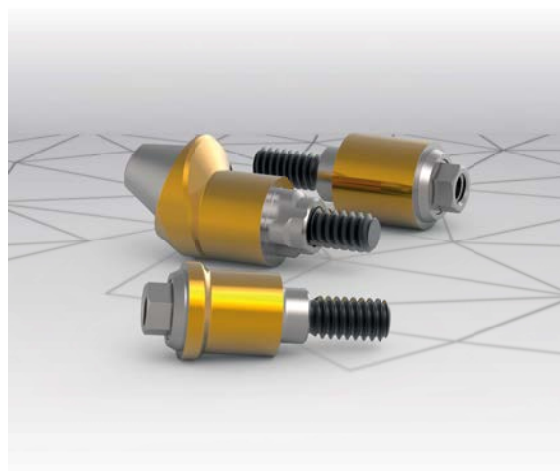


ABUTMENT
MULTI-IM[®]
WITH NEW SURFACE
Ti GOLDEN



NEW SURFACE

Human
Technology

MULTI-IM® TRANSEPITHELIAL ABUTMENTS WITH THE NEW **Ti Golden SURFACE**

The MULTI-IM transepithelial abutments adopt the new Ti Golden surface treatment and also work with the new Ti Black screw, to guarantee the quality of the odontological work.

ADVANTAGES

GOLD FINISH

The golden colour of these prosthetic abutments with the Ti Golden layer achieves a better aesthetic, which is highly significant in transmitting a greater warmth to the gingival tissues.

AT GINGIVAL LEVEL

Abutments with the Ti Golden layer have a greater biocompatibility with the gingival fibroblasts than the Ti abutments without this layer.

For this reason the joint of the hemidesmosomes around the new prosthetic abutment is superior, improving the biological seal.

IMPROVES THE ANTIMICROBIAL PROPERTIES

The adhesion of static bacteria, with strains of *Staphylococcus aureus*, measured at 15 and 30 minutes proves that it is lower in prosthetic abutments with the Ti Golden layer compared to normal Ti abutments.

The bacterial colonisation decreases, therefore minimising the risk of peri-implantitis.

Ti BLACK SCREW

Preload and resistance to fatigue similar to those of gold and minimal likelihood of loosening .

Greater preload for the same torque.

Interna® connection



Straight

Expanded

Angled (17°)

Externa® connection



Straight

Expanded

Angled (17°)

Thanks to the short height of the cones it allows us to solve angulation problems of up to 56 degrees...

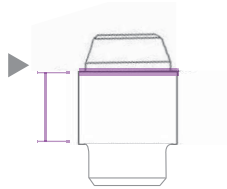
... unlike other abutments on the market, whose maximum angulation would be limited to 15°.



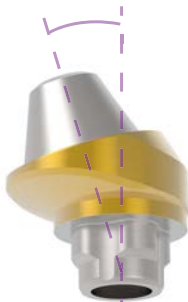
Straight Design angulation: 0°

The diameter of the straight abutment will depend on the **implant platform**, yielding an emergence profile of 3.5 mm. for **Tiny** and 4.1 mm. for **Universal** and **Universal Plus**, although in all these cases the prosthesis diameter will be 4.1 mm. As for the **wide platform**, both diameters will be 5.5 mm.

The height of the sleeve can be 0.5, 1, 2, 3, 4 and 5 mm.



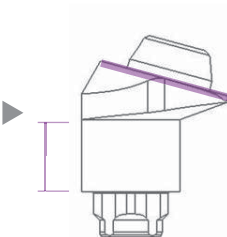
PROSTHESIS DIAMETER
 Ø 4,1 mm.
 (Tiny, Universal and Universal Plus)
 Ø 5,5 mm.
 (Wide platform)



Angled Angulación de diseño: 17°

This abutment implant is available in **Tiny**, **Universal platform** and **Universal Plus**. Prosthesis diameter of 5 mm. for all of them.

The height of the sleeve can be 0.5, 1, 2, 3, 4 and 5 mm. to adapt to the different depths of soft tissue.



PROSTHESIS DIAMETER
 Ø 5 mm.

For all lines of BTI implants: Tiny®, Interna® and Externa®

MULTI-IM® transepithelial abutments are made from titanium and are available for the Tiny implants, Interna and Externa connections, both straight and angled

Formed by two components, **the sleeve and retention screw**, which should be tightened to the implant head at a torque of 35 Ncm, with the LLMTP torque wrench. The screw that attaches the prosthesis to the abutment is tightened at a torque of 20 Ncm.

