PROSTHETIC COMPONENTS CATALOGUE

BTI implant system

bti®
Biotechnology Institute
Human Technology



CLINICAL-PROSTHETIC COMPONENTS

3.0 platform
Narrow/Core platform
Universal and Universal Plus platform
Wide platform

This chapter presents all of the components for making both cemented and screw-retained provisional and/or final prostheses. It will set out the technical specifications of each of them and provide a basic explanation of how to perform the prosthetic work.

Women who are pregnant or breastfeeding: *There are no additional precautions other than those generally contemplated in techniques of oral implantology.*

HEALING ABUTMENT

INTERNA

Straight **Expanded** **Reduced**



The straight healing abutments are **transepithelials made from commercially pure titanium** with a smooth external surface finish that **enables perfect healing of the soft tissues**. They can be cut with thick diamond drills and polished with fine grain drills and rubber if it is necessary to customise the outline. (E.g. in case of pressure in the space of the papilla).

The Interna connection abutments are supplied sterile in heat sealed blister packs. Thus they can be used in the patient's mouth straight from the package, without needing to be sterilised in the clinic. The Externa connection abutments do not come in blister pack.

The **expanded healing abutments** have a wider geometry in the supragingival part. Available for Interna connection, universal platform with expanded diameter from 4.1mm to 6 mm (total height 5 and 6 mm) and wide platform with expanded diameter from 5.5 mm to 7 mm (total height 5 and 6 mm). As main advantage, **this expanded platform protects the soft tissue during the osseointegration period.**

The **reduced healing abutments** have a narrow geometry in the supragingival part. Available for Interna connection 3.0, narrow and universal platform with the following diameter reductions: 3 - 1.8 mm, 3.5 - 2 mm, 4.1 to 2.5 mm (total height 3-4 mm). These reduced healing abutments are indicated **for thin gingival biotypes, when it is necessary to obtain more tissue thickness during the healing time.**

All the above mentioned abutments are retained directly into the implant **(with a torque of 20 Ncm)** in the first surgery for single stage implants, or when the second surgery is performed, in cases of two-stage implants.

** BTI recommends using the narrowest abutment, provided this is possible, to gain gingival width, so the papilla will have greater irrigation and consequently, less recession.*

Re-use and/or re-sterilisation of these single-use products may cause risk of infection and/or cross contamination.

FAMILY
Healing abutment

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

They have a small slot which can be used if the hexagon of the abutment is stripped, so it can be removed with a flat head screwdriver.

Straight abutment Ø of 3,0 mm.
Emergence profile Ø of 3,0 mm.



Ref.	Ø	Length
INPC3R33	3.0	3 mm.
INPC3R34	3.0	4 mm.

Reduced healing abutments



Ref.	Ø	Length
INPC3RRE33	3 - 1.8	3 mm.
INPC3RRE34	3 - 1.8	4 mm.

Straight abutment Ø of 3,0 mm and 4,5
Emergence profile Ø of 3,5 mm and 4,5



Ref.	Ø	Length
INPCER31	3.5	1 mm.
INPCER32	3.5	2 mm.
INPCER33	3.5	3 mm.
INPCER34	3.5	4 mm.
INPCER35	3.5	5 mm.
INPCER42	4.5	2 mm.
INPCER43	4.5	3 mm.
INPCER44	4.5	4 mm.

Reduced healing abutments



Ref.	Ø	Length
INPCERRE33	3,5-2	3 mm.
INPCERRE34	3,5-2	4 mm.

Straight abutment
Emergence profile Ø of 4.0 mm



Ref.	Ø	Length
INPCUR41	4.0	1 mm.
INPCUR42	4.0	2 mm.
INPCUR43	4.0	3 mm.
INPCUR44	4.0	4 mm.
INPCUR45	4.0	5 mm.
INPCUR46	4.0	6 mm.
INPCUR48	4.0	8 mm.

Emergence profile Ø of 5.0 mm



Ref.	Ø	Length
INPCUR52	5.0	2 mm.
INPCUR53	5.0	3 mm.
INPCUR54	5.0	4 mm.
INPCUR55	5.0	5 mm.
INPCUR56	5.0	6 mm.
INPCUR58	5.0	8 mm.

Expanded healing abutments



Ref.	Ø	Length
INPCUREX45	4-6	5 mm.
INPCUREX46	4-6	6 mm.
INPCUREX47	4-6	7 mm.

Reduced healing abutments



Ref.	Ø	Length
INPCURRE43	4-2.5	3 mm.
INPCURRE44	4-2.5	4 mm.

Straight abutment
Emergence profile Ø of 5.5 mm



Ref.	Ø	Length
INPCAR51	5.5	1 mm.
INPCAR52	5.5	2 mm.
INPCAR53	5.5	3 mm.
INPCAR54	5.5	4 mm.
INPCAR55	5.5	5 mm.
INPCAR56	5.5	6 mm.
INPCAR58	5.5	8 mm.

Emergence profile Ø of 6.5 mm



Ref.	Ø	Length
INPCAR62	6.5	2 mm.
INPCAR63	6.5	3 mm.
INPCAR64	6.5	4 mm.
INPCAR65	6.5	5 mm.

Expanded healing abutments



Ref.	Ø	Length
INPCAREX55	5.5-7	5 mm.
INPCAREX56	5.5-7	6 mm.
INPCAREX57	5.5-7	7 mm.

IMPRESSION COPINGS AND OCCLUSAL REGISTRATION INDICATORS

INTERNA



IMPRESSION COPINGS

This part is used **to make impressions directly to the implant or to a transepithelial abutment**. Individual fenestrated trays or disposable perforated plastic trays are used for the indirect technique and closed trays are used for the direct technique.

They are manufactured from commercially pure titanium and consist of two parts, the body that has the shape of the connection and the screw that must be tightened manually or with a large hexagon screwdriver. In the indirect technique, this screw must be loosened once the impression material has set and before removing the tray from the patient's mouth.

The copings for the direct technique are made of titanium with anodization treatment.

OCCLUSAL REGISTRATION INDICATORS

These are used **for occlusal registration** in edentulous patients in cases of immediate loading.
They are screwed directly onto transepithelial abutments with the DIRO or PDIRO screwdriver before making impressions.

FAMILY
Direct-to-implant impression copings

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

INDIRECT TECHNIQUE

Engaging
Emergence profile Ø of 3.0 mm



Ref.	Ø	Longitud
INCII33	3,0	12mm

Engaging
Emergence profile Ø of 4.0 and 5.0 mm



Ref.	Ø	Length
INCIIU41	4.0	9 mm.
INCIIU4	4.0	12 mm.
INCIIU51	5.0	9 mm.
INCIIU5	5.0	12 mm.

Engaging
Emergence profile Ø of 5.5 and 6.5 mm



Ref.	Ø	Length
INCIIA51	5.5	9 mm.
INCIIA5	5.5	12 mm.
INCIIA61	6.5	9 mm.
INCIIA6	6.5	12 mm.

Engaging
Emergence profile Ø of 3.5 mm and 4.5 mm.



Ref.	Ø	Length
INCIIE3	3.5	12 mm.
INCIIE4	4.5	12 mm.

Non-engaging
Emergence profile Ø of 5.0 mm



Ref.	Ø	Length
INCIRIU51	5.0	9 mm.
INCIRIU5	5.0	12 mm.

