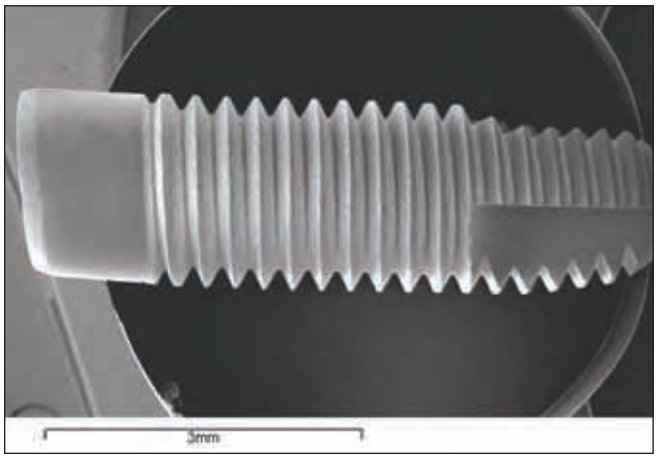
The international literature demonstrated that the surface roughness causes an effect on proliferation, on differentiation and on the protein synthesis of osteoblastic cells. Numerous studies suggest that the quality of the osseointegration and the stability inside the bone much depend on the geometry of the implant surface. Moreover, the rough surfaces with definite geometry enhance the fibrin stabilization in the very first moments after the insertion of the implant, facilitating the healing processes. The researches carried out in the last decades have highlighted how the geometry of the implant surface induces a greater concentration of the growth factors involved in the bone formation; moreover, the osteoblastic cells interact better with such surfaces than with smooth or only macro-rough ones.

The surfaces with a geometry defined by cavities of uniform appearance induce a better bone reaction, influencing the healing processes and accelerating the osseointegration phenomenon.

LEADER implants surface

The LEADER implants present a defined geometry of their surfaces obtained through an innovative treatment with a mixture of organic acids that produces a uniform appearance with micro-cavities (unique B.O.A.T treatment: Biological Organic Acid Treatment). This new surface can stimulate and accelerate the phenomenon of bone healing, thus obtaining a faster osseointegration that suits better to the need of anticipating the functional load. The uniform micro-cavities growing on the surface of the Implus implants help the absorption of the specific proteins that stimulate the bone formation inside the cavities.
Researches carried out in vitro, on nonhuman primates and on humans highlighted how the so treated surfaces (LEADER) induced a fast bone growth and that the very first bone formation had taken place in the cavity. This is in accordance with what was demonstrated by Prof. Ripamonti, in numerous experiments on the baboon monkeys*, which allowed him to codify the term of "geometric induction of the bone formation".





The magnification shows the high homogeneity of the texture together with the optimum cleanliness level of the implant surface.

* References on page 88

Quality and quantity of bone

Misch classification

The quality and quantity of the bone are the fundamental requirements for the successful treatment of a completely or partially edentulous patient. In fact, such parameters determine the stabilization and contact degree with the bone, as widely reported in the literature.
In those cases where the bone quantity is insufficient, it can be increased by different techniques.

First evaluation:

Bone external structure:

Bone quantity

Second evaluation:

Bone internal structure:

Bone quality

Bone quantity (according to MISCH)

Classification	
A	Bone available in large quantity in all projections
B	Bone only sufficient due to resorption
B-W	Increasing technique necessity
C-H	Severe bone atrophy
D	Extreme bone atrophy

Bone quality (according to MISCH)

Classification	Density	Location
D1	Dense cortical bone	Anterior lower jaw
D2	Porous cortical bone, spongeous bone	Anterior/posterior lower jaw, anterior upper jaw
D3	Porous cortical bone, spongeous bone, large structure	Anterior/posterior upper jaw, posterior lower jaw
D4	Spongeous bone, large structure	Posterior upper jaw

Instruments selection

according to the bone quality

Bone D1

Countersink (shoulder preparation) and bone tap before implant insertion are recommended.

Bone D2

Countersink and bone tap* before implant insertion are recommended.
*(to one third of the predetermined depth)

Bone D3

Only the final drill before implant insertion is recommended.

Bone D4

Only the final drill before implant insertion is recommended.

Torque and speed values for each bone type (according to MISCH)

UPPER JAW		
Bone type 4	torque from 10 Ncm to 32 Ncm	Drill speed 250/400 rpm
Bone type 3	torque from 20 Ncm to 45 Ncm	Drill speed 250/500 rpm
LOWER JAW		
Bone type 2	torque from 32 Ncm to 55 Ncm	Drill speed 300/600 rpm
Bone type 1	torque from 45 Ncm to 55 Ncm	Drill speed 600/700 rpm

NOTE
The function of the countersink (shoulder preparation) is to prepare the sites for the implants that have a platform larger than the implant body.
Such tool must be used with great caution.
In case of poor bone quality (D3 - D4), or in case of reduced bone thickness in the buccal – lingual position, its use could be detrimental. In fact, a flaring with less depth could preserve the marginal cortical that would otherwise crumble away under the invasive action of the countersink tool.

The technical suggestions reported in this catalogue can under no circumstances substitute the clinical evaluations and therapeutic indications that are of exclusive competence of the Dentist.

IMPLUS

CYLINDRICAL

Internal hex

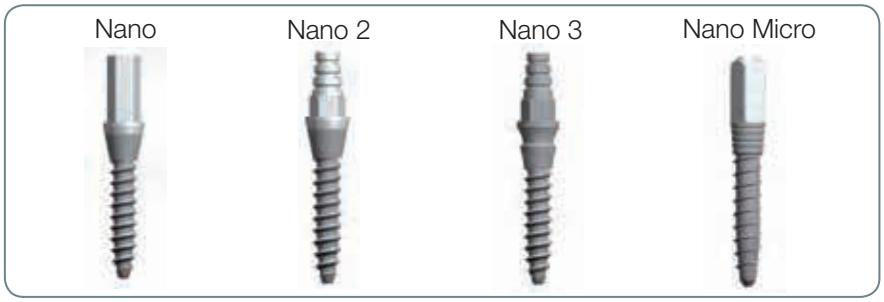
Polished Neck TTS

External hex

Polished Neck TTS

NANO

for fix prosthesis



S-TYPE

FIX TYPE

Transmucous

ORTHOSCREW

TAPERED

Internal hex

Narrow thread

Polished Neck

TTS

Wide thread

Polished Neck

TTS

External hex

Wide thread

Polished Neck

TTS

for removable prosthesis

Nano OVD

Normo ball

Micro ball

Nano OVD 2

Normo ball

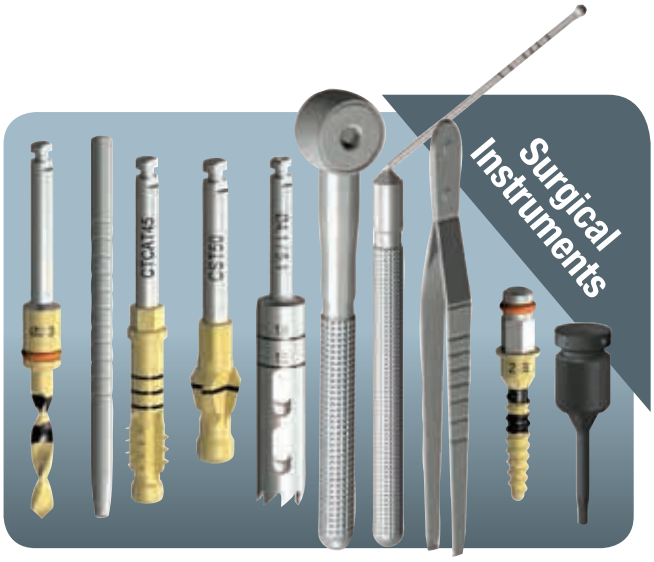
Nano OVD short

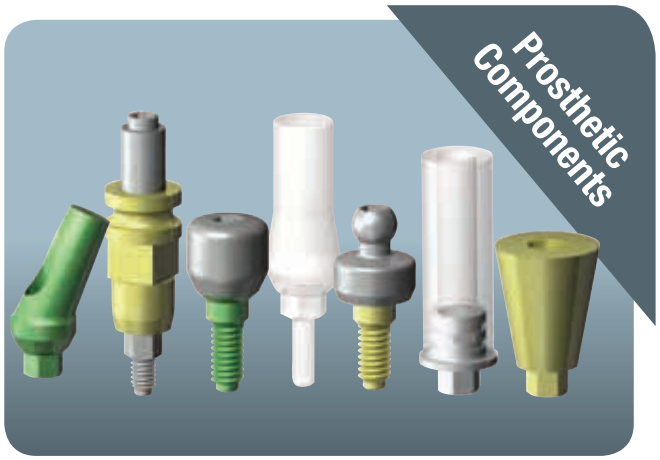
Normo ball

Nano OVD Micro

Micro ball

XT (extended)

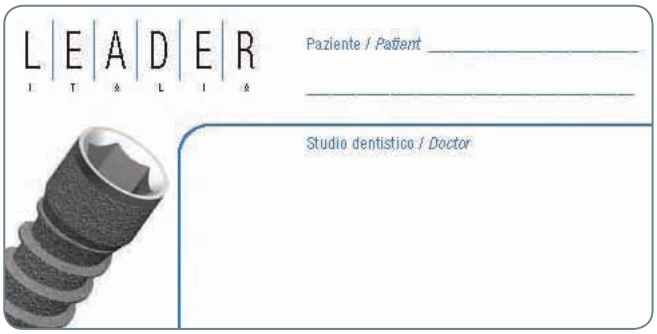




Identification of Leader implants

Patient card

Each implant package contains also the patient card which is destined to the attachment of the labels which depicts the inserted implant description and to collect all the operating data.
It is recommended to fill in the patient card completely and hand it to the patient, informing him/her to take it at each follow-up session.



Labels

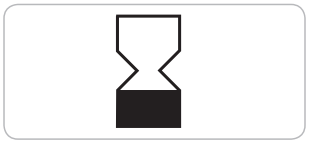
The label on the vial and those contained in the package depict all necessary data to trace back the inserted implant.
It is recommended to attach the labels on the patient clinical folder and on the patient card, so as to ensure complete product traceability.

Batch code

Symbol of conformity to CEE n° 93/42 related to Medical Devices

Do not reuse (single use)

Sterilized using irradiation



Use by

Consult instructions for use

Do not use if the product sterilization barrier or its packaging is compromised

Caution

Index

Indications

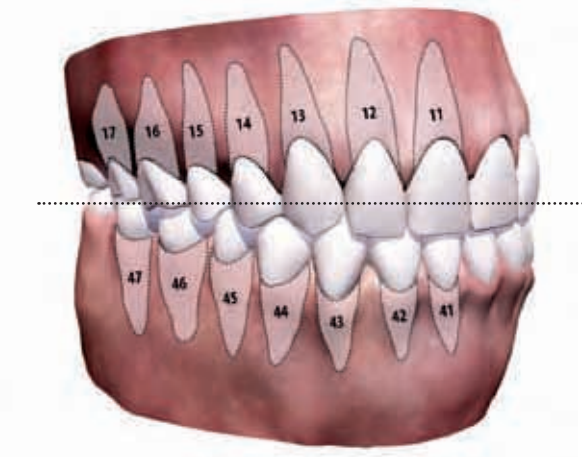
for **Cylindrical Implus** implant selection

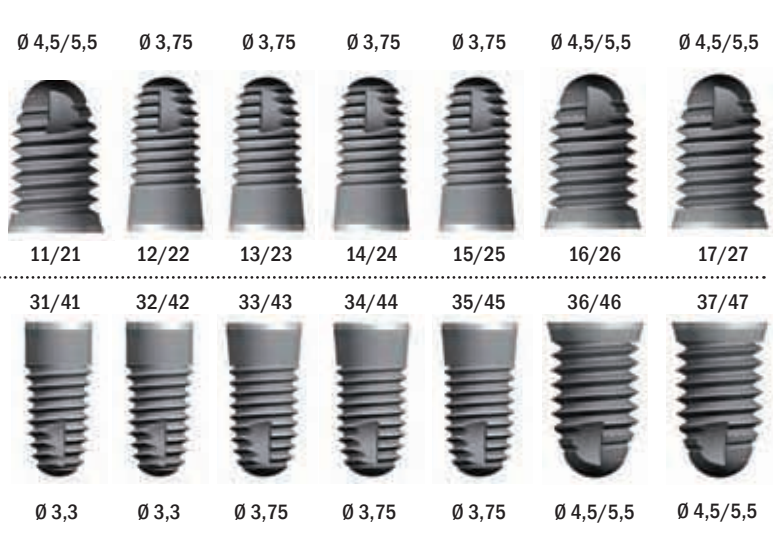
Self threading fixture, suitable for any quadrant, in particular in bone class at D1 – D2 density where the threading of the implant enhances the insertion even in very compact bone.

The fixture has a larger platform than the implant body, that guarantees a more uniform profile and a shape very similar to the natural geometry of the tooth; at the same time, reducing the penetration of the epithelial tissue after the surgical treatment. In some surgical procedures (for example, the upper jaw sinus mini-lift) the enlarged platform acts as a stop on the cortical, preventing the sinking of the fixture in the sinus. Moreover, the enlarged neck distributes better the masticatory loads along the entire fixture, increasing its resistance and, above all, greatly reducing the loads on the upper part of the fixture (polished neck).

On the basis of the dimensions, function and position of the dental element to be substituted, the following diameters are recommended:

Ø 3,3 Neck 3,5	Lower incisors
Ø 3,75 Neck 4	Lower premolars - Upper lateral - Upper premolars - Lower /upper canines
Ø 4,5 Neck 5	Upper central incisors - Lower/upper molars
Ø 5,5 Neck 6	Lower/upper molars





The technical suggestions reported in this catalogue can under no circumstances substitute the clinical evaluations and therapeutic indications that are of exclusive competence of the Dentist.

Indications

for **Tapered Implus** implant selection

Main indications

Tapered Implus are suitable for the most anatomical situations:

- Root convergence of adjacent teeth
- Labial concavities and lingual undercuts in the anterior area of the upper jaw
- Post-extraction sockets

The **tapered Implus implants with wide thread** are particularly indicated in bone class D3 – D4 where the wide thread pitch enables an optimun insertion and the best primary stability.

The **tapered Implus implants with narrow thread** are mainly indicated in bone class D1-D2.

The Implus system offers the choice between the one step surgical procedure and the two steps one.
On the basis of the dimensions, function and position of the dental element to be substituted, the following diameters are recommended:

Ø 4 Apex 2,3	Lower canines – Upper central, lateral canines and premolars
Ø 5 Apex 2,8	Lower premolars and molars – Upper premolars and molars – Upper central and canines
Ø 6 Apex 3,8	Upper molars - Lower molars

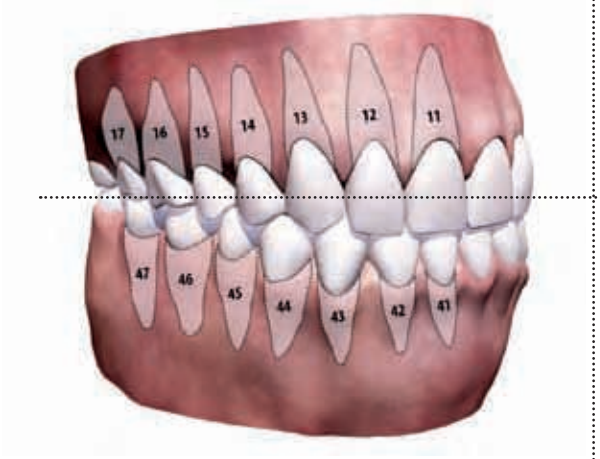
Osteotomes

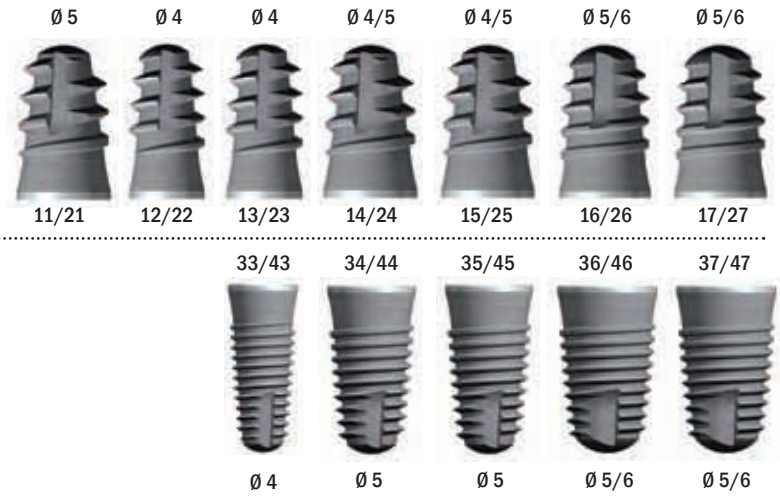
A complete set of hand calibrated osteotomes is available to facilitate the insertion of the implants with alveolar shape in soft maxillary bone.
The osteotomes compress the bone laterally increasing the interface bone-implant.

Advantages of the Tapered Implus implants

- Alveolar design
- Faster insertion
- Optimum primary stability
- Decrease of the non-axial masticatory load
- Better masticatory load distribution
- Better aesthetic results

Tapered implants with wide thread are recommended for insertion into the upper jaw while those with narrow thread are recommended for the lower jaw.

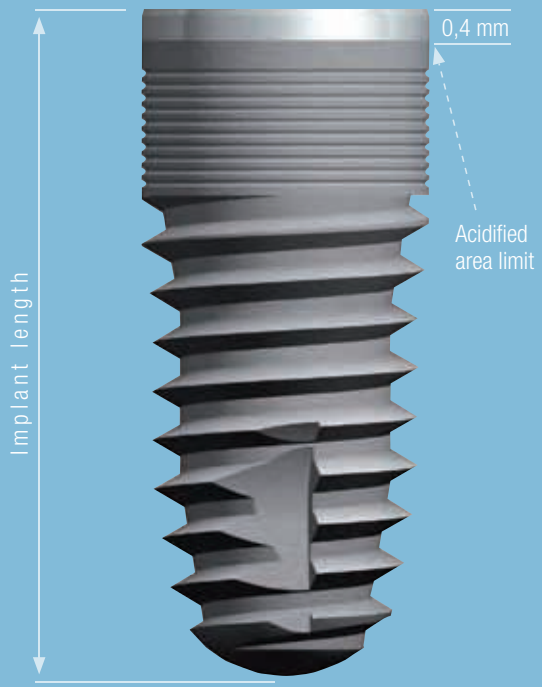




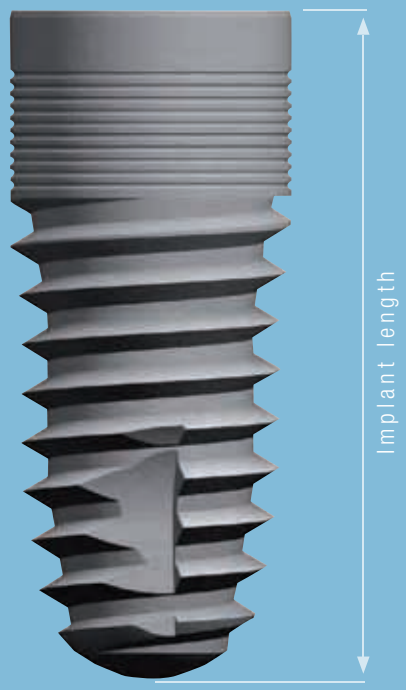
IMPLUS CYLINDRICAL

Internal hex

Polished Neck



TTS



Platform	Ø	Length	Code
3,5	3,3	8,0	01I3308
		10,0	01I3310
		11,5	01I3311
		13,0	01I3313
		16,0	01I3316
4	3,75	8,0	01I3708
		10,0	01I3710
		11,5	01I3711
		13,0	01I3713
		16,0	01I3716
5	4,5	8,0	01I4508
		10,0	01I4510
		11,5	01I4511
		13,0	01I4513
		16,0	01I4516
6	5,5	8,0	01I5508
		10,0	01I5510
		11,5	01I5511
		13,0	01I5513

Platform	Ø	Length	Code
3,5	3,3	8,0	01I3308TTS
		10,0	01I3310TTS
		11,5	01I3311TTS
		13,0	01I3313TTS
		16,0	01I3316TTS
4	3,75	8,0	01I3708TTS
		10,0	01I3710TTS
		11,5	01I3711TTS
		13,0	01I3713TTS
		16,0	01I3716TTS
5	4,5	8,0	01I4508TTS
		10,0	01I4510TTS
		11,5	01I4511TTS
		13,0	01I4513TTS
		16,0	01I4516TTS
6	5,5	8,0	01I5508TTS
		10,0	01I5510TTS
		11,5	01I5511TTS
		13,0	01I5513TTS

Note: all Implus implants have a larger platform than the implant body; that guarantees higher stability and optimum distribution of the masticatory load. This feature also prevents the sinking of the fixture in the sinus.

- Self-threading fixture in pure titanium, Grade 4
- Micro-rough surface (B.O.A.T. treatment)
- Three anti-rotation apical grooves
- Available in two models:
  -Polished neck h 0.4 mm
  -**TTS** Totally Treated Surface
- All implants are packaged with a colour coded multi-functional tool named “mount-transfer” (in titanium, Grade 5).

- Ideal for mono implant.
- Very aesthetic
- High anti-rotation value at the abutment/implant interface
- Great resistance to horizontal stresses
- Ideal for central and lateral upper and lower
- Round apex: minimum trauma during insertion
- The insertion at bone level is recommended

Implus implants guarantee an optimum distribution of masticatory load, thus preserving the crestal bone (bone/implant interface - critical area).

Mount-transfer

Both IMPLUS implants (with polished neck and TTS) are equipped with a transport tool that allows the surgeon to transport and position the implant in conditions of absolute sterility.

The mount-transfer is screwed on the implant through a passing screw (M1,8) to be discarded after the insertion of the implant.

The upper part of the transfer has an hex ES 2.43

When using **a custom tray, the long passing screw** code PSTL **has to be ordered separately.**

The mount-transfer is a multi-function mechanical instrument used as:

- instrument to transport the fixture from the glass vial to the implant site;
- impression transfer
- temporary abutment
- permanent abutment.

The mount-transfer is colour coded to identify the relative implant platform diameter.

Packaging

- Packaging in compliance with ISO 11607-1 and 2
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years by waterproof double packaging in airtight sealed glass vial and blister
- The packaging contains:
  Implant held by a titanium mount-transfer
  Surgical screw.

The cover colour identifies the platform diameter.

