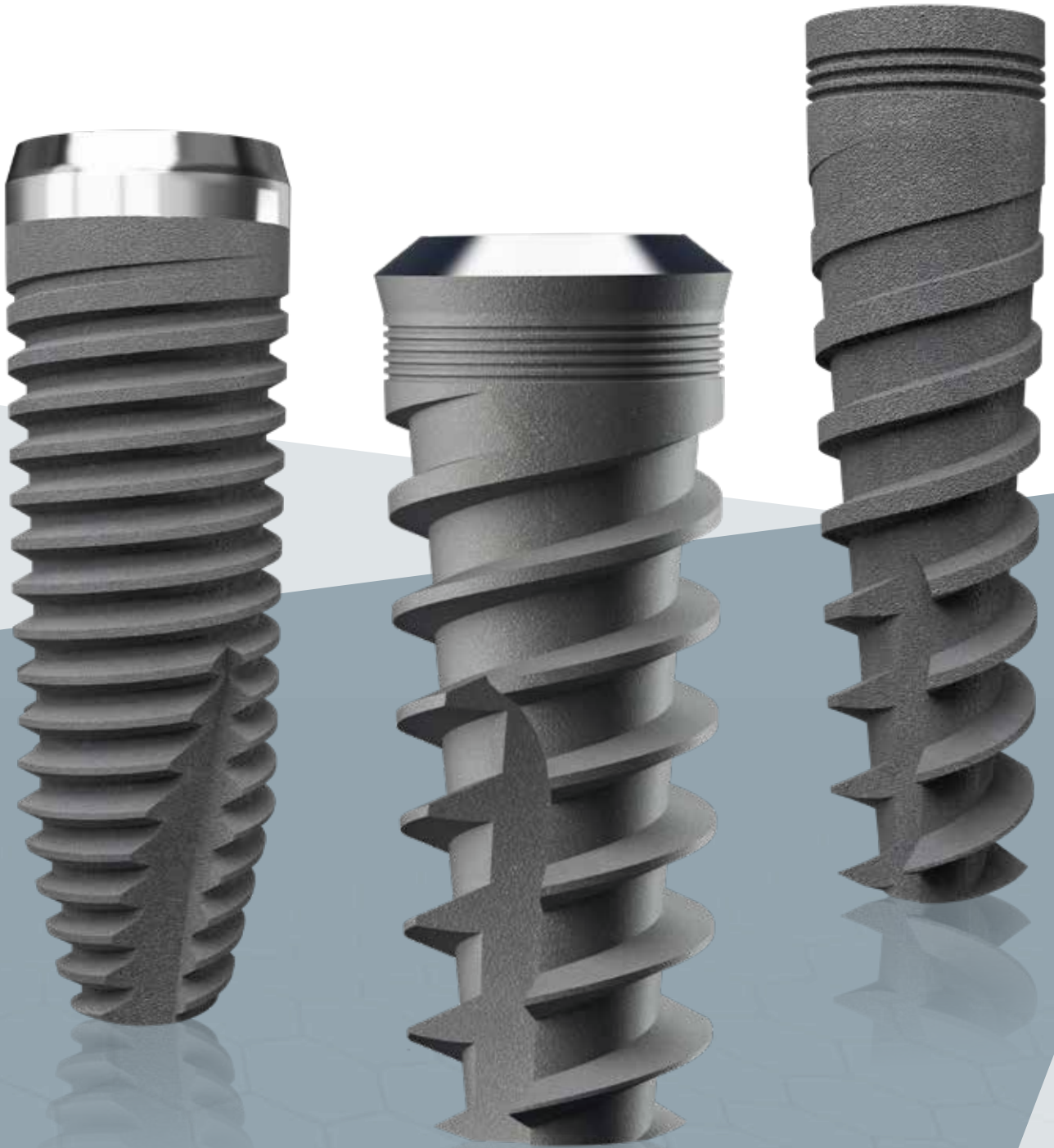


# TAG



# 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.

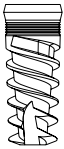


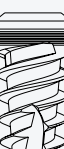
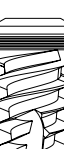
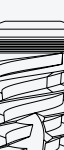
Excellent decontamination is performed by using an Argon Plasma reactor in a cleanroom.