Non-engaging
Emergence profile Ø of 5.5 mm



Ref.	Ø	Length
INCIRIA51	5.5	9 mm.
INCIRIA5	5.5	12 mm.

General information on copings for the indirect technique

Engaging: · Single prostheses · Multiple cemented prostheses

Non-engaging: _____ · Multiple screw-retained prostheses

DIRECT TECHNIQUE



Ref.	Ø	Lengt
INCIDE2	3.5	2 mm.
INCIDE3	3.5	3 mm.
INCIDE4	3.5	4 mm.



Ref.
SID (5 units)



Ref.	Ø	Lengt
INCIDU2	4.0	2 mm.
INCIDU3	4.0	3 mm.
INCIDU4	4.0	4 mm.



Ref.
SID (5 units)



Ref.	Ø
INCIDA	5.5

FAMILY
Copings on transepithelials

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

UNIT TRANSEPITHELIAL

Indirect Technique Straight



Ref.
CIMIUPE

Indirect Technique Straight



Ref.
CIMIUPU

Indirect Technique Straight



Ref.
CIMIUPA

Direct Technique Straight



Ref.
CIDMIUPU



Ref.
SID (5 units)

MULTI-IM® TRANSEPITHELIAL

Indirect technique Straight



Ref.	ø
CIMIPEU	4.0

Indirect technique Angled



Ref.	ø
CIMIPEUA	5.0

Indirect technique Straight



Ref.	ø
CIMIPA	5.5

OCCLUSAL REGISTRATION INDICATORS

Straight



Ref.	Ø	Longitud
IROMIEU1	4.0	6 mm.
IROMIEU	4.0	9 mm.

Angled



Ref.	ø
IROMIEUA	4.0

Straight



Ref.	Ø	Longitud
IROMIA	5.5	9 mm.

LABORATORY ANALOG

INTERNA



Analog of the implant platform or transepithelial abutment.

Once the tray has been extracted from the patient's mouth with the copings, the appropriate analog must be screwed in.

The **analogs of internal connection are manufactured from commercially pure titanium**, while the **analogs of external connection are manufactured from surgical stainless steel (AISI 303)**.

They are a faithful reproduction of the platform and connection of the implant. They are designed to withstand the placement of the prosthetic work.

FAMILY
Laboratory analog

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

Manufactured from commercially pure titanium.



Ref.
INRLI3

Manufactured from commercially pure titanium.



Ref.
INRLIE

Manufactured from commercially pure titanium.



Ref.
INRLIU

Manufactured from commercially pure titanium.



Ref.
INRLIA

UNIT TRANSEPITHELIAL

Manufactured from commercially pure titanium.



Ref.
RLMIUPE

Manufactured from commercially pure titanium.



Ref.
RLMIUPU

Manufactured from commercially pure titanium.



Ref.
RLMIUPA

MULTI-IM® TRANSEPITHELIAL

Straight

Manufactured from surgical stainless steel.



Ref.
RLMIEU

Angled

Manufactured from surgical stainless steel.



Ref.
RLMIEUA

Straight

Manufactured from surgical stainless steel.



Ref.
RLMIA

PROVISIONAL TITANIUM CYLINDER

Engaging and non-engaging

INTERNA





Cylinder indicated for the manufacture of resin provisionals.

Manufactured from commercially pure titanium. It has different emergence profiles depending on the implant platform for which they are indicated.

They are screwed into the implant with the titanium Ti-black hexagonal screw or gold square screw at **35 Ncm** or, on Multi-Im® transepithelials, at **20 Ncm**.

FAMILY
Provisional titanium cylinder

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

Emergence profile Ø of 3.0 mm



Ref.

Individual restorations
INCPI31 (engaging)

Multiple restorations
INCPI30 (non-engaging)

Emergence profile Ø of 3.5 mm



Ref.

Individual restorations
INCPIE1 *(engaging)*

Multiple restorations
INCPIE0 *(non-engaging)*

Emergence profile Ø of 5 mm



Ref.

Individual restorations
INCPIU1 *(engaging)*

Multiple restorations
INCPIU0 *(non-engaging)*

Emergence profile Ø of 6.3 mm



Ref.

Individual restorations
INCPIA1 *(engaging)*

Multiple restorations
INCPIA0 *(non-engaging)*

UNIT TRANSEPITHELIAL



Ref.

Preparation of provisionals, in particular immediate loading
CPMIUPE



Ref.

Preparation of provisionals, in particular immediate loading
CPMIUPU



Ref.

Preparation of provisionals, in particular immediate loading
CPMIUPA

MULTI-IM® TRANSEPITHELIAL

Straight



Ref.

Preparation of provisionals, in particular immediate loading
CPMIPEU

Angled



Ref.

Preparation of provisionals, in particular immediate loading
CPMIPEUA

Straight



Ref.

Preparation of provisionals, in particular immediate loading
CPMIPA

PROVISIONAL TITANIUM BIOABUTMENT®

INTERNA



Cylinder indicated for the manufacture of resin provisionals. This range of abutments is specific for the philosophy of the BIOPILAR® profiles. The BIO concept represents an evolution of the design of prosthodontic rehabilitation, based on the modification of the biological space.

It introduces a new vision oriented towards the long-term stability of hard and soft tissues for long lasting aesthetics. It is based on a change in the morphology of the transgingival profile to ensure better vascularisation.

INDICATIONS

- In cases of aesthetic requirements in the anterior sector.
- In cases of limited interdental space.

- **Material:** commercially pure titanium.

FAMILY
Provisional titanium bio-abutment

Universal
Universal Plus
Wide

INTERNA®

Emergence profile Ø of 5.0 mm



Ref.	Ø	Length
INCPIUB13	5.0	3 mm
INCPIUB14	5.0	4 mm
(engaging)		

Emergence profile Ø of 5.0 mm



Ref.	Ø	Length
INCPIUB03	5.0	3 mm
INCPIUB04	5.0	4 mm
(non-engaging)		

PROVISIONAL AESTHETIC CYLINDER

Engaging and non-engaging

INTERNA





White plastic provisional cylinders (PEEK), which makes them suitable for preparing provisionals in aesthetic areas. They can be loaded with acrylic materials without the need to hide the grey titanium colour.

The observations to be taken into account in the use of these components are the following:

- These parts are approved for **provisional use in the mouth** for periods of 6 months or less, so a more long-term use is absolutely contraindicated.
- The drilling of these parts in the laboratory must be performed at low revolutions. Excessive overheating that could melt the plastic must be avoided.
- They are not indicated in patients with bruxism or in the posterior tooth area exposed to greater masticatory loads.
- In cases in which it is necessary to use cement on these parts, it is advisable to avoid polyurethane-based cements, as they may present problems of setting.

They are screwed into the implant with the titanium Ti-black hexagonal screw or gold square screw at **20 Ncm** and on the transepithelials also **at 20 Ncm** .