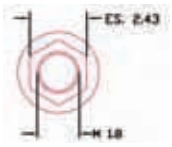
First preparation

Ø 3,3 - 3,75 - 4,5 - 5,5

Round dril Ø 1,9	→	Cortical drill Ø 1,8
DS19S		DSP18
Max. 1.000 rpm		Max. 800 rpm

Ø 3,3

Platform: Ø 3,5 mm | Internal hex: h 2,1 mm | Core: Ø 2,6 mm | Apex: Ø 1,8 mm | Thread pitch: 0,6 mm



Polished neck

Length	Code
8,0	01I3308
10,0	01I3310
11,5	01I3311
13,0	01I3313
16,0	01I3316

TTS

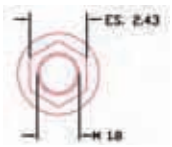
Length	Code
8,0	01I3308TTS
10,0	01I3310TTS
11,5	01I3311TTS
13,0	01I3313TTS
16,0	01I3316TTS

Recommended sequence

Pilot drill Ø 2,0	→	Twist drill Ø 2,6 *Final drill in soft bone*	→	Countersink Ø 3,5	→	Bone tap* Ø 3,3 *Only in compact bone*
DSS20S/L		DSS26S/L		CS35		CT33 / CTCA33
Max. 800 rpm		Max. 500 rpm		Max. 250 rpm		Max. 15-18 rpm

Ø 3,75

Platform: Ø 4,0 mm | Internal hex: h 2,1 mm | Core: Ø 3,0 mm | Apex: Ø 2,1 mm | Thread pitch: 0,6 mm



Polished neck

Length	Code
8,0	01I3708
10,0	01I3710
11,5	01I3711
13,0	01I3713
16,0	01I3716

TTS

Length	Code
8,0	01I3708TTS
10,0	01I3710TTS
11,5	01I3711TTS
13,0	01I3713TTS
16,0	01I3716TTS

Recommended sequence

Pilot drill Ø 2,0	→	Twist drill Ø 2,6	→	Twist drill Ø 3,2 *Final drill in soft bone*	→	Countersink Ø 4,0	→	Bone tap* Ø 3,75 *Only in compact bone*
DSS20S/L		DSS26S/L		DSS32S/L		CS40		CT37 / CTCA37
Max. 800 rpm		Max. 500 rpm		Max. 500 rpm		Max. 250 rpm		Max. 15-18 rpm

*Optional

Ø 4,5

Platform: Ø 5,0 mm | Internal hex: h 2,1 mm | Core: Ø 3,5 mm | Apex: Ø 2,7 mm | Thread pitch: 0,75 mm

Polished neck

Length	Code
8,0	01I4508
10,0	01I4510
11,5	01I4511
13,0	01I4513
16,0	01I4516

TTS

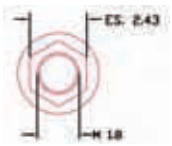
Length	Code
8,0	01I4508TTS
10,0	01I4510TTS
11,5	01I4511TTS
13,0	01I4513TTS
16,0	01I4516TTS

Recommended sequence

Pilot drill Ø 2,0	Twist drill Ø 2,6	Twist drill Ø 3,2	Twist drill Ø 3,8 *Final drill in soft bone*	Countersink Ø 5,0	Bone tap* Ø 4,5 *Only in compact bone*
DSS20S/L	DSS26S/L	DSS32S/L	DSS38S/L	CS50	CT45 / CTCA45
Max. 800 rpm	Max. 500 rpm	Max. 500 rpm	Max. 400 rpm	Max. 250 rpm	Max. 15-18 rpm

Ø 5,5

Platform: Ø 6,0 mm | Internal hex: h 2,1 mm | Core: Ø 4,5 mm | Apex: Ø 3,7 mm | Thread pitch: 0,75 mm



Polished neck

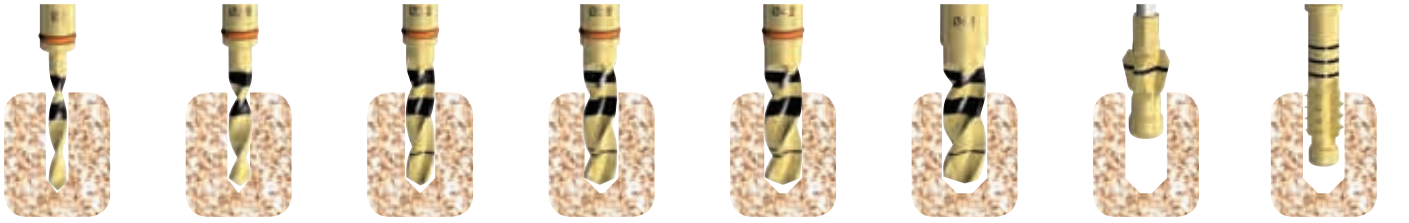
Length	Code
8,0	01I5508
10,0	01I5510
11,5	01I5511
13,0	01I5513

TTS

Length	Code
8,0	01I5508TTS
10,0	01I5510TTS
11,5	01I5511TTS
13,0	01I5513TTS

Recommended sequence

Pilot drill Ø 2,0	Twist drill Ø 2,6	Twist drill Ø 3,2	Twist drill Ø 3,8	Twist drill Ø 4,2	Twist drill Ø 4,8 *Final drill in soft bone*	Countersink Ø 6,0	Bone tap* Ø 5,5 *Only in compact bone*
DSS20S/L	DSS26S/L	DSS32S/L	DSS38S/L	DSS42S/L	DSS48S/L	CS60	CT55 / CTCA55
Max. 800 rpm	Max. 500 rpm	Max. 500 rpm	Max. 500 rpm	Max. 500 rpm	Max. 400 rpm	Max. 250 rpm	Max. 15-18 rpm

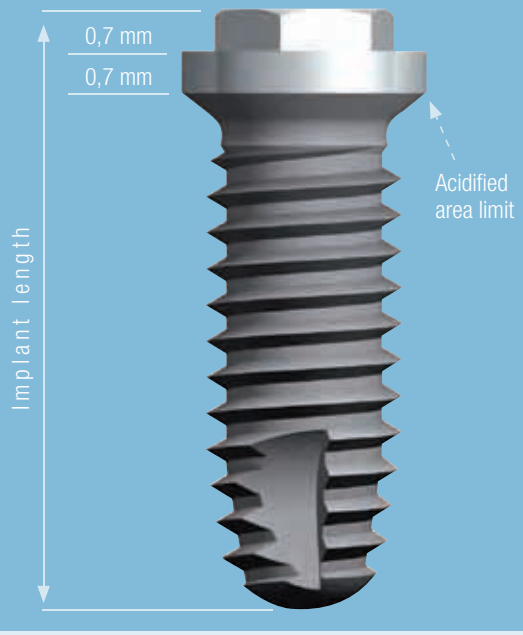


*Optional

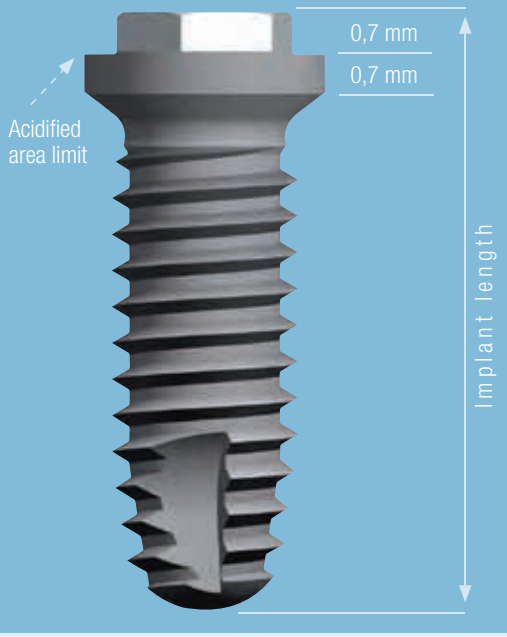
IMPLUS CYLINDRICAL

External hex

Polished Neck



TTS



Platform	Ø	Length	Code
4,1	3,3	10,0	01IX3310
		11,5	01IX3311
		13,0	01IX3313
		16,0	01IX3316
	3,75	8,0	01IX3708
		10,0	01IX3710
		11,5	01IX3711
		13,0	01IX3713
		16,0	01IX3716
		18,0	01IX3718
		20,0	01IX3720
5	5,0	8,0	01IX5008
		10,0	01IX5010
		11,5	01IX5011
		13,0	01IX5013

Platform	Ø	Length	Code
4,1	3,3	10,0	01IX3310TTS
		11,5	01IX3311TTS
		13,0	01IX3313TTS
		16,0	01IX3316TTS
	3,75	8,0	01IX3708TTS
		10,0	01IX3710TTS
		11,5	01IX3711TTS
		13,0	01IX3713TTS
		16,0	01IX3716TTS
		18,0	01IX3718TTS
		20,0	01IX3720TTS
5	5,0	8,0	01IX5008TTS
		10,0	01IX5010TTS
		11,5	01IX5011TTS
		13,0	01IX5013TTS

Note: all Implus implants have a larger platform than the implant body; that guarantees higher stability and optimum distribution of the masticatory load. This feature also prevents the sinking of the fixture in the sinus.

- Self-threading fixture in pure titanium, Grade 4
- Micro-rough surface (B.O.A.T. treatment)
- Three anti-rotation apical grooves
- Available in two models:
  -Polished neck h 0.7 mm
  -**TTS** Totally Treated Surface
- All implants are packaged with a colour coded multi-functional tool named “mount-transfer” (in titanium, Grade 5).

- Ideal for multiple implants
- Simple prosthetic components
- Optimum resistance to vertical stresses
- Ideal for upper and lower premolar and molar
- Round apex: minimum trauma during insertion

Implus implants guarantee an optimum distribution of masticatory load, thus preserving the crestal bone (bone/implant interface - critical area).

Mount-transfer

Both IMPLUS implants (with polished neck and TTS) are equipped with a transport tool that allows the surgeon to transport and position the implant in conditions of absolute sterility.

The mount-transfer is screwed on the implant through a passing screw (M 2) to be discarded after the insertion of the implant.

The upper part of the transfer has an hex ES 2.43

When using a **custom tray, the long passing screw** code PSXTL **has to be ordered separately.**

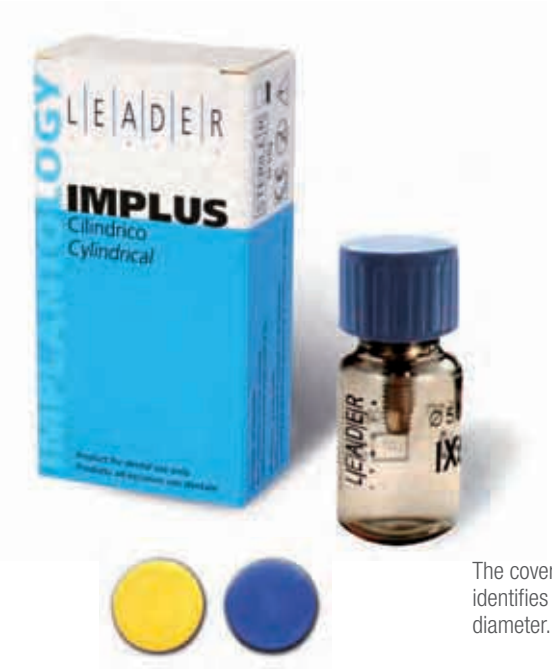
The mount-transfer is a multi-function mechanical instrument used as:

- instrument to transport the fixture from the glass vial to the implant site;
- impression transfer
- temporary abutment
- permanent abutment.

The mount-transfer is colour coded to identify the relative implant platform diameter.

Packaging

- Packaging in compliance with ISO 11607-1 and 2
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years by waterproof double packaging in airtight sealed glass vial and blister
- The packaging contains:
  Implant held by a titanium mount-transfer
  Surgical screw.



The cover colour identifies the platform diameter.

First preparation

Ø 3,3 - 3,75 - 5,0

Round dril Ø 1,9 → DS19S → Max. 1.000 rpm

Cortical drill Ø 1,8 → DSP18 → Max. 800 rpm

Ø 3,3

Platform: Ø 4,1 mm | External hex: h 0,7 mm | Neck: h 0,7 mm | Thread pitch 0,6 mm

Polished neck

Length	Code
10,0	01IX3310
11,5	01IX3311
13,0	01IX3313
16,0	01IX3316

TTS

Length	Code
10,0	01IX3310TTS
11,5	01IX3311TTS
13,0	01IX3313TTS
16,0	01IX3316TTS

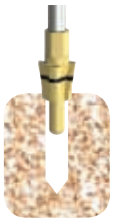
Recommended sequence

Final drill in soft bone — *Only in compact bone*

Pilot drill Ø 2,0 → DSS20S/L → Max. 800 rpm

Twist drill Ø 2,6 → DSS26S/L → Max. 500 rpm

Countersink Ø 3,3 → CSX33 → Max. 250 rpm



Bone tap* Ø 3,3 → CT33 / CTCA33 → Max. 15-18 rpm

Ø 3,75

Platform: Ø 4,1 mm | External hex: h 0,7 mm | Neck: h 0,7 mm | Thread pitch 0,6 mm

Polished neck

Length	Code
8,0	01IX3708
10,0	01IX3710
11,5	01IX3711
13,0	01IX3713
16,0	01IX3716
18,0	01IX3718
20,0	01IX3720

TTS

Length	Code
8,0	01IX3708TTS
10,0	01IX3710TTS
11,5	01IX3711TTS
13,0	01IX3713TTS
16,0	01IX3716TTS
18,0	01IX3718TTS
20,0	01IX3720TTS

Recommended sequence

Final drill in soft bone — *Only in compact bone*

Pilot drill Ø 2,0 → DSS20S/L → Max. 800 rpm

Twist drill Ø 2,6 → DSS26S/L → Max. 500 rpm

Twist drill Ø 3,2 → DSS32S/L → Max. 500 rpm

Countersink Ø 4,0 → CSX40 → Max. 250 rpm

Bone tap* Ø 3,75 → CT37 / CTCA37 → Max. 15-18 rpm

*Optional

Ø 5,0

Platform: Ø 5,0 mm | External hex: h 0,7 mm | Neck: h 0,7 mm | Thread pitch: 0,75 mm

Polished neck

Length	Code
8,0	**01IX5008**
10,0	**01IX5010**
11,5	**01IX5011**
13,0	**01IX5013**

TTS

Length	Code
8,0	**01IX5008TTS**
10,0	**01IX5010TTS**
11,5	**01IX5011TTS**
13,0	**01IX5013TTS**

Recommended sequence

Final drill in soft bone

Only in compact bone

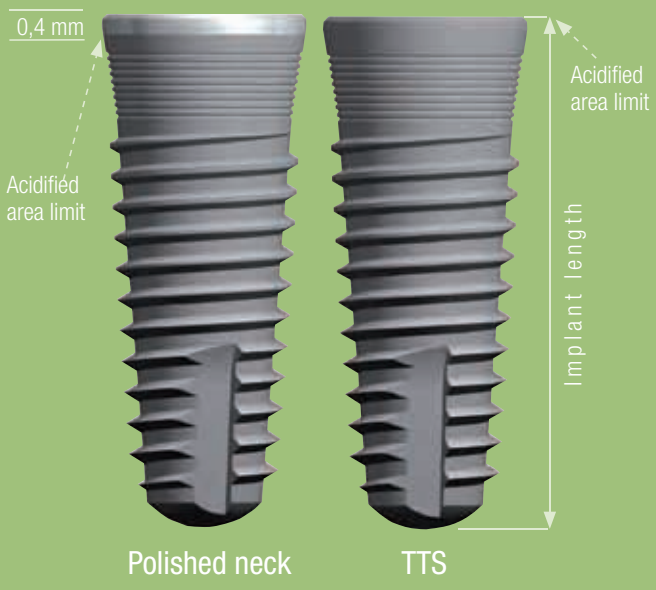
Pilot drill Ø 2,0	Twist drill Ø 2,6	Twist drill Ø 3,2	Twist drill Ø 3,8	Twist drill Ø 4,2	Bone tap* Ø 5,0
DSS20S/L	DSS26S/L	DSS32S/L	DSS38S/L	DSS42S/L	CT50 / CTCA50
Max. 800 rpm	Max. 500 rpm	Max. 500 rpm	Max. 400 rpm	Max. 400 rpm	Max. 15-18 rpm

*Optional

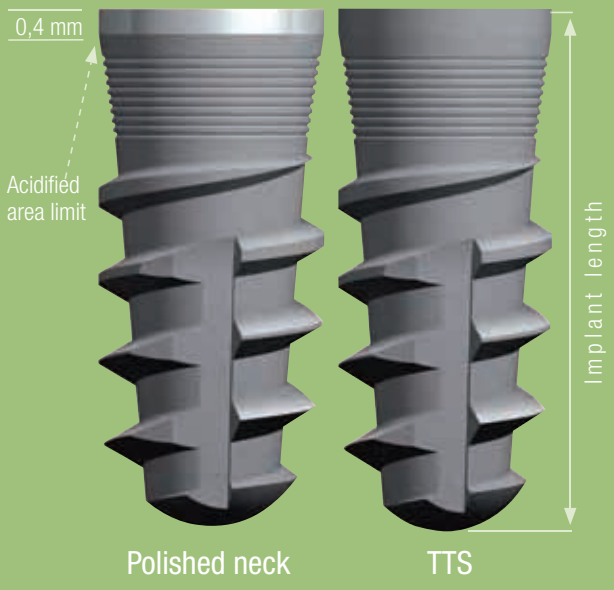
IMPLUS TAPERED

Internal hex

Narrow thread



Wide thread



Narrow thread
Ideal for:
- surgical sites with D1-D2 bone type and adjacent teeth with converging roots-
- split crest in lower jaw.

Platform	Ø	Length	Polished neck Code	TTS Code
4,0	3,75	10,0	01IC3710	01IC3710TTS
		11,5	01IC3711	01IC3711TTS
		13,0	01IC3713	01IC3713TTS
		16,0	01IC3716	01IC3716TTS
5,0	4,75	10,0	01IC4710	01IC4710TTS
		11,5	01IC4711	01IC4711TTS
		13,0	01IC4713	01IC4713TTS
		16,0	01IC4716	01IC4716TTS
6,0	5,75	10,0	01IC5710	01IC5710TTS
		11,5	01IC5711	01IC5711TTS
		13,0	01IC5713	01IC5713TTS

Wide thread
Ideal for:
- D3-D4 bone quality
- post-extraction sites
- sinus lift
- split crest in the upper jaw

Platform	Ø	Length	Polished neck Code	TTS Code
4,0	4,0	8,0	01IC4008	01IC4008TTS
		10,0	01IC4010	01IC4010TTS
		11,5	01IC4011	01IC4011TTS
		13,0	01IC4013	01IC4013TTS
		16,0	01IC4016	01IC4016TTS
5,0	5,0	8,0	01IC5008	01IC5008TTS
		10,0	01IC5010	01IC5010TTS
		11,5	01IC5011	01IC5011TTS
		13,0	01IC5013	01IC5013TTS
		16,0	01IC5016	01IC5016TTS
6,0	6,0	8,0	01IC6008	01IC6008TTS
		10,0	01IC6010	01IC6010TTS
		11,5	01IC6011	01IC6011TTS
		13,0	01IC6013	01IC6013TTS

Note: all Implus implants have a larger platform than the implant body; that guarantees higher stability and optimum distribution of the masticatory load. This feature also prevents the sinking of the fixture in the sinus.

- Self-threading fixture in pure titanium, Grade 4
- Micro-rough surface (B.O.A.T. treatment)
- Three anti-rotation apical grooves
- Available in two models:
  -Polished neck h 0.4 mm
  -**TTS** Totally Treated Surface
- All implants are packaged with a colour coded multi-functional tool named “mount-transfer” (in titanium, Grade 5).

- Ideal for mono implant.
- Very aesthetic
- High anti-rotation value at the abutment/implant interface
- Great resistance to horizontal stresses
- Ideal for central and lateral upper and lower
- Round apex: minimum trauma during insertion

Implus implants guarantee an optimum distribution of masticatory load, thus preserving the crestal bone (bone/implant interface - critical area).

Mount-transfer

Both IMPLUS implants (with polished neck and TTS) are equipped with a transport tool that allows the surgeon to transport and position the implant in conditions of absolute sterility.

The mount-transfer is screwed on the implant through a passing screw (M1,8) to be discarded after the insertion of the implant.

The upper part of the transfer has an hex ES 2.43

When using a **custom tray, the long passing screw** code PSTL **has to be ordered separately.**

The mount-transfer is a multi-function mechanical instrument used as:

- instrument to transport the fixture from the glass vial to the implant site;
- impression transfer
- temporary abutment
- permanent abutment.

The mount-transfer is colour coded to identify the relative implant platform diameter.

Packaging

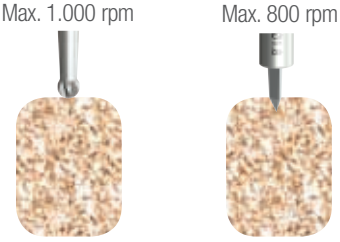
- Packaging in compliance with ISO 11607-1 and 2
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years by waterproof double packaging in airtight sealed glass vial and blister
- The packaging contains:
  Implant held by a titanium mount-transfer
  Surgical screw.

The cover colour identifies the platform diameter.

First preparation

Ø 3,75 - 4,75 - 5,75

Round dril Ø 1,9	→	Cortical drill Ø 1,8
DS19S		DSP18
Max. 1.000 rpm		Max. 800 rpm



Ø 3,75

Platform: Ø 4,0 mm

Internal hex: h 2,1 mm

Body: Gradually tapered

Thread pitch: 0,6 mm

Tapered apex: Ø 2,25 mm

Polished neck

Length	Code
10,0	**01IC3710**
11,5	**01IC3711**
13,0	**01IC3713**
16,0	**01IC3716**

TTS

Length	Code
10,0	**01IC3710TTS**
11,5	**01IC3711TTS**
13,0	**01IC3713TTS**
16,0	**01IC3716TTS**

Recommended sequence

Pilot drill Ø 2,0	→	Twist drill Ø 2,3	→	*Only in soft bone* Exp. Osteotome Ø 4,0	→	*Only in compact bone* Twist drill Ø 3,2	→	Countersink [1] Ø 4,0
DSS20S/L		DSS23S/L		OE4008		DSS32S/L		CS40
Max. 800 rpm		Max. 500 rpm		OE4010		Max. 500 rpm		Max. 250 rpm
				OE4011				
				OE4013				
				OE4016				

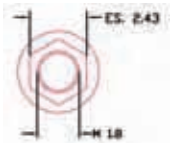
Depth only 5 mm

Depth only 1 mm

[1] In case of poor bone quality (D4) **the countersink has not to be used** because it could remove the marginal crestal bone available, increasing the gap between the interface bone-implant.

Ø 4,75

Platform: Ø 5,0 mm | Internal hex: h 2,1 mm | Body: Gradually tapered | Thread pitch: 0,75 mm | Tapered apex: Ø 2,75 mm



Polished neck

Length	Code
10,0	**01IC4710**
11,5	**01IC4711**
13,0	**01IC4713**
16,0	**01IC4716**

TTS

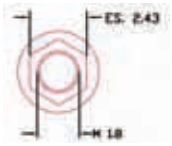
Length	Code
10,0	**01IC4710TTS**
11,5	**01IC4711TTS**
13,0	**01IC4713TTS**
16,0	**01IC4716TTS**

Recommended sequence

Pilot drill Ø 2,0	Twist drill Ø 2,8	Twist drill Ø 3,2	*Only in soft bone* Exp. Osteotome Ø 5,0	*Only in compact bone* Twist drill Ø 3,8	Countersink [1] Ø 5,0
DSS20S/L	DSS28S/L	DSS32S/L	OE5008	DSS38S/L	CS50
Max. 800 rpm	Max. 500 rpm	Max. 500 rpm	OE5010	Max. 400 rpm	Max. 250 rpm
		 Depth only 5 mm	OE5011	 Depth only 5 mm	 Depth only 1 mm
			OE5013		
			OE5016		

Ø 5,75

Platform: Ø 6,0 mm | Internal hex: h 2,1 mm | Body: Gradually tapered | Thread pitch: 0,75 mm | Tapered apex: Ø 3,75 mm



Polished neck

Length	Code
10,0	**01IC5710**
11,5	**01IC5711**
13,0	**01IC5713**

TTS

Length	Code
10,0	**01IC5710TTS**
11,5	**01IC5711TTS**
13,0	**01IC5713TTS**

Recommended sequence

Pilot drill Ø 2,0	Twist drill Ø 2,6	Twist drill Ø 3,2	Twist drill Ø 3,8	*Only in soft bone* Exp. Osteotome Ø 6,0	*Only in compact bone* Twist drill Ø 4,2	Twist drill Ø 4,8	Countersink [1] Ø 6,0
DSS20S/L	DSS26S/L	DSS32S/L	DSS38S/L	OE6010	DSS42S/L	DSS48S/L	CS60
Max. 800 rpm	Max. 500 rpm	Max. 500 rpm	Max. 500 rpm	OE6011	Max. 500 rpm	Max. 400 rpm	Max. 250 rpm
				OE6013	 Depth only 5 mm	 Depth only 5 mm	 Depth only 1 mm

The technical suggestions reported in this catalogue can under no circumstances substitute the clinical evaluations and therapeutic indications that are of exclusive competence of the Dentist.

First preparation

Ø 4,0 - 5,0 - 6,0

Round drill Ø 1,9	→	Cortical drill Ø 1,8
DS19S		DSP18
Max. 1.000 rpm		Max. 800 rpm

Ø 4,0

Platform: Ø 4,0 mm | Internal hex: h 2,1 mm | Body: Gradually tapered | Thread pitch: 1,3 mm | Tapered apex: Ø 2,25 mm

Polished neck

Length	Code
8,0	**01IC4008**
10,0	**01IC4010**
11,5	**01IC4011**
13,0	**01IC4013**
16,0	**01IC4016**

TTS

Length	Code
8,0	**01IC4008TTS**
10,0	**01IC4010TTS**
11,5	**01IC4011TTS**
13,0	**01IC4013TTS**
16,0	**01IC4016TTS**

Recommended sequence

Pilot drill Ø 2,0	→	Twist drill Ø 2,3	→	*Only in soft bone* Exp. Osteotome Ø 4,0	→	*Only in compact bone* Twist drill Ø 3,2	→	Countersink [1] Ø 4,0
DSS20S/L		DSS23S/L		OE4008		DSS32S/L		CS40
Max. 800 rpm		Max. 500 rpm		OE4010		Max. 500 rpm		Max. 250 rpm
				OE4011				
				OE4013				
				OE4016				

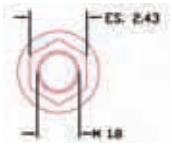
Depth only 5 mm

Depth only 1 mm

[1] In case of poor bone quality (D4) **the countersink has not to be used** because it could remove the marginal crestal bone available, increasing the gap between the interface bone-implant.