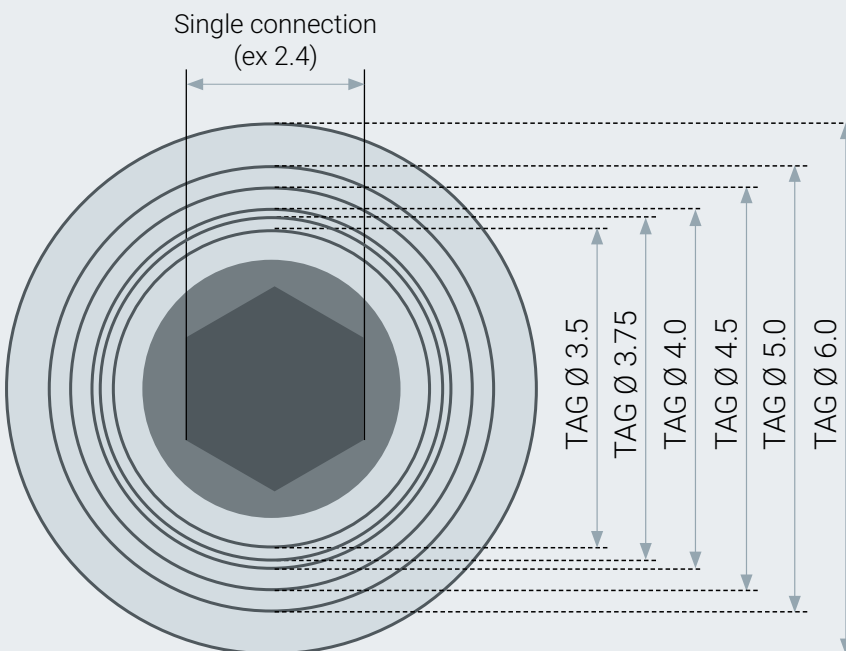


A 45° input bevel transfers the load downwards ensuring greater stability and reduces micro movements between the fixture and the abutment.

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

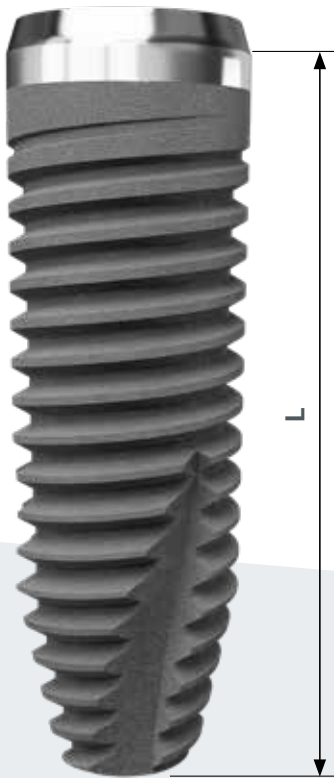
## STRAIGHT



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

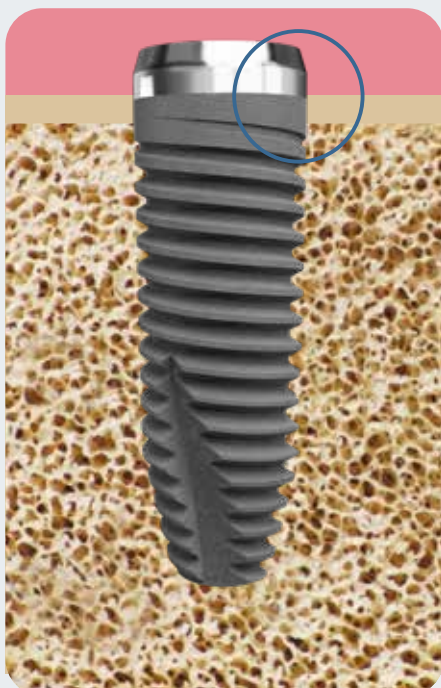
The internal hexagon connection, with conical implant-prosthetic support, ensure greater stability reducing micro movements between the fixture and the abutment.