FAMILY
Aesthetic provisional cylinders and abutments

Narrow
Universal
Universal Plus
Wide

INTERNA®

For screw-retained prostheses

Emergence profile Ø of 3.5 mm



Ref.
Individual restorations
INCPIEP1 ***(engaging)***

Multiple restorations
INCPIEP0 ***(non-engaging)***

For screw-retained prostheses

Emergence profile Ø of 5 mm



Ref.
Individual restorations
INCPIUP1 ***(engaging)***

Multiple restorations
INCPIUP0 ***(non-engaging)***

For cemented prostheses

Emergence profile Ø of 4 and 5 mm
Height of neck 4 mm



Ref.	ø
INPPUP44	4.0
INPPUP54	5.0

For screw-retained prostheses

Emergence profile Ø of 6.3 mm



Ref.
Individual restorations
INCPIAP1 ***(engaging)***

UNIT TRANSEPITHELIAL



Ref.
Preparation of provisionals, in particular immediate loading
CPMIUPUP



Ref.
Preparation of provisionals, in particular immediate loading
CPMIUPAP

MULTI-IM® TRANSEPITHELIAL



Ref.
Preparation of provisionals, in particular immediate loading
CPMIPEUP



Ref.
Preparation of provisionals, in particular immediate loading
CPMIPAP

TITANIUM ABUTMENT
Straight and angled

INTERNA





Enables the restoration of multiple and individual teeth. They are screwed directly into the implant and used with cemented prostheses. The impression is made directly to the implant (indirect technique).

They are screwed into the implant with the Ti-black screw or the gold square screw at **35 Ncm**.

INDICATIONS

· **Straight titanium abutment**: They are indicated for multiple and single restorations without significant angle problems (between 0º and 15º).

· **Angled titanium abutment 15º**: They are indicated for multiple and single restorations with angle problems (between 15º and 25º).

· In cases juxta-gingival implants, they can be micromilled to the limit (leaving a minimum margin of metal on the vestibular side).

· **Material**: commercially pure titanium.

** This component for the Universal and Universal Plus platforms can also be used in Wide Platform Implants (Interna®) as long as they are placed juxta- or subcrestally, to improve the biological space.*

FAMILY
Titanium abutment

- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

Straight



Ref.	Ø	Length
INPPTU42	4.1	2 mm
INPPTU44	4.1	4 mm
INPPTU52	5.0	2 mm
INPPTU53	5.0	3 mm
INPPTU54	5.0	4 mm
INPPTU56	5.0	6 mm
INPPTU62	6.0	2 mm
INPPTU63	6.0	3 mm
INPPTU64	6.0	4 mm

Angled 15º



Ref.	Ø	Length
INPPTUA52	5.0	2 mm
INPPTUA54	5.0	4 mm

Anatomic angled 15º



Ref.	Ø	Length
INPPTUA42	4.3/5.0	2 mm
INPPTUA44	4.3/5.0	4 mm

Straight



Ref.	Ø	Length
INPPTA52	5.5	2 mm
INPPTA54	5.5	4 mm
INPPTA56	5.5	6 mm
INPPTA62	6.5	2 mm
INPPTA64	6.5	4 mm
INPPTA66	6.5	6 mm
INPPTA74	7.5	4 mm

With a surface treatment Ti golden.

Angled 15º



Ref.	Ø	Length
INPPTAA52	5.5	2 mm
INPPTAA54	5.5	4 mm

TITANIUM BIOPILAR®

Straight and angled

INTERNA





Enables the restoration of multiple and individual teeth. They are screwed directly into the implant with the square gold screw or the Ti-black screw at **35 Ncm** and used with cemented prostheses.

This range of abutments is specific for the philosophy of the BIOPILAR® profiles. The BIO concept represents an evolution of the design of prosthodontic rehabilitation, based on the modification of the biological space. It introduces a new vision oriented towards the long-term stability of hard and soft tissues for long lasting aesthetics. It is based on a change in the morphology of the transgingival profile to ensure better vascularisation.

INDICATIONS

- In cases of aesthetic requirements in the anterior sector.
- In cases of limited interdental space.

- **Material:** Commercial pure titanium with a Ti-golden surface treatment.

** This component for the Universal and Universal Plus platforms can also be used in Wide Platform Implants (Interna®) as long as they are placed juxta- or subcrestally, to improve the biological space.*

FAMILY
Titanium BIOPILAR®

3.0
Narrow
Universal
Universal Plus

INTERNA®

Straight



Ref.	Ø	Length
INPPT3B33	3,4	3 mm.
INPPT3B34	3,4	4 mm.

Straight



Ref.	Ø	Length
INPPTEB33	3,5	3 mm.
INPPTEB34	3,5	4 mm.



Ref.	Ø	Length
INPPTEB43	4,2	3 mm.
INPPTEB44	4,2	4 mm.

Angled 15º



Ref.	Ø	Length
INPPTEAB43	3,75/4,2	3 mm.
INPPTEAB44	3,75/4,2	4 mm.
INPPTEAB45	3,75/4,2	5 mm.

Straight



Ref.	Ø	Length
INPPTUB53	5,0	3 mm.
INPPTUB54	5,0	4 mm.
INPPTUB55	5,0	5 mm.

Angled 15º



Ref.	Ø	Length
INPPTUAB53	5,0	3 mm.
INPPTUAB54	5,0	4 mm.
INPPTUAB55	5,0	5 mm.

Straight bio-abutments: They are indicated for multiple and single restorations without significant angle problems (between 0º and 15º).

Angled bio-abutments 15º: They are indicated for multiple and single restorations with angle problems (between 15º and 25º).

CERAMISABLE ABUTMENT
CERAMIC-ON®

INTERNA



These enable the restoration of multiple and individual teeth. They are screwed directly into the implant and used with cemented prostheses. The impression is made directly to the implant (indirect technique).

Available for Universal platform Interna connection.

They are screwed into the implant with the square gold screw or the Ti-black screw at **35 Ncm**. They do not require the use of any other component.

INDICATIONS

- **Multiple and single restorations:** When the height of the tissues is 1 mm or greater, it is possible to make angled ceramic abutments. Crowns with a ceramic shoulder or fully ceramic crowns can be cemented onto them.
- Designed to add ceramic for titanium.
- Fusion interval: 1020-1155ºC.
- **Manufactured: From commercially pure Ti.**

** This component for the Universal and Universal Plus platforms can also be used in Wide Platform Implants (Interna®) as long as they are placed juxta- or subcrestally, to improve the biological space.*

FAMILY
CERAMIC-ON®

Universal
Universal Plus

INTERNA®

Titanium

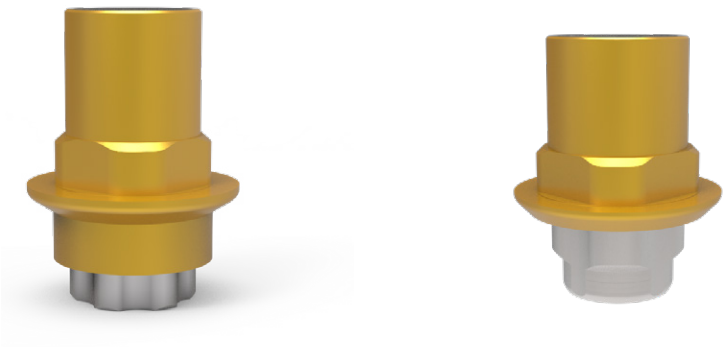


Ref.	Ø	Length
INPPCTU	5.0	1 mm

SQUARE AESTHETIC ABUTMENTS

Engaging and non-engaging

INTERNA



Aesthetic abutments for direct to implant prostheses, with a BIO Profile for long-term maintenance of the gingival mucous membranes and a square anti-rotation base to maximize the crown retention.

Manufactured from commercial pure titanium with a Ti-golden surface treatment. Various transgingival heights are available.