Ø 5,0

Platform: Ø 5,0 mm | Internal hex: h 2,1 mm | Body: Gradually tapered | Thread pitch: 1,5 mm | Tapered apex: Ø 2,75 mm



Polished neck

Length	Code
8,0	01IC5008
10,0	01IC5010
11,5	01IC5011
13,0	01IC5013
16,0	01IC5016

TTS

Length	Code
8,0	01IC5008TTS
10,0	01IC5010TTS
11,5	01IC5011TTS
13,0	01IC5013TTS
16,0	01IC5016TTS

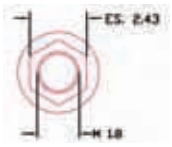
Recommended sequence

Pilot drill Ø 2,0	Twist drill Ø 2,8	Twist drill Ø 3,2	*Only in soft bone* Exp. Osteotome Ø 5,0	*Only in compact bone* Twist drill Ø 3,8	Countersink [1] Ø 5,0
DSS20S/L	DSS28S/L	DSS32S/L	OE5008	DSS38S/L	CS50
Max. 800 rpm	Max. 500 rpm	Max. 500 rpm	OE5010	Max. 400 rpm	Max. 250 rpm
			OE5011		
			OE5013		
			OE5016		

Depth only 5 mm — Depth only 5 mm — Depth only 1 mm

Ø 6,0

Platform: Ø 6,0 mm | Internal hex: h 2,1 mm | Body: Gradually tapered | Thread pitch: 1,5 mm | Tapered apex: Ø 3,75 mm



Polished neck

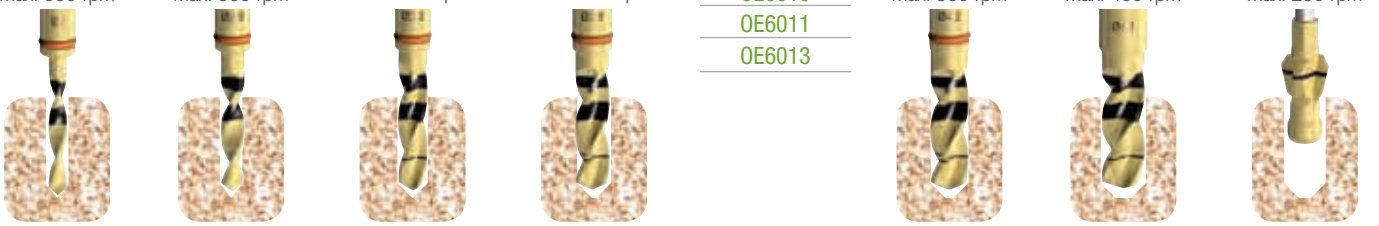
Length	Code
8,0	01IC6008
10,0	01IC6010
11,5	01IC6011
13,0	01IC6013

TTS

Length	Code
8,0	01IC6008TTS
10,0	01IC6010TTS
11,5	01IC6011TTS
13,06	01IC6013TTS

Recommended sequence

Pilot drill Ø 2,0	Twist drill Ø 2,6	Twist drill Ø 3,2	Twist drill Ø 3,8	*Only in soft bone* Exp. Osteotome Ø 6,0	*Only in compact bone* Twist drill Ø 4,2	Twist drill Ø 4,8	Countersink [1] Ø 6,0
DSS20S/L	DSS26S/L	DSS32S/L	DSS38S/L	OE6008	DSS42S/L	DSS48S/L	CS60
Max. 800 rpm	Max. 500 rpm	Max. 500 rpm	Max. 500 rpm	OE6010	Max. 500 rpm	Max. 400 rpm	Max. 250 rpm
				OE6011			
				OE6013			

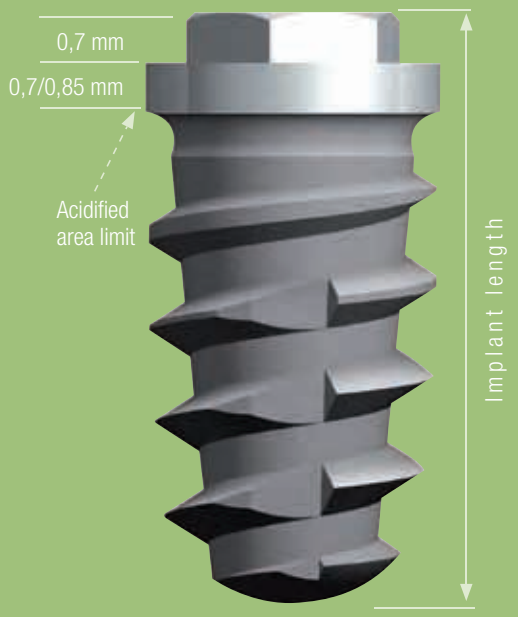


Depth only 5 mm — Depth only 5 mm — Depth only 1 mm

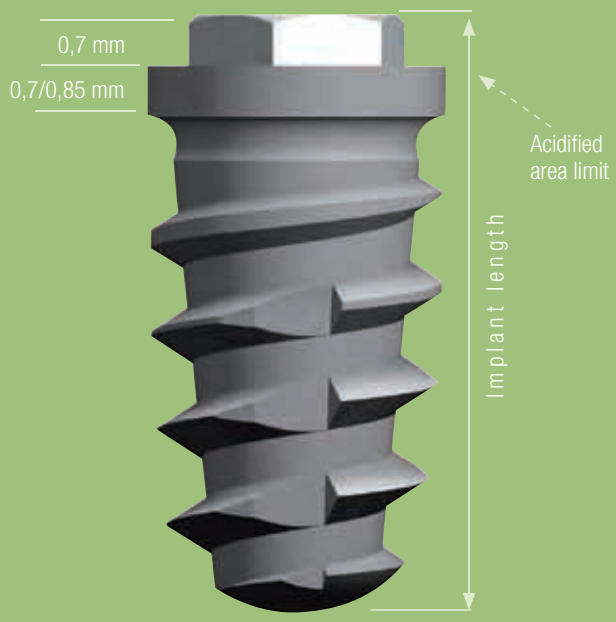
IMPLUS TAPERED

External hex

Wide thread



Polished neck



TTS

Platform	Ø	Length	Code
4,1	4,0	8,0	01ICX4008
		10,0	01ICX4010
		11,5	01ICX4011
		13,0	01ICX4013
		16,0	01ICX4016
5,0	5,0	8,0	01ICX5008
		10,0	01ICX5010
		11,5	01ICX5011
		13,0	01ICX5013

Platform	Ø	Length	Code
4,1	4,0	8,0	01ICX4008TTS
		10,0	01ICX4010TTS
		11,5	01ICX4011TTS
		13,0	01ICX4013TTS
		16,0	01ICX4016TTS
5,0	5,0	8,0	01ICX5008TTS
		10,0	01ICX5010TTS
		11,5	01ICX5011TTS
		13,0	01ICX5013TTS

Note: all Implus implants have a larger platform than the implant body; that guarantees higher stability and optimum distribution of the masticatory load. This feature also prevents the sinking of the fixture in the sinus.

- Self-threading fixture in pure titanium, Grade 4
- Micro-rough surface (B.O.A.T. treatment)
- Three anti-rotation apical grooves
- Available in two models:
  -Polished neck
  -**TTS** Totally Treated Surface
- All implants are packaged with a colour coded multi-functional tool named “mount-transfer” (in titanium, Grade 5).

- Ideal for multiple implants
- Simple prosthetic components
- Optimum resistance to vertical stresses
- Ideal for post-extraction sites

Implus implants guarantee an optimum distribution of masticatory load, thus preserving the crestal bone (bone/implant interface - critical area).

Mount-transfer

Both IMPLUS implants (with polished neck and TTS) are equipped with a transport tool that allows the surgeon to transport and position the implant in conditions of absolute sterility.

The mount-transfer is screwed on the implant through a passing screw (M 2) to be discarded after the insertion of the implant.

The upper part of the transfer has an hex ES 2.43

When using a **custom tray, the long passing screw** code PSXTL **has to be ordered separately.**

The mount-transfer is a multi-function mechanical instrument used as:

- instrument to transport the fixture from the glass vial to the implant site;
- impression transfer
- temporary abutment
- permanent abutment.

The mount-transfer is colour coded to identify the relative implant platform diameter.

Packaging

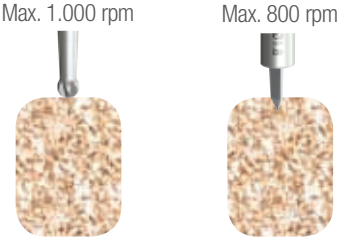
- Packaging in compliance with ISO 11607-1 and 2
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years by waterproof double packaging in airtight sealed glass vial and blister
- The packaging contains:
  Implant held by a titanium mount-transfer
  Surgical screw.

The cover colour identifies the platform diameter.

First preparation

Ø 3,75 - 4,75 - 5,75

Round drill Ø 1,9	→	Cortical drill Ø 1,8
DS19S		DSP18
Max. 1.000 rpm		Max. 800 rpm



Ø 4,0 — Platform: Ø 4,1 mm

External hex: h 0,7 mm | Neck: h 0,7 mm | Body: Gradually tapered | Thread pitch: 1,3 mm | Tapered apex: Ø 2,25 mm

Polished neck

Length	Code
8,0	**01ICX4008**
10,0	**01ICX4010**
11,5	**01ICX4011**
13,0	**01ICX4013**
16,0	**01ICX4016**

TTS

Length	Code
8,0	**01ICX4008TTS**
10,0	**01ICX4010TTS**
11,5	**01ICX4011TTS**
13,0	**01ICX4013TTS**
16,0	**01ICX4016TTS**

Recommended sequence

Pilot drill Ø 2,0	→	Twist drill Ø 2,3	→	*Only in soft bone* Exp. Osteotome Ø 4,0	→	*Only in compact bone* Twist drill Ø 3,2	→	Countersink [1] Ø 4,0
DSS20S/L		DSS23S/L		OE4008		DSS32S/L		CSX40
Max. 800 rpm		Max. 500 rpm		OE4010		Max. 500 rpm		Max. 250 rpm
				OE4011				
				OE4013				
				OE4016				

Depth only 5 mm

Depth only 1 mm

[1] In case of poor bone quality (D4) **the countersink has not to be used** because it could remove the marginal crestal bone available, increasing the gap between the interface bone-implant.

Ø 5,0	Platform: Ø 5,0 mm	External hex: h 0,7 mm	Neck: h 0,85 mm	Body: Gradually tapered	Thread pitch: 1,6 mm	Tapered apex: Ø 2,75 mm

Polished neck

Length	Code
8,0	**01ICX5008**
10,0	**01ICX5010**
11,5	**01ICX5011**
13,0	**01ICX5013**

TTS

Length	Code
8,0	**01ICX5008TTS**
10,0	**01ICX5010TTS**
11,5	**01ICX5011TTS**
13,0	**01ICX5013TTS**

Recommended sequence

Pilot drill Ø 2,0	Twist drill Ø 2,8	Twist drill Ø 3,2	*Only in soft bone* Exp. Osteotome Ø 5,0	*Only in compact bone* Twist drill Ø 3,8	Countersink [1] Ø 5,0
DSS20S/L	DSS28S/L	DSS32S/L	OE5008	DSS38S/L	CS50
Max. 800 rpm	Max. 500 rpm	Max. 500 rpm	OE5010	Max. 400 rpm	Max. 250 rpm
		 Depth only 5 mm	OE5011	 Depth only 5 mm	 Depth only 1 mm
			OE5013		
			OE5016		

Preparation drills

Tissue Punches

Gr 5 titanium.

Ø 4,5 mm

01MTCA45

Ø 6,0 mm

01MTCA60

Round drill

Surgical steel.

Ø 1,9 mm

11DS19S

Cortical Drill

Surgical steel. Used to precisely drill the cortical bone.

Ø 1,8 mm

05DSP18

Ø 2,3 mm

05DSP

"Unica" Twist drill, in surgical steel with stops

Short 34,5 mm | Long 40,5 mm

Surgical steel, TiN coated. Working length: 16.5 mm. Max. use: 10 site preparations.

Use of Twist drills with stops

They are used with the stops applied at the desired length, matching the implant one. They are also laser marked, so that they can be used also without stops.

The "Unica" drill can be used for the whole range of Leader Italia implants.

Length
34,5 mm
40,5 mm

Ø 1,8 mm

05DSS18S
05DSS18L

Ø 2,0 mm (pilot)

05DSS20S
05DSS20L

Ø 2,3 mm

05DSS23S
05DSS23L

Ø 2,6 mm

05DSS26S
05DSS26L

34,5 mm
40,5 mm

Ø 2,8 mm

05DSS28S
05DSS28L

Ø 3,0 mm

05DSS30S
05DSS30L

Ø 3,2 mm

05DSS32S
05DSS32L

Ø 3,5 mm

05DSS35S
05DSS35L

34,5 mm
40,5 mm

Ø 3,8 mm

05DSS38S
05DSS38L

Ø 4,2 mm

05DSS42S
05DSS42L

Ø 4,5 mm

05DSS45S

Use without stop

Ø 4,8 mm

05DSS48S
05DSS48L

Use without stop

NOTE We recommend to replace the o-rings frequently, since they are susceptible to wear due to frequent sterilization cycles.

Calibrated stops

In gr 5 titanium. They are applied on the drill to reach the desired working length.
They are very useful when working near sensible areas such as lower alveolar site and upper sinus.

For drills with Ø	1,8 - 2,0 - 2,3	2,6 - 2,8 - 3,0 - 3,2	3,5 - 3,8 - 4,2
Height			
5 mm	05STP182005	05STP263205	05STP384205
8 mm	05STP182008	05STP263208	05STP384208
10 mm	05STP182010	05STP263210	05STP384210
11,5 mm	05STP182011	05STP263211	05STP384211
13 mm	05STP182013	05STP263213	05STP384213

Calibrated stop kits

Pkg. 4 pcs: h 8-10-11,5-13 mm

For drills with Ø	1,8 - 2,0 - 2,3	2,6 - 2,8 - 3,0 - 3,2	3,5 - 3,8 - 4,2
	05STPK1	05STPK2	05STPK3

Pkg. 3 pcs: h 5 mm

For drills with Ø	1,8 to 4,2
	05STPK4

Bone taps

Max. speed 15-18 rpm

Gr 5 titanium. Used to facilitate the screwing of the implant in compact bone

	Ø 3,3 mm [1]	Ø 3,7 mm	Ø 4,5 mm
Manual	01CT33	01CT37	01CT45
Contra-angles	01CTCA33	01CTCA37	01CTCA45

	Ø 5,0 mm	Ø 5,5 mm
Manual	01CT50	01CT55
Contra-angles	01CTCA50	01CTCA55

[1] For cylindrical implants only

Accessories for Bone Taps

Connections

To use the bone taps with the manual ratchet code 01TW.

Standard **01TCM**
Short **01TCMS**

Accessories for all drills

Extension tool

Surgical steel, DLC coated. For all drills.

01TEXT

Countersink

Max. speed 250 rpm

Gr 5 titanium. They are essential to avoid creating pressure at the cortical bone dueing the insertion of the implant neck.

Ø 3,5 mm (1)

01CS35
Ø 3,3

01CSX33
Ø 3,3
For external hex implants

Ø 4,0 mm

01CS40
Ø 3,75 - Ø 4,0 (2)

01CSX40 (1)
Ø 3,75 - Ø 4,0 (2)
For external hex implants

Ø 5,0 mm

01CS5
Ø 4,5 (1) - Ø 4,75/5 (2)

Ø 6,0 mm

01CS60
Ø 5,5 (1) - Ø 5,75/6 (2)

(1) For cylindrical implants only
(2) For tapered implants only

Expanding Osteotomes

With convex end, they are used for ridge expansion

Gr 5 titanium. Each instrument works at the marked depth.

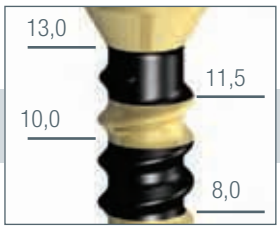
Markings height	Ø 4,0 mm	Ø 5,0 mm	Ø 6,0 mm
8 mm	010E4008	010E5008	010E6008
10 mm	010E4010	010E5010	010E6010
11 mm	010E4011	010E5011	010E6011
13 mm	010E4013	010E5013	010E6013
16 mm	010E4016	010E5016	

Compacting Osteotomes

With concave end, they are used for mini sinus lift

Gr 5 titanium. Each instrument works at the marked depth.

Markings height	Ø 4,0 mm	Ø 5,0 mm
8 mm	010C4008	010C5008
10 mm	010C4010	010C5010
11 mm	010C4011	010C5011
13 mm	010C4013	010C5013
16 mm	010C4016	010C5016



Bone expander

Gr. 5 titanium, nitrided. Working length (depth)13 mm.
The black, well visible markings, indicate the working depth.

Markings height
13,0 mm
11,5 mm
10,0 mm
8,0 mm

Ø 2,0 mm
010BE20

Ø 2,3 mm
010BE23

Ø 2,6 mm
010BE26

Ø 2,8 mm
010BE28

Markings height
13,0 mm
11,5 mm
10,0 mm
8,0 mm

Ø 3,2 mm
010BE32

Ø 3,6 mm
010BE36

Ø 4,2 mm
010BE42

Ø 4,4 mm
010BE44

Accessories for bone expanders

Connections Surgical steel

Contra-angle
ES 3,5 mm

01TLCBE

To use the bone expanders with contra-angle: max speed 15-20 rpm

Ratchet
ES 3,5 mm

01CTEX

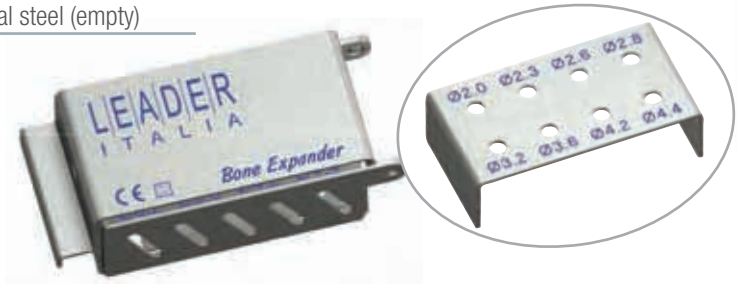
Screwdriver Surgical steel

ES 3,5 mm

01TLBE

Box Surgical steel (empty)

07V0BE



Trephines

For intraoral bone extraction and/or for osseointegrated implant removal.

In surgical steel. Thanks to lateral holes they allow the easy extraction of the obtained bone core.

Markings
8-13 mm
15-18 mm

Ø 3,6/4,6 mm
11DSTB368/13
11DSTB3615/18

Ø 4,1/5,1 mm
11DSTB418/13
11DSTB4115/18

Ø 5,1/6,1 mm
11DSTB518/13
11DSTB5115/18

Ø 6,1/7,1 mm
11DSTB618/13
11DSTB6115/18

Universal drivers for surgery and prosthetic

In steel, DLC coated.
Hex section, rotating head.

Length (L) mm
Long: 16,60
Short: 11,60

ES 1,25 mm

01TLMR12L
01TLMR12S

Driver for frictioning passing screw

In steel DLC coated.
Hex section, rotating head.

Length (L) mm
14,10

ES 1,60 mm

01TLMR16S

For PSF frictioning screw only

Connections

For ratchet (for implants)

In steel, DLC coated. Hex section.

Length (L) mm
X-short 12,50
Short 18,00
Long 25,00

ES 2,45 mm[1]

01TW24XS
01TW24S
01TW24L

Frictioning ES 2,45 mm[2]

01TWF24XS
01TWF24S
01TWF24L

[1] To screw the implant in.
[2] Only to carry the implant from the glass vial to the surgical site: **do not use to screw the implant in.**

For torque ratchet (for passing screws)

In steel, DLC coated. Hex section.

Length (L) mm
23,00 mm

ES 1,25 mm

01TW12L
Cylindrical screw

The cylindrical screw has to be fixed at 25-30 Ncm

Length (L) mm
22,00 mm

ES 1,6 mm

01TW16L
Tapered screw (PSF / PSXF)

The tapered screw has to be fixed at 35 Ncm

Mechanical insertion of the fixture

For contra-angle

In steel, DLC coated. Hex section. Max speed. 15 rpm

Length (L) mm
Short 22,50
Long 27,50

ES 2,45 mm

01TLCA245S
01TLCA245L

Frictioning ES 2,45 mm

01TLCAF245S
01TLCAF245L

At the end that is inserted on the contra-angle, the connection can stand a torque up to 90-100 Ncm; above 120-130 Ncm it breaks.
The hex breaks at 250 Ncm (the frictioning one breaks at 70-80 Ncm when wrongly inserted).

For surgery and prosthetic [1]

In steel, DLC coated. Hex section.

Length (L) mm
Short 22,00
Long 27,00

ES 1,25 mm

01TLCA125S
01TLCA125L
Cylindrical screw

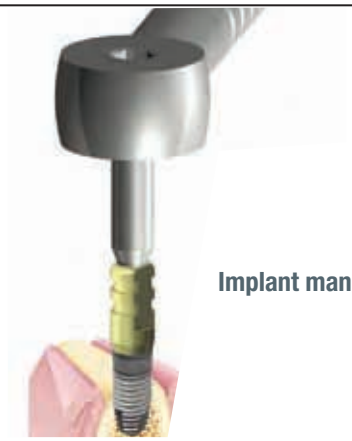
Length (L)
27,00 mm

ES 1,6 mm

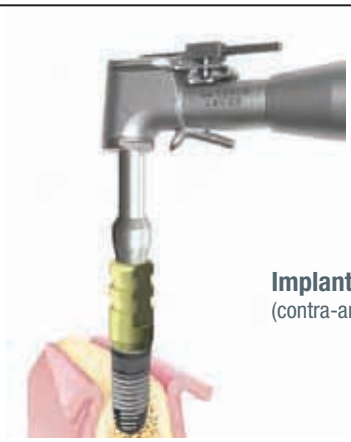
01TLCA16L
Tapered screw (PSF / PSXF)

To fix the passing screw mechanically, use low speed:
Max. speed 15 rpm

[1] For cover screw, healing screw and passing screws of abutments



Implant manual insertion



Implant mechanical insertion
(contra-angle speed 15-18 rpm)

Accessories

Tweezers

01SATT

Alveolar probe

01SAP1

The round tip allows the automatic check of the site and respects the maxillary sinus

Paralleling Pins Ø 2/3,2

01PN4 Pack. 4 pcs
01PN2 Pack. 2 pcs

Ratchet

01TW

Manual digma

01TLM

Open wrenches

01T45
01T50
01T60

To be used with driver Ø 1,25 for mount-transfer removal, avoiding implant trauma

Titanium tanks

Empty  **01SAT1**

2 holes  **01SAT2**

Torque ratchet for Newton torque control device

01TW1

Code 01ZNW
Newton
Torque Control Device
see page 31

Surgical accessories

Titanium grid

01SAT603

In gr 1 titanium, it is Ideal to support the membrane in guided regeneration.

Dimensions 60x30 cm
Thikness 0.2 mm
Holes Ø 1,5 mm
Pitch 5 mm

Grid screws

Length	
5 mm	**01PN1455/5**
7 mm	**01PN1457/5**
9 mm	**01PN1459/5**
11 mm	**01PN14511/5**
13 mm	**01PN14513/5**
Assorted pack.	**01PN145/5**

In gr 4 titanium, are used to fix membrane to the grid.
Ø 1,45 mm - Hex head Ø 1,25 mm
Pkg 5 pcs
To insert the screws, use the universal drivers 01TLMR12L/S

Drill

01DS10S

In steel, is used to prepare the surgical site of grid screw or fixing pins.

