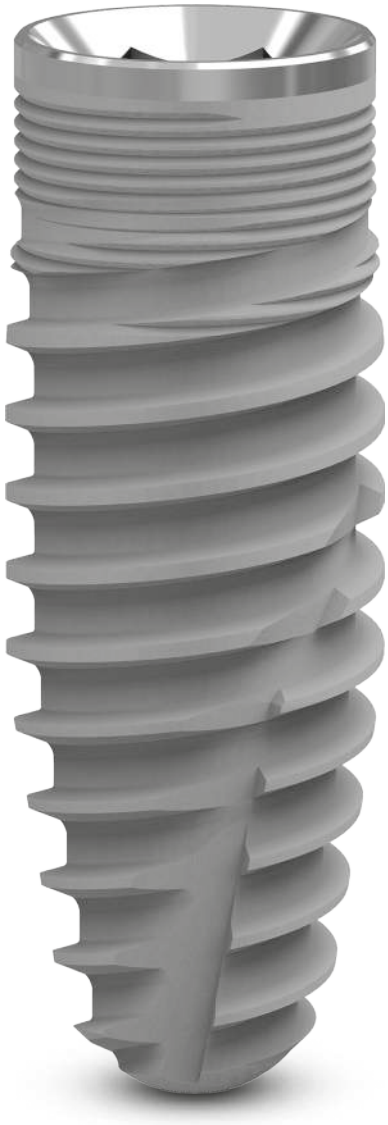
ZiNiC® MT

Conical implants with internal hex connection



Ziacom®

ZiNiC® MT

Conical implants with internal hex connection

Ziacom®

Important information

Please read carefully before using Ziacom® products

General information

This document contains basic information on the use of original Ziacom® dental implant systems, hereafter referred to as Ziacom® dental implants or simply Ziacom® products. This document has been created as quick guide for clinicians responsible for treatment, hereafter the "user", and, therefore, is neither an alternative nor a substitute for specialized training or professional clinical experience.

Ziacom® products must be used according to a suitable treatment plan and adhering strictly to the surgical and prosthetic protocols established by the manufacturer. Read the product-specific surgical and prosthetic protocols as well as the instructions for use and maintenance before using each Ziacom® product. You can find this information on our website, www.ziacom.com, or request it from your nearest authorised Ziacom® distributor.

Liability, safety and guarantee.

The instructions for the use and handling of Ziacom® products are based on internationally published literature, current clinical standards and our clinical experience, so they should be understood as general guiding information. The handling and use of Ziacom® products is the sole responsibility of the user as it is outside the control of Ziacom Medical SL. Ziacom Medical SL, their affiliates and/or their authorised distributors disclaim all responsibility, whether explicit or implicit, total or partial, for possible damage or injury caused by poor handling of the product or any other situation not considered in their protocols and manuals for the correct use of their products.

The user must ensure that the Ziacom® product is appropriate for the intended procedure and end purpose. Neither these instructions for use nor the work or handling protocols for the products release the user from this obligation. Ziacom® products must be used, handled and applied by professionals with the appropriate training and qualifications required according to current legislation in each country.

The total or partial use, handling and/or application of Ziacom® products at any stage of their implementation by personnel who are unqualified or lack the necessary training will automatically void any type of warranty and may cause severe damage to the patient's health.

Ziacom® products are part of their own system, with their own design characteristics and work protocols, including dental implants, abutments or prosthetic components and surgical or prosthetic instruments. The use of Ziacom® products in combination with elements or components from other manufacturers could result in treatment failure, damage to tissues or bone structures, inadequate aesthetic outcomes and severe damage to the patient's health. Therefore, only original Ziacom® products should be used.

The clinician in charge of the treatment is solely responsible for ensuring the use of original Ziacom® products and that they are used according to the corresponding instructions for use and handling protocols throughout the implant procedure. The use of any other non-original Ziacom® components, instruments or products, whether alone or in combination with any original Ziacom® products, will immediately void the warranty of the original Ziacom® products.

See the Ziacom Medical SL Warranty Programme (available on the website or by contacting Ziacom Medical SL, their affiliates or authorised distributors).