Non-engaging version: Suitable for multiple prosthesis screwed into the implant.
Engaging version: Suitable for single prosthesis (screwed and cemented) and multiple cemented prosthesis.

Highly versatile, they can be used with or without a casting sleeve, for the manufacture of conventional prostheses and CAD/CAM systems.

The casting sleeves are manufactured from ertacetal. When working with no sleeve, the aesthetic abutments are used as machined bases on which Zr, e-max, Ti, Cr-Co and resin crowns/bridges are shaped. When working with a sleeve, screw retained and cemented conventional prostheses (casting and ceramic injection) are prepared.

They are screwed into the implant with the square gold screw or the Ti-black screw at **35 Ncm**.

If CAD-CAM is chosen, Square abutments allow angle corrections up to 15º being screwed with the hexagonal Ti-black screw (except platform 3.0 and narrow which have a specific retention screw)

⊕ More information on the aesthetic abutment post in the brochure "Square aesthetic abutments".

SQUARE AESTHETIC ABUTMENTS

3.0
Narrow
Universal
Universal Plus
Wide

INTERNA®

Ti-golden

ENGAGING



Ref.	ø	Length
INPESP30	3,0	0 mm.
INPESP31	3,0	1 mm.
INPESP32	3,0	2 mm.

* These components are provided with the specific retaining screws.

Ti-golden

ENGAGING



Ref.	ø	Length
INPESPE0	3,5	0 mm.



Ref.	ø	Length
INPESPE1	3,5	1 mm.
INPESPE2	3,5	2 mm.
INPESPE3	3,5	3 mm.

NON-ENGAGING



Ref.	ø	Longitud
INPESPER0	3,5	0 mm.

* These components are provided with the specific retaining screws.

Ti-golden

ENGAGING



Ref.	ø	Length
INPESPU0	4,1	0 mm.
INPESPU1	4,1	1 mm.
INPESPU2	4,1	2 mm.
INPESPU3	4,1	3 mm.

NON-ENGAGING



Ref.	ø	Length
INPESPUR0	4,1	0 mm.

Ti-golden

ENGAGING



Ref.	ø	Length
INPESPA0	5,5	0 mm.



Ref.	ø	Length
INPESPA1	5,5	1 mm.
INPESPA2	5,5	2 mm.

CASTING SLEEVE

Narrow



Ref.
CPESPE

Universal



Ref.
CPESPU

Wide



Ref.
CPESPA

UCLA GOLD ABUTMENT

Engaging and non-engaging

INTERNA



Gold cylinder, machined, used as an alternative in the construction of the conventional UCLA abutment. The engaging one is used for the construction of individual teeth (screw-retained) or stumps (cemented). The non-engaging one is used in cases of multiple screw-retained restorations. The impression is made directly to the implant (indirect technique).

They are screwed into the implant with the square gold screw or the Ti-black screw at **35 Ncm**.

INDICATIONS

· **Multiple and single restorations** It also solves problems of angle and customisation of the emergence profile, as angled abutments can be custom made. They are cast-on with precious alloys for ceramic, for subsequent ceramisation, or with gold for manufacturing stumps. (CET 25-500ºC: 11.9x10-6 K-1; 25-600ºC: 12.2x10-6 K-1).

· **Material:** Alloy with a high gold content and a high melting point (1400º C).

· Consisting of two parts: Gold cylinder and casting chimney.

· BTI strongly recommends that, in cases of multiple screw-retained prosthesis, the abutment Multi-Im® is used instead of this component.

** This component for the Universal and Universal Plus platforms can also be used in Wide Platform Implants (Interna®) as long as they are placed juxta- or subcrestally, to improve the biological space.*

FAMILY
UCLA gold abutment

Narrow
Universal
Universal Plus
Wide

INTERNA®

Emergence profile Ø of 4.1 mm



Ref.
INPUOU1 ***(engaging)***
INPUOU0 ***(non-engaging)***

Emergence profile Ø of 5.5 mm.



Ref.
INPUOA1 ***(engaging)***
INPUOA0 ***(non-engaging)***

CASTABLE ABUTMENT
Engaging and non-engaging

INTERNA





Manufactured from casting plastic, the engaging one is used for the construction of individual teeth (screw-retained) or stumps (cemented), while the non-engaging one is used in cases of multiple screw-retained restorations.

The impression is made directly to the implant (indirect technique).

They are screwed into the implant with the square gold screw or the Ti-black screw at **35 Ncm.**

INDICATIONS

· **Multiple and single restorations** It also solves problems of angle and customisation of the emergence, as angled abutments can be custom made.

· They are cast with precious alloys for ceramic or with gold for manufacturing stumps.

· Lower quality alloys must not be used as the fit will be deficient and there may be problems of subsequent loosening of the abutments.

BTI strongly recommends that, in cases of multiple screw-retained prosthesis, the abutment Multi-Im® is used instead of this component.

** This component for the Universal and Universal Plus platforms can also be used in Wide Platform Implants (Interna®) as long as they are placed juxta- or subcrestally, to improve the biological space.*

FAMILY
Castable abutment

- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

Emergence profile Ø of 3.5 mm



Ref.
INPUCE1 (engaging)
INPUCE0 (non-engaging)

Emergence profile Ø of 4.5 mm



Ref.
INPUCU1 (engaging)
INPUCU0 (non-engaging)

Emergence profile Ø of 5.5 mm



Ref.
INPUCA0 (non-engaging)

UNIT TRANSEPITHELIAL

Straight

INTERNA



Engaging titanium transepithelial made up of two components: sleeve and retaining screw. The cylinder and the screw have specific surface treatment: Ti golden and Ti-black.

It is available for the Narrow, Universal and Wide platforms in interna connection and Universal and Wide in externa. Connection with the implant through the corresponding figure. At the top has a square, with no sharp edges, into which the rest of the components fit.

It is screwed into the implant with the disposable plastic screwdriver, however there is a specific positioner (PTUPUXX - Universal platform, PTUPAXX - Wide platform) that makes easier the Unit transepithelial placement onto implant connection, and the definitive torque is applied with the corresponding torque wrench tip and the torque wrench LLMTP at **35 Ncm**.

INDICATIONS

This is the appropriate component for immediate loading of screw retained single unit restoration. It asures the Hermetic Seal at the interface with the implant and the preservation of biological seal by means of hemidesmosomes; enables restoration finish using CAD/CAM or conventionally using Square abutments .

Re-use and/or re-sterilisation of these single-use products may cause risk of infection and/or cross contamination.

FAMILY
Straight UNIT Transepithelial

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

Straight (Ti Golden)

Emergence profile Ø of 3,5 mm
Prosthesis diameter of 3,5 mm.



Ref.	ø	Length
INTMIUPE3520	3,5	2 mm.
INTMIUPE3525	3,5	2.5 mm.
INTMIUPE3530	3,5	3 mm.
INTMIUPE3535	3,5	3.5 mm.
INTMIUPE3540	3,5	4 mm.
INTMIUPE3550	3,5	5 mm.

Torque tip: PTTEXX

Straight (Ti Golden)

Emergence profile Ø of 4,1 mm.
Prosthesis diameter of 4,1 mm.



Ref.	ø	Length
INTMIUPU15	4,1	1.5 mm.
INTMIUPU20	4,1	2 mm.
INTMIUPU25	4,1	2.5 mm.
INTMIUPU30	4,1	3 mm.
INTMIUPU35	4,1	3.5 mm.
INTMIUPU40	4,1	4 mm.
INTMIUPU50	4,1	5 mm.