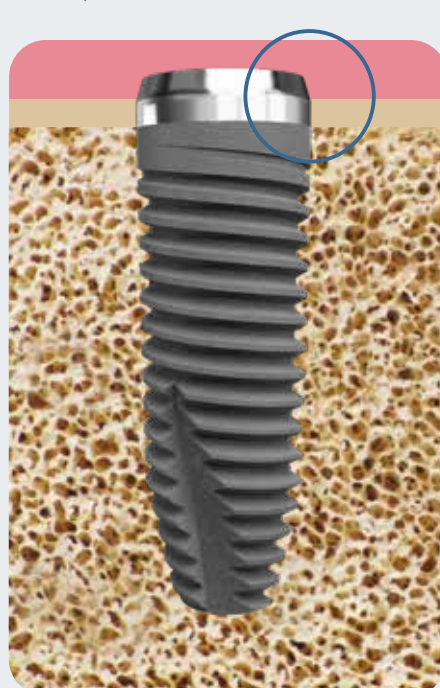
| Ø    | L. 7       | L. 8,5       | L. 10       | L. 11,5       | L. 13       |
|------|------------|--------------|-------------|---------------|-------------|
|      | mm         | mm           | mm          | mm            | mm          |
| 3.8  | -          | TAG3.8X8.5ST | TAG3.8X10ST | TAG3.8X11.5ST | 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  |    | Transfer open tray   |    | Transfer closed tray   |
|   | H.2 - cod. TAGVG2<br>H.4 - cod. TAGVG4   |   | cod. TAGTRO  |   | cod. TAGTRAC   |
|    | Analog   |    | Straight abutment  |    | Straight abutment  |
|   | cod. TAGANA  |   | H.1 - cod. TAGMD1<br>H.2 - cod. TAGMD2<br>H.3 - cod. TAGMD3<br>H.4 - cod. TAGMD4 |   | cod. TAGMD   |
|    | Zero abutment  |    | Friction fit abutment  |    | Anatomical straight abutment   |
|   | cod. TAGMD0  |   | cod. TAGMDFF   |   | H.1 - cod. TAGMDA1<br>H.2 - cod. TAGMDA2   |
|   | Tbase abutment<br>H.0.5 - cod. TAGTB05<br>H.1 - cod. TAGTB1<br>H.2 - cod. TAGTB2     |   | Tbase abutment not engaging  |   | Angled abutment 15°<br>cod. TAGMA15  |
|   | Tbase friction fit abutment<br>H.0.5<br>cod. TAGTB05FF                               |   | H. 0.5 - cod. TAGTBR<br>H.1 - cod. TAGTBR1<br>H.2 - cod. TAGTBR2                 |   | Angled abutment 25°<br>cod. TAGMA25  |
|  | Anatomical angled abutment 15°   |  | Anatomical angled abutment 25°   |  | Titanium temporary abutment  |
|   | H.1 - cod. TAGMAA151<br>H.2 - cod. TAGMAA152   |   | H.1 - cod. TAGMAA251<br>H.2 - cod. TAGMAA252                                     |   | cod. TAGMP   |
|  | Titanium temporary abutment non engaging   |  | Castable cylinder  |  | Castable cylinder non engaging   |
|   | cod. TAGMPR  |   | cod. TAGCC   |   | cod. TAGCCR  |
|  | Base Cr/Co   |  | Base Cr/Co non engaging  |  | Tag lok  |
|   | cod. TAGCR   |   | cod. TAGCRR  |   | H.1 - cod. TAGLOC1<br>H.2 - cod. TAGLOC2<br>H.3 - cod. TAGLOC3<br>H.4 - cod. TAGLOC4<br>H.5 - cod. TAGLOC5 |
|  | Ball abutment  |  | Open low cap with o-ring   |  | Teflon cap<br>cod. TAGCAPT   |
|   | H.1 - cod. TAGASF1<br>H.2 - cod. TAGASF2<br>H.3 - cod. TAGASF3<br>H.4 - cod. TAGASF4 |   | cod. TAGCAP  |   | Cap basket<br>cod. TAGCONT   |