Warning. Not all Ziacom® products are available in all counties. Check availability in your country.

The Ziacom® brand and the names of other products and services, including their logos, that are mentioned in this document or on the website www.ziacom.com, are registered trademarks of Ziacom Medical S.L.

Together for **health**

Index

The Company

Together for **health**

Ziacom® has been working for more than 15 years to improve the **oral health** and well-being of patients around the world by **designing and manufacturing innovative,** high-quality dental implant, prosthetic component, surgical instrument and biomaterial solutions.

The company was founded in 2004 with **100% Spanish capital** and began its activity as a manufacturer of dental implants and attachments for several European companies before launching its own **brand of implant systems** in 2006.

In 2015, Ziacom® introduced its **diversification strategy** with the development of **new business lines** and new product lines and the launch of a **new portfolio**, which helped the company achieve a **15% share of the Spanish market** in 2016 with the sale of more than 230,000 implants.

In 2022, the company started up on an **ambitious growth plan** with new goals of **international expansion**, broadening and **diversification** of its portfolio **of products and services** and a Corporate Identity restyle.

Ziacom® quality

Commitment to **quality and innovation** has been part of the values and the essence of Ziacom® since the beginning.

The reason why we used state-of-the-art technology in **every stage of our products' production cycle**, from **design and manufacture** to **quality assurance, cleaning and packaging**. All of our products are also manufactured using only **high-quality raw materials** after applying **strict controls to select** our main suppliers.

Ziacom Medical SL is a **licensed manufacturer of medical devices** and an AEMPS (Spanish Agency for Medicines and Medical Devices) 6425-PS **marketing authorisation holder**. Our **quality management system is certified** in accordance with the requirements of ISO standards 9001:2015 and 13485:2018, and is also GMP 21 CFR 820 compliant.

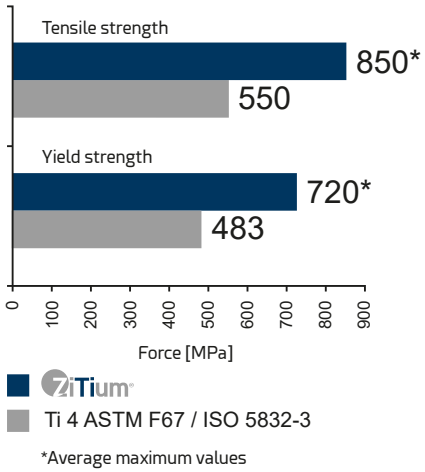
Thanks to our ceaseless endeavours to offer our clients an unsurpassable quality, all our implants have a **lifetime guarantee**.

See the General Conditions for Accessing the Guarantee for Ziacom® products.

Zitium® titanium

Ziacom® **Zinic® MT** implants are manufactured using **extra-high-strength grade 4 Zitium® titanium** which gives them **considerably improved yield strength and mechanical properties**.

Properties of Zitium® titanium



*Average maximum values

Thanks to **Zitium®** titanium, our implants meet the requirements of ASTM F67 and ISO 5832-3 and are certified in accordance with Council Directive 93/42/EEC and its amendment Directive 2007/47/EC by notified body 0051.

ISO 9001 ISO 13485 0051

FDA Approved*

*See approved models

Ziacom® implants are all sterilised using beta ray radiation at 25 kGy, apart from the DSQ orthodontic implants, which are supplied **unsterilised**.

IMPORTANT
All the products (except dental implants) listed in this Ziacom® catalogue are supplied unsterilised and must be sterilised before use.

No estéril

Investment in innovation and training

In order to always offer the very best solutions for the **well-being of every patient**, and thanks to the experience and dedication of our **highly-qualified professionals** and **innovative Technological Centre**, our R&D&I team works incessantly in the field of **research and innovation** to **improve** our products and develop **new solutions** to meet the demands and needs of both patients and dentists.

We also invest in **research** and **ongoing training** as a way of providing **scientific support to the sector** and we firmly believe in training **young professionals** to ensure the best **advances in dentistry field**.

