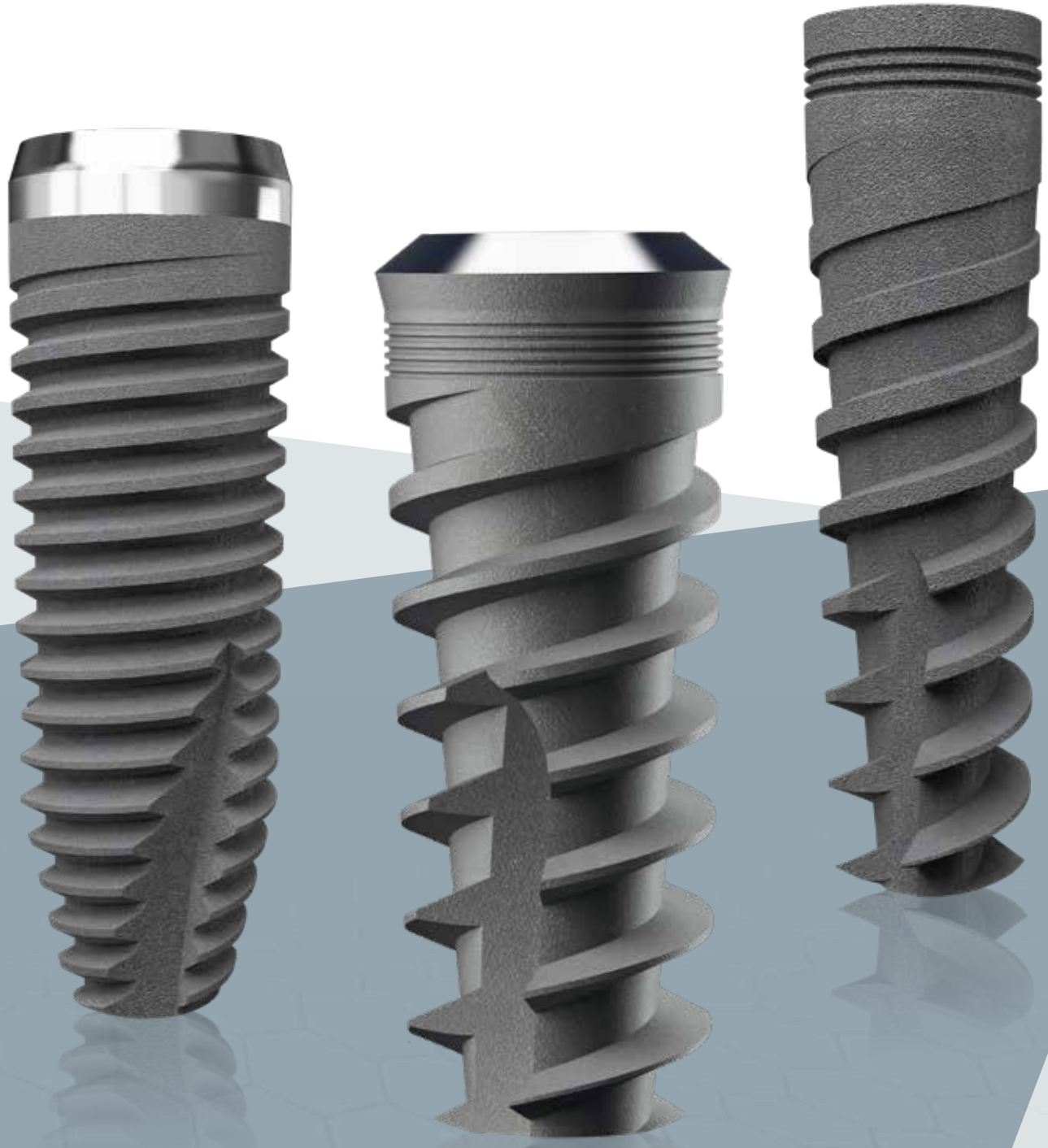
TAG



meté
Biomedical

TAG

- Self-tapping dental implant
- Internal hexagon connection
- Single platform for all diameters
- Platform switching

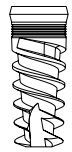
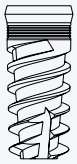
The implant design is characterised with a tapered body and a particularly aggressive, sharp and deep coil, designed for less bone removal and to provide ideal primary stability in all types of tissue.