|   |  |   |  |   |  |
|---|--|---|--|---|--|
|    | Straight Mua   |    | Angled Mua 17°   |    | Angled Mua 30°   |
|   | H.1 - cod. TAGMUA1<br>H.2 - cod. TAGMUA2<br>H.3 - cod. TAGMUA3<br>H.4 - cod. TAGMUA4 |   | H.2 - cod. TAGMUA172<br>H.3 - cod. TAGMUA173<br>H.4 - cod. TAGMUA174 |   | H.3 - cod. TAGMUA303<br>H.4 - cod. TAGMUA304<br>H.5 - cod. TAGMUA305                             |
|    | Mua healing cap  |    | Mua transfer   |    | Mua analog   |
|   | cod. TAGCG097  |   | cod. TAGTRAMUA   |   | cod. TAGANAMUA   |
|    | Mua titanium temporary abutment  |    | Mua castable cylinder  |    | Mua Tbase  |
|   | cod. TAGMDMUA  |   | cod. TAGCCMUA  |   | cod. TAGTBMUA  |
|   | Abutment screw   |   | Mua screw M1.4   |   | Screwdriver  |
|   | cod. TAGVM   |   | cod. TAGVMMUA  |   | L10 - cod. TAGDS<br>L15 - cod. TAGDL   |
|  | Ratchet screwdriver  |  | Machine screwdriver  |  | Ratchet implant driver   |
|   | L12 - cod. TAGDCS<br>L17 - cod. TAGDCL   |   | L20 - cod. TAGDMXS<br>L26 - cod. TAGDMS<br>L32 - cod. TAGDML         |   | L12 - cod. TAGIDCS<br>L17 - cod. TAGIDCL   |