We therefore work closely with **training centres, universities and scientific bodies** to create a practical and specialised teaching environment to promote and strengthen their knowledge, abilities and professional growth.

In order to enhance our investment in the training and **development of dental professionals**, we have **specific areas at our facilities** for **hands-on training and practicals**, **state-of-the-art** training equipment and also a **physical and virtual showroom** where professionals can see all our dental solutions first hand.

Ziacom® around the world

We are committed to making oral health available to patients all over the world and have a solid **internal growth and expansion plan** to increase the company's **international presence** in those **areas where we our products are already available** and to add **new growth areas**.

In order to achieve this, we offer our **international associates** a **trusting and collaborative** partnership by adapting to their **local needs** and providing solutions that are specific to each market.

As part of our commitment to meet the specific **quality, regulatory and legal requirements of each country**, for both the registration and distribution of our products, we have **specific certifications** from each of the countries in which we trade.

Regional headquarter

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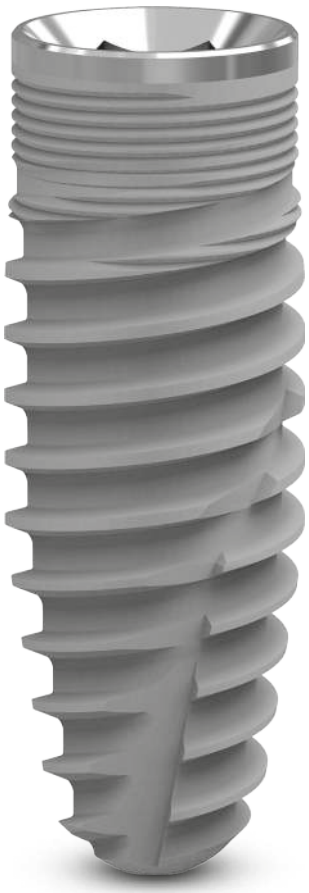
Please see the up-to-date list of Ziacom® distributors at **www.ziacom.com** or email us at **export@ziacom.com**

ZiNiC®MT

ZiNiC® MT

Conical implants with internal hex connection



Characteristics

CONNECTION

- Internal hex connection.
- 1.5 mm deep prosthesis hex: improves distribution of lengthinal forces.
- Conical bevel: reduces infiltration.
- Conical friction: reduces micromovements.
- Platform switching: soft tissue modelling and emergence profile shaping.

CORTICAL ZONE

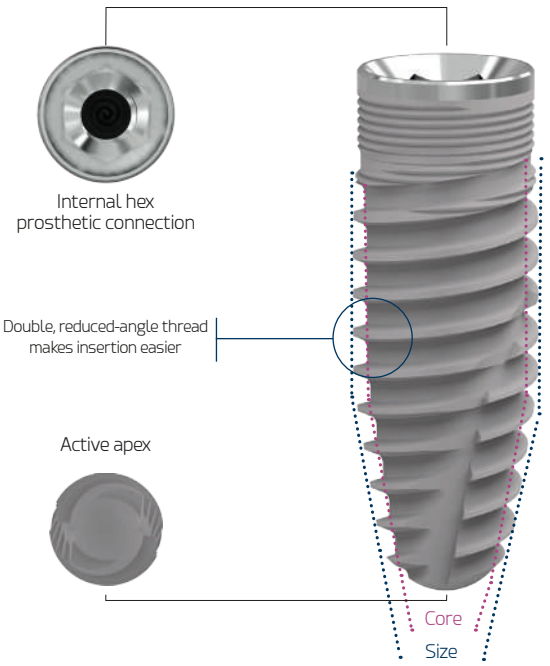
- 0.4 mm machined ring: allows the prosthetic gap to be raised with respect to the bone crest in average/thick biotypes; avoids exposing the treated surface of irregular crests.
- Microthread design: preserves marginal bone.
- Microthread extension: improves load distribution.
- Macrodesign: optimal cortical compression.