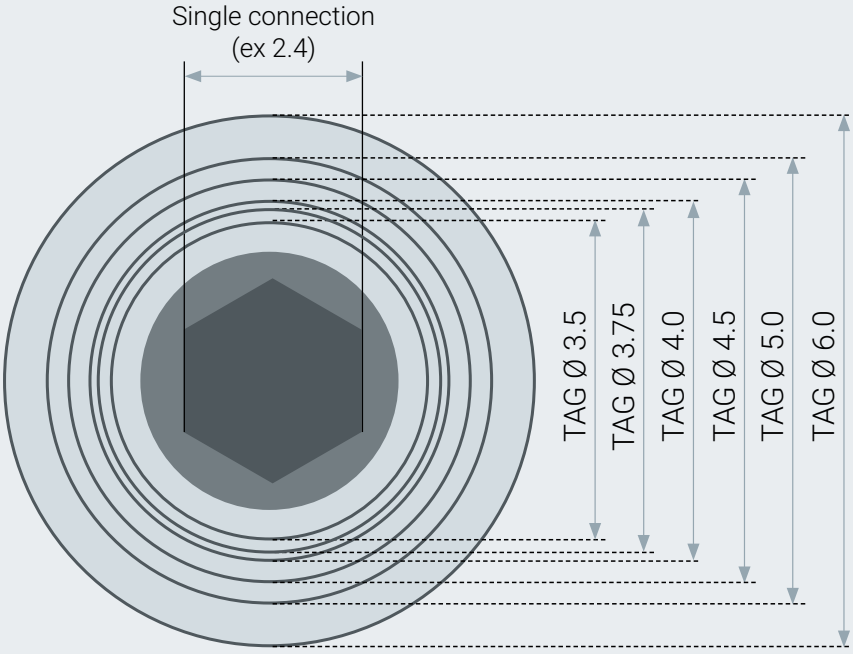
Surface Treatment “Sandblasting and acid-etching” helps to obtain a micro-roughness which enhances the speed of the osseointegration process.

Excellent decontamination is performed by using an Argon Plasma reactor in a cleanroom.

A 45° input bevel transfers the load downwards ensuring greater stability and reduces micro movements between the fixture and the abutment.

The 1,8 mm connection screw with deep engagement ensures a precision fit connection between the prosthetic parts and implant.

ø	Article	L. 6	L. 8,5	L. 10	L. 11,5	L. 13	L. 15
	mm	mm	mm	mm	mm	mm	mm
3.5		-	TAGMF001	TAGMF002	TAGMF003	TAGMF004	-
3.75		-	TAGMF033	TAGMF034	TAGMF035	TAGMF036	TAGMF037
4.0		-	TAGMF006	TAGMF007	TAGMF008	TAGMF009	TAGMF010
4.5		TAGMF011	TAGMF012	TAGMF013	TAGMF014	TAGMF015	-
5.0		TAGMF017	TAGMF018	TAGMF019	TAGMF020	TAGMF021	-
6.0		TAGMF023	TAGMF024	TAGMF025	-	-	-



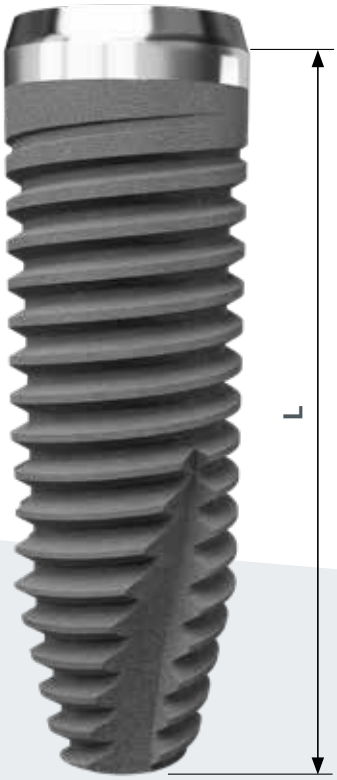
SINGLE PROSTHETIC CONNECTION FOR ALL PLATFORMS

TAG
STRAIGHT

Platform switching
1 mm machined neck

- Self-tapping straight dental implant
- Internal hexagon connection
- Single platform for all diameters
- SAE Surface Treatment for best osseointegration process

The internal hexagon connection, with conical implant-prosthetic support, ensure greater stability reducing micro movements between the fixture and the abutment.