Torque tip: PTTUXX

Straight (Ti Golden)

Emergence profile Ø of 5,5 mm.
Prosthesis diameter of 5,5 mm.



Ref.	ø	Length
INTMIUPA20	5,5	2 mm.
INTMIUPA25	5,5	2.5 mm.
INTMIUPA30	5,5	3 mm.
INTMIUPA35	5,5	3.5 mm.
INTMIUPA40	5,5	4 mm.

Torque tip: PTUAXX

PROTECTION CAPS

Straight



Ref.	ø
TPMIUPE	3,5



Ref.	ø
TPMIUPU	4,0

Expanded



Ref.	ø
TPMIUPUEX	4-6



Ref.	ø
TPMIUPU5	4-5

For Square expanded interface



Ref.	ø
TPMIUPAEX	5,5-7

Straight



Ref.	ø
TPMIUPA	5,5

POSITIONERS



Ref.	Length
PTUPU16	16 mm.
PTUPU22	22 mm.



Ref.	Length
PTUPA16	16 mm.
PTUPA22	22 mm.

UNIT ABUTMENT
Expanded

INTERNA



Expanded Unit transepithelial abutments for Interna and Externa connection.

These components make the transfer from a narrower implant platform to a wider prosthetic platform.

They maintain the two-part structure (cylinder and screw), and the surface with Ti Golden treatment and Ti Black screw.

Screws to the implant at **35 Ncm** with the appropriate torque wrench tip.

INDICACIONES

Indicated in areas of the jaw where a wider prosthetic emergence is needed than that provided by the platform of the inserted implant.
They facilitate the stability of the soft tissues, in the second surgery or in cases of immediate load.

Re-use and/or re-sterilisation of these single-use products may cause risk of infection and/or cross contamination.

FAMILY
Expanded UNIT Transepithelial

- 3.0
- Narrow
- Universal
- Universal Plus

INTERNA®

Expanded (Ti Golden)

Emergence profile Ø of 3,0 mm.
Prosthesis diameter of 3,5 mm.

Only for ø. 3 y 3,3 implants



Ref.	ø	Length
INTMIUP320	3,0-3,5	2 mm.
INTMIUP325	3,0-3,5	2.5 mm.
INTMIUP330	3,0-3,5	3 mm.

35 Ncm.

Torque tip: PTTEXX

Expanded (Ti Golden)

Emergence profile Ø of 3,5 mm.
Prosthesis diameter of 4,1 mm.



Ref.	ø	Length
INTMIUPE20	3,5 -4,1	2 mm.
INTMIUPE25	3,5 -4,1	2.5 mm.
INTMIUPE30	3,5 -4,1	3 mm.
INTMIUPE35	3,5 -4,1	3.5 mm.
INTMIUPE40	3,5 -4,1	4 mm.
INTMIUPE50	3,5 -4,1	5 mm.

Torque tip: PTTUXX

Expanded (Ti Golden)

Emergence profile Ø of 4,1 mm.
Prosthesis diameter of 5,5 mm.

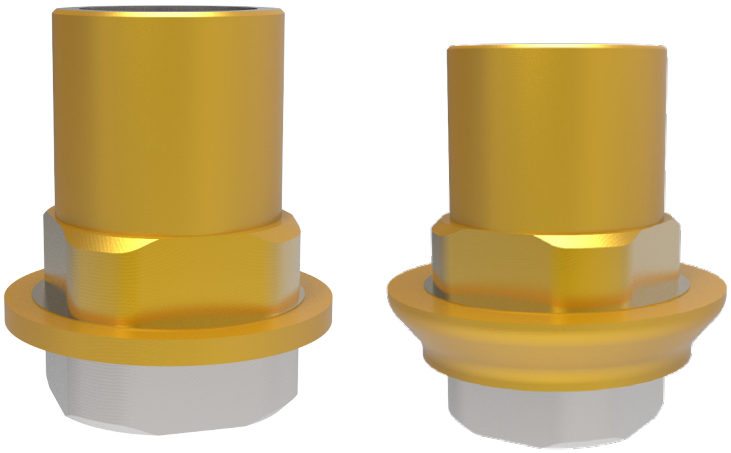


Ref.	ø	Length
INTMIUPUEX20	4,1 -5,5	2 mm.
INTMIUPUEX25	4,1 -5,5	2.5 mm.
INTMIUPUEX30	4,1 -5,5	3 mm.
INTMIUPUEX35	4,1 -5,5	3,5 mm.
INTMIUPUEX40	4,1 -5,5	4 mm.

Torque tip: PTUAXX

SQUARE AESTHETIC INTERFACES
Straight and expanded

INTERNA



Solutions for final prosthetic restorations on Unit Transepithelials. Surface with Ti golden treatment.

Highly versatile, the square aesthetic interfaces can be used with or without a casting sleeve, for the manufacture of conventional prostheses and CAD/CAM systems.

The expanded interfaces will be used when needed to change the profile of the central upper incisors and upper and lower premolars.

If CAD CAM is chosen, the straight interface allow angulation correction up to 15º; the expanded Universal interface allows angulation correction from 0 to 30º.

These interfaces are screw retained to the transepithelial with TTMIR or TTMI30, depending on the requested angulation, at **20 Ncm**.

When restoring on Unit Transepithelial Wide Plataform it is necessary to use a different screw TTMIUPA (20 Ncm).

SQUARE AESTHETIC INTERFACES
Straight and expanded

3.0
Narrow
Universal
Universal Plus
Wide

UNIT TRANSEPITHELIAL

Square aesthetic abutment



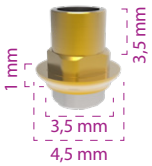
Ref.
IESMIUPE

Casting sleeve



Ref.
CIESMIUPE

Expanded square aesthetic abutment



Ref.
IESMIUPEEX

Casting sleeve



Ref.
CIESMIUPEEX

Square aesthetic abutment



Ref.
IESMIUPU

Casting sleeve



Ref.
CIESMIUPU

Square Aesthetic abutment



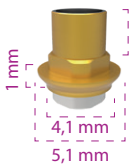
Ref.
IESMIUPUL

Casting sleeve



Ref.
CIESMIUPUL

Expanded square asthetic interface



Ref.
IESMIUPUEX

Casting sleeve



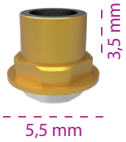
Ref.
CIESMIUPUEX

Casting cylinder



Ref.
PUCMIUPU

Square aesthetic abutment



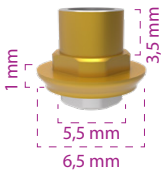
Ref.
IESMIUPA

Casting sleeve



Ref.
CPESPA

Expanded square asthetic interface



Ref.
IESMIUPAEX

Expanded casting sleeve



Ref.
CIESMIUPAEX

Casting cylinder



Ref.
PUCMIUPA

Multi-Im® ABUTMENT
Straight

INTERNA



Titanium transepithelial made up of two components: sleeve and retaining screw. The cylinder and the screw have specific surface treatment: Ti golden and Ti-black.

Is screwed into the implant with the disposable plastic screwdriver and the definitive torque is applied with the PTTUXX torque wrench tip and the torque wrench LLMTP at **35 Ncm**.