BODY

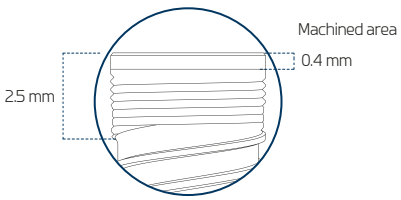
- Reduced-angle active threads: improve stability during insertion and increase BIC (bone-to-implant contact).
- Double threaded: quick insertion and shorter surgical time.
- Self-tapping active apex: facilitates insertion with undersized drilling technique.
- Transverse apical windows: collect remnants of bone during insertion.
- Optimised morphology: high primary stability.
- Atraumatic apex: no damage to anatomical structures.

CONICAL DESIGN

- Facilitates shaping in low density bone.
- Indicated for immediate loading.
- Indicated for cases of apical convergence and/or collapse.



Dimensions of the implant's neck/collar



Diameters and lengths

		LENGTH (L)						
Ø DIAMETER	Ø PLATFORM	6	7	8.5	10	11.5	13	14.5
NP 3.30	3.20			N 	N 	N 	N 	N 
RP 3.60	3.50							N 
RP 4.00		N 	N 					N 
RP 4.40		N 	N 					N 
WP 4.80	4.50	N 	N 					

Dimensions in mm.

N New product. Check availability.

Surface treatments

Titansure surface

Implants inserted following surface treatment are known to benefit from improved osseointegration by increasing the bone-to-implant contact area. This is partly due to the implant's chemical composition and topographical characteristics.

With our **Titansure** surface treatment, at Ziacom Medical we have obtained a contaminant-free surface topography and optimal average macro- and microporosity values, which are key specifications for achieving prompt and proper osseointegration and, in turn, extremely reliable and predictable implants.

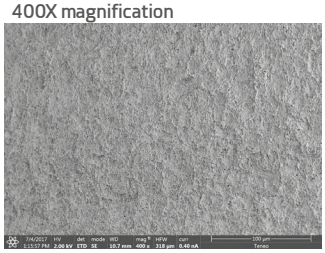
TITANSURE SURFACE ANALYSIS

Titansure is an SLA surface treatment created through a subtraction process involving sandblasting with white aluminium oxide and double acid etching with hydrofluoric acid and a sulphuric/phosphoric acid mix.

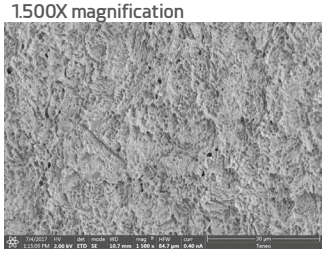
Surface morphology analysis

With the aid of a scanning electron microscope (FEI TENEO, Thermo Fisher Scientific Inc., Waltham, MA, USA), we can see the rough, porous surface creating numerous cavities with thin, sharp edges.