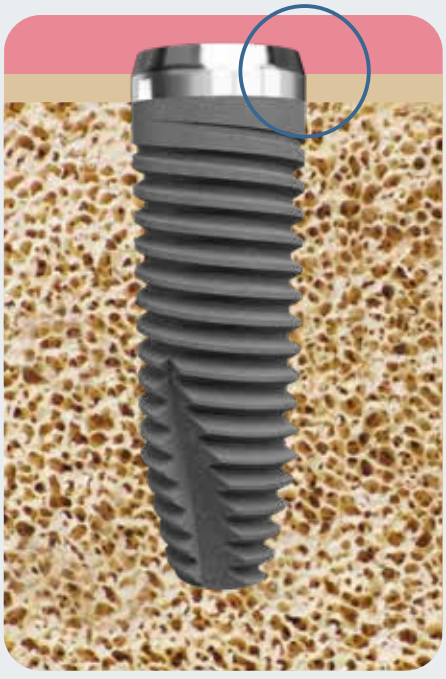


ø	L. 7	L. 8,5	L. 10	L. 11,5	L. 13
	mm	mm	mm	mm	mm
3.8	-	TAG3.8X8.5ST	TAG3.8X10ST	TAG3.8X11.5ST	TAG3.8X13ST
4.25	TAG425X7ST	TAG425X8.5ST	TAG425X10ST	TAG425X11.5ST	TAG425X13ST
5.0	-	TAG5X8.5ST	TAG5X10ST	TAG5X11.5ST	TAG5X13ST

Possibility of fixing at different transgingival heights

1mm out of bone crest

0,5mm out of bone crest



0mm out of bone crest

Healing cap

H.2 - cod. TAGVG2
H.4 - cod. TAGVG4

Analog

cod. TAGANA

Zero abutment

cod. TAGMD0

Tbase abutment
H.0.5 - cod. TAGTB05
H.1 - cod. T GTB1
H.2 - cod. TAGTB2

Tbase friction fit abutment
H.0.5 - cod. TAGTB05FF

Anatomical angled abutment 15°

H.1 - cod. TAGMAA151
H.2 - cod. TAGMAA152

Titanium temporary abutment non engaging

cod. TAGMPR

Base Cr/Co

cod. TAGCR

Ball abutment

H.1 - cod. TAGASF1
H.2 - cod. TAGASF2
H.3 - cod. TAGASF3
H.4 - cod. TAGASF4

Transfer open tray

cod. TAGTRO

Straight abutment

H.1 - cod. TAGMD1
H.2 - cod. TAGMD2
H.3 - cod. TAGMD3
H.4 - cod. TAGMD4

Friction fit abutment

cod. TAGMDFF

Tbase abutment not engaging

H. 0.5 - cod. TAGTBR
H. 1 - cod. TAGTBR1
H. 2 - cod. TAGTBR2

Anatomical angled abutment 25°

H.1 - cod. TAGMAA251
H.2 - cod. TAGMAA252

Castable cylinder

cod. TAGCC

Base Cr/Co non engaging

cod. TAGCRR

Open low cap with o-ring

cod. TAGCAP

Transfer closed tray

cod. TAGTRAC

Straight abutment

cod. TAGMD

Anatomical straight abutment

H.1 - cod. TAGMDA1
H.2 - cod. TAGMDA2

Angled abutment 15°
cod. TAGMA15

Angled abutment 25°
cod. TAGMA25

Titanium temporary abutment

cod. TAGMP

Castable cylinder non engaging

cod. TAGCCR

Tag lok

H.1 - cod. TAGLOC1
H.2 - cod. TAGLOC2
H.3 - cod. TAGLOC3
H.4 - cod. TAGLOC4
H.5 - cod. TAGLOC5