The prosthetic abutment to solve all kinds of angulation problems and to improve the gingival interphase

The use of the MULTI-IM[®] transepithelial abutment offers many **advantages**:

- Hermetic seal at the interface with the implant
- Easier to make impressions
- Preservation of biological seal by means of hemidesmosomes
- Easier passive adjustment
- Respects the biological space
- Allows you to resolve angles of up to 15°
- For work in CAD/CAM

This is the component of choice for immediate load and screw-retained multiple prosthesis.

The latest work of BTI's R&D department demonstrates that the MULTI-IM achieves excellent hermetism between this component and the implant with 35 Ncm of torque, avoiding filtration and the accumulation of bacterial plaque.

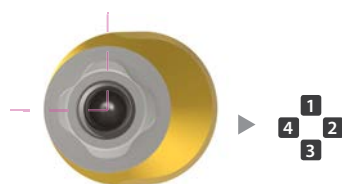
Expanded Multi-IM[®], for a wider prosthetic emergence

Make the transfer from the Universal platform (diameter 4.1 mm in the implant) to the Wide platform (diameter 5.5 mm prosthetic structure).

Indicated for posterior areas of the mandible which need a wider prosthetic emergence than the offered by a Universal platform and a better distribution of the bio-mechanical load.

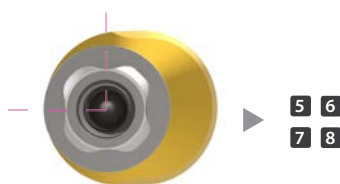
The angled Multi-IM[®] abutments are designed for prosthetic cases where the tilted position of the implant is greater than 15°.

The first position has the angled area on the **same plane as the lobes** and the second in the **interlobular areas**. As there are up to **8 possible positions** it provides the best solutions for most prosthetic cases in which the angulation position is critical.



4 positions on the same plane as the lobes.

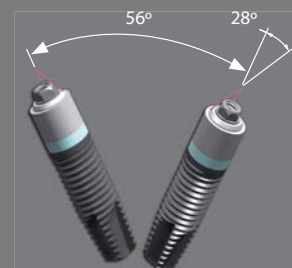
INTIMUPUA



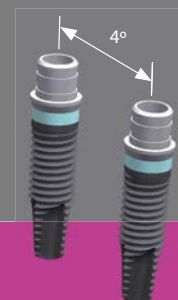
4 positions in the interlobular areas.

INTIMUPUB

Maximum angulation supported by a Multi-IM[®]



It allows a divergence between implants of up to 56°, making it easier to take impressions and screw the prosthesis with an excellent passive adjustment without the risk of stressing the implant or the prosthesis.



THE ANGULATIONS THAT ALLOW A DIRECT CONNECTION TO THE IMPLANT WILL ONLY BE 4°. LARGER ANGLES CAUSE FILTRATIONS IN THE INTERFACE DUE TO LACK OF HERMETISM.

TECHNICAL INDICATIONS

Prepared for multi-unit restorations or screw-retained bridges, for screw-retained ceramic prostheses, overdentures with bars, hybrid prosthesis. The abutment of choice for immediate load.

Universal range INTERNA® CONNECTION

IMPORTANT:

The torque of this straight abutment must be **35 Ncm.**

STRAIGHT MULTI-IM® ABUTMENT

REF.	LENGTH
INTMIPU05	0.5 mm.
INTMIPU10	1 mm.
INTMIPU20	2 mm.
INTMIPU30	3 mm.
INTMIPU40	4 mm.
INTMIPU50	5 mm.



TRANSEPITELIAL MULTI-IM® EXPANDED

REF.	LENGTH
INTMIPUEX20	2 mm.
INTMIPUEX30	3 mm.
INTMIPUEX40	4 mm.
INTMIPUEX50	5 mm.



IMPORTANT:

This transepithelial is screwed on universal platform implants and is restored with the wide platform components.

ANGLED 17° MULTI-IM® ABUTMENT

REF.	LENGTH
INTMIPUA15	1.5 mm.
INTMIPUA20	2 mm.
INTMIPUA30	3 mm.
INTMIPUA40	4 mm.
INTMIPUA50	5 mm.
INTMIPUB15	1.5 mm.
INTMIPUB20	2 mm.
INTMIPUB30	3 mm.
INTMIPUB40	4 mm.
INTMIPUB50	5 mm.



IMPORTANT:

The torque of this angled abutment must be **35 Ncm.**

You can find more information on transepithelial prostheses on our website www.bti-biotechnologyinstitute.com

**PROSTHETIC
TOOLS**

Multi-torque wrench

(LLMTP)
10 - 35 Ncm

Screws for the MULTI-IM® abutment

(TTMIR - Ti Black).
TTMI30



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NOTE: consult your distributor for the availability of the product in the different markets.

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