Ø 1,0 mm - Length 2,7 mm

Fixing pins

Length	
2,7 mm	**01PN2527**
3,1 mm	**01PN2531**
3,5 mm	**01PN2535**

In gr 5 titanium, are used to fix membranes.
Ø 0,55 mm - Head Ø 2,5 mm
Pkg 5 pcs

Insertion tool

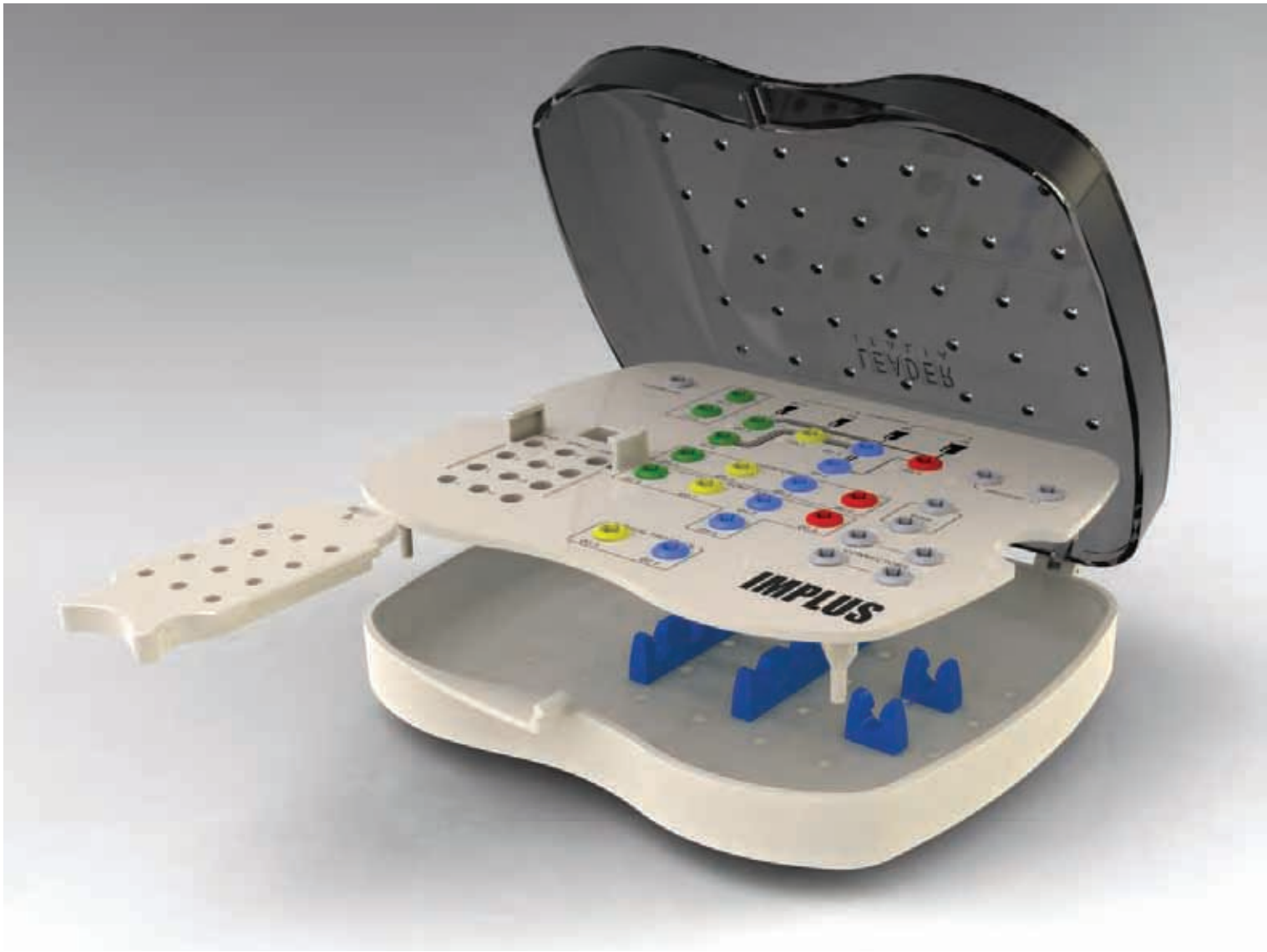
Length	
6 cm	**01PNS**
9 cm	**01PNL**

Gr 5 titanium

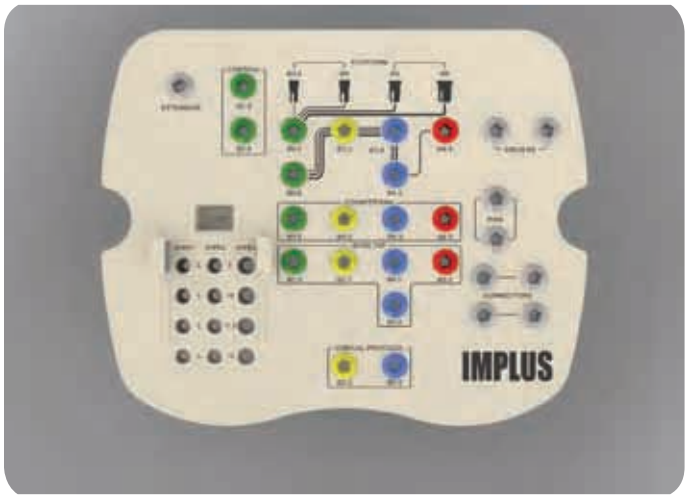
Box for membrane fixing screws and pins

01V50

In aluminium – autoclavable



Designed to easily store the surgical instruments.
The clear screen printing facilitates the identification of drills and accessories.
The handling of the instruments is very easy and comfortable, thanks to the vertical position.
The boxes are autoclavable at a temperature of 134°C/274°F at 2,1 bar for 5 minutes.



Surgical box with instrument holders (without instruments) 17V65

The boxes have been designed to contain all the necessary instruments for the whole surgical protocol for all implant diameters; They may be completed with the desired instruments (optional, to be ordered separately) - see available Kits in the tables on the next page.

COMPLETE KIT for Implus: Surgical box 17V65 + instruments set — **cod. 01VKCOMP**

	Ø mm	
Round cortical Drill	1,9	11DS19S
Cortical Drill	1,8	05DSP18
Twist Drill “Unica” (Pilot Drill), short	2,0	05DSS20S
Twist Drill “Unica”, short	2,3	05DSS23S
	2,6	05DSS26S
	2,8	05DSS28S
	3,2	05DSS32S
	3,8	05DSS38S
	4,2	05DSS42S
	4,8	05DSS48S
Stop Kit for Drill “Unica” 1,8 - 2,0 - 2,3 (4 pcs)		05STPK1
Stop Kit for Drill “Unica” 2,6 - 2,8 - 3,0 - 3,2 (4 pcs)		05STPK2
Stop Kit for Drill “Unica” 3,8 - 3,8 - 4,2 (4 pcs)		05STPK3
Extension tool		01TEXT
Countersink	3,5	01CS35
	4,0	01CS40
	5,0	01CS5
	6,0	01CS60

	Ø mm	
Bone tap, contra-angle or manual	3,3	01CTCA33/CT33
	3,7	01CTCA37/CT37
	4,5	01CTCA45/CT45
	5,0	01CTCA50/CT50
	5,5	01CTCA55/CT55
Connection for contra-angle		01TLCA245S
Frictioning connection for contra-angle		01TLCAF245S
Manual connection		01TW24S
Frictioning manual connection		01TWF24S
Driver, short	1,25	01TLMR12S
Driver, long	1,25	01TLMR12L
Paralleling pins (2 pcs)		01PN2
Manual Digma		01TLM
Ratchet		01TW
Alveolar probe		01SAP1
Open wrenches	4,5	01T45
	5,0	01T50
Tweezers		01SATT

BASIC KIT for Implus: Surgical box 17V65 + instruments set — **cod. 01VKBASIC**

	Ø mm	
Twist Drill “Unica” (Pilot Drill), short	2,0	05DSS20S
Twist Drill “Unica”, short	2,6	05DSS26S
	3,2	05DSS32S
	3,8	05DSS38S
Bone tap, manual		01CT37
Friction. connection for c/angle, short		01TLCAF245S
Manual connection, long		01TW24L
Friction. manual connection, short		01TWF24S

	Ø mm	
Driver, short	1,25	01TLMR12S
Manual Digma		01TLM
Ratchet		01TW
Alveolar probe		01SAP1
Open wrench	4,5	01T45
Tweezers		01SATT

Features of the abutment/implant connection

PSF or PSXF

Friction in the prosthetic screws could be useful ?

Friction creates a resisting force opposing to the relative sliding of two bodies. It is a function of the pressure keeping them together by a force perpendicular to the surfaces of contact. It is proportional to a friction coefficient, depending on the materials in contact. It prevents the relative sliding of two bodies.

Why does the screw loosen?

Because the friction braking effect is missing!

The loss of contact between the two surfaces (abutment screw and implant internal threading) occures when an external force is higher than the pre-load set used during abutment fixing at proper torque.
In such a case, the force will cause the loss of the contact between the thread walls of the screw and the implant. It works by a screw lengthening bigger than the one caused by the pre-load. When the force is finished, the contact between abutment and implant head is lost. The screw is now free to loosen under the effect of vibrations, then the abutment and the relative crown begin to move.

The "Morse" effect (Fig. 1)

Inserting with pressure an element with a tapered external surface in a corresponding female element that has a hole with an identical tapered design, the friction between the two tapered surfaces occures. It locks the male cone in the female one.
This locking remains efficient also when the insertion force applied is over: this is the "Morse" effect.
A suitable tapering of the cones guarantees such "locking" that will become a safe and natural engaging system for the screw that connects the abutment to the implant.

The connection with "self-locking tapered screw"

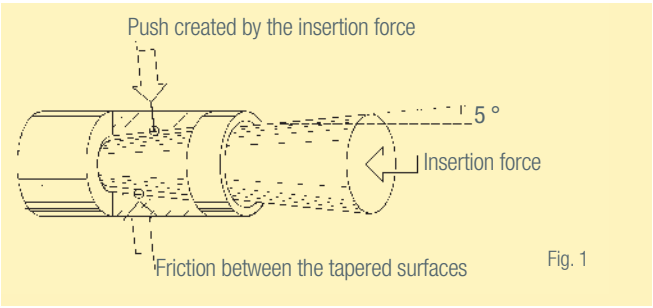


Fig. 1

Advantages of the tapered screw

- High mechanical stability
- Usable with all types of implants
- The thread and the screw-in cavity of the head are dimensioned to resist to torque loads of more than 50Ncm
- Definite breakage area in case of accidental breakage
- Limited costs of the system

The screw with self-locking tapered head

The screw with self-locking tapered head is different from the traditional screw because of the tapered design of part of its vertical surface. Moreover, the abutment has a seat with the same tapering in the hole for the connection screw. The taper of the cones is 5° (Fig. 2).
The screw must be fixed at 35 Ncm.
The tests carried out did not report any screw breakage, even when applying a torque up to 90 Ncm.
The auto-locking tapered screw has an elasticity limit of 950 N. This occures because the screw has a diameter 1.8 mm and is made of grade 5 titanium. Consequently, the screw can withstand axial loads up to its elastic limit without permanent deformations and loosenings.

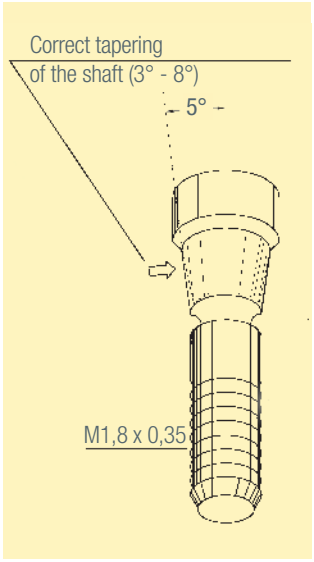
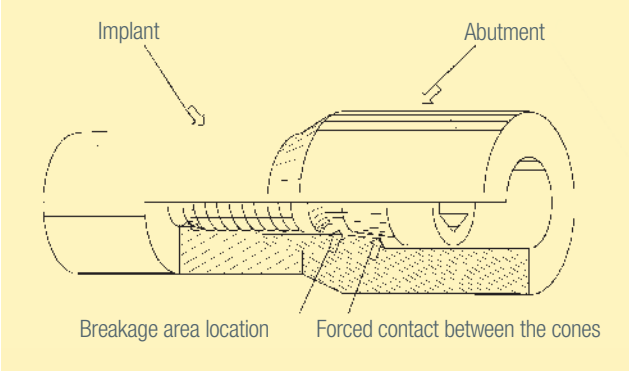


Fig. 2

How the auto-locking Morse effect is formed on the tapered screw

Obviously, in case occasional forces charged the screw with a higher load than its resistance, the screw would break. To face such event, a specific breakage area has been foreseen well outside the implant thread. It allows an easy extraction of the broken piece remained in the implant (Fig.3).



Newton

Torque control device.

Newton

01ZNW

The package includes:
- Newton torque control device
- Dynamometric wrench (code 01TW1),
- 2 steel connections (code 01TW12L - 01TW16L)

Tightening screws

All dynamometric wrenches can lose their adjustment during sterilization and lubrication cycles, so they require to be adjusted again before use, in order to avoid to apply a wrong torque.
To register the wrench precisely to the desired torque, the professionals would need a proper device dedicated to this operation.

NEWTON torque control system offers the clinician one fundamental advantage compared to other devices: with **just one dynamometric wrench** (and a lower cost) the dentist can decide to **tighten the screw in a range of 5 - 60 Ncm**, simply rotating the torque adjustment knob, using the graduated support of Newton device.

NEWTON torque control device enables the ratchet setting to any value between 10 and 50 Ncm; it **guarantees high precision** since it works basing on the relation between the metallic weight, the length of pin inserted in the metallic wheel, the angle of the metallic wheel and the force of gravity.

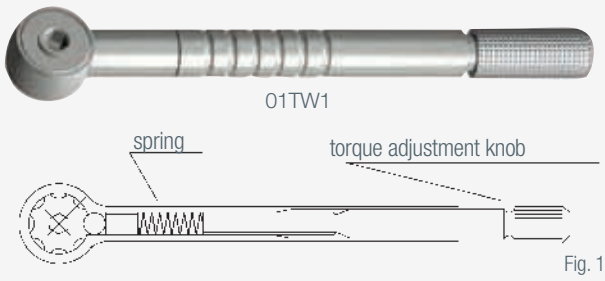


Fig. 1

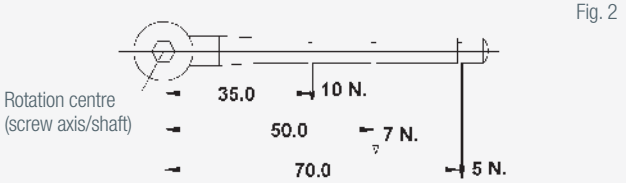
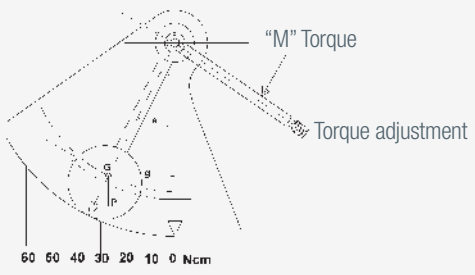


Fig. 2

1 Kg = 9.81 Newton
Torque = Tightening force obtained by force (weight) x distance from the rotation axis/shaft
In all the three described cases, the applied torque is 350 Nmm = 35 Ncm

Fig. 3

Ratchet registration for the desired torque

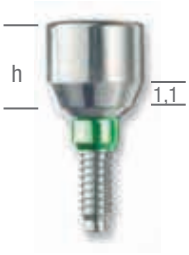


M Torque = P x g = 35 N cm

When reaching the value "M" the ratchet releases and the indicator shows the value.

Cylindrical Ø 3,3

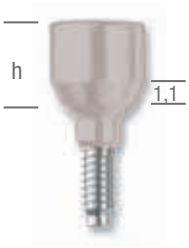
NOTE: All prosthetic components are available also in packaging of 10 pcs; ordering code ...../10



Healing screws

- Titanium gr 5
- Different heights

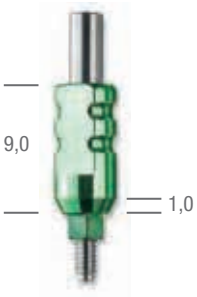
Height (h)	Transmucous Ø	Code	Packaging
2 mm	4,5 mm	**01HC332**	1 piece
3 mm	4,5 mm	**01HC333**	1 piece
4 mm	4,5 mm	**01HC334**	1 piece
5 mm	4,5 mm	**01HC335**	1 piece
6 mm	4,5 mm	**01HC336**	1 piece
7 mm	4,5 mm	**01HC337**	1 piece



TECAPEEK Healing screws

- Aesthetic
- Biocompatible
- Inhibition to bacterial attack
- Chemical inertia
- Autoclavable
- Passing screw

Height (h)	Ø	Code	Passing screw	Packaging
3 mm	4,5 mm	**01HPKC333**	PSS	1 piece
4 mm	4,5 mm	**01HPKC334**	PSS	1 piece
5 mm	4,5 mm	**01HPKC335**	PSK5	1 piece
6 mm	4,5 mm	**01HPKC336**	PSK6	1 piece
7 mm	4,5 mm	**01HPKC337**	PSK7	1 piece



Impression transfer with long screw

- Titanium gr 5
- Long passing screw h 14 mm, code PSTL

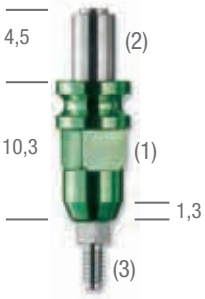
Transmucous Ø	Code	Packaging
4,5 mm	**01TR33**	1 piece

Smart transfer

- Titanium gr 5
- Perfectly replicates the transmucous profile of the soft tissues, thus precisely transferring the implant position
- It is assembled with the mount-transfer screwed onto the implant

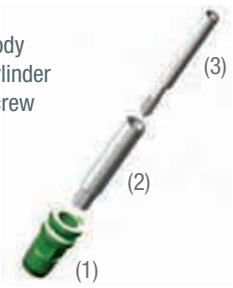
The retentive wings exploit their natural spring effect

Transmucous Ø	Code	Packaging
5,0 mm	**01TRS45**	1 piece



Impression transfer in three sections

- Titanium gr 5
- Maintains the impression precision also in case of disparallelism
- Composed of:
  (1) transfer body
  (2) transfer cylinder
  (3) passing screw



Transmucous Ø	Code	Packaging
5,0 mm	**01TR333**	1 piece

Laboratory analog

- Titanium gr 5

Platform Ø	Code	Packaging
3,5 mm	**01AN33**	1 piece
3,5 mm	**01AN33/3**	3 pieces

Platform Ø 3,5

Tecapeek temporary abutment with screw

- Biocompatibility
- For immediate temporary restorations
- Milled surface to facilitate resin adhesion
- Passing screw code PSS

Transmucous h	Code	Packaging
0,5 mm	**01APK33**	1 piece
2,5 mm	**01APKA33**	1 piece

Zirconia abutment RP

- High aesthetics
- Adjustable
- Anatomical design

	Code	Packaging
Straight	**01ATZ**	1 piece
17° pre-angled	**01APZ**	1 piece

Titanium base for Zirconia abutments

- Golden titanium gr 5
- Solid structure at implant-abutment interface
- Passing screw code PSSV in titanium gr 5 colour coded

Code	Packaging
01ATIBZ33	1 piece

Standard straight abutment with screw

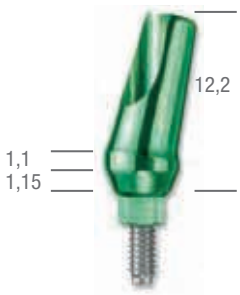
- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSTS)

	Transmucous Ø	Code	Packaging
	4,5 mm	**01ATI33**	1 piece
for frictioning connection	4,5 mm	**01ATIF33***	1 piece

Straight shouldered abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSTS)

	Transmucous Ø	Code	Packaging
	4,5 mm	**01AS33**	1 piece
for frictioning connection	4,5 mm	**01ASF33***	1 piece



15° pre-angled abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Extra short passing screw (code PSTXS)

	Transmucous Ø	Code	Packaging
	4,5 mm	**01AP1533**	1 piece
for frictioning connection	4,5 mm	**01AP15F33***	1 piece

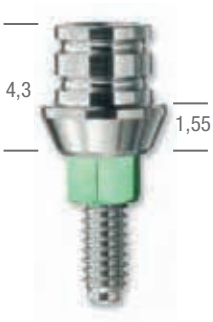
*Each frictioning abutment is equipped with PSF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Cylindrical Ø 3,3

25° pre-angled abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Extra short passing screw (code PSTXS)

	Transmucous Ø	Code	Packaging
	4,5 mm	**01AP2533**	1 piece
for frictioning connection	4,5 mm	**01AP25F33***	1 piece



Overcasting titanium coping with screw

- Titanium gr 5
- Overcastable
- Ideal alloy gold or extra hard noble Title 500
- Max. pre-heating temperature 800 °C
- Passing screw PSS

	Transmucous Ø	Code	Packaging
	4,5 mm	**01ATIB33**	1 piece

INSTRUCTIONS FOR USE
Before proceeding with the modelling, sandblast or roughen the grooved surface with a drill. Prepare for the casting in the usual way; there are no contra-indications to the use of phosphate investments, even the rapid ones. Perform the preheating making sure not to exceed 800°C; the permanence time in the oven must not be too long max. **30-40 minutes.**
Use yellow gold alloy or gold extra hard alloy, title 500, eliminate the coating in excess in the usual way, making sure not to use acids that can corrode titanium (**such as hydrofluoric acid**) and eliminate the remaining oxide traces with a light sandblasting with glass balls (for example microblast etc.).
Important: The base is not particularly suitable for ceramic overbaking.
However, if you proceed with the ceramic coating, use ceramic suitable for titanium and, after each baking, remove the formed oxide by pickling or light sandblasting.

Castable abutment gold or chrome-cobalt coping with screw

- Gold coping
- Castable
- Extractor code PSES
- Passing screw code PSS
- Availabe with gold or chrome-cobalt alloy base

	Transmucous Ø	Code	Packaging
Gold base	4,5 mm	**01AGCL33**	1 piece
	4,5 mm	**01AGCLF33** (1)*	1 piece
Cr-co base	4,5 mm	**01ACRCL33**	1 piece

(1) tight the tapered passing screw at 40 Ncm

PRE-HEATING:
720° for metal acrylic; 830° for metal ceramic
30 min. from the final temperature suggested overcasting with noble alloy (60% gold)

Castable abutment with screw

- Abutment for cemented prothesis or for single screw retained crowns
- Different diameters
- Adjustable
- Short passing screw code PSS

	Transmucous Ø	Code	Packaging
	4,5 mm	**01ACL33**	1 piece
	4,5 mm	**01ACL33/3**	3 pieces
	4,5 mm	**01ACL33/10**	10 pieces
for frictioning connection	4,5 mm	**01ACLF33***	1 piece

Castable abutment for cementing

- Adjustable
- Ideal gold alloy
- Title 500 extra hard noble

	Transmucous Ø	Code	Packaging
	4,5 mm	**01ACLC33**	1 piece

*Each frictioning abutment is equipped with PSF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Platform Ø 3,5

Tissue abutment for screw retained prosthesis

- Titanium gr 5
- Different heights
- To be used with cylinder code ATIA and PSACL
- Ideal for bar retained prosthesis (overdenture)

Height (h)	Transmucous Ø	Code	Packaging
1 mm	4,5 mm	**01ATS331**	1 piece
2 mm	4,5 mm	**01ATS332**	1 piece

Overcasting cylinder for tissue abutment

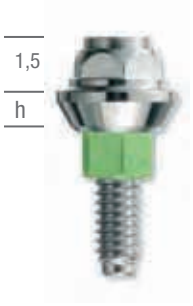
- Composed of:
(1) overcasting titanium coping
(2) castable adjustable
(3) cover screw code SVCTS45V

	Transmucous Ø	Code	Packaging
	4,5 mm	**01ATIA**	1 piece

Castable cylinder for tissue abutment

- Adjustable
- For screw retained prothesis on tissue abutment (screw retained prosthesis or rotating type)
- Titanium screw adjustable in height code PSLA

	Transmucous Ø	Code	Packaging
	4,5 mm	**01PSACL**	1 piece



Anti-rotation abutment for screw-retained prosthesis

- Titanium gr 5
- Anti-rotation abutment for screw retained prosthesis
- To be used with castable abutments code ACL33A - ACLR33A
- Extractor code PSES
- Passing screw with threaded head

Height (h)	Screw code	Code	Packaging
1 mm	PS1	**01AATI331A**	1 piece
2 mm	PS2	**01AATI332A**	1 piece

Rotating/anti-rotation castable abutment with screw

1) Castable adjustable
2) Titanium gr 5 short fixing screw code PSAS

- Usable on anti-rotation abutment for screw retained prosthesis
- Rotating: ideal for bar retained prosthesis (overdenture)
- Anti-rotation: ideal for single crowns

	Code	Packaging
rotating	**01ACLR33A**	1 piece
anti-rotation	**01ACL33A**	1 piece

Cylindrical Ø 3,3 — Platform Ø 3,5

Ball abutment

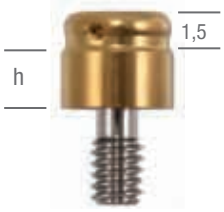
- Titanium gr 5
- Different heights
- For ball overdenture to be used with teflon caps OT-CAP Normo**

Height (h)	Transmucous Ø	Code	Packaging
1 mm	4,5 mm	**01AB331**	1 piece
2 mm	4,5 mm	**01AB332**	1 piece
3 mm	4,5 mm	**01AB333**	1 piece
4 mm	4,5 mm	**01AB334**	1 piece
5 mm	4,5 mm	**01AB335**	1 piece

Anti-rotating two-piece ball abutment

- Titanium gr 5
- 1) Ball abutment base Ø 4,5, height 1 mm
- 2) Ball abutment body
- Different heights
- For ball overdenture to be used with teflon caps OT-CAP Normo**

	Height (h)	Code	Packaging
(2)	1 mm	**01ABA332**	1 piece
(2)	2 mm	**01ABA333**	1 piece
(2)	3 mm	**01ABA334**	1 piece
(2)	4 mm	**01ABA335**	1 piece



Locator® Abutment[1]

- Titanium gr 5. TiN coated
- Different heights
- Resin replaceable retainers for disparallelism between implants:
  up to 20° - standard retainers (blue, pink, clear);
  up to 40° - extra retainers (orange, red, green);
- Accessories

Height (h)	Code	Packaging
1,0 mm	**5102905**	1 piece
2,0 mm	**5102906**	1 piece
3,0 mm	**5102907**	1 piece
4,0 mm	**5102908**	1 piece

[1] Locator abutments are manufactured and patented by Zest Anchors. Locator is a trademark of Zest Anchors, Inc.