INDICATIONS

For multiple screw-retained restorations. This is the abutment to choose for immediate loading of screw retained multiple restoration and for manufacturing bars on overdentures. It enables the restoration to emerge even at 0.5 mm above the implant, in addition its low cone height enables us to resolve divergences between implants.
They are sold sterile.

** This component for the Universal and Universal Plus platforms can also be used in Wide Platform Implants (Interna®) as long as they are placed juxta- or subcrestally, to improve the biological space.*

Re-use and/or re-sterilisation of these single-use products may cause risk of infection and/or cross contamination.

⊕ More information on the Multi-Im® transepithelial on the website

FAMILY

Straight Multi-Im® transepithelial abutment

Universal
Universal Plus
Wide

INTERNA®

Straight (Ti Golden)

Emergence profile Ø of 4,1 mm.
Prosthesis diameter of 4,1 mm.



Ref.	ø	Length
INTMIPU05	4,1	0,5 mm.
INTMIPU10	4,1	1 mm.
INTMIPU15	4,1	1,5 mm.
INTMIPU20	4,1	2 mm.
INTMIPU25	4,1	2,5 mm.
INTMIPU30	4,1	3 mm.
INTMIPU35	4,1	3,5 mm.
INTMIPU40	4,1	4 mm.
INTMIPU50	4,1	5 mm.

Torque tip: PTTUXX

Straight (Ti Golden)

Emergence profile Ø of 5,5 mm.
Prosthesis diameter of 5,5 mm.



Ref.	ø	Length
INTMIPA10	5,5	1 mm.
INTMIPA20	5,5	2 mm.
INTMIPA25	5,5	2,5 mm.
INTMIPA30	5,5	3 mm.
INTMIPA40	5,5	4 mm.

Torque tip: PTTUXX

Multi-Im® ABUTMENT
Expanded

INTERNA



Expanded Unit transepithelial abutments for Interna and Externa connection.

These components make the transfer from a narrower implant platform to a wider prosthetic platform.

They maintain the two-part structure (cylinder and screw), and the surface with Ti Golden treatment and Ti Black screw.

Screws to the implant at **35 Ncm** with the appropriate torque wrench tip.

INDICACIONES

Indicated in areas of the jaw where a wider prosthetic emergence is needed than that provided by the platform of the inserted implant.
They facilitate the stability of the soft tissues, in the second surgery or in cases of immediate load.

Re-use and/or re-sterilisation of these single-use products may cause risk of infection and/or cross contamination.

FAMILY
Expanded Multi-Im® transepithelial abutment

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

Expanded (Ti Golden)

Emergence profile Ø of 3,0 mm.
Prosthesis diameter of 4,1 mm.

For Ø 3.0 mm and Ø 3.3 mm implants



Ref.	ø	Length
INTMIP320	3,0 -3,5	2,0 mm.
INTMIP325	3,0 -3,5	2,5 mm.
INTMIP330	3,0 -3,5	3,0 mm.
INTMIP335	3,0 -3,5	3,5 mm.
INTMIP340	3,0 -3,5	4,0 mm.

Torque tip: PTTUXX

For Ø 2.5 mm.implants



Ref.	ø	Length
INTMIP32520	3,0 -3,5	2,0 mm.
INTMIP32525	3,0 -3,5	2,5 mm.
INTMIP32530	3,0 -3,5	3,0 mm.
INTMIP32535	3,0 -3,5	3,5 mm.
INTMIP32540	3,0 -3,5	4,0 mm.

Torque tip: PTTUXX

Expanded (Ti Golden)

Emergence profile Ø of3,5 mm. de ø.
Prosthesis diameter of 4,1 mm.



Ref.	ø	Length
INTMIPE10	3,5 -4,1	1 mm.
INTMIPE15	3,5 -4,1	1.5 mm.
INTMIPE20	3,5 -4,1	2 mm.
INTMIPE25	3,5 -4,1	2.5 mm.
INTMIPE30	3,5 -4,1	3 mm.
INTMIPE35	3,5 -4,1	3.5 mm.
INTMIPE40	3,5 -4,1	4 mm.
INTMIPE50	3,5 -4,1	5 mm.

Torque tip: PTTUXX

Emergence profile Ø of 4,1 mm.
Prosthesis diameter of 5,5 mm.



Ref.	ø	Length
INTMIPUEX10	4,1 -5,5	1 mm
INTMIPUEX15	4,1 -5,5	1.5 mm
INTMIPUEX20	4,1 -5,5	2 mm
INTMIPUEX25	4,1 -5,5	2.5 mm
INTMIPUEX30	4,1 -5,5	3 mm
INTMIPUEX35	4,1 -5,5	3.5 mm
INTMIPUEX40	4,1 -5,5	4 mm
INTMIPUEX50	4,1 -5,5	5 mm

Torque tip: PTTUXX

Multi-Im® ABUTMENT
Angled

INTERNA



Titanium abutment made up of two components: angled cylinder and retaining screw. Ti-golden surface treatment in the cylinder and Ti-black in the screw.

They are available in 2 versions - angled at 17º and 30º for the universal platform and 17º for the narrow platform, which allows us to correct non-parallel¬ inclined implants, with easier construction of prosthetic structures.

The transporter is metallic; to give it torque the PTHS22 tip will be used with the LLMTP wrench at **35 Ncm**.

The prosthetic components of these elements are specially designed for them and are COMPATIBLE with both angles and platforms.

Re-use and/or re-sterilisation of these single-use products may cause risk of infection and/or cross contamination.

⊕ More information on the Multi-Im® transepithelial on the website

FAMILY
Angled Multi-Im® transepithelial abutment

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

Angled 17º

Emergence profile Ø of 3,5 mm.
Prosthesis diameter of 5,0 mm.



Ref.	ø	Length
INTMIPEB15	3,5	1,5 mm.
INTMIPEB20	3,5	2 mm.
INTMIPEB30	3,5	3 mm.

Torque tip: PTHSXX

Angled 17º

Emergence profile Ø of 4,1 mm.
Prosthesis diameter of 5,0 mm.



Ref.	ø	Length
INTMIPUB15	4,1	1,5 mm.
INTMIPUB20	4,1	2 mm.
INTMIPUB30	4,1	3 mm.
INTMIPUB40	4,1	4 mm.
INTMIPUB50	4,1	5 mm.

Angled 30º

Emergence profile Ø of 4,1 mm.
Prosthesis diameter of 5,0 mm.



Ref.	ø	Length
INTMIPUC15	4,1	1,5 mm.
INTMIPUC20	4,1	2 mm.
INTMIPUC30	4,1	3 mm.

Torque tip: PTHSXX

PROTECTIVE CAPS

Multi-Im® transepithelial abutment

INTERNA



All the caps are screwed onto the transepithelials. They are used from the placement of the transepithelial until the fitting of the definitive or provisional prosthesis, to prevent the gum growing over the transepithelial and protecting the tongue from friction. The head of the cap has a hexagonal insertion that enables it to be transported to its position easily. The recommended tightening torque is **10 Ncm**. **Material:** commercially pure titanium. There are 2 caps of titanium with a part of PEEK.

FAMILY
Protective caps

- 3.0
- Narrow
- Universal
- Universal Plus
- Wide

INTERNA® AND EXTERNA®

Straight



Ref.	ø	Length
TPMIEU	4.0	4 mm.



Ref.	ø	Length
TPMIEU1	4.0	3 mm.