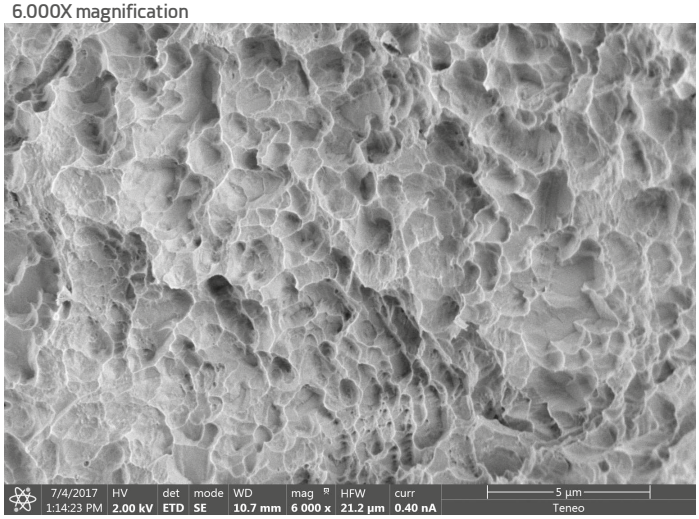
400X magnification



1.500X magnification

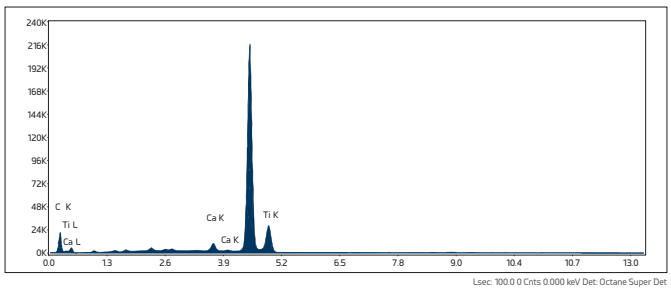


6.000X magnification



Surface elemental analysis

We used an energy-dispersive X-ray spectrometer (Octane Super, Edax-Ametek, Mahwah, NJ, USA) to analyse the chemical composition at the surface.



Compositional analysis of implant surface

ELEMENT	WEIGHT (%)
C K	9.32 (10.23)
Al K	-
Ti K	89.53 (11.77)

No aluminum was detected

Results are expressed as the mean and standard deviation of the mass percentage (WEIGHT (%)).

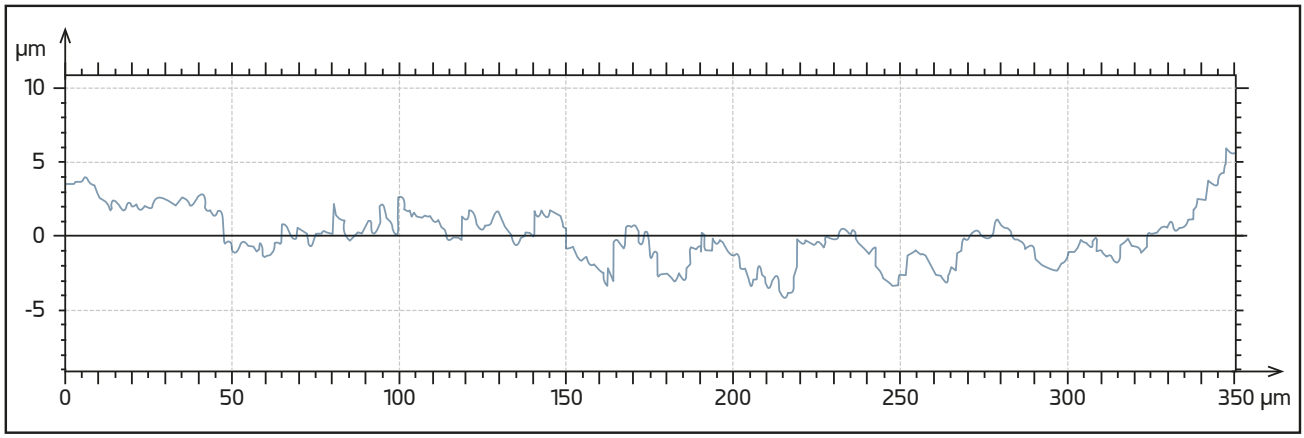
Surface roughness analysis

The roughness study was conducted with a Sensofar S NEOX interferometric-confocal microscope (Sensofar Medical, Terrasa, Spain) and SensoMAP Premium 7.4 software. The quantitative roughness profile parameters applied were: average roughness (Ra), root-mean-square roughness (Rq), maximum profile peak height roughness (Rp) and maximum profile valley depth roughness (Rv).

Ra (µm) (SD)	Rq (µm) (SD)	Rp (µm) (SD)	Rv (µm) (SD)
0.82 (0.10)	0.97 (0.08)	1.84 (0.04)	2.21 (0.01)

The 3D surface roughness (Sa), 3D root mean square height (Sq), maximum 3D peak height (Sp) and maximum 3D pit depth of the selected area (Sv) were also recorded.

Sa (µm) (SD)	Sq (µm) (SD)	Sp (µm) (SD)	Sv (µm) (SD)
0.76 (0.01)	0.97 (0.01)	4.20 (0.12)	4.62 (0.20)



The data were extracted from:

Rizo-Gorrita, M.; Fernandez-Asian, I.; Garcia-de-Frenza, A.; Vazquez-