NOTE: Ask for the detailed list of accessories

Coming soon

Titanium Trial kit

- Includes 6 titanium trial abutments:
  2x straight, 2x pre-angled 25°, 2x pre-angled 15°
- The trial abutments are inserted on the implant or on the analog to select the ideal support
- The trial abutments only are autoclavable at 121°C

Code	Packaging
01K61	6 pieces

** Teflon retentive caps see page 70-71

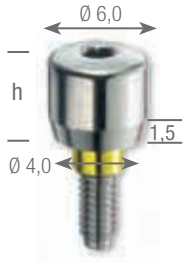
Cylindrical Ø 3,75 | Tapered Narrow thread Ø 3,75 / Wide thread Ø 4,0 | Platform Ø 4,0

NOTE: All prosthetic components are available also in packaging of 10 pcs; ordering code ...../10

Healing screw (transgingival portion ø 4,5)

- Titanium gr 5
- Different heights

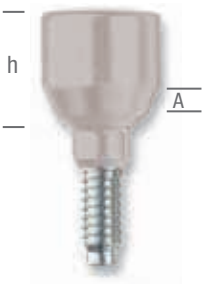
Height (h)	Transmucous Ø	Code	Packaging
2 mm	4,5 mm	**01HCC42**	1 piece
3 mm	4,5 mm	**01HCC43**	1 piece
4 mm	4,5 mm	**01HCC44**	1 piece
5 mm	4,5 mm	**01HCC45**	1 piece
6 mm	4,5 mm	**01HCC46**	1 piece
7 mm	4,5 mm	**01HCC47**	1 piece



Healing screw (transgingival portion ø 6,0)

- Titanium gr 5
- Different heights

Height (h)	Transmucous Ø	Code	Packaging
4 mm	6 mm	**01HCC64**	1 piece
5 mm	6 mm	**01HCC65**	1 piece
6 mm	6 mm	**01HCC66**	1 piece



TECAPEEK Healing screw

- Aesthetic
- Biocompatible
- Inhibition to bacterial attack
- Chemical inertia
- Autoclavable
- Passing screw

Height (h)	Height (A)	Transm. Ø	Code	Pass. screw	Packaging
3 mm	1,1 mm	4,5 mm	**01HPKCC43**	PSS	1 piece
4 mm	1,1 mm	4,5 mm	**01HPKCC44**	PSS	1 piece
5 mm	1,1 mm	4,5 mm	**01HPKCC45**	PSK5	1 piece
6 mm	1,1 mm	4,5 mm	**01HPKCC46**	PSK6	1 piece
7 mm	1,1 mm	4,5 mm	**01HPKCC47**	PSK7	1 piece
3 mm	1,1 mm	6 mm	**01HPKCC63**	PSS	1 piece
4 mm	1,5 mm	6 mm	**01HPKCC64**	PSS	1 piece
5 mm	1,5 mm	6 mm	**01HPKCC65**	PSK5	1 piece
6 mm	1,5 mm	6 mm	**01HPKCC66**	PSK6	1 piece
7 mm	1,5 mm	6 mm	**01HPKCC67**	PSK7	1 piece

Impression transfer with long screw

- Titanium gr 5
- Long passing screw h 14 mm, code PSTL

Transmucous Ø	Code	Packaging
4,5 mm	**01TRC4**	1 piece

SMART TRANSFER
See page 32

Impression transfer with screw for pick-up technique

- Titanium gr 5
- Long passing screw code PSTTL*
- To be used with individual open tray (pick-up technique)

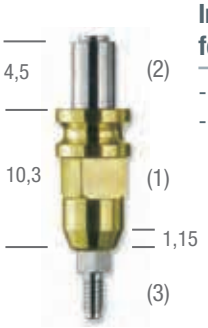
Transmucous Ø	Code	Packaging
4,5 mm	**01TRCP4**	1 piece

* Also available as spare part the extra long screw code PSTTLL

NOTE:
It is possible to apply the so called "**Platform switching**", i.e. to **apply a narrower abutment on a larger platform,** so that the possible inflammation is spread on an horizontal area rather than on a vertical wall. With this technique the crestal bone resorption can be avoided thus enhancing also the volume and quality of the soft tissues (better stability, better aesthetic).

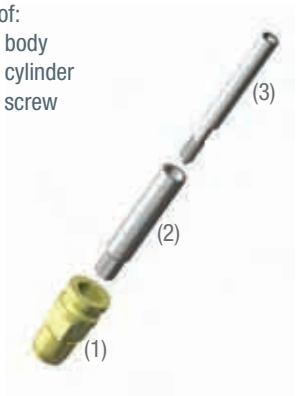
Implants with platform Ø 4 → Prosthetic component with platform Ø 3.5
Implants with platform Ø 5 → Prosthetic component with platform Ø 4
Implants with platform Ø 6 → Prosthetic component with platform Ø 5

Cylindrical Ø **3,75** | Tapered Narrow thread Ø **3,75** | Wide thread Ø **4,0**



Impression transfer in three sections for Pick-up technique

- Titanium gr 5
- Maintains the impression precision also in case of disparallelism
- Composed of:
  (1) transfer body
  (2) transfer cylinder
  (3) passing screw



Transmucous Ø	Code	Packaging
4,5 mm	**01TR403**	1 piece

Laboratory analog

- Titanium gr 5

Platform Ø	Code	Packaging
4,0 mm	**01ANC4**	1 piece
4,0 mm	**01ANC4/3**	3 pieces

Tecapeek temporary abutment with screw

- Biocompatibility
- For immediate temporary restorations
- Milled surface to facilitate resin adhesion
- Passing screw code PSS

Transmucous h	Code	Packaging
0,5 mm	**01APK4**	1 piece
2,5 mm	**01APKA4**	1 piece

Zirconia abutment RP

- High aesthetics
- Adjustable
- Anatomical design

	Code	Packaging
Straight	**01ATZ**	1 piece
17° pre-angled	**01APZ**	1 piece

Titanium base for Zirconia abutments

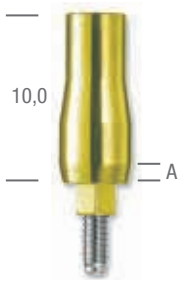
- Golden titanium gr 5
- Solid structure at implant-abutment interface
- Passing screw code PSSG in titanium gr 5 colour coded

Code	Packaging
01ATIBZC4	1 piece

NOTE:
It is possible to apply the so called "**Platform switching**", i.e. to **apply a narrower abutment on a larger platform,** so that the possible inflammation is spread on an horizontal area rather than on a vertical wall. With this technique the crestal bone resorption can be avoided thus enhancing also the volume and quality of the soft tissues (better stability, better aesthetic).

Implants with platform Ø 4 → Prosthetic component with platform Ø 3.5
Implants with platform Ø 5 → Prosthetic component with platform Ø 4
Implants with platform Ø 6 → Prosthetic component with platform Ø 5

Platform Ø 4,0



Standard straight abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSS)

Height (A)	Transmucous Ø	Code	Packaging
1,15 mm	4,5 mm	**01ATIC4**	1 piece
1,15 mm	4,5 mm	**01ATICF4***	1 piece
1,50 mm	6,0 mm	**01ATIC6**	1 piece

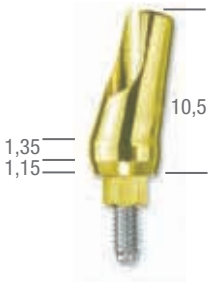
for frictioning connection

Straight shouldered abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSS)

Transmucous Ø	Code	Packaging
4,5 mm	**01ASC4**	1 piece
4,5 mm	**01ASCF4***	1 piece
6,0 mm	**01ASC6**	1 piece

*for frictioning connection

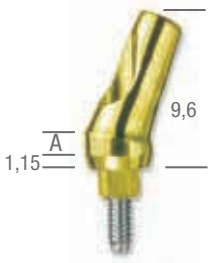


15° pre-angled abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSS)

Transmucous Ø	Code	Packaging
4,5 mm	**01APC1540**	1 piece
4,5 mm	**01APC15F40***	1 piece
6,0 mm	**01APC601540**	1 piece

*for frictioning connection

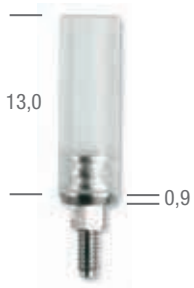


25° pre-angled abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSS)

Height (A)	Transmucous Ø	Code	Packaging
1,35 mm	4,5 mm	**01APC2540**	1 piece
1,35 mm	4,5 mm	**01APC25F40***	1 piece
1,80 mm	6,0 mm	**01APC602540**	1 piece

*for frictioning connection



Castable abutment gold or chrome-cobalt coping with screw

- Gold coping
- Castable
- Extractor code PSES
- Passing screw code PSS
- Availabe with gold or chrome-cobalt alloy base

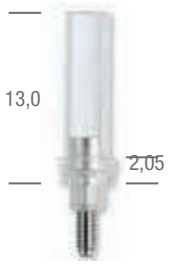
	Transmucous Ø	Code	Packaging
Gold base	4,5 mm	**01APSG4**	1 piece
	4,5 mm	**01APSFG4*** (1)	1 piece
Cr-co base	4,5 mm	**01APSCR4**	1 piece

(1) tight the tapered passing screw at 40 Ncm

PRE-HEATING:
720° for metal acrylic; 830° for metal ceramic
30 min. from the final temperature suggested overcasting with noble alloy (60% gold)

*Each frictioning abutment is equipped with PSF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

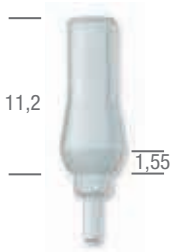
Cylindrical Ø **3,75** | Tapered Narrow thread Ø **3,75** | Wide thread Ø **4,0**



Castable abutment with screw

- Abutment for cemented prothesis or for single screw retained crowns
- Different diameters
- Adjustable
- Short passing screw code PSS

Transmucous Ø	Code	Packaging
4,5 mm	**01ACCL4**	1 piece
4,5 mm	**01ACCL4/3**	3 pieces
4,5 mm	**01ACCL4/10**	10 pieces
4,5 mm	**01ACCLF4***	1 piece
4,5 mm	**01ACCLF4/10***	10 pieces
6,0 mm	**01ACCL6** for frictioning connection	1 piece



Castable abutment for cementing

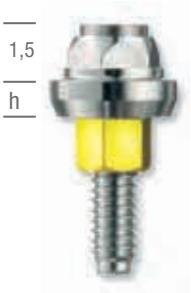
- Adjustable
- Ideal gold alloy
- Title 500 extra hard noble

Transmucous Ø	Code	Packaging
4,5 mm	**01ACCLC4**	1 piece

Abutment for immediate loading

- Titanium gr 5 + POM-C
- Short passing screw code PSS

Transmucous Ø	Code	Packaging
4,5 mm	**01ACI4**	1 piece



Anti-rotation abutment with screw

- Titanium gr 5
- Anti-rotation abutment for screw retained prosthesis
- to be used with castable abutments code ACLA - ACLRC4A
- Extractor code PSES
- Passing screw with threaded head

Height (h)	Screw code	Code	Packaging
1 mm	PS1	**01AC1A**	1 piece
2 mm	PS2	**01AC2A**	1 piece

Rotating/anti-rotation castable abutment with screw

1) Castable adjustable
2) Titanium gr 5 short fixing screw code PSAS

- Usable with anti-rotation abutment for screw retained prosthesis
- Rotating: ideal for bar retained prosthesis (overdenture)
- Anti-rotation: ideal for single crowns

	Code	Packaging
rotating	**01ACLRC4A**	1 piece
anti-rotation	**01ACLA**	1 piece

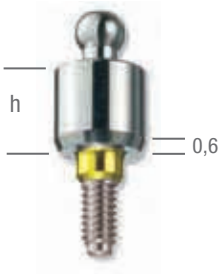
*Each frictioning abutment is equipped with PSF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Platform Ø 4,0

Adjustable abutment

- Titanium gr 5
- Short passing screw code PSS

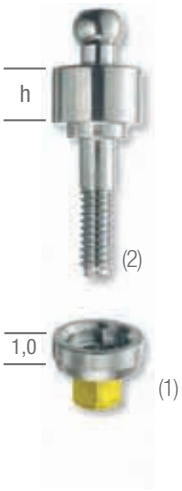
Max. Ø	Code	Packaging
6,9 mm	**01ATIM4**	1 piece



Ball abutment

- Titanium gr 5
- Different heights
- For ball overdenture to be used with teflon caps OT-CAP Normo**

Height (h)	Transmucous Ø	Code	Packaging
1 mm	4,5 mm	**01ABC451**	1 piece
2 mm	4,5 mm	**01ABC452**	1 piece
3 mm	4,5 mm	**01ABC453**	1 piece
4 mm	4,5 mm	**01ABC454**	1 piece
5 mm	4,5 mm	**01ABC455**	1 piece



Anti-rotation two-pieces ball abutment

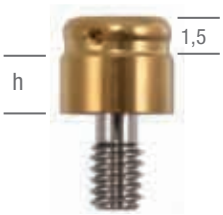
- Titanium gr 5

1) Ball abutment base Ø 4,5 mm, height 1 mm

2) Ball abutment body

- Different heights
- For ball overdenture to be used with teflon caps OT-CAP Normo**

	Height (h)	Code	Packaging
(2)	1 mm	**01ABA402**	1 piece
(2)	2 mm	**01ABA403**	1 piece
(2)	3 mm	**01ABA404**	1 piece
(2)	4 mm	**01ABA405**	1 piece



Locator® Abutment[1]

- Titanium gr 5. TiN coated
- Different heights
- Resin replaceable retainers for disparallelism between implants:
  up to 20° - standard retainers (blue, pink, clear);
  up to 40° - extra retainers (orange, red, green);
- Accessories

Height (h)	Code	Packaging
1,0 mm	**5102917**	1 piece
2,0 mm	**5102918**	1 piece
3,0 mm	**5102919**	1 piece
4,0 mm	**5102920**	1 piece

[1] Locator abutments are manufactured and patented by Zest Anchors. Locator is a trademark of Zest Anchors, Inc.

NOTE: Ask for the detailed list of accessories

** Teflon retentive caps see page 70-71

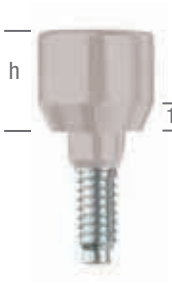
Cylindrical Ø **4,5** | Tapered | Narrow thread Ø **4,75** | Wide thread Ø **5,0**

NOTE: All prosthetic components are available also in packaging of 10 pcs; ordering code ...../10

Healing screw

- Titanium gr 5
- Different heights

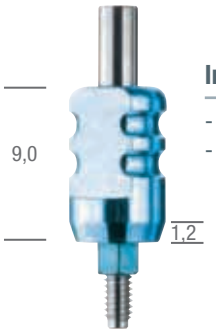
Height (h)	Transmucous Ø	Code	Packaging
2 mm	5,0 mm	**01HC502**	1 piece
4 mm	5,0 mm	**01HC504**	1 piece
6 mm	5,0 mm	**01HC506**	1 piece



TECAPEEK Healing screw

- Aesthetic
- Biocompatible
- Inhibition to bacterial attack
- Chemical inertia
- Autoclavable
- Passing screw

Height (h)	Transmucous Ø	Code	Passing screw	Packaging
3 mm	5 mm	**01HPKC503**	PSS	1 piece
4 mm	5 mm	**01HPKC504**	PSS	1 piece
6 mm	5 mm	**01HPKC506**	PSK6	1 piece



Impression transfer with long screw

- Titanium gr 5
- Long passing screw h 14 mm, code PSTL

Transmucous Ø	Code	Packaging
5,0 mm	**01TR50**	1 piece

SMART TRANSFER
See page 32

Laboratory analog

- Titanium gr 5

Platform Ø	Code	Packaging
5,0 mm	**01AN45**	1 piece

Tecapeek temporary abutment with screw

- Biocompatibility
- For immediate temporary restorations
- Milled surface to facilitate resin adhesion
- Passing screw code PSS

Transmucous h	Code	Packaging
0,5 mm	**01APK5**	1 piece
2,5 mm	**01APKA5**	1 piece

NOTE:
It is possible to apply the so called "**Platform switching**", i.e. to **apply a narrower abutment on a larger platform,** so that the possible inflammation is spread on an horizontal area rather than on a vertical wall. With this technique the crestal bone resorption can be avoided thus enhancing also the volume and quality of the soft tissues (better stability, better aesthetic).

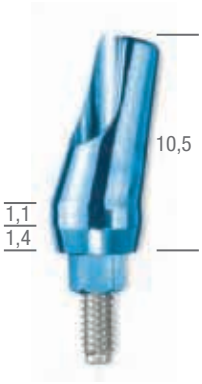
Implants with platform Ø 4 → Prosthetic component with platform Ø 3.5
Implants with platform Ø 5 → Prosthetic component with platform Ø 4
Implants with platform Ø 6 → Prosthetic component with platform Ø 5

Platform Ø 5,0

Standard straight abutment with screw

- Abutment for cemented prosthesis
- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSTS)

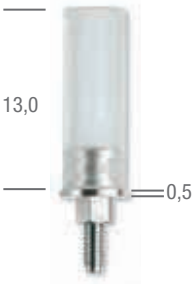
	Transmucous Ø	Code	Packaging
	5,0 mm	**01ATI5**	1 piece
for frictioning connection	5,0 mm	**01ATIF5***	1 piece



15° pre-angled abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSTXS)

	Transmucous Ø	Code	Packaging
	6,0 mm	**01AP1560**	1 piece



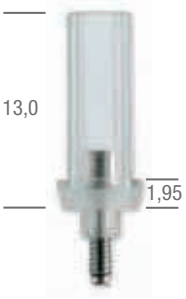
Castable abutment gold or chrome-cobalt coping with screw

- Gold coping
- Castable
- Extractor code PSES
- Passing screw code PSS
- Availabe with gold or chrome-cobalt alloy base

	Transmucous Ø	Code	Packaging
Gold base	5,0 mm	**01AGCL45**	1 piece
	5,0 mm	**01AGCLF45*** (1)	1 piece
Cr-co base	5,0 mm	**01ACRCL45**	1 piece

(1) tight the tapered passing screw at 40 Ncm

PRE-HEATING:
720° for metal acrylic; 830° for metal ceramic
30 min. from the final temperature suggested overcasting with noble alloy (60% gold)



Castable abutment with screw

- Abutment for cemented prothesis or for single screw retained crowns
- Different diameters
- Adjustable
- Short passing screw code PSS

	Transmucous Ø	Code	Packaging
	5,0 mm	**01ACL50**	1 piece
	5,0 mm	**01ACL50/10**	10 pieces
for frictioning connection	5,0 mm	**01ACLF50***	1 piece
for frictioning connection	5,0 mm	**01ACLF50/10***	10 pieces

*Each frictioning abutment is equipped with PSF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Cylindrical Ø 4,5 | Tapered Narrow thread Ø 4,75 | Wide thread Ø 5,0 | Platform Ø 5,0

Castable abutment for cementing

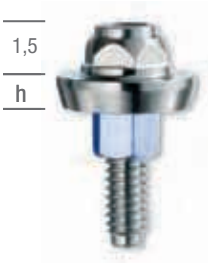
- Adjustable
- Ideal gold alloy
- Title 500 extra hard noble

Transmucous Ø	Code	Packaging
5,5 mm	**01ACLC5**	1 piece

Ball abutment

- Titanium gr 5
- Different heights
- For ball overdenture to be used with teflon caps OT-CAP Normo**

Height (h)	Transmucous Ø	Code	Packaging
2 mm	5,0 mm	**01AB502**	1 piece
3 mm	5,0 mm	**01AB503**	1 piece
4 mm	5,0 mm	**01AB504**	1 piece



Anti-rotation abutment with screw

- Titanium gr 5
- Anti-rotation abutment for screw retained prosthesis
- to be used with castable abutments code ACL45A - ACLR45A
- Extractor code PSES
- Passing screw with threaded head

Height (h)	Screw code	Code	Packaging
1 mm	PS1	**01AATI451A**	1 piece

Rotating/anti-rotation castable abutment with screw

1) Castable adjustable

2) Titanium gr 5 short fixing screw code PSAS

- Usable with anti-rotation abutment for screw retained prosthesis
- Rotating: ideal for bar retained prosthesis (overdenture)
- Anti-rotation: ideal for single crowns

	Code	Packaging
rotating	**01ACLR45A**	1 piece
anti-rotation	**01ACL45A**	1 piece

** Teflon retentive caps see page 70-71

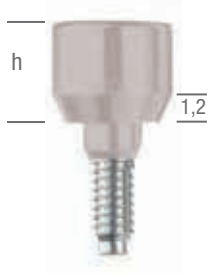
Cylindrical Ø 5,5 | Tapered Narrow thread Ø 5,75 | Wide thread Ø 6,0 | Platform Ø 6,0

NOTE: All prosthetic components are available also in packaging of 10 pcs; ordering code ...../10

Healing screw

- Titanium gr 5
- Different heights

Height (h)	Transmucous Ø	Code	Packaging
2 mm	6,0 mm	**01HC602**	1 piece
4 mm	6,0 mm	**01HC604**	1 piece
6 mm	6,0 mm	**01HC606**	1 piece



TECAPEEK Healing screw

- Aesthetic
- Biocompatible
- Inhibition to bacterial attack
- Chemical inertia
- Autoclavable
- Passing screw

Height (h)	Transmucous Ø	Code	passing screw	Packaging
3 mm	6 mm	**01HPKC603**	PSS	1 piece
4 mm	6 mm	**01HPKC604**	PSS	1 piece
6 mm	6 mm	**01HPKC606**	PSK6	1 piece

Impression transfer with long screw

- Titanium gr 5
- Long passing screw h 14 mm, code PSTL

Transmucous Ø	Code	Packaging
6,0 mm	**01TR60**	1 piece

SMART TRANSFER
See page 32

Laboratory analog

- Titanium gr 5

Platform Ø	Code	Packaging
6,0 mm	**01AN55**	1 piece

Standard straight abutment with screw

- Abutment for cemented prosthesis
- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw Code PSS

	Transmucous Ø	Code	Packaging
	6,0 mm	**01ATI6055**	1 piece
for frictioning connection	6,0 mm	**01ATI60F55***	1 piece

Castable abutment for cementing

- Adjustable
- Ideal gold alloy
- Title 500 extra hard

Transmucous Ø	Code	Packaging
6,5 mm	**01ACLC6**	1 piece

NOTE:
It is possible to apply the so called "**Platform switching**", i.e. to **apply a narrower abutment on a larger platform,** so that the possible inflammation is spread on an horizontal area rather than on a vertical wall. With this technique the crestal bone resorption can be avoided thus enhancing also the volume and quality of the soft tissues (better stability, better aesthetic).