Teflon cap
cod. TAGCAPT

Cap basket
cod. TAGCONT

Straight Mua

H.1 - cod. TAGMUA1
H.2 - cod. TAGMUA2
H.3 - cod. TAGMUA3
H.4 - cod. TAGMUA4

Mua healing cap

cod. TAGCG097

Mua titanium temporary abutment

cod. TAGMDMUA

Mua screw M1.4

cod. TAGVMMUA

Machine screwdriver

L20 - cod. TAGDMXS
L26 - cod. TAGDMS
L32 - cod. TAGDML

Friction fit abutment extractor

cod. TAGEXT

Machine implant driver hand adapter

cod. TAGPCM

DLC drill

2.0 / 2.5 / 2.8 / 3.0
3.2 / 3.5 / 3.65
4.0 / 4.3 / 4.5 / 5.4

Angled Mua 17°

H.2 - cod. TAGMUA172
H.3 - cod. TAGMUA173
H.4 - cod. TAGMUA174

Mua transfer

cod. TAGTRAMUA

Mua castable cylinder

cod. TAGCCMUA

Screwdriver

L10 - cod. TAGDS
L15 - cod. TAGDL

Ratchet implant driver

L12 - cod. TAGIDCS
L17 - cod. TAGIDCL

Mua machine screwdriver

cod. TAGDMUA

Dynamometric torque ratchet adjustable
0 to 35 Ncm
cod. TAGCRIDIN

Fixed ratchet
cod. TAGCRI

Drill extention

cod. TAGAIP

Angled Mua 30°

H.3 - cod. TAGMUA303
H.4 - cod. TAGMUA304
H.5 - cod. TAGMUA305

Mua analog

cod. TAGANAMUA

Abutment screw

cod. TAGVM

Ratchet screwdriver

L12 - cod. TAGDCS
L17 - cod. TAGDCL

Machine implant driver

Short - cod. TAGIDS
Long - cod. TAGIDL

Ratchet Mua screwdriver

cod. TAGDCMUA

Cortical drill

L26 - cod. TAGFL26
L32 - cod. TAGFL32

Scan abutment

cod. TAGSBI

TAG

POLITECNICO DI TORINO
Dipartimento di Scienza Applicata e Tecnologia

Decontamination guarantees perfect cleaning of the fixture, as evidenced by the various tests of cytotoxicity, XPS, cell adhesion, PCR, bioburden, apyrogenicity and sterility.

These tests are periodically repeated on all production every three mounths.
The final packaging is carried out entirely in a controlled contamination environment by using tested and validated components, guaranteed for 5 years.

DECONTAMINATION

STEP 1

Surface treatment is followed by the decontamination process carried out through 13 different passages in specific acid solutions.

• Purpose: inorganic slag remuval such as machining residues and carbon and alumina, coming from surface treatments, generally considered implants osseointegration failure possible causes.

STEP 2

Gaseous cleaning agents treatment applied by electro-chemical process performed by plasma reactor.
• Purpose: organic contamination removal such as pro-inflammatory agents.

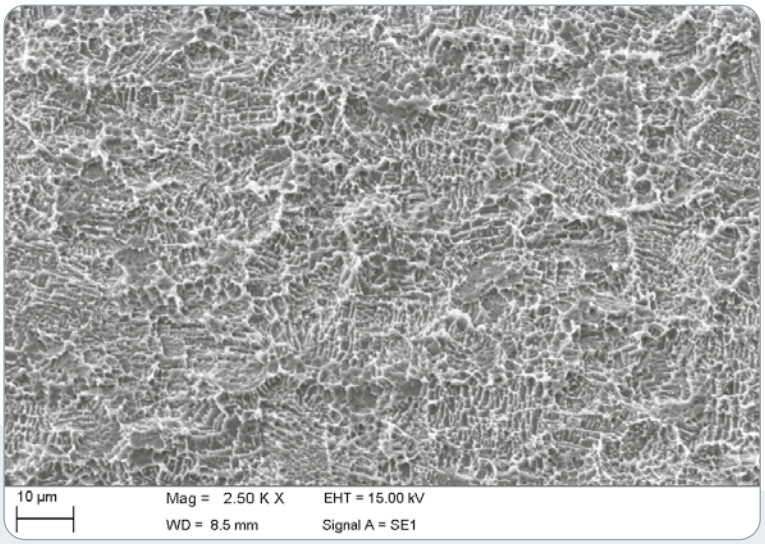
All these processes are following a strict protocol in collaboration with:
• Turin Polytechnic, Applied Science and Technology Department.
• University of Turin, Department of Surgical Sciences.