|  | Machine implant driver   |  | Friction fit abutment extractor                                      |  | Mua machine screwdriver  |
|   | Short - cod. TAGIDS<br>Long - cod. TAGIDL  |   | cod. TAGEXT  |   | cod. TAGDMUA   |
|  | Ratchet Mua screwdriver  |  | Machine implant driver hand adapter                                  |  | Dynamometric torque ratchet adjustable<br>0 to 35 Ncm<br>cod. TAGCRIDIN                          |
|   | cod. TAGDCMUA  |   | cod. TAGPCM  |   | Fixed ratchet<br>cod. TAGCRI   |
|  | Cortical drill   |  | DLC drill  |  | Drill extention  |
|   | L26 - cod. TAGFL26<br>L32 - cod. TAGFL32   |   | cod. TAGFF   |   | $\begin{matrix} 2.0 / 2.5 / 2.8 / 3.0 \\ 3.2 / 3.5 / 3.65 \\ 4.0 / 4.3 / 4.5 / 5.4 \end{matrix}$ |



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 months. 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 removal 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



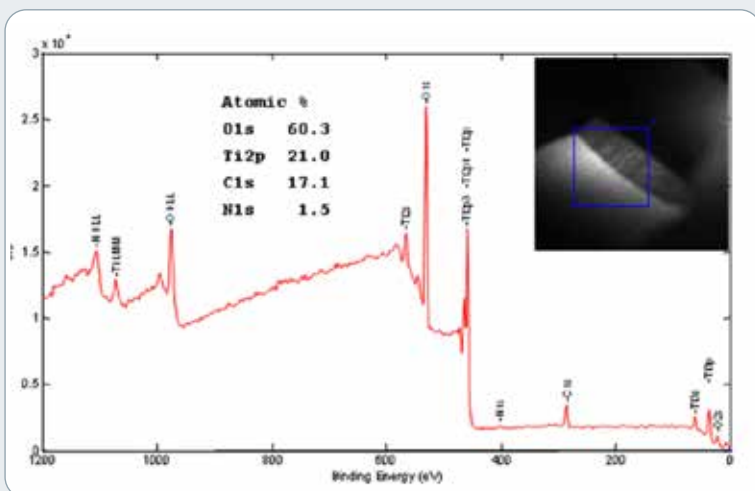
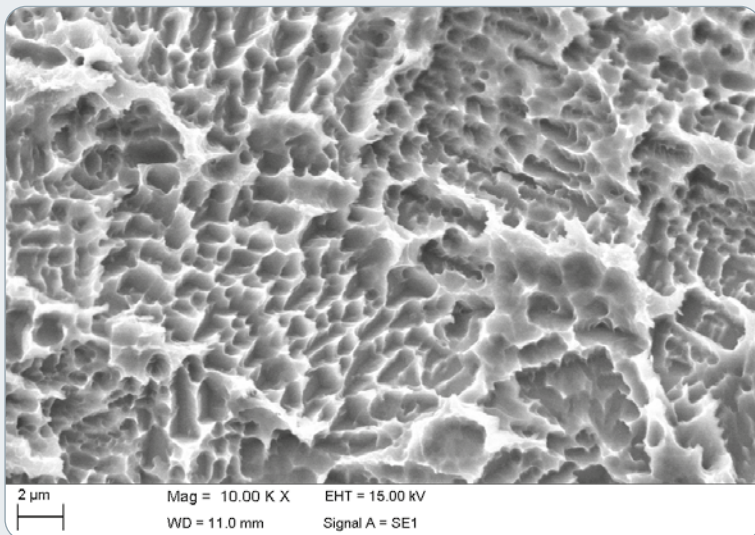
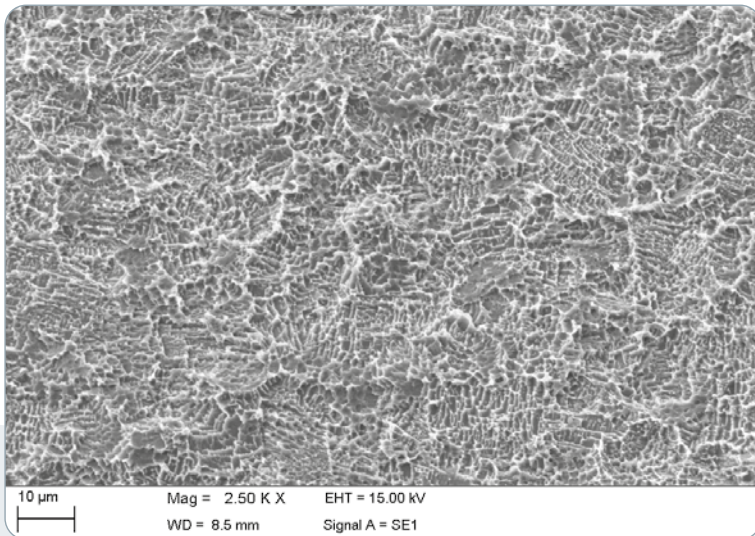
Fixtures surface contaminants are removable by gaseous decontaminating elements electro-chemical process, performed by plasma reactor.