Implants with platform Ø 4 → Prosthetic component with platform Ø 3.5
Implants with platform Ø 5 → Prosthetic component with platform Ø 4
Implants with platform Ø 6 → Prosthetic component with platform Ø 5

Cylindrical Ø **5,5** | Tapered Narrow thread Ø **5,75** | Wide thread Ø **6,0** | Platform **Ø 6,0**

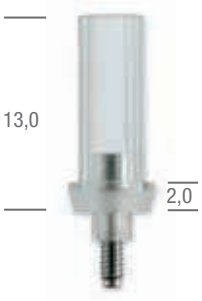
Castable abutment gold or chrome-cobalt coping with screw

- Gold coping
- Castable
- Extractor code PSES
- Passing screw code PSS
- Availabe with gold or chrome-cobalt alloy base

	Transmucous Ø	Code	Packaging
Gold base	6,0 mm	**01AGCL55**	1 piece
	6,0 mm	**01AGCLF55*** (1)	1 piece
Cr-co base	6,0 mm	**01ACRCL55**	1 piece

(1) tight the tapered passing screw at 40 Ncm

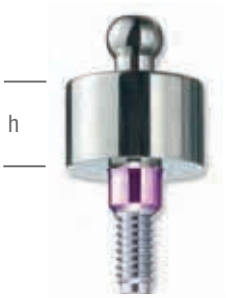
PRE-HEATING:
720° for metal acrylic; 830° for metal ceramic
30 min. from the final temperature suggested overcastting with noble alloy (60% gold)



Castable abutment with screw

- Abutment for cemented prosthesis or for single screwed crowns
- Different diameters
- Adjustable
- Short passing screw code PSS

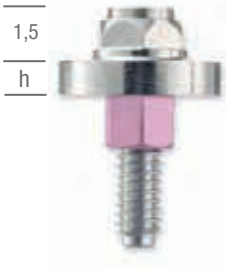
	Transmucous Ø	Code	Packaging
	6,0 mm	**01ACL60**	1 piece
for frictioning connection	6,0 mm	**01ACLF60***	1 piece



Ball abutment

- Titanium gr 5
- Different heights
- For ball overdenture to be used with Teflon caps OT-CAP normo**

Height (h)	Transmucous Ø	Code	Packaging
2 mm	6,0 mm	**01AB602**	1 piece
3 mm	6,0 mm	**01AB603**	1 piece
4 mm	6,0 mm	**01AB604**	1 piece



Anti-rotation abutment with screw

- Titanium gr 5
- Anti-rotation abutment for screw retained prosthesis
- To be used with castable abutments code ACL55A – ACLR55A
- Extractor code PSES
- Passing screw with threaded head

Height (h)	Screw code	Code	Packaging
1 mm	PS1	**01AATI551A**	1 piece

Rotating/anti-rotation castable abutment with screw

1) Castable adjustable
2) Titanium gr 5 short fixing screw code PSAS
- Usable with anti-rotation abutment for screw retained prosthesis
- Rotating: ideal for bar retained prosthesis (overdenture)
- Anti-rotation: ideal for single crowns

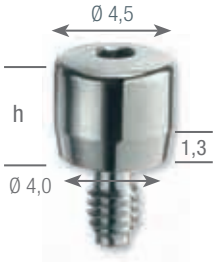
	Code	Packaging
rotating	**01ACLR55A**	1 piece
anti-rotation	**01ACL55A**	1 piece

** Teflon retentive caps see page 70-71

*Each frictioning abutment is equipped with PSF tapered passing screw.WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Cylindrical Ø 3,3 - 3,75 | Tapered Wide thread Ø **4,0** | Platform **Ø 4,1**

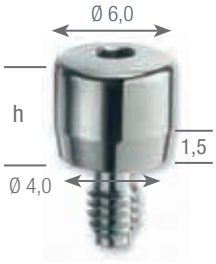
NOTE: All prosthetic components are available also in packaging of 10 pcs; ordering code ...../10



Healing screw (transgingival portion Ø 4,5)

- Titanium gr 5
- Different heights

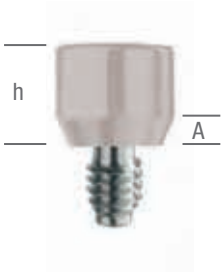
Height (h)	Transmucous Ø	Code	Packaging
3 mm	4,5 mm	**01HCX333**	1 piece
4 mm	4,5 mm	**01HCX334**	1 piece
5 mm	4,5 mm	**01HCX335**	1 piece
6 mm	4,5 mm	**01HCX336**	1 piece
7 mm	4,5 mm	**01HCX337**	1 piece



Healing screw (transgingival portion Ø 6,0)

- Titanium gr 5
- Different heights

Height	Transmucous Ø	Code	Packaging
4 mm	6 mm	**01HCX60334**	1 piece
5 mm	6 mm	**01HCX60335**	1 piece
6 mm	6 mm	**01HCX60336**	1 piece
7 mm	6 mm	**01HCX60337**	1 piece



TECAPEEK Healing screw

- Aesthetic
- Biocompatible
- Inhibition to bacterial attack
- Chemical inertia
- Autoclavable
- Passing screw

Height	Height (A)	Transm. Ø	Code	Pass. screw	Packaging
4 mm	1,3 mm	4,5 mm	**01HPKCX334**	PSTXXS	1 piece
5 mm	1,3 mm	4,5 mm	**01HPKCX335**	PSXTS	1 piece
6 mm	1,3 mm	4,5 mm	**01HPKCX336**	PSKX6	1 piece
7 mm	1,3 mm	4,5 mm	**01HPKCX337**	PSKX7	1 piece

Height	Height (A)	Transm. Ø	Code	Pass. screw	Packaging
4 mm	1,5 mm	6 mm	**01HPKCX60334**	PSTXXS	1 piece
5 mm	1,5 mm	6 mm	**01HPKCX60335**	PSXTS	1 piece
6 mm	1,5 mm	6 mm	**01HPKCX60336**	PSKX6	1 piece
7 mm	1,5 mm	6 mm	**01HPKCX60337**	PSKX7	1 piece

Impression transfer with long screw

- Titanium gr 5
- Long passing screw h 14 mm, code PSXTL*

Transmucous Ø	Code	Packaging
4,5 mm	**01TRX33**	1 piece

SMART TRANSFER
See page 32

* Also available as spare part short screws PSXTS and extra-short screws PSTXXS

Cylindrical Ø **3,3 - 3,75** | Tapered Wide thread Ø **4,0**

Impression transfer with screw for pick-up technique

- Titanium gr 5
- Long passing screw code PSXTTL*
- To be used with individual open tray (pick-up technique)

Transmucous Ø	Code	Packaging
4,5 mm	**01TRXP33**	1 piece

*Also available as spare part the extra long screw code PSXTTLL

Laboratory analog

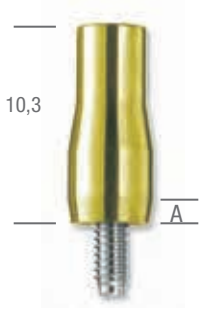
- Titanium gr 5

Platform Ø	Code	Packaging
4,0 mm	**01ANX33**	1 piece

Tecapeek rotating/anti-rotation temporary abutment with screw

- Biocompatibility
- For immediate temporary restorations
- Milled surface to facilitate resin adhesion
- Passing screw code PSXTS

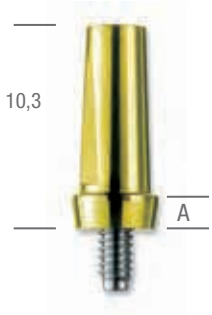
Transmucous h		Code	Packaging
0,5 mm	rotating	**01APKXR33**	1 piece
0,5 mm	anti-rotation	**01APKX33**	1 piece
2,5 mm	rotating	**01APKXRA33**	1 piece
2,5 mm	anti-rotation	**01APKXA33**	1 piece



Standard straight abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw code PSXTS

Height (A)	Transmucous Ø	Code	Packaging
1,3 mm	4,5 mm	**01ATIX33**	1 piece
1,3 mm	4,5 mm	**01ATIXF33***	1 piece
1,6 mm	6,0 mm	**01ATI60X33**	1 piece
		for frictioning connection	

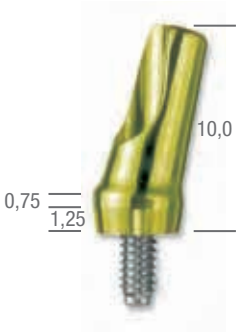


Straight shouldered abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw code PSXTS

Height (A)	Transmucous Ø	Code	Packaging
1,7 mm	4,5 mm	**01AXS33**	1 piece
1,7 mm	4,5 mm	**01AXSF33***	1 piece
2,2 mm	6,0 mm	**01AXS6033**	1 piece
		for frictioning connection	

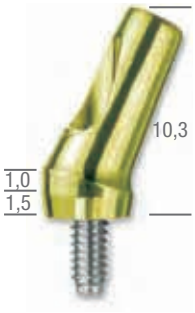
Platform Ø 4,1



15° pre-angled abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Extra short passing screw code PSTXXS

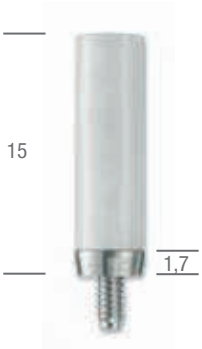
Transmucous Ø	Code	Packaging
4,5 mm	**01APX1533**	1 piece



25° pre-angled abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Extra short passing screw code PSTXXS

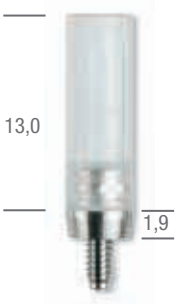
Transmucous Ø	Code	Packaging
4,5 mm	**01APX2533**	1 piece



Abutment for gluing technique

- Titanium gr 5 + POM-C
- Short passing screw code PSXTS

Transmucous Ø	Code	Packaging
4,5 mm	**01ACIX4**	1 piece



Castable abutment gold or chrome-cobalt coping with screw

- Gold coping
- Castable
- Extractor code PSES
- Passing screw code PSTXXS
- Availabe with gold or chrome-cobalt alloy base

	Transmucous Ø	Code		Packaging
Gold base	4,5 mm	**01AGCLRX33**	rotating	1 piece
	4,5 mm	**01AGCLX33**	anti-rotation	1 piece
	4,5 mm	**01AGCLXF33*** (1)		1 piece
Cr-co base	4,5 mm	**01ACRCLX33**		1 piece

(1) tight the tapered passing screw at 40 Ncm

PRE-HEATING:
720° for metal acrylic; 830° for metal ceramic
30 min. from the final temperature suggested overcasting with noble alloy (60% gold)

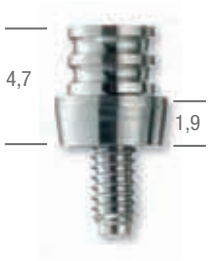
*Each frictioning abutment is equipped with PSXF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Cylindrical Ø **3,3 - 3,75** Tapered Wide thread Ø **4,0**

Rotating/anti-rotation castable abutment with screw

- Adjustable
- Anti-rotation for single crowns
- Rotation for bar retained prosthesis (overdenture)
- Short passing screw code PSCLXS

	Transmucous Ø	Code		Packaging
	4,5 mm	**01CLRX33**	rotating	1 piece
	4,5 mm	**01CLRX33/10**	rotating	10 pieces
	4,5 mm	**01CLX33**	anti-rotation	1 piece
	4,5 mm	**01CLX33/10**	anti-rotation	10 pieces
for frictioning connection	4,5 mm	**01CLXF33***		1 piece



Overcasting titanium coping with screw

- Titanium gr 5
- Overcastable
- Ideal alloy gold or extra hard noble Title 500
- Pre-heating temperature max. 800 °C
- Passing screw code PSTXXS

	Transmucous Ø	Code	Packaging
	4,5 mm	**01ATIBX33**	1 piece
for frictioning connection	4,5 mm	**01ATIBXF33***	1 piece

Anti-rotation abutment with screw

- Titanium gr 5
- Anti-rotation abutment for screw retained prosthesis
- To be used with castable abutments code ACLX33A – ACLRX33A
- Extractor code PSES
- Passing screw with threaded head

Height (H)	Screw code	Code	Packaging
1 mm	PSX1	**01AATIX331A**	1 piece
2 mm	PSX2	**01AATIX332A**	1 piece

Rotating/Anti-rotation castable abutment with screw

1) Castable adjustable
2) Titanium gr 5 short fixing screw code PSAS

- Usable with anti-rotation abutment for screw-retained denture
- Rotating: ideal for bar retained prosthesis (overdenture)
- Anti-rotation: ideal for single crowns

	Code	Packaging
rotating	**01ACLRX33A**	1 piece
anti-rotation	**01ACLX33A**	1 piece

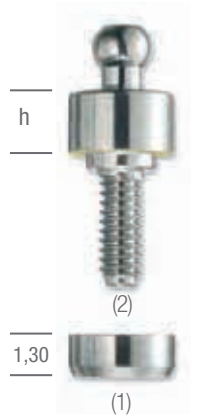
*Each frictioning abutment is equipped with PSXF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Platform Ø 4,1

Ball abutment

- Titanium gr 5
- Different heights
- For ball overdenture to be used with teflon caps OT-CAP Normo**

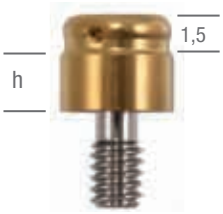
Height (h)	Transmucous Ø	Code	Packaging
2 mm	4,5 mm	**01ABX332**	1 piece
3 mm	4,5 mm	**01ABX333**	1 piece
4 mm	4,5 mm	**01ABX334**	1 piece
5 mm	4,5 mm	**01ABX335**	1 piece



Two-pieces anti-rotation ball abutment

- Titanium gr 5
- 1) Ball abutment base ø 4,5, height 1,30 mm
- 2) Ball abutment body
- Different heights
- For ball overdenture to be used with teflon caps OT-CAP Normo**

	Height (h)	Code	Packaging
(2)	0,8 mm	**01ABXA2**	1 piece
(2)	1,8 mm	**01ABXA3**	1 piece
(2)	2,8 mm	**01ABXA4**	1 piece
(2)	3,8 mm	**01ABXA5**	1 piece



Locator® Abutment[1]

- Titanium gr 5. TiN coated
- Different heights
- Resin replaceable retainers for disparallelism between implants:
  up to 20° - standard retainers (blue, pink, clear);
  up to 40° - extra retainers (orange, red, green);
- Accessories

Height (h)	Code	Packaging
1,0 mm	**5102911**	1 piece
2,0 mm	**5102912**	1 piece
3,0 mm	**5102913**	1 piece
4,0 mm	**5102914**	1 piece

[1] Locator abutments are manufactured and patented by Zest Anchors. Locator is a trademark of Zest Anchors, Inc.

NOTE: Ask for the detailed list of accessories

Coming soon

Titanium Trial kit

- Includes 6 titanium trial abutments:
  2x straight, 2x pre-angled 25°, 2x pre-angled 15°
- The trial abutments are inserted on the implant or on the analog to select the ideal support
- The trial abutments only are autoclavable at 121°C

Code	Packaging
01K60	6 pieces

** Teflon retentive caps see page 70-71

LEADERQUICK

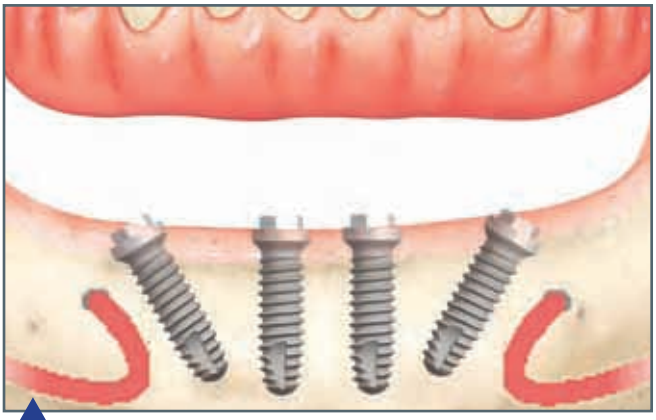
LEADERQUICK is the clinical solution developed for Implus and TiXos implants with external hex, ideal in cases of **upper or lower edentulous jaws.**

Effected using 4, 6 or more implants, inserting **straight and pre-angled abutments** properly designed for these kinds of edentulous patients, LEADERQUICK provides a **stable prosthetic support**, thanks to the posterior angulated implants, which guarantee a long term success.

Designed for the application of **temporary immediate prosthetic dentures**, LEADERQUICK procedure **spares the patient the inconvenience of temporary edentulous situation**, allowing a fixed denture in very short time.

Taking the maximum advantage of the patient's existing bone, in many cases it is possible to avoid bone graft surgery and more invasive procedures.

In the **upper jaw**, even in situation of **very reduced bone height proximal to maxillary sinuses**, thanks to LEADERQUICK procedure, a very stable prosthesis can be obtained just displacing the posterior implants.



In the **lower jaw**, the **reduced vertical height** caused by a long lasting edentulous arch, very often prevents the insertion of implants with proper length and limits the intervention to the area **between the two mental foramen.** With LEADERQUICK procedure, a stable prosthesis is possible, taking advantage of the patient's existing bone.

Cylindrical Ø **3,3 - 3,75** Tapered Wide thread Ø **4,0** Platform Ø **4,1**

NOTE: All prosthetic components are available also in packaging of 10 pcs; ordering code ...../10

Straight abutment

- Titanium gr 5
- With supporting tool for easy positioning
- Passing screw (hex section)

Height (h)	Code	Passing screw	Packaging
1 mm	**01AATX1**	PSXQA1	1 piece
2 mm	**01AATX2**	PSXQA2	1 piece
3 mm	**01AATX3**	PSXQA3	1 piece

Abutment cap

- In POM-C
- Passing screw (torx) code PSXQA

Code	Packaging
01HQX	1 piece

NOTE: It is possible to apply the so called Platform Switching , using LeaderQuick system abutments on external hex implants with platform Ø 5,0.

Cylindrical Ø 3,3 - 3,75 | Tapered Wide thread Ø 4,0 | Platform Ø 4,1

2,15

17° pre-angled abutment with screw

- Titanium gr 5
- With titanium supporting tool for easy positioning
- Passing screw (torx) code PSXQP

Height	Code	Packaging
3,9 mm	**01AAPX17**	1 piece

4

30° pre-angled abutment with screw

- Titanium gr 5
- With titanium supporting tool for easy positioning
- Passing screw (torx) code PSXQP

Height	Code	Packaging
5,2 mm	**01AAPX30**	1 piece

9

Impression transfer

- Titanium gr 5
- Passing screw (torx) code PSXQT

Code	Packaging
01TRXP1730	1 piece

Laboratory analog

- Titanium gr 5

Code	Packaging
01ANX1730	1 piece

12

Temporary for abutment

- Titanium gr 5
- Passing screw (torx) code PSXQA

Code	Packaging
01AAQX	1 piece

8

Castable abutment

- Adjustable
- Passing screw (torx) code PSXQA

Code	Packaging
01AACX	1 piece

LEADERQUICK

Cylindrical Ø 3,3 - 3,75 | Tapered Wide thread Ø 4,0 | Platform Ø 4,1

Connections / Torx ratchets for passing screws

For ratchet

ES 2 mm

01TWQ

For screws 01PSXQA1
01PSXQA2
01PSXQA3

Fixing at 35 Ncm

Torx

01TWQT

For screws 01PSXQT
01PSXQA*
01PSXQP*

*Fixing at 15 Ncm

For contra-angle

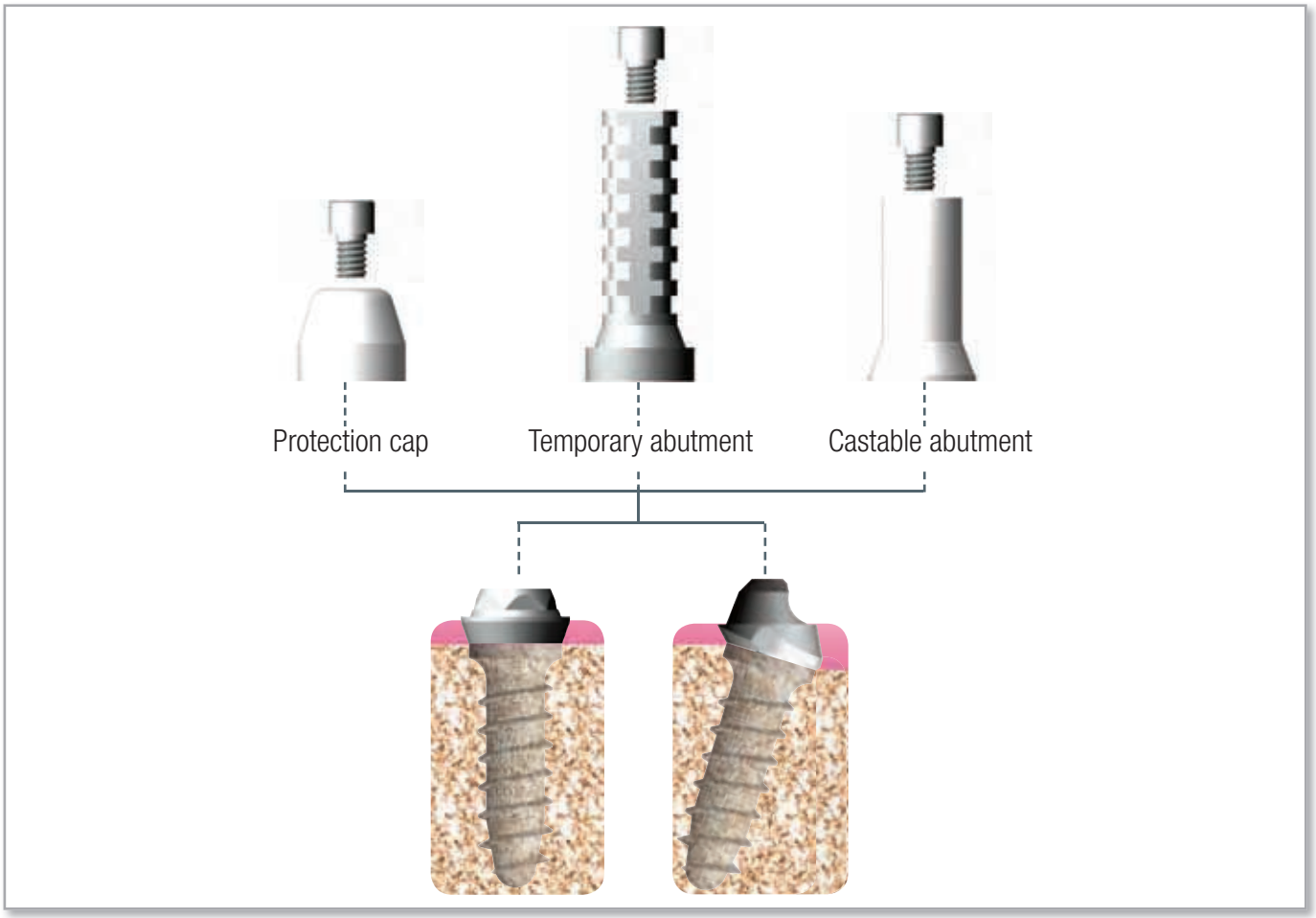
Short
Long

Torx

01TLCAQTS
01TLCAQTL

For screws 01PSXQT
01PSXQA*
01PSXQP*

*Fixing at 15 Ncm



GENERAL TIPS

LEADERQUICK procedure is ideal in cases of full edentulous arches, considering the minimum bone features necessary:

- Full edentulous **upper jaw**
  Minimum thickness 5 mm
  Minimum height 10 mm between canines

- Full edentulous **lower jaw**
  Minimum thickness 5 mm
  Minimum height 8 mm between the mental foramen

Posterior implants maximum tilt angle should be 45°

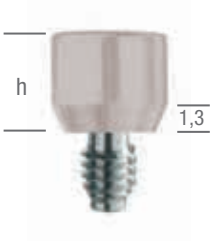
Cylindrical Ø **5,0** | Tapered Wide thread Ø **5,0** | Platform Ø **5,0**

NOTE: All prosthetic components are available also in packaging of 10 pcs; ordering code ...../10

Healing screw

- Titanium gr 5
- Different heights

Height (h)	Transmucous Ø	Code	Packaging
2 mm	5,0 mm	**01HCX502**	1 piece
4 mm	5,0 mm	**01HCX504**	1 piece
6 mm	5,0 mm	**01HCX506**	1 piece



TECAPEEK Healing screw

- Aesthetic
- Biocompatible
- Inhibition to bacterial attack
- Chemical inertia
- Autoclavable
- Passing screw

Height (h)	Transmucous Ø	Code	Passing screw	Packaging
4 mm	5 mm	**01HPKCX504**	PSTXXS	1 piece
6 mm	5 mm	**01HPKCX506**	PSKX6	1 piece

Impression transfer with long screw

- Titanium gr 5
- Long passing screw h 14 mm, code PSXTL
- To be used with individual open tray (pick-up technique)

Transmucous Ø	Code	Packaging
5,0 mm	**01TRX50**	1 piece

SMART TRANSFER
See page 32

Laboratory analog

- Titanium gr 5

Platform Ø	Code	Packaging
5,0 mm	**01ANX5**	1 piece

Standard straight abutment with screw

- Titanium gr 5
- Different diameters
- Adjustable
- Short passing screw (code PSXTS)

	Transmucous Ø	Code	Packaging
	5,0 mm	**01ATIX5**	1 piece
for frictioning connection	5,0 mm	**01ATIXF5***	1 piece

NOTE:
It is possible to apply the so called "**Platform switching**", i.e. to **apply a narrower abutment on a larger platform,** so that the possible inflammation is spread on an horizontal area rather than on a vertical wall. With this technique the crestal bone resorption can be avoided thus enhancing also the volume and quality of the soft tissues (better stability, better aesthetic).