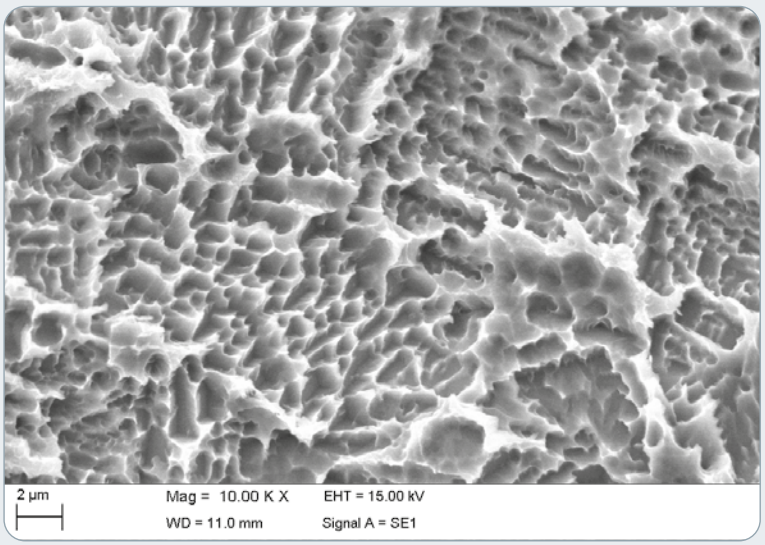
PLASMA REACTOR

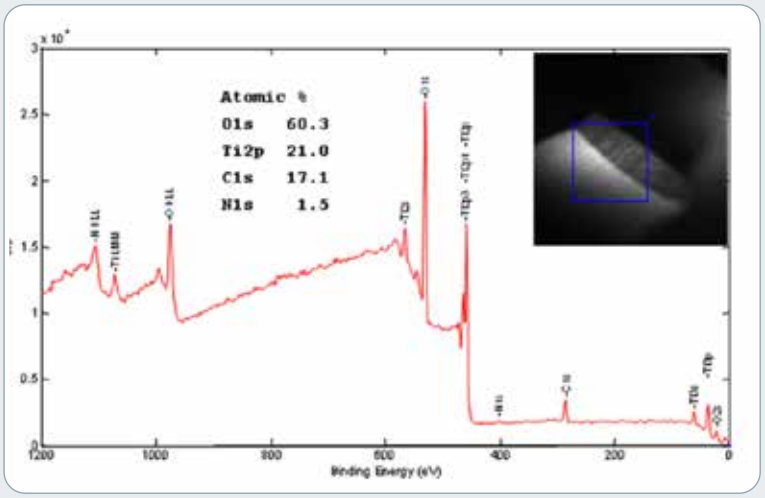
Fixtures surface contaminants are removable by gaseous decontaminating elements electro-chemical process, performed by plasma reactor.

Reactor is equipped with an internal chamber containing the fixtures, in which is conveyed an hight power flow of inert Argon gas iones.

As a result of the iones bombardment , the organic particles hidden in the surface roughness are also reached and removed.
With low pressure plasma technology, surfaces can be also treated by changing their original characteristics, activating them to improve their wettability for faster osseointegration.







Magnifications of the treated surface, photographed by SEM (electron microscope).

SURFACE TREATMENT

"SAE" (Sandblasted Acid Etched) treatment provides for microtopography and surface chemistry control to accelerate natural bone regeneration.

Treatment is performed using a coarse-grained sand blasting technique, followed by etching with acid solutions.

The sand blasting process generates a macro roughness on the surface of the implant, which is overlain by a micro roughness obtained with the acid etching process.

The resulting surface topography is an ideal structure for osteoblast cells anchorage and enhances an excellent implant integration into the bone tissue.

POLITECNICO DI TORINO
Dipartimento di Scienza Applicata e Tecnologia

Research and analysis carried out in collaboration with the Applied Science and Technology Department of the Turin Polytechnic.

TAG 3.0

- Self-tapping conical dental implant
- Internal hexagon connection

GRADE 5 TITANIUM

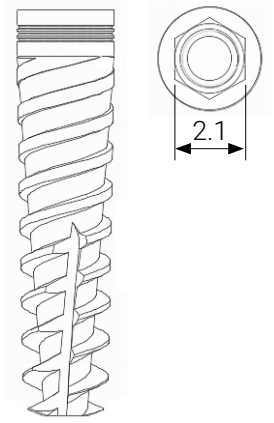
TAG 3.0 comes from the need to solve atrophic and thin frontal crests clinical cases and as a valid solution in lateral agenesis.

Implant design is characterized by condensing conical body with osteotome effect and neck designed for reduce trauma to the crestal area.

The 1,6 mm connection screw with deep engagement ensures a precision fit connection between the prosthetic parts and implant.

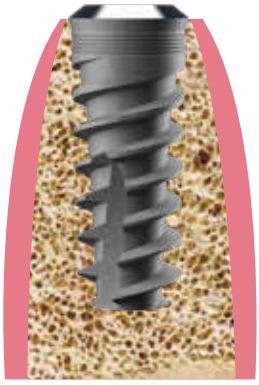
Surface Treatment "Sandblasting and acid-etching" helps to obtain a micro-roughness which enhances the speed of the osseointegration process.

Excellent decontamination is performed by using an Argon Plasma reactor in a cleanroom.