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

As a result of the ions 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.

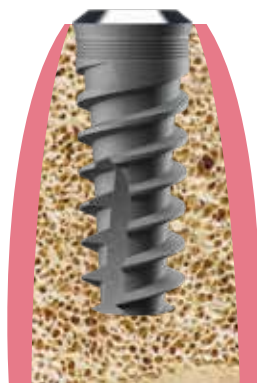
Excellent decontamination is performed by using an Argon Plasma reactor in a cleanroom.



|                      | 10 mm                                      | 11.5 mm                                      | 13 mm                                      |
|----------------------|--|--|--|
|                      |  |  |  |
| <b>Tag 3.0 codes</b> | TAG MF FIXTURE<br>3.0 H10<br>cod. TAGMF029 | TAG MF FIXTURE<br>3.0 H11.5<br>cod. TAGMF030 | TAG MF FIXTURE<br>3.0 H13<br>cod. TAGMF031 |

Ø 3.0 Fixture

Ø 3.5 Fixture



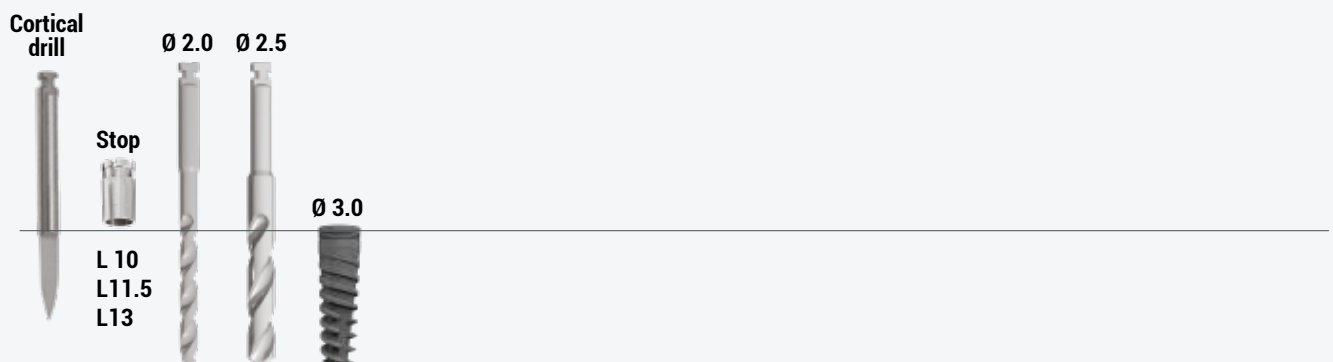
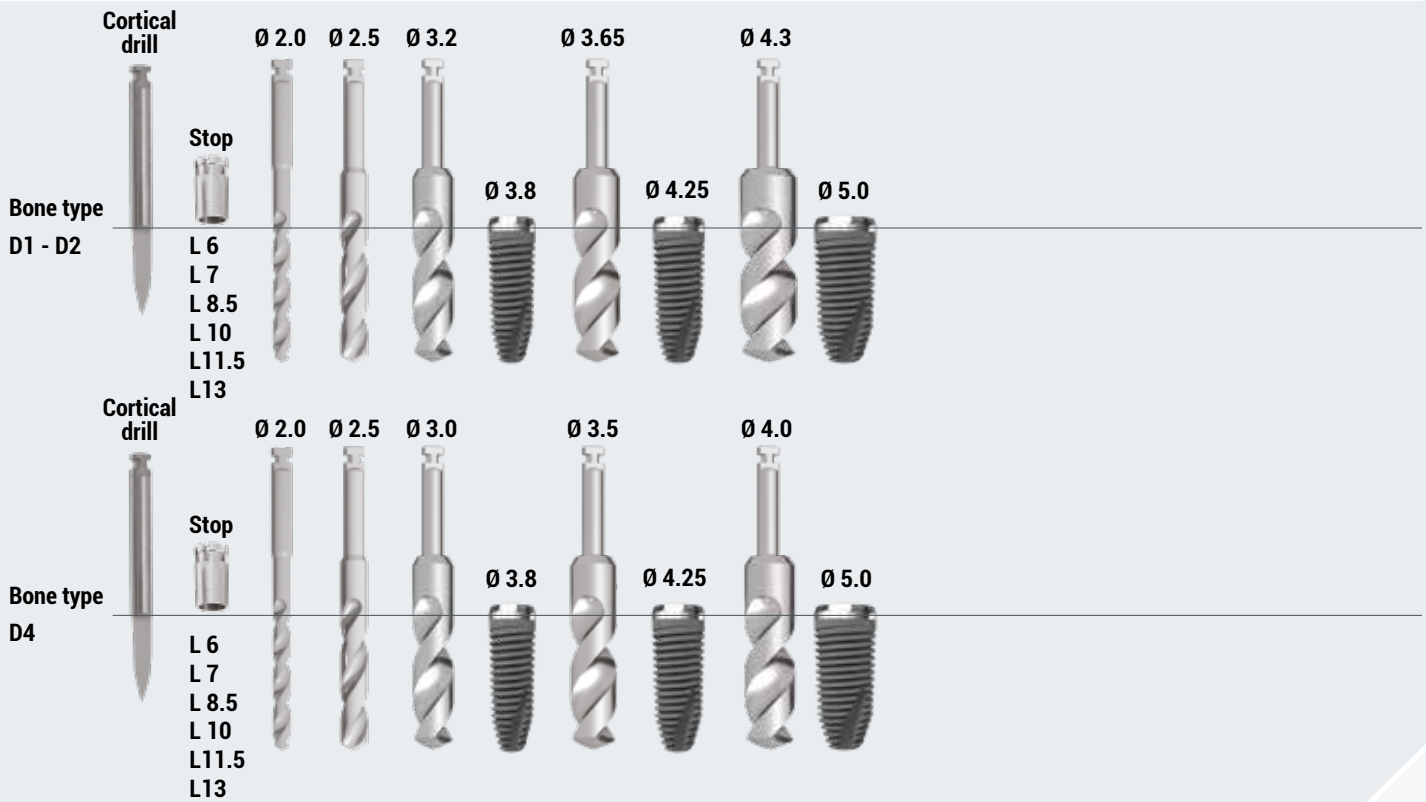
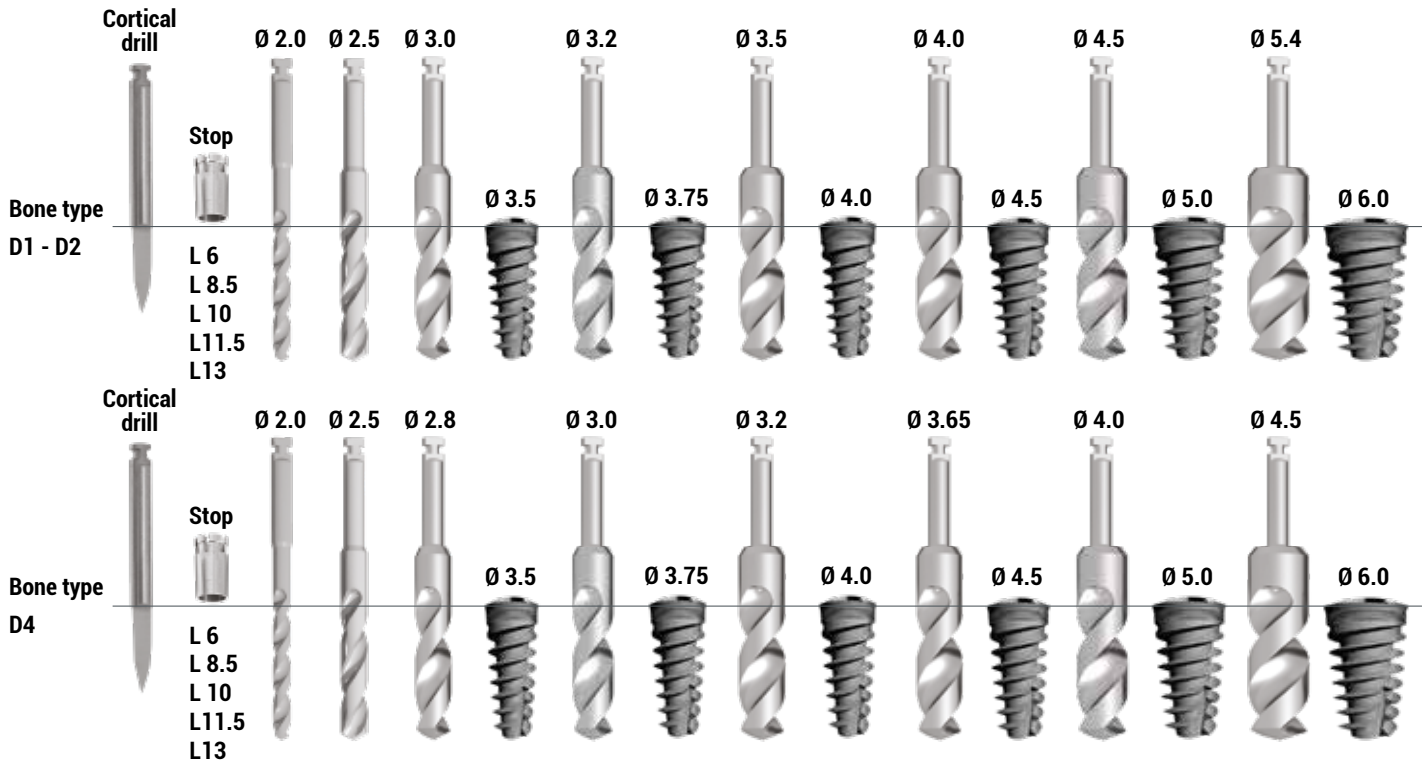
Thin crests