Implants with platform Ø 5 → Prosthetic component with platform Ø 4,1

*Each frictioning abutment is equipped with PSXF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Cylindrical Ø **5,0** | Tapered Wide thread Ø **5,0** | Platform **Ø 5,0**

Castable abutment gold or chrome-cobalt coping with screw

- Gold coping
- Castable
- Extractor code PSES
- Passing screw code PSTXXS
- Availabe with gold or chrome-cobalt alloy base

	Transmucous Ø	Code		Packaging
Gold base	5,0 mm	**01AGCLRX5**	rotating	1 piece
	5,0 mm	**01AGCLX5**	anti-rotation	1 piece
	5,0 mm	**01AGCLXF5*** (1)		1 piece
Cr-co base	5,0 mm	**01ACRCLX5**		1 piece

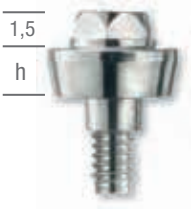
(1) tight the tapered passing screw at 40 Ncm

PRE-HEATING:
720° for metal acrylic; 830° for metal ceramic
30 min. from the final temperature suggested overcastting with noble alloy (60% gold)

Anti-rotation castable abutment with screw

- Adjustable
- Short passing screw code PSCLXS

	Code	Packaging
	01CLX50	1 piece
for frictioning connection	**01CLXF50***	1 piece



Anti-rotation abutment with screw

- Titanium gr 5
- Anti-rotation abutment for screw retained prosthesis
- To be used with castable abutments code ACLX50A – ACLRX50A
- Extractor code PSES
- Passing screw with threaded head

Height (h)	Screw code	Code	Packaging
Neck 1 mm	PSX1	**01AATIX501A**	1 piece

rotating anti-rotation

Rotating/Anti-rotation castable abutment with screw

1) Castable adjustable
2) Titanium short fixing screw code PSAS

- Usable with anti-rotation abutment for screw-retained denture
- Rotating: ideal for bar retained prosthesis (overdenture)
- Anti-rotation: ideal for single crowns

	Code		Packaging
	01ACLRX50A	rotating	1 piece
	01ACLX50A	anti-rotation	1 piece

NOTE:
It is possible to apply the so called "**Platform switching**", i.e. to **apply a narrower abutment on a larger platform,** so that the possible inflammation is spread on an horizontal area rather than on a vertical wall. With this technique the crestal bone resorption can be avoided thus enhancing also the volume and quality of the soft tissues (better stability, better aesthetic).

Implants with platform Ø 5 → Prosthetic component with platform Ø 4,1

*Each frictioning abutment is equipped with PSXF tapered passing screw. WARNING: insert the abutment taking care that the hex connection is perfectly accommodated in its site. Then fix it screwing the tapered screw in. Use driver TLM16S and connections TW16L (manual) / TLCA16L (contra-angle).

Fractured screw retrieval kit

To retrieve fractured abutment passing screws

1) Tool to be inserted inside the implant
2) Fork to be inserted inside the device (1)
3) Drill to be used inside the device (1) to reduce the fractured screw (code 01K55F)

	Code	Packaging
	01K55	1 piece

(1)

(2)

(3)

Reamer

- Casting finishing
- Cylindrical or frictioning 5° tapered

	Ø	Code	Packaging
Cylindrical	2,5 mm	**01DTZ2**	1 piece
Tapered for frictioning connection	2,5 - 1,8 mm	**01DTZ1**	1 piece

Extraction screw

For castable and gold coping and abutments

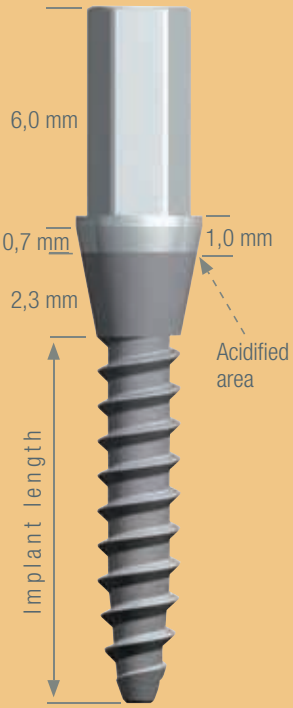
	Code	Packaging
	01PSES	1 piece

A complete range of accessories for overdenture is available.
See pages 70-71

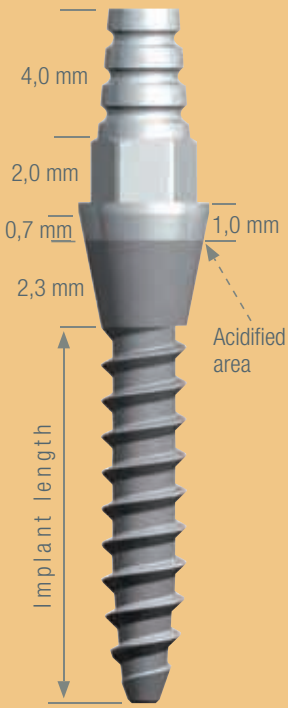
NANO

For fix prosthesis

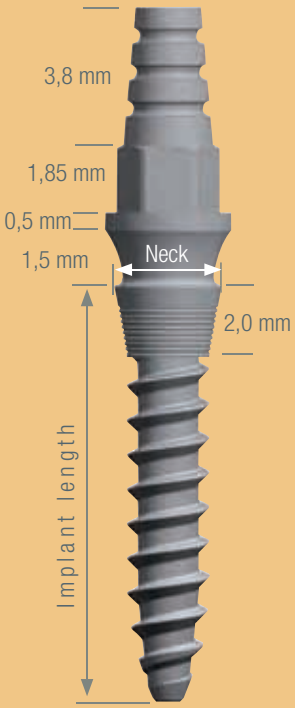
Nano



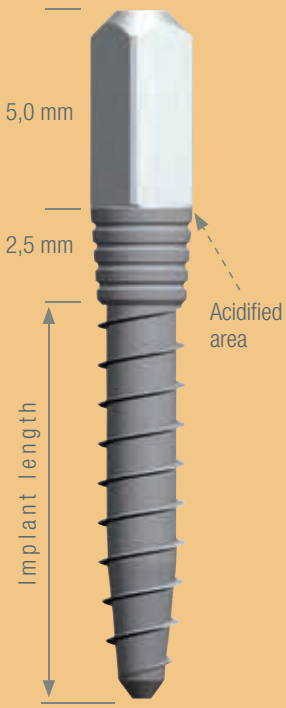
Nano 2



Nano 3



Nano Micro



Platform	Ø	Length	Nano Code	Nano 2 Code	Nano 3 Code
3,5					Neck Ø 3,0
	2,3	10,0	01IN2310	01IN22310	01IN32310
		11,5	01IN2311	01IN22311	01IN32311
		13,0	01IN2313	01IN22313	01IN32313
		16,0	01IN2316	01IN22316	01IN32316
					Neck Ø 3,2
	2,7	10,0	01IN2710	01IN22710	01IN32710
		11,5	01IN2711	01IN22711	01IN32711
		13,0	01IN2713	01IN22713	01IN32713
		16,0	01IN2716	01IN22716	01IN32716
					Neck Ø 3,7
	3,2	10,0	01IN3210	01IN23210	01IN33210
		11,5	01IN3211	01IN23211	01IN33211
		13,0	01IN3213	01IN23213	01IN33213
		16,0	01IN3216	01IN23216	01IN33216

Platform	Ø	Length	Nano Micro Code
2,65	2,3	10,0	05IN2310
		11,5	05IN2311
		13,0	05IN2313

- Self-threading grade 5 titanium fixture
- Transmucosal one-piece fixture
- Micro-roughened surface (B.O.A.T. treatment)
- Nano 3 implants have a fully acified surface
- Nano and Nano2 implants are supplied with castable abutment (included in the packaging). The package of Nano Micro includes the anti-rotation castable abutment

- Suitable for the immediate prosthetics: this means that at the end of the surgical procedure performed in a single phase, the patient can leave the dental office with a temporary fixed prosthesis. Ideal for agenesis cases.
- Nano implants are indicated for single elements.
- Nano2 and Nano3 implants, with tapered head, are indicated for multiple elements.
- Nano3 implants are particularly recommended for the platform switching technique (larger platform than the transmucosal part, ideal concept to respect the biological thickness).
- Nano MICRO implants are recommended in case of very narrow spaces.

Packaging

- Packaging in compliance with ISO 11607-1 and 2.
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years by waterproof double packaging in airtight sealed glass vial and blister

Nano / Nano 2 / Nano 3

Ø 2,3

Platform: Ø 3,5 mm | Thread pitch: 0,95 mm | Tapered apex

Nano		Nano 2		Nano 3	
Length	Code	Length	Code	Length	Code
10,0	**01IN2310**	10,0	**01IN22310**	10,0	**01IN32310**
11,5	**01IN2311**	11,5	**01IN22311**	11,5	**01IN32311**
13,0	**01IN2313**	13,0	**01IN22313**	13,0	**01IN32313**
16,0	**01IN2316**	16,0	**01IN22316**	16,0	**01IN32316**

Recommended drill sequence

Cortical drill Ø 1,8	Twist drill Ø 1,8	In compact bone	Countersink Ø 3,5
DSP18	DSS18S		CSN
	DSS18L		
Max. speed 800 rpm	Max. speed 800 rpm		Max. speed 250 rpm

Ø 2,7

Platform: Ø 3,5 mm | Thread pitch: 1,25 mm | Tapered apex

Nano		Nano 2		Nano 3	
Length	Code	Length	Code	Length	Code
10,0	**01IN2710**	10,0	**01IN22710**	10,0	**01IN32710**
11,5	**01IN2711**	11,5	**01IN22711**	11,5	**01IN32711**
13,0	**01IN2713**	13,0	**01IN22713**	13,0	**01IN32713**
16,0	**01IN2716**	16,0	**01IN22716**	16,0	**01IN32716**

Recommended drill sequence

Cortical drill Ø 1,8	Twist drill Ø 2,0	In compact bone	Countersink Ø 3,5
DSP18	DSS20S		CSN
	DSS20L		
Max. speed 800 rpm	Max. speed 800 rpm		Max. speed 250 rpm

NOTE: An annual check of the implant stability is recommended

Ø 3,2

Platform: Ø 3,5 mm | Thread pitch: 1,25 mm | Tapered apex

Nano

Length	Code
10,0	**01IN3210**
11,5	**01IN3211**
13,0	**01IN3213**
16,0	**01IN3216**

Nano 2

Length	Code
10,0	**01IN23210**
11,5	**01IN23211**
13,0	**01IN23213**
16,0	**01IN23216**

Nano 3

Length	Code
10,0	**01IN33210**
11,5	**01IN33211**
13,0	**01IN33213**
16,0	**01IN33216**

Recommended drill sequence

Cortical drill Ø 1,8 → DSP18 → Max. speed 800 rpm

In compact bone

Twist drill Ø 2,0	Twist drill Ø 2,6	Countersink Ø 3,5
DSS20S	DSS26S	CSN
DSS20L	DSS26L	
Max. speed 800 rpm	Max. speed 500 rpm	Max. speed 250 rpm

In soft bone

Twist drill Ø 2,6 → DSS26S / DSS26L → Max. speed 500 rpm

Nano Micro

Ø 2,3

Platform: Ø 2,65 mm | Micro-roughened neck: h 2,5 mm | Thread pitch: 1,0 mm | Tapered apex

Nano micro

Length	Code
10,0	**05IN2310**
11,5	**05IN2311**
13,0	**05IN2313**

Recommended drill sequence

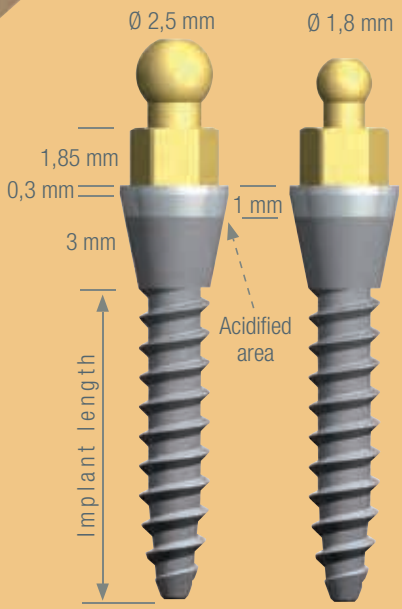
Cortical drill Ø 1,8	Twist drill Ø 1,8
DSP18	DSS18S
	DSS18L
Max. speed 800 rpm	Max. speed 800 rpm

NOTE: An annual check of the implant stability is recommended

NANO

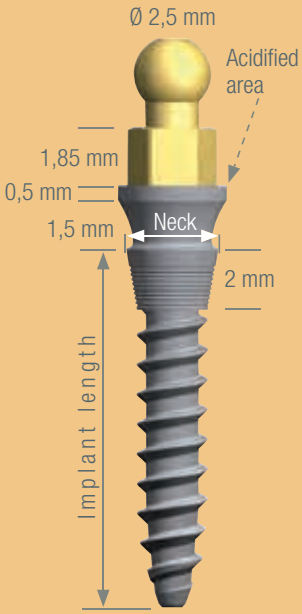
For removable prosthesis

Nano OVD



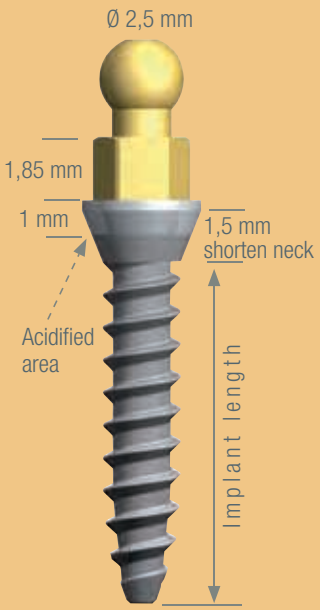
Normo ball Micro ball

Nano OVD 2



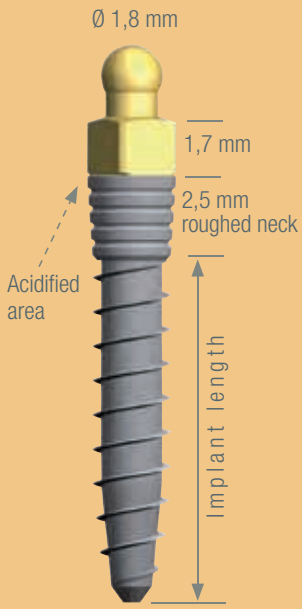
Normo ball

Nano OVD Short



Normo ball

Nano OVD Micro



Micro ball

Platform		Ø	Length	Nano OVD Normo ball Code	Nano OVD Micro ball Code	Nano OVD 2 Normo ball Code	Nano OVD Short Normo ball Code
3,5	Thread pitch 0,95					Neck Ø 3,0	
		2,3	10,0	01IN02310	01IN0M2310	01IN022310	01IN0S2310
			11,5	01IN02311	01IN0M2311	01IN022311	01IN0S2311
			13,0	01IN02313	01IN0M2313	01IN022313	01IN0S2313
			16,0	01IN02316	-	01IN022316	01IN0S2316
	Thread pitch 1,25					Neck Ø 3,2	
		2,7	10,0	01IN02710	01IN0M2710	01IN022710	01IN0S2710
			11,5	01IN02711	01IN0M2711	01IN022711	01IN0S2711
			13,0	01IN02713	01IN0M2713	01IN022713	01IN0S2713
			16,0	01IN02716	01IN0M2716	01IN022716	01IN0S2716
						Neck Ø 3,7	
		3,2	10,0	01IN03210	01IN0M3210	01IN023210	01IN0S3210
			11,5	01IN03211	01IN0M3211	01IN023211	01IN0S3211
			13,0	01IN03213	01IN0M3213	01IN023213	01IN0S3213
			16,0	01IN03216	01IN0M3216	01IN023216	01IN0S3216

Platform	Ø	Length	Nano OVD Micro ball Code
2,65	2,3	10,0	05IN02310
		11,5	05IN02311
		13,0	05IN02313

- Self-threading grade 5 titanium fixture
- Transmucosal one-piece fixture
- Micro-roughened surface (B.O.A.T. treatment)
- Nitrided upper part

- Nano OVD implants allow to transform a mobile prosthesis in a fixed removable one.
- They are suitable for the immediate loading: this means that, at the end of the surgical procedure performed in a single phase, the patient can leave the dental office with a temporary fixed prosthesis.
- All mini implants NANO OVD, in particular the shorter lengths, are indicated for multiple insertion – we recommend the insertion of 4 fixtures to obtain an ideal implanto-prosthetic rehabilitation.

  All NANO OVD implants are indicated only for the insertion in the lower jaw, between the two mental foramen.
- In case of a reduced mucosal thickness, it is possible to use the Nano OVD short with a neck of only 1.8mm height.
- Nano OVD MICRO implants are recommended in case of very narrow spaces.

Packaging

- Packaging in compliance with ISO 11607-1 and 2.
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years by waterproof double packaging in airtight sealed glass vial and blister

Ø 2,3

Platform: Ø 3,5 mm | Thread pitch: 0,95 mm | Tapered apex

Nano OVD

Acidified neck: h 2,3 mm

Normo ball

Length	Code
10,0	**01IN02310**
11,5	**01IN02311**
13,0	**01IN02313**
16,0	**01IN02316**

Micro ball

Length	Code
10,0	**01IN0M2310**
11,5	**01IN0M2311**
13,0	**01IN0M2313**

Nano OVD 2

Acidified neck

Normo ball

Length	Code
10,0	**01IN022310**
11,5	**01IN022311**
13,0	**01IN022313**
16,0	**01IN022316**

Nano OVD Short

Acidified neck: h 0,8 mm

Normo ball

Length	Code
10,0	**01IN0S2310**
11,5	**01IN0S2311**
13,0	**01IN0S2313**
16,0	**01IN0S2316**

Recommended drill sequence

Cortical drill Ø 1,8	Twist drill Ø 1,8	In compact bone	Countersink Ø 3,5
DSP18	DSS18S		CSN
	DSS18L		
Max. speed 800 rpm	Max. speed 800 rpm		Max. speed 250 rpm

Ø 2,7

Platform: Ø 3,5 mm | Thread pitch: 1,25 mm | Tapered apex

Nano OVD

Acidified neck: h 2,3 mm

Normo ball

Length	Code
10,0	**01IN02710**
11,5	**01IN02711**
13,0	**01IN02713**
16,0	**01IN02716**

Micro ball

Length	Code
10,0	**01IN0M2710**
11,5	**01IN0M2711**
13,0	**01IN0M2713**
16,0	**01IN0M2716**

Nano OVD 2

Acidified neck

Normo ball

Length	Code
10,0	**01IN022710**
11,5	**01IN022711**
13,0	**01IN022713**
16,0	**01IN022716**

Nano OVD Short

Acidified neck: h 0,8 mm

Normo ball

Length	Code
10,0	**01IN0S2710**
11,5	**01IN0S2711**
13,0	**01IN0S2713**
16,0	**01IN0S2716**

Recommended drill sequence

Cortical drill Ø 1,8	Twist drill Ø 2,0	In compact bone	Countersink Ø 3,5
DSP18	DSS20S		CSN
	DSS20L		
Max. speed 800 rpm	Max. speed 800 rpm		Max. speed 250 rpm

NOTE: An annual check of the implant stability is recommended

Ø 3,2

Platform: Ø 3,5 mm | Thread pitch: 1,25 mm | Tapered apex

Nano OVD

Acidified neck: h 2,3 mm

Normo ball

Length	Code
10,0	01IN03210
11,5	01IN03211
13,0	01IN03213
16,0	01IN03216

Micro ball

Length	Code
10,0	01IN0M3210
11,5	01IN0M3211
13,0	01IN0M3213
16,0	01IN0M3216

Nano OVD Short

Acidified neck: h 0,8 mm

Normo ball

Length	Code
10,0	01IN0S3210
11,5	01IN0S3211
13,0	01IN0S3213
16,0	01IN0S3216

Nano OVD 2

Acidified neck

Normo ball

Length	Code
10,0	01IN023210
11,5	01IN023211
13,0	01IN023213
16,0	01IN023216

Recommended drill sequence

Cortical drill Ø 1,8 → DSP18 → Max. speed 800 rpm

In compact bone

Twist drill Ø 2,0	Twist drill Ø 2,6	Countersink Ø 3,5
DSS20S	DSS26S	CSN
DSS20L	DSS26L	
Max. speed 800 rpm	Max. speed 500 rpm	Max. speed 250 rpm

In soft bone

Twist drill Ø 2,6
DSS26S
DSS26L
Max. speed 500 rpm

Nano Micro

Ø 2,3

Platform: Ø 2,65 mm | roughed neck: h 2,1 mm | Thread pitch: 1,0 mm | Tapered apex

Nano OVD Micro

Micro ball

Length	Code
10,0	05IN02310
11,5	05IN02311
13,0	05IN02313

Recommended drill sequence

Cortical drill Ø 1,8	Twist drill Ø 1,8
DSP18	DSS18S
	DSS18L
Max. speed 800 rpm	Max. speed 800 rpm

NOTE: An annual check of the implant stability is recommended

Cortical drill

In surgical steel.

Ø 1,8 mm

05DSP18

Countersink

max 500 rpm

In gr 5 titanium.

Ø 3,5 mm

01CSN

Unica" Twist drill, in stainless steel with stop

Short 34,5 mm | Long 40,5 mm

Surgical steel, TiN coated. Working length: 16.5 mm. Max. use: 10 site preparations.

Use of Twist drills with stops

They are used with the stops applied at the desired length, matching the implant one. They are also laser marked, so that they can be used also without stops.

The "Unica" drill can be used for the whole range of Leader Italia implants.

Length	Ø 1,8 mm	Ø 2,0 mm (pilot)	Ø 2,6 mm
34,5 mm	05DSS18S	05DSS20S	05DSS26S
40,5 mm	05DSS18L	05DSS20L	05DSS26L

NOTE We recommend to replace the o-rings frequently, since they are susceptible to wear due to frequent sterilization cycles.

Calibrated stops

In gr 5 titanium. They are applied on the drill to reach the desired working length.
They are very useful when working near sensible areas such as lower alveolar site and upper sinus.
Note: the stops height is referred to the lowest surface of the bone crest.

For drills Ø	1,8 - 2,0	2,6
Height		
10 mm	05STP182010	05STP263210
11,5 mm	05STP182011	05STP263211
13 mm	05STP182013	05STP263213

Calibrated stop kit (Pack. 4 pcs: h 8-10-11,5-13 mm)

For drills Ø	1,8 - 2,0 - 2,3	2,6 - 2,8 - 3,2
	05STPK1	05STPK2

Connections

In surgical steel, hex section.

For Nano, Nano2, Nano3, Nano OVD, Nano OVD2, Nano OVD Short

Contra-angle ES 2,5 mm

01TLCAN25

Ratchet ES 2,5 mm

01TWN25

In surgical steel, square section.

For Nano Micro and Nano Micro OVD

Contra-angle CH 2,0 mm

05TLCAM

Ratchet CH 2,0 mm

05TWMS Short
05TWML Long

Extension tool

Surgical steel, DLC coated.

For all drills

01TEXT

Accessories

Ratchet

01TW

Alveolar probe

01SAP1

The round tip allows the automatic check of the site and respects the maxillary sinus

Tweezers

01SATT

Manual digma

01TLM

NANO, NANO 2, NANO 3, NANO OVD, NANO OVD 2, NANO OVD Short — Ø 2,3 - 2,7 - 3,2

Laboratory analog

titanium gr 4

Code		Packaging
01ANN	for NANO	1 piece
01ANN2	for NANO 2	1 piece
01ANNO	for NANO OVD and OVD Short	1 piece
01ANN3	for NANO 3	1 piece
01ANNO2	for NANO OVD 2	1 piece

Castable abutment for cementing

- Castable abutment for cementing
- Also used like impression transfer for traditional prosthetics procedures.

Code		Packaging
01ACLCN	for NANO	1 piece
01ACLCN3	for NANO 2 and NANO 3	1 piece

NANO Micro, NANO OVD Micro Ø 2,3

Laboratory analog

Stainless steel

Code		Packaging
05ANNM	for NANO Micro	1 piece
05ANNOM	for NANO OVD Micro	1 piece

Rotating Anti-rotation

Castable abutment for cementing

- Castable abutment for cementing
- Also used as impression transfer for traditional prosthetics procedures.