	10 mm	11.5 mm	13 mm
			
Tag 3.0 codes	TAG MF FIXTURE 3.0 H10 cod. TAGMF029	TAG MF FIXTURE 3.0 H11.5 cod. TAGMF030	TAG MF FIXTURE 3.0 H13 cod.TAGMF031

Ø 3.0 Fixture

Ø 3.5 Fixture

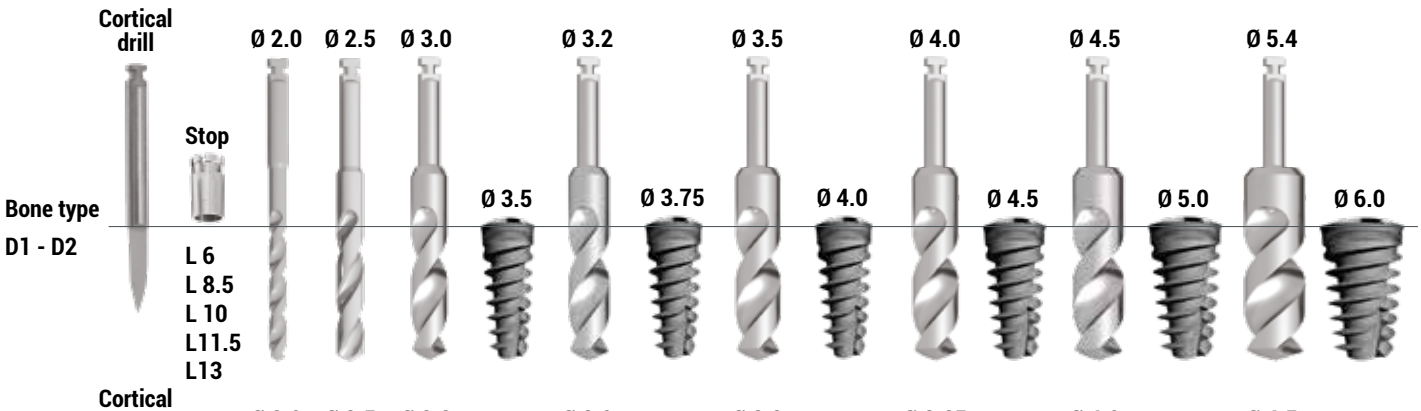


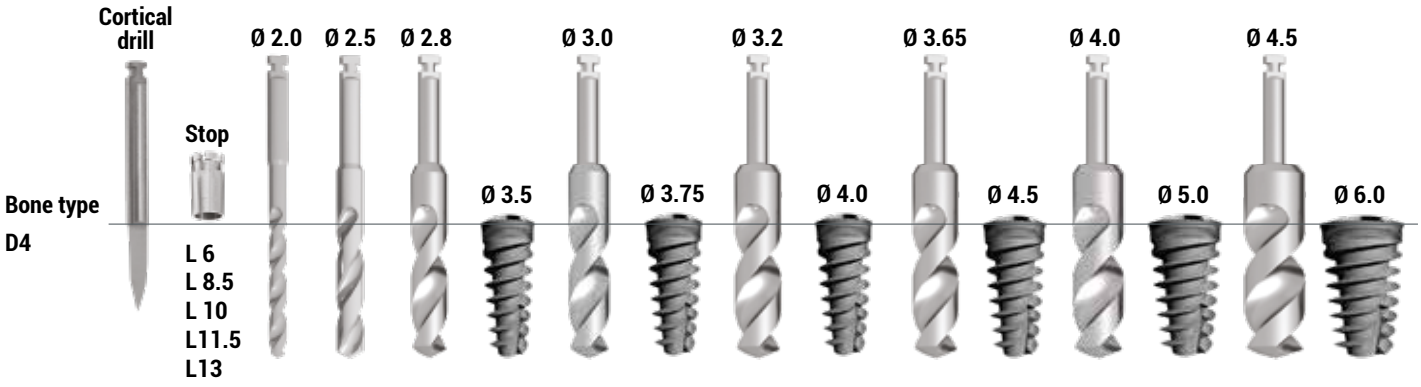
Thin crests

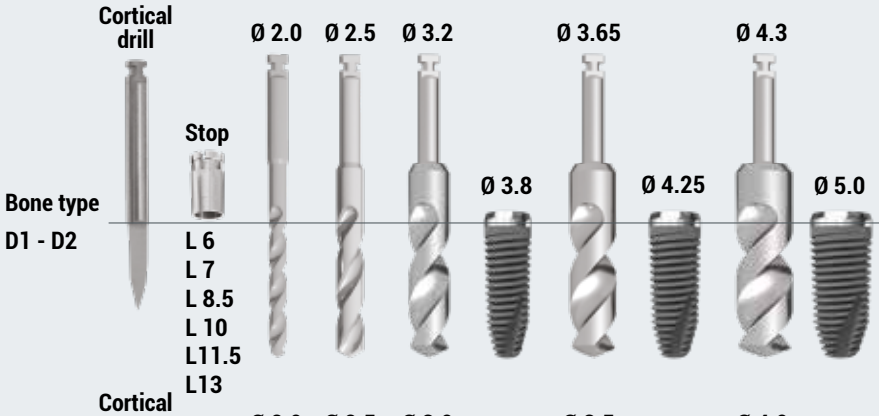
Narrow spaces

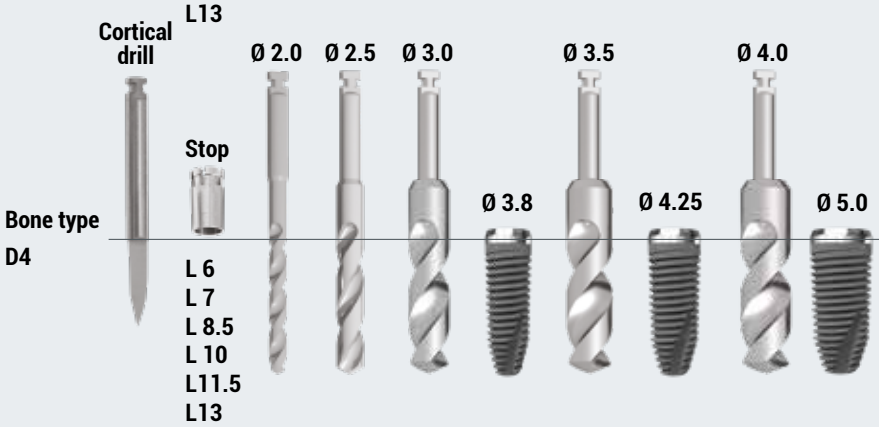
TAG3.0 Prosthetic components

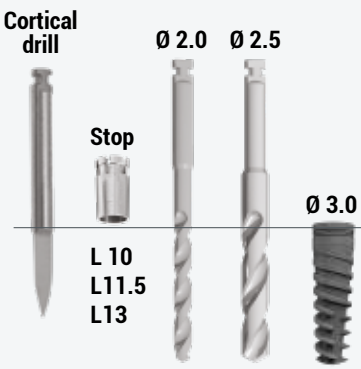
	Healing cap H.2 - cod. TAGVG32 H.4 - cod. TAGVG34		Transfer open tray cod. TAGTRA3		Analog cod. TAGANA3
	Castable cylinder N/R and Rot. cod. TAGCC3 cod. TAGCC3R		Straight abutment H.0 - cod. TAGMD3 H.2 - cod. TAGMD32		Titanium temporary abutment N/R and Rot. cod. TAGMP3 cod. TAGMP3R