Narrow spaces

# TAG 3.0 Prosthetic components

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



TAG



### Dimensional technical data for surgical planning

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

TAG STRAIGHT



### Dimensional technical data for surgical planning

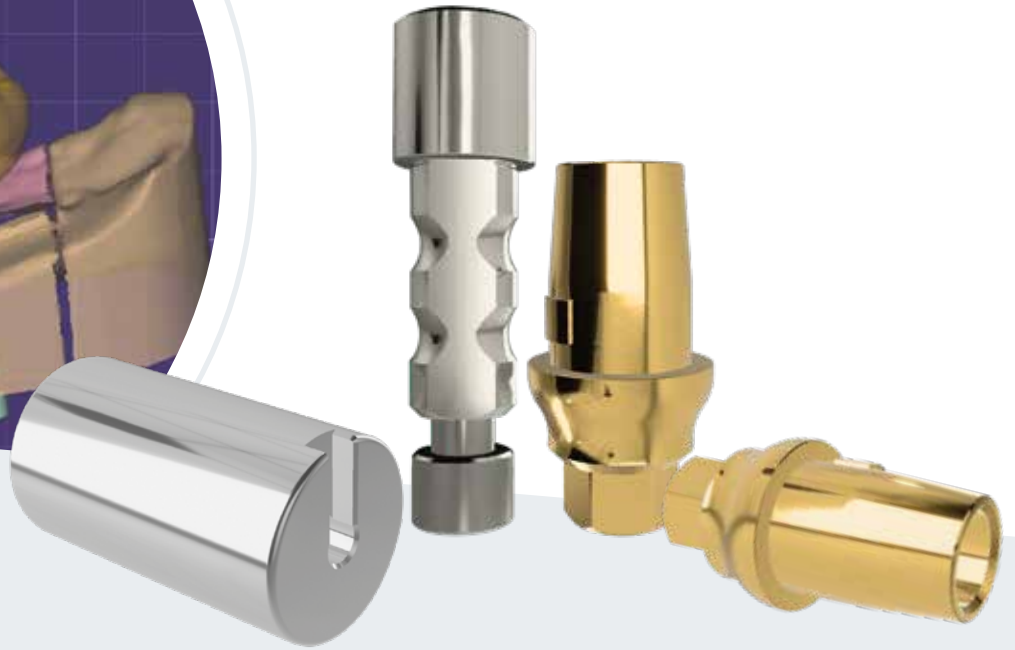
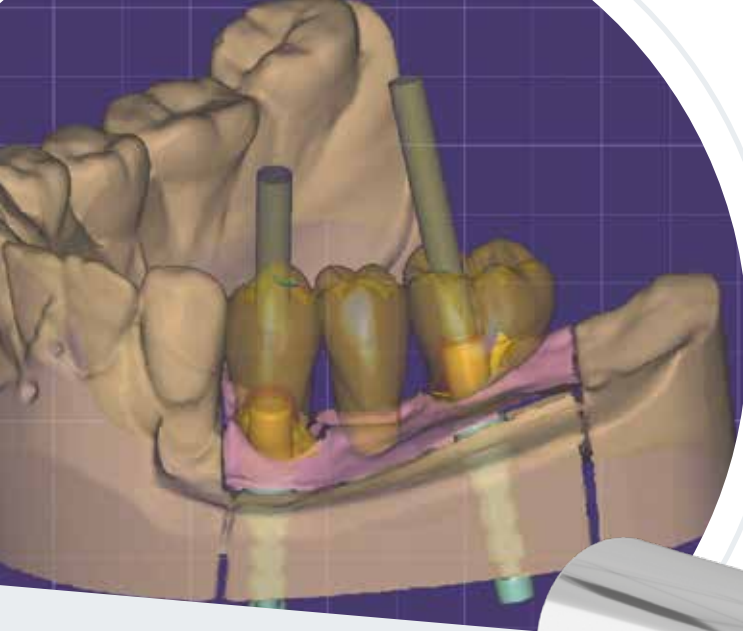
|              | A           | B           | C         | E                         |
|--------------|-------------|-------------|-----------|---------------------------|
| Fixture size | Apical core | Apical coil | ∅ Fixture | Height switching platform |
| ∅ 3.8        | 1.65        | 2.3         | 3.8       | 0.5                       |
| ∅ 4.25       | 1.85        | 2.5         | 4.25      | 0.5                       |
| ∅ 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 | ∅ Fixture |
| ∅ 3.0        | 1.3         | 2.4         | 3.0       |



|   |                              |   |  |   |   |
|---|------------------------------|---|--|---|---|
|   | <p>Implant Scan abutment</p> |   | <p>Mua Scan abutment</p>   |   | <p>Digital Analog</p>   |
|  | <p>Mua Digital Analog</p>    |  | <p>Tbase abutment<br/>H.0.5 - cod. TAGTB05<br/>H.1 - cod. TAGTB1<br/>H.2 - cod. TAGTB2</p> |  | <p>Tbase abutment not engaging</p>  |
|  | <p>Mua Tbase</p>             |  | <p>Premilled Ø 11,5<br/>cod. TAGPM1</p>  |  | <p>Angled Hole Screw</p>  |
|  | <p>cod. TAGSBI</p>           |  | <p>Premilled Ø 16<br/>cod. TAGPM2</p>  |  | <p>cod. TAGANACAD</p>   |
|  | <p>cod. TAGMUACAD</p>        |  | <p>Tbase frictionfit<br/>abutment H.0.5<br/>cod. TAGTB05FF</p>                             |  | <p>H. 0.5 - cod. TAGTBR<br/>H.1 - cod. TAGTBR1<br/>H.2 - cod. TAGTBR2</p> |
|  | <p>cod. TAGTBMUA</p>         |   |  |   | <p>cod. TAGVMV</p>  |

## TAG Implant libraries

TAG Implant libraries for Exocad, 3Shape and DentalWings are available. Ask to our offices or contact your local TAG distributor for more info.

3shape 

 dental wings

exocad

# TAG

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



**meté**  
Biomedical

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