Expanded



Ref.	ø
TPMIPUEX	4-6



Ref.	ø
TPMIPU5	4-5

For restorations with the use of the expanded aesthetic interface

Angled



Ref.	ø
TPMIEUA	5.0

Straight



Ref.	ø
TPMIA	5.5

Expanded



Ref.	ø
TPMIPAEX	5.5 - 7

TOOLS FOR THE LABORATORY

INTERNA





Tools for polishing, made for Multi-Im transepithelial Narrow and Universal platforms and for UNIT Transepithelial Narrow and Universal platform.

These pieces are necessary for the protection of the prosthetic structures in the laboratory.

Narrow
Universal
Universal Plus

UNIT TRANSEPITHELIAL

Ref.
UPMIUPU



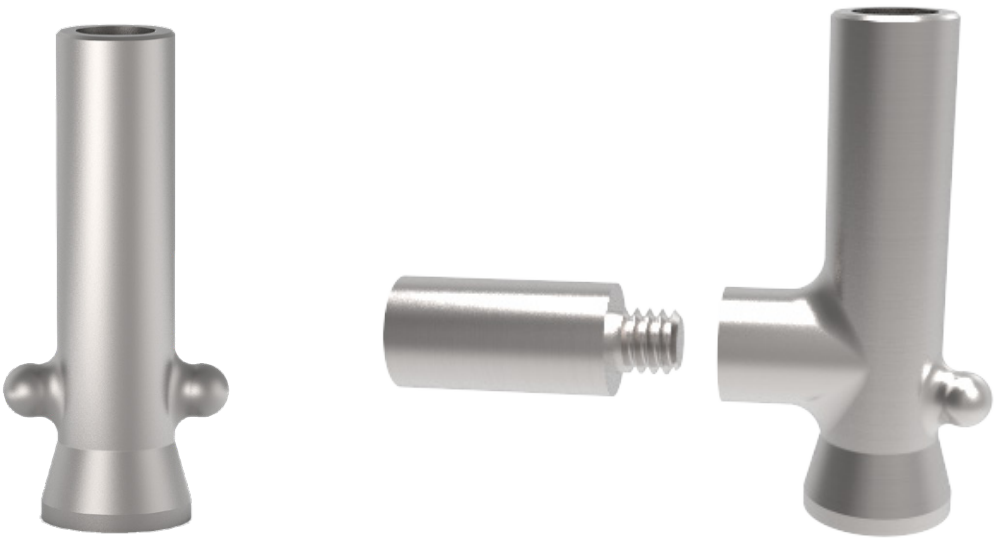
MULTI-IM®

Ref.
UPMIEU



ARTICULATED BARS FOR STRAIGHT Multi-Im®

INTERNA



Suitable for provisional prosthetic structures screw-retained on Multi-Im® abutments. They are titanium cylinders with lateral spheres, that mesh with the articulated bars to form the internal structure of the prosthesis.

The bars with cantilever have a separate extension which is screw-retained manually.

ADVANTAGES

· Ease and speed in the completion of the work.

· More robust that a classic provisional structure.

FAMILY

Articulated bars for straight Multi-Im®

3.0
Narrow
Universal
Universal Plus
Wide

MULTI-IM®

Ref.
BAP1



Ref.
BAP2A



Ref.
BAP2B



NOTE: The spheres may be cut, if they will not be used in the structure, so they do not interfere with adjacent teeth.

Ref.
BAPA1



Ref.
BAPA2A



Ref.
BAPA2B



NOTE: The spheres may be cut, if they will not be used in the structure, so they do not interfere with adjacent teeth.

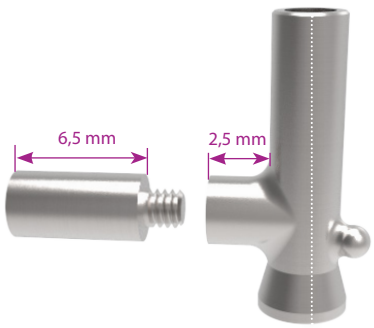
Ref.
BAP3



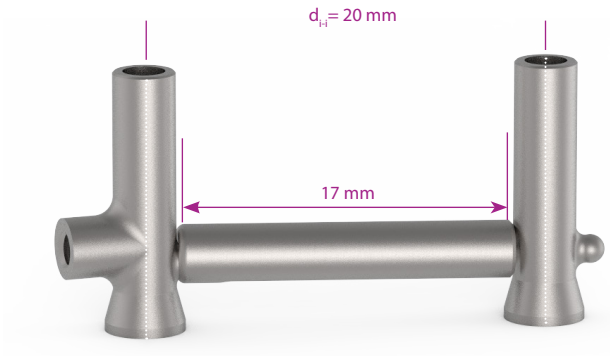
NOTE: The length of this bar can be shortened depending on the distance between implants.

SPECIFICATIONS

The measurement of the maximum overhang permitted with these parts depends on the measurements of the horizontal arm of the cylinder.



The maximum distance permitted between implants, to be able to work with this system of bars, shall be limited to the maximum length of the horizontal bar.



CYLINDERS AND INTERFACES FOR STRAIGHT AND ANGLED Multi-Im®

INTERNA



GOLD CYLINDERS

They are used with the Multi-Im® transepithelial for the preparation of the final prosthesis. Their bevelled design enables a better union between the porcelain and the gold cylinder. We recommend using an alloy with a high gold content for cast-on (CET 25-500ºC:11.9x10-6 K-1; 25-600ºC: 12.2x10-6 K-1).

They incorporate a casting chimney, to facilitate the wax-up work in the laboratory. The parts are non engaging. If needed, the casting sleeve can be separated from the gold body by traction.
Material: Gold alloy (1400ºC).

CASTING CYLINDERS

Used for the manufacture of the final restoration on Multi-Im® transepithelials, making a direct wax-up of onto the casting cylinder.
Material: casting plastic.

STRAIGHT AND EXPANDED AESTHETIC INTERFACES

Solutions for final prosthetic restorations on Multi - Im transepitelials. Surface with Ti golden treatment.

They can be used with or without a casting sleeve, for the manufacture of conventional prostheses and CAD/CAM systems.

If CAD CAM is chosen, the straight interface allow angulation correction up to 15º; the expanded Universal interface allows angulation correction from 0 to 30º.

These interfaces are screwed into the transepithelial with the TTMIR or TTMI30 screw, depending on the required angulation, at **20 Ncm.**

CYLINDERS AND INTERFACES FOR STRAIGHT AND ANGLED Multi-Im®

3.0
Narrow
Universal
Universal Plus
Wide

MULTI-IM®

Straight (gold)



Ref.
COMIPEU

Straight (casting)

Ref.
CCMIPEU

Angled Aesthetic interface straight (Ti-golden)



Ref.
IESMIPUA

Aesthetic interface (Ti-golden)



Ref.
IESMIPU



Casting
CIESMIPU

Expanded Aesthetic interface



Ref.
IESMIPUEX



Casting
CIESMIPUEX

Straight (gold)



Ref.
COMIPA

Straight (casting)

Ref.
CCMIPA

Angled (casting)



Ref.
CCMIPEUA

Aesthetic interface (Ti-golden)



Ref.
IESMIPA



Casting
CIESMIPA

Expanded Aesthetic interface



Ref.
IESMIPAEX



Casting
CIESMIPAEX

Straight (titanium for zirconium)



Ref.
CZMIPA

LOCATOR ABUTMENT

INTERNA



Abutment for overdentures, in one single piece that must be screw-retained into the implant at a torque of **30 Ncm**.