	Angled abutment 15° cod. TAGMA315		Angled abutment 25° cod. TAGMA325		Abutment screw M1,6 cod. TAGVM3
	Ball abutment H.1 - cod. TAGASF31 H.2 - cod. TAGASF32 H.3 - cod. TAGASF33 H.4 - cod. TAGASF34		Open low cap with o-ring cod. TAGCAP		Teflon cap cod. TAGCAPT
					Cap basket cod. TAGCONT


Cortical drill
Ø 2.0
Ø 2.5
Ø 3.0
Ø 3.2
Ø 3.5
Ø 4.0
Ø 4.5
Ø 5.4
Stop
Bone type
D1 - D2
Ø 3.5
Ø 3.75
Ø 4.0
Ø 4.5
Ø 5.0
Ø 6.0
L 6
L 8.5
L 10
L11.5
L13


Cortical drill
Ø 2.0
Ø 2.5
Ø 2.8
Ø 3.0
Ø 3.2
Ø 3.65
Ø 4.0
Ø 4.5
Stop
Bone type
D4
Ø 3.5
Ø 3.75
Ø 4.0
Ø 4.5
Ø 5.0
Ø 6.0
L 6
L 8.5
L 10
L11.5
L13


Cortical drill
Ø 2.0
Ø 2.5
Ø 3.2
Ø 3.65
Ø 4.3
Stop
Bone type
D1 - D2
Ø 3.8
Ø 4.25
Ø 5.0
L 6
L 7
L 8.5
L 10
L11.5
L13


Cortical drill
Ø 2.0
Ø 2.5
Ø 3.0
Ø 3.5
Ø 4.0
Stop
Bone type
D4
Ø 3.8
Ø 4.25
Ø 5.0
L 6
L 7
L 8.5
L 10
L11.5
L13