Code		Packaging
05CLRNM	Rotating	1 piece
05CLNM	Anti-rotation	1 piece

Elastic retentive caps

Teflon caps.
The different colours correspond to different retention degrees. Packages of 6 pcs.
NORMO caps: 2,5 mm diameter
MICRO caps: 1,8 mm diameter

Colour	Features	NORMO ball	MICRO ball
green	very elastic	**50049PCN**	**50049PCM**
yellow	extra soft	**50060CRNAY**	**50060CRMAY**
pink	soft	**50040CRNSN**	**50040CRMSN**
white	standard	**50040CRN**	**50040CRM**
black	lab process	**50043CLN**	**50043CLM**

Extra resilient caps

Gummy.
Packages of 6 pcs.
NORMO caps: 2,5 mm diameter
MICRO caps: 1,8 mm diameter

Colour	Features	NORMO ball	MICRO ball
gold	elastic	**50048CON**	**50048COM**
silver	gummy	**50048CAN**	**50048CAM**

Titan Cap

Nylon caps with titanium internal ring. Long lasting.
Packages of 2 pcs
NORMO caps: 2,5 mm diameter
MICRO caps: 1,8 mm diameter

NORMO ball	MICRO ball
50040TCN	**50040TCM**

Stainless steel housings

To host the retentive caps. Specific design, with flap top for resin.
Packages of 2 pcs.
NORMO caps: 2,5 mm diameter
MICRO caps: 1,8 mm diameter

NORMO ball	MICRO ball
50041CAN Height 3,10 mm	**50041CAM** Height 2,8 mm

Disposable directional rings

To align and fix the retentive caps in the overdenture.
0°, 7° and 14° tilting.
Assorted package (1 of a kind)

	Packaging
50100AD	3 pieces

OT Box Classic

Including:
- 2 upper bars
- 2 lower bars
- 4 plastic positioners
- 4 connectors

NORMO ball	MICRO ball	Packaging
50153BCN	**50153BCM**	12 pieces

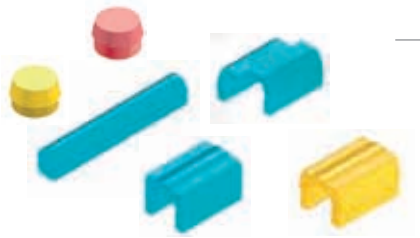
OT Cap Tecno Titan box

Including:
- 1 OT Cap Tecno bar
- 2 TiN covered concave spheres
- 2 Titan Caps
- 1 transparent inserting tool

NORMO ball	MICRO ball	Packaging
50090TCN	**50090TCM**	6 pieces

OT Bar Multiuse

Including:
- 2 castable bars
- 8 positioning clips
- 4 castable boxes
- 4 pink retentive clips
- 4 yellow retentive clips
- 2 connectors

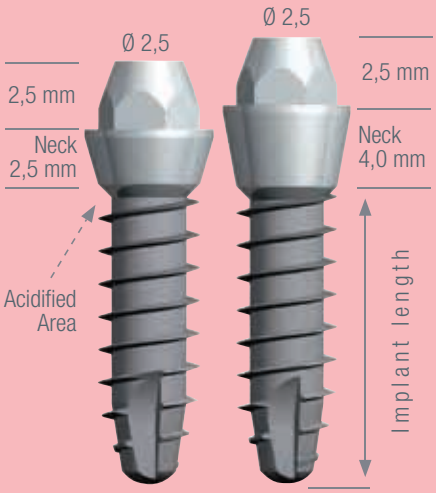


	Packaging
50021OBM	24 pieces

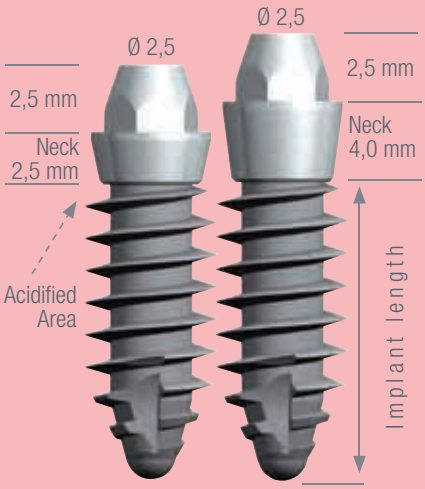
Manufactured by Rhein83 srl

S-TYPE

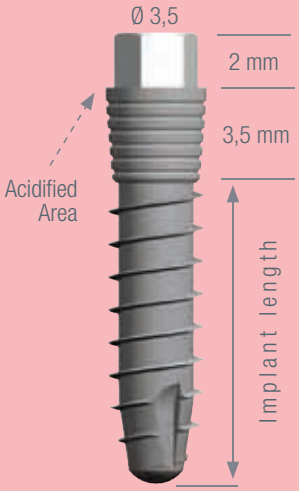
Transmucous



PX (post extractive)



XT (extended)



Titanium abutment | Castable abutment | Ball abutment

Transmucous

Platform	Ø	Length	Neck Height 2,5	Neck Height 4,0
4,75	3,75	9,0	**05IST370925**	**05IST370940**
		11,0	**05IST371125**	**05IST371140**
		13,0	**05IST371325**	**05IST371340**
	4,25	9,0	**05IST420925**	**05IST420940**
		11,0	**05IST421125**	**05IST421140**
		13,0	**05IST421325**	**05IST421340**
	4,75	9,0	**05IST470925**	**05IST470940**
		11,0	**05IST471125**	**05IST471140**
		13,0	**05IST471325**	**05IST471340**

XT (extended)

Platform	Ø	Length	
3,7	3,5	9,0	**05ISTXT350935**
		11,0	**05ISTXT351135**
		13,0	**05ISTXT351335**

PX (post extractive)

Platform	Ø	Length	Neck Height 2,5	Neck Height 4,0
4,75	5,25	9,0	**05ISTPX520925**	**05ISTPX520940**
		11,0	**05ISTPX521125**	**05ISTPX521140**
		13,0	**05ISTPX521325**	**05ISTPX521340**

Transmucous implant is a mono phase fixture to be placed with a very simple, minimal invasive surgery. Ideal implant-prosthetic rehabilitation for single or multiple elements: in fact, it is possible to choose between titanium abutment and rotating castable abutment or with an anti-rotation mechanism, for such kind of prosthesis:

- bar retained overdenture
- screwed bridge
- cemented bridge
- Toronto bridge (screwed overdenture)

PX (post extractive) implant is used exclusively as a post-extraction implant, thanks to its particular apical design that reproduces the anatomy of the root, thus allowing a perfect positioning in the post-extraction socket.

- Self-threading grade 4 titanium fixture
- It allows disparallelism up to 20°
- Microroughened surface (B.O.A.T. treatment)
- Three anti-rotation threads in the apical portion
- Surgical screw included in the packaging

S-Type XT (extended) implants are a real innovation from the prosthetic point of view.
In fact, with a diameter of 3,5 mm (neck height 3,5 mm), they allow the insertion of different abutments:

- titanium abutment (rotating and anti-rotation)
- castable abutment (rotating and anti-rotation)
- ball abutment

The different abutments are interchangeable on the same implant, also in different stages.
Their versatility allows to pass in a fast way from a traditional prosthetic solution to the OVD system simply unscrewing the abutment and substituting it with a ball. Moreover, in case of an overdenture, the consumed ball can be substituted with a new one without touching the osseointegrated implant.

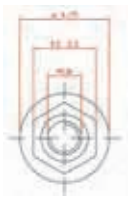
- Self-threading grade 5 titanium fixture
- Microroughened surface (B.O.A.T. treatment)
- Three anti-rotation threads in the apical portion
- Surgical screw NOT included in the packaging

Packaging

- Packaging in compliance with ISO 11607-1 and 2.
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years by waterproof double packaging in airtight sealed glass vial and blister

Ø 3,75

Platform: Ø 4,75 mm | Body: Ø 2,75 mm | Thread pitch: 1,2 mm | Tapered apex



Length	Neck h 2,5 mm
9,0	05IST370925
11,0	05IST371125
13,0	05IST371325

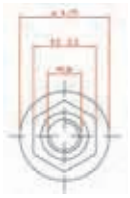
Length	Neck h 4,0 mm
9,0	05IST370940
11,0	05IST371140
13,0	05IST371340

Surgical protocol

Tissue punch* Ø 5	Cortical drill Ø 2,3	Cylindrical drill Ø 2,75	In compact bone	Countersink Ø 4,75	Bone tap Ø 3,75
MTCA50	DSP	DSS275		CSFX	CT37
	Max. speed 500 rpm	Max. speed 500 rpm		Max. speed 250 rpm	Speed 15 to 18 rpm

Ø 4,25

Platform: Ø 4,75 mm | Body: Ø 2,75 mm | Thread pitch: 1,2 mm | Tapered apex



Length	Neck h 2,5 mm
9,0	05IST420925
11,0	05IST421125
13,0	05IST421325

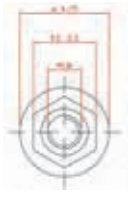
Length	Neck h 4,0 mm
9,0	05IST420940
11,0	05IST421140
13,0	05IST421340

Surgical protocol

Tissue punch* Ø 5	Cortical drill Ø 2,3	Cylindrical drill Ø 2,75	In compact bone	Countersink Ø 4,75	Bone tap Ø 4,25
MTCA50	DSP	DSS275		CSFX	CT42
	Max. speed 500 rpm	Max. speed 500 rpm		Max. speed 250 rpm	Speed 15 to 18 rpm

Ø 4,75

Platform: Ø 4,75 mm | Body: Ø 3,25 mm | Thread pitch: 1,2 mm | Tapered apex



Length	Neck h 2,5 mm
9,0	05IST470925
11,0	05IST471125
13,0	05IST471325

Length	Neck h 4,0 mm
9,0	05IST470940
11,0	05IST471140
13,0	05IST471340

Surgical protocol

Tissue punch* Ø 5	Cortical drill Ø 2,3	Cylindrical drill Ø 2,75	Cylindrical drill Ø 3,25	In compact bone	Countersink Ø 4,75	Bone tap Ø 4,75
MTCA50	DSP	DSS275	DSS325		CSFX	CT47
	Max. speed 500 rpm	Max. speed 500 rpm	Max. speed 500 rpm		Max. speed 250 rpm	Speed 15 to 18 rpm

*The choice of surgical technique - using the tissue punch or performing a flap - is up to the clinician

Ø 5,25

Platform: Ø 4,75 mm | Body: Ø 3,25 mm | Thread pitch: 1,2 mm | Tapered apex

PX (post extractive)

Length	Neck h 2,5 mm
9,0	05ISTPX520925
11,0	05ISTPX521125
13,0	05ISTPX521325

Length	Neck h 4,0 mm
9,0	05ISTPX520940
11,0	05ISTPX521140
13,0	05ISTPX521340

Surgical protocol

Tissue punch* Ø 5	Cortical drill Ø 2,3	Cylindrical drill Ø 2,75	Cylindrical drill Ø 3,25	In compact bone	Countersink Ø 4,75	Bone tap Ø 5,25
MTCA50	DSP	DSS275	DSS325		CSFX	CT47
	Max. speed 500 rpm	Max. speed 500 rpm	Max. speed 500 rpm		Max. speed 250 rpm	Speed 15 to 18 rpm

Ø 3,5

Platform: Ø 3,7 mm | Transmucous part: h 2 mm | Body: Ø 2,75 mm | Thread pitch: 1,2 mm | Tapered apex

XT (extended)

Length	Code
9,0	05ISTXT350935
11,0	05ISTXT351135
13,0	05ISTXT351335

Surgical protocol

Cortical drill Ø 2,3	Cylindrical drill Ø 2,75	Bone tap Ø 3,5
DSP	DSS275	CT35
Max. speed 500 rpm	Max. speed 500 rpm	Speed 15 to 18 rpm

Cortical drills

In surgical steel.

Ø 1,8 mm	Ø 2,3 mm
05DSP18	05DSP

Tissue punch

In gr 5 titanium.

Ø 5,0 mm
05MTCA50

Cylindrical drills with stops

In surgical steel.

Ø 2,75 mm
05DSS275

Ø 3,25 mm
05DSS325

Use of drills with stop
They are used with the stops applied at the desired length, matching the implant one.
They are also laser marked, so that they can be used also without stops.
The “Unica” drill can be used for the whole range of Leader Italia implants.
Max. use: 10 site preparations

Countersink

max 250 rpm

In gr 5 titanium.

Ø 4,75 mm
05CSFX

Calibrated stops

In surgical steel.

Height	For drills with stop
9 mm	05STP09
11 mm	05STP11

They are applied on the drill to reach the desired working length.
They are very useful when working near sensible areas such as lower alveolar site and upper sinus.

Extension tool

Surgical steel, DLC coated.

For all drills
01TEXT

Bone taps

In gr. 5 titanium.

Ø 3,75 mm

05CT37

Ø 4,25 mm

05CT42

Ø 4,75 mm

05CT47

Ø 5,25 mm

05CT52

Connections

In surgical steel, hex section.

Short

Ø 2,5 mm

05TEXSTS

Long

Ø 2,5 mm

05TEXSTL

Accessories

Ratchet

01TW

Alveolar probe

05SAP

The round tip allows the automatic check of the site and respects the maxillary sinus

Tweezers

01SATT

Titanium

Manual digma

05TLMST2

Handle for digma

05BTLM

for TLMST2

Cortical drill

In surgical steel.

Ø 2,3 mm

05DSP

Bone Tap

In surgical steel.

Ø 3,5 mm

05CT35

Cylindrical drills with stops

In surgical steel.

Ø 2,75 mm

05DSS275

Calibrated stops

In surgical steel.

Height	For drills with stop
9 mm	**05STP09**
11 mm	**05STP11**

Connections

In surgical steel, hex section.

Manual

05TWXT
Short

05TWXTL
Long

Contra-angle

05TLCAXT

Accessories

Ratchet

01TW

Alveolar probe

05SAP

The round tip allows the automatic check of the site and respects the maxillary sinus

Tweezers

01SATT

Titanium

Manual digma

05TLMST2

Handle for digma

05BTLM

for TLMST2

Transfer

- Titanium gr 5
- Passing screw code PSTR

Code	Packaging
05TR475	1 piece

Laboratory analog

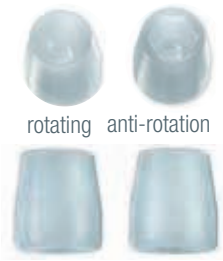
Stainless steel

Code	Packaging
05ANST	1 piece

Rotating/Anti-rotation titanium abutment with screw

- Titanium gr 5
- Adjustable
- Passing screw code PS
- Anti-rotation for single elements
- Rotating for multiple elements: allows disparallelism up to 20°

Code		Packaging
05ATIR	rotating	1 piece
05ATI	anti-rotation	1 piece



Rotating/Anti-rotation castable abutment with screw

- Adjustable
- Passing screw code PS
- Anti-rotation for single elements
- Rotating for multiple elements: allows disparallelism up to 20°

Code		Packaging
05CLR	rotating	1 piece
05CL	anti-rotation	1 piece

Long tapered closing screw for abutment

- Titanium gr 5
- To be used instead of the passing screw PS in order to use the abutment as a temporary one

Code	Packaging
05HCIST	1 piece

Healing cap

- Titaniuim gr 5
- To be insterted together with the implant to enable the healing of perio-implant soft tissues

Code	Packaging
05HC3IST	1 piece

Transfer

- Titanium gr 5
- Passing screw code PSTRXT

Code	Packaging
05TRXT	1 piece

Analog

Stainless steel

Code	Packaging
05ANXT	1 piece

rotating

anti-rotation

Rotating/Anti-rotation titanium abutment with screw

- Titanium gr 5
- Adjustable
- Passing screw code PSXT
- Anti-rotation for single elements
- Rotating for multiple elements

Code		Packaging
05ATIRXT	rotating	1 piece
05ATIXT	anti-rotation	1 piece

rotating

anti-rotation

Rotating/Anti-rotation castable abutment with screw

- Adjustable
- Passing screw code PSXT
- Anti-rotation for single elements
- Rotating for multiple elements, bars or Toronto bridge

Code		Packaging
05CLRXT	rotating	1 piece
05CLXT	anti-rotation	1 piece

Ball abutment

- Titanium gr 5
- Normo ball 2,5 mm
- For overdenture to be used with teflon OT-CAP**

Code	Packaging
05AB25	1 piece

Long tapered closing screw for abutment

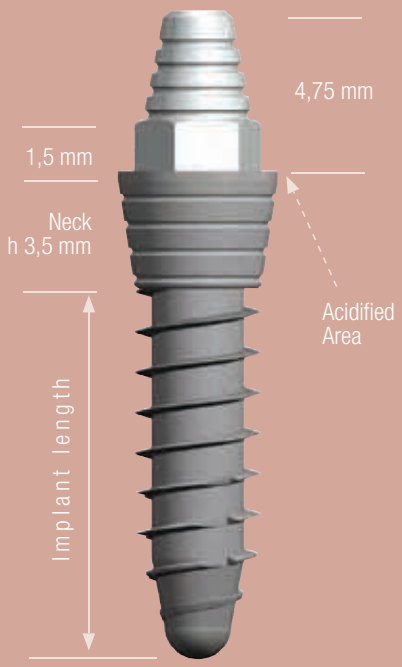
- Titanium gr 5
- To be used instead of passing screw PS in order to use the abutment as temporary one or for healing

Code	Packaging
05HCIXT	1 piece

** Teflon retentive caps see page 70-71

FIX-TYPE

Transmucous



- Self-threading grade 4 titanium fixture
- Microroughened surface (B.O.A.T. treatment)
- Tapered micro-ruled head for high retentive effect
- Three anti-rotation threads

- One-piece implant.
- The integrated abutment - height 4,75 mm - has been **designed for cemented prosthesis**.
- It allows faster impressions.
- The coronal part is already set up.
- It allows disparallelism up to 15°.

Platform 4,75

Ø	Length	Code
3,75	9,0	**05IFT3709**
	11,0	**05IFT3711**
	13,0	**05IFT3713**
4,25	9,0	**05IFT4209**
	11,0	**05IFT4211**
	13,0	**05IFT4213**

Packaging

- Packaging in compliance with ISO 11607-1 and 2.
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years by waterproof double packaging in airtight sealed glass vial and blister

Ø 3,75

Platform: Ø 4,75 mm | Body: Ø 2,75 mm | Thread pitch: 1,2 mm | Tapered apex

Length	Code
9,0	**05IFT3709**
11,0	**05IFT3711**
13,0	**05IFT3713**

Surgical protocol

Tissue punch* Ø 5	Cortical drill Ø 2,3	Cylindrical drill Ø 2,75	In compact bone	Countersink Ø 4,75	Bone tap Ø 3,75
MTCA50	DSP	DSS275		CSFX	CT37
	Max. speed 500 rpm	Max. speed 500 rpm		Max. speed 250 rpm	Speed 15 to 18 rpm

Ø 4,25

Platform: Ø 4,75 mm | Body: Ø 2,75 mm | Thread pitch: 1,2 mm | Tapered apex

Length	Code
9,0	**05IFT4209**
11,0	**05IFT4211**
13,0	**05IFT4213**

Surgical protocol

Tissue punch* Ø 5	Cortical drill Ø 2,3	Cylindrical drill Ø 2,75	In compact bone	Countersink Ø 4,75	Bone tap Ø 4,25
MTCA50	DSP	DSS275		CSFX	CT42
	Max. speed 500 rpm	Max. speed 500 rpm		Max. speed 250 rpm	Speed 15 to 18 rpm

*The choice of surgical technique - using the tissue punch or performing a flap - is up to the clinician

Cortical drill

In surgical steel.

Ø 2,3 mm

05DSP

Tissue punch

In gr. 5 titanium.

Ø 5,0 mm

05MTCA50

Cylindrical drill with stops

In surgical steel.

Ø 2,75 mm

05DSS275

Countersink

max 250 rpm

In gr. 5 titanium.

Ø 4,75 mm

05CSFX

Calibrated stops

In surgical steel.

Height
9 mm
11 mm

For drills with stop

05STP09
05STP11

Extension tool

In surgical steel, DLC coated.

For all drills

01TEXT

Bone taps

In gr. 5 titanium.

Ø 3,75 mm

05CT37

Ø 4,25 mm

05CT42

Accessories

Ratchet

01TW

Alveolar probe

05SAP

The round tip allows the automatic check of the site and respects the maxillary sinus

Tweezers

01SATT

Titanium

Manual digma

05TLMST2

Handle for digma

05BTLM

for TLMST2

Connections

In surgical steel, hex section.

Short

Ø 2,5 mm

05TEXSTS

Long

Ø 2,5 mm

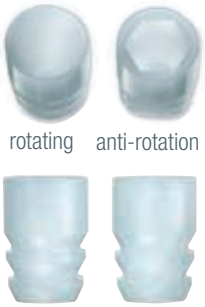
05TEXSTL

Prosthetic components for FIX-TYPE implants

Analog

Stainless steel

Code	Packaging
05ANFT	1 piece



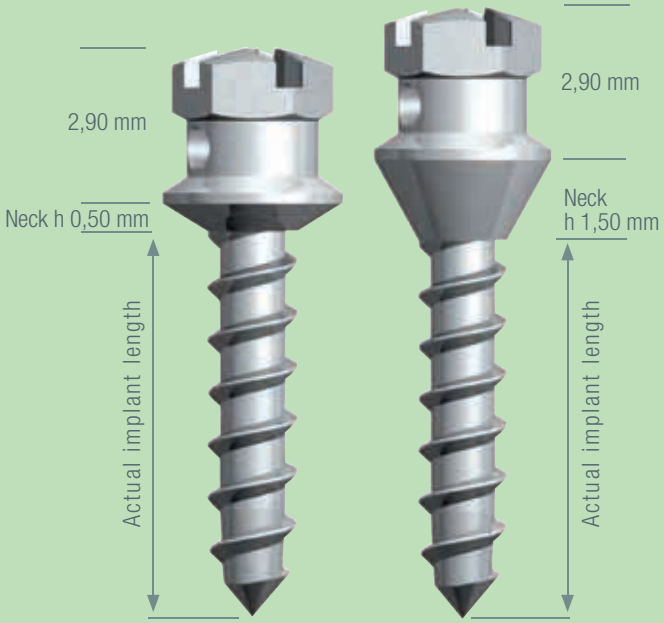
rotating anti-rotation

Rotating/Anti-rotation castable abutment

- Adjustable
- Anti-rotation for single elements and can be used as transfer
- Rotating for multiple elements: allows disparallelism up to 20°

Code		Packaging
05CLRFT	rotating	1 piece
05CLFT	anti-rotation	1 piece

ORTHOSCREW



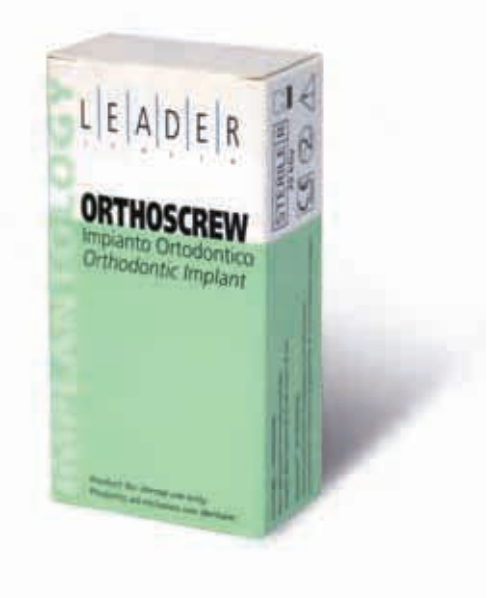
- Self-perforating and self-threading micro Implants
- Gr 5 medical titanium
- Not treated surface
- Crosswise cavity: .022" x .028"
- Hex head: 3 x h 1,4 mm

- Temporary disposable micro implants.
- Minimal risk of osseointegration.
- Hexagonal, smooth rounded head for an optimum comfort.
- They allow particularly complex movements, impossible with a conventional approach.

Ø	Length	Neck Height 0,5 Code	Neck Height 1,5 Code
1,6	5,0	**01IOS1605/3**	**01IO1605/3**
	7,0	**01IOS1607/3**	**01IO1607/3**
	9,0	**01IOS1609/3**	**01IO1609/3**
	11,0	**01IOS1611/3**	**01IO1611/3**

Packaging

- Packaging in compliance with ISO 11607-1 and 2.
- Sterilization by gamma rays 25 kGy
- Sterility guaranteed for 5 years, thanks to the double packaging
- The packaging contains:
  3 implants



Ø 1,6

Body: Ø 1,65 mm | Hole: Ø 0,8 mm | Thread pitch: 0,95 mm | Tapered apex

Neck h 0,5 mm

Length	Code
5,0	01IOS1605/3
7,0	01IOS1607/3
9,0	01IOS1609/3
11,0	01IOS1611/3

Neck h 1,5 mm

Length	Code
5,0	01IO1605/3
7,0	01IO1607/3
9,0	01IO1609/3
11,0	01IO1611/3

Surgical instruments for ORTHOSCREW implants

Drills

Steel
Ø 1,0 mm

01DS10S

Steel
Ø 1,2 mm

11DS12S

Connectors

Manual

01TWN25

Contra-angle

01TLCAN25

Accessories

Manual digma

01TLM

Screwdriver

01TLO

Empty box

01V71

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