We will select the abutment that is exactly at the same height as the tissue or the next size up. This size will enable the 1.5 mm of the fixing head to emerge over the level of the gum that surrounds the implant.

PROPERTIES

- **Auto-aligning**, as they provide easy positioning and correct seating of the patient's overdentures; in addition they eliminate additional wear and the loss of bonding due to incorrect seating.
- **Angle corrections of up to 40º**, in divergent implants, using the same abutment, therefore it is not necessary to place angled pillars.
- **The lowest vertical height of the market**, an advantage especially when the interocclusal space is limited. The total height of fixing is 2.5 mm for an Interna connection implant.

LOCATOR MAIN TOOL (Ref. HPL)

There are three parts with the following uses: screwdriver for the abutment, to provide the torque with a large hexagon tip, remove the processing male and insert the final retention male.



FAMILY AND COMPONENTS
Locator

Narrow
Universal
Universal Plus

INTERNA®



Ref.	Length
PLIE10	1 mm.
PLIE20	2 mm.
PLIE30	3 mm.
PLIE40	4 mm.
30 Ncm.	



Ref.	Length
PLIU10	1 mm.
PLIU20	2 mm.
PLIU30	3 mm.
PLIU40	4 mm.
30 Ncm.	

COMPONENTS

Torque tip



Ref.	Height
PTTL15	15 mm
PTTL21	21 mm

Screwdriver tip



Ref.	Height
PTL23	23 mm
PTL29	29 mm

Spacing ring



Ref.
AEL

Retention cylinder

Ref.
CRHL

Replacement males (4 Units)

	Ref.	Retention	Angle
	MLRA	extra light	0-10º
	MLRR	light	0-10º
	MLST	strong	0-10º
	MLAR	extra light	10-20º
	MLAN	light	10-20º
	MLAV	strong	10-20º
	MLAG	without retention	10-20º

Set of replacement males



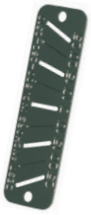
Ref.
JML2 (2 Units)
JML10 (10 Units)

Direction indicator



Ref.
IDL

Angle measurement guide



Ref.
GMAL

Female analogue (4 units)

Analog with Ø of 5.5 mm, manufactured in aluminium.



Ref.
RLL4

Impression coping (4 units)

Manufactured from aluminium.
A male in the polyethylene interior.



Ref.
CIL

DALBO® TRANSEPITHELIAL

INTERNA



Abutment with two parts, designed to stabilise and retain the partial or complete prosthesis.

Screw directly into the implant with the handle MDPT1 and the tip PTDO at a torque of **20 Ncm**. It needs a minimum intermaxillar distance (available in different heights).

The impression is made directly to the implant.

INDICATIONS

- **For partial or complete removable prostheses**, with a maximum divergence of 10.
- It enables the restoration to emerge even at only 2 mm over the implant.
- **Material:** commercially pure titanium.

** This component for the Universal and Universal Plus platforms can also be used in Wide Platform Implants (Interna®) as long as they are placed juxta- or subcrestally, to improve the biological space.*

FAMILY AND COMPONENTS
DALBO®

Narrow
Universal
Universal Plus
Wide

INTERNA®



Ref.	Length
INMTD2	2 mm
INMTD3	3 mm
INMTD4	4 mm
20 Ncm	

COMPONENTS

Dalbo® females



Ref.
HTDS (standard)



HTDP (plus

Activator and deactivator female plus



Ref.
DHTDP (plus)

Female activator standard



Ref.
AHTDS (standard)

Female deactivator standard



Ref.
DHTDS (standard)

TITANMAGNETICS ABUTMENTS

INTERNA



The Titanmagnetics abutments are retention elements for overdentures.

The system consists of two magnets:

· **The first is screw-retained into the implant** and is presented for Tiny® implants and for the Universal platform, for both Interna and Externa connections.

· **The second is incorporated onto the prosthesis**.

In addition it has a position hose, which is placed on the screw-retained magnet and this enables the second magnet to be seated perfectly upon it, accurately indicating where the prosthesis must be placed.

It also provided the torque wrench insert for carrying and applying torque to the magnet that is fixed into the implant. The maximum recommended torque is **20 Ncm**.

ADVANTAGES

· **The fixing with magnets is dynamic and simple for the patient to put in and remove**; especially for much older patients, thus facilitating hygiene.

· It is indicated for solutions for basic and economical prosthetic work.

FAMILY AND COMPONENTS
TITANMAGNETICS ABUTMENTS

- Narrow
- Universal
- Universal Plus
- Wide

INTERNA®

Ref.	ø	Length
TIXL-4835IU	4.8	3.5 mm



X-LINE COMPONENTS

Overdenture magnet

Ref.
TIXL-S265



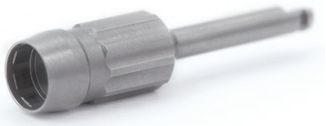
Position hose

Ref.
TIXL-MPS



Torque wrench insert

Ref.
TIXL-LLT



SCREWS

INTERNA





SCREWS

Gold screw: These are manufactured from a precious alloy coated with a layer of pure gold of 4 µm.
Titanium, Ti-black screw: These are manufactured from commercially pure titanium, with a specific surface treatment.

Used for the fixation of the provisional and definitive prostheses at 35 Ncm. The gold screws use a square screwdriver and the titanium use a hexagonal one.

SCREWS FOR ANGLES

Manufactured with Ti-black treatment, to be retained into the implants or transepithelials, they have a smaller head to facilitate entry into CAM machined structures with a angle of up to 15º.

They are tightened at 20 Ncm.

FAMILY
Direct-to-implant screws

3.0
Narrow
Universal
Universal Plus
Wide

INTERNA®

Gold (square)



Ref.
INTOOC
35 Ncm.

Ti-black (hexagonal)



Ref.
INTTUH
35 Ncm.

Ti-black
(hexagonal)

Angles from 0 to 15º



Ref.
INTTUHR
20 Ncm.

Ti-black (hexagonal)

Angles from 15 to 30º



Ref.
INTTUH30
20 Ncm.

***NOTE**: Hexagon only compatible with PTHB16-22-28-34*

For wax-up



Ref.
INTEPESPE

(for Square abutments)

For wax-up



Ref.
INTEIU16 (short)
INTEIU (long)

(for the rest of abutments)

FAMILY
Transepithelial screws and others

3.0
Narrow
Universal
Universal Plus
Wide

TRANSEPITHELIAS

MULTI-IM®
UNIT

Ti-black (hexagonal)
Angulations 0 - 15º



Ref.
TTMIR
20 Ncm.

MULTI-IM®
UNIT

Ti-black (hexagonal)
Angulations 15º - 30º



Ref.
TTMI30
20 Ncm.

***NOTE**: Hexagon only compatible with PTHB16-22-28-34*

UNIT

Ti-black
Angulations 0 - 15º



Ref.
TTMIUPA
20 Ncm.

MULTI-IM®

For wax-up



Ref.	Length
TEMIR12	12 mm.
TEMIR	15 mm.
TEMIR20 (small diameter)	20 mm.

UNIT

For wax-up



Ref.
INTEIU (long)

OTHER SCREWS

FOR LABORATORY

For laboratory (5 units)



Ref.
INTTLH (hexagonal)

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