Cortical drill
Ø 2.0
Ø 2.5
Stop
Ø 3.0
L 10
L11.5
L13

TAG

Dimensional technical data for surgical planning

	A	B	C	D	E
Fixture size	Apical core	Apical coil	Ø Fixture	Ø Neck	Height switching platform
Ø 3.5	2.0	3.1	3.5	3.75	0.5
Ø 3.75	2.2	3.3	3.75	4.00	0.5
Ø 4.0	2.2	3.5	4.0	4.25	0.5
Ø 4.5	2.5	4.0	4.5	4.75	0.5
Ø 5.0	2.5	4.5	5.0	5.25	0.5
Ø 6.0	3.1	5.1	6.0	6.25	0.5

TAG STRAIGHT

Dimensional technical data for surgical planning

	A	B	C	E
Fixture size	Apical core	Apical coil	Ø Fixture	Height switching platform
Ø 3.8	1.65	2.3	3.8	0.5
Ø 4.25	1.85	2.5	4.25	0.5
Ø 5.0	2.4	3.1	5.0	0.5

TAG 3.0

Dimensional technical data for surgical planning

	A	B	C
Fixture size	Apical core	Apical coil	Ø Fixture
Ø 3.0	1.3	2.4	3.0

TAG

The implant is packed in a double sterile vial and the special titanium support allows the easy removal by implant driver.

The Technology

The quality and the consistency of **Meté Implantology** is pursued even before the beginning of the product process through a **careful selection of materials and suppliers**.

At Metè we use Titanium to manufacture our dental implants and prosthetic parts. Titanium is a non-magnetic metal that is strong and light weight with low thermal conductivity and has a high resistance to corrosion and chemical aggression. Titanium guarantees maximum biocompatibility and osseointegration.
Depending on the various needs and the various implant components, **the grade of titanium used is between 4 and 5**.
The table below shows the chemical composition and the physical-mechanical characteristics:

	BREAKING LOAD	Ti	N	C	H	Fe	O	Al %	V %	Y %
Grade 2	M Pa 340	99%	0.03%	0.10%	0.15%	0.20%	0.25%	-	-	-
Grade 3	M Pa 450	99%	0.05%	0.10%	0.15%	0.30%	0.30%	-	-	-
Grade 4	M Pa 550	99%	0.05%	0.10%	0.15%	0.50%	0.50%	-	-	-
Grade 5	M Pa 900	89%	0.05%	0.004%	0.0032%	0.190%	0.111%	6.24	4.03	-

Meté uses the highest quality Titanium of American origin which is rigorously certified for medical use. As testified by the chemical and mechanical analysis certification.
Maximum attention and precision is paid in coupling the implant and prosthetic part, in order to guarantee perfect functionality: a tolerance of 5 thousandths on the measurement of the hexagon connection of the implant is guaranteed.

Metè's packaging is carried out entirely in a controlled environment "cleanroom" by using tested and validated components guaranteed for 5 years.

ITALCERT

CERTIFICATO 177-02-00-DM
CERTIFICATE 177-02-00-DM

ITALCERT S.r.l.

certifica che il
certifies that the

Sistema Completo di Garanzia della Qualità messo in atto
per la progettazione, la fabbricazione ed il controllo finale di Dispositivi Medici
Full Quality Assurance System applied
for the design, manufacture and final inspection of Medical Devices

dal Fabbricante
by the Manufacturer

METÉ S.r.l.
Via Boccaccio 8 - 21010 ARSAGO SEPRIO (VA) - ITALIA

nella sede operativa di
in the operational headquarter located in

Via Boccaccio 8 - 21010 ARSAGO SEPRIO (VA) - ITALIA

è conforme ai requisiti previsti dalla
complies with the requirements stated in

Direttiva 93/42/CEE - Allegato II (con esclusione del punto 4)
Directive 93/42/EEC - Annex II (excluding point 4)

ed autorizza lo stesso fabbricante ad apporre la marcatura
and authorizes the manufacturer to mark

CE 0426

in accordo ai criteri previsti dall'All. XII della Direttiva 93/42/CEE
sui dispositivi medici riportati nell'Allegato 1 del presente Certificato
in compliance with the criteria defined in Annex XII of the Directive 93/42/EEC
on the medical devices reported in Annex 1 of this Certificate

Dr. Ing. Roberto Cusolito
AMMINISTRATORE DELEGATO
MANAGING DIRECTOR

Data di rilascio
First Issue Date
2011-11-03

Data di rinnovo
Renewal Date
2021-04-07

Data di scadenza
Expiry Date
2024-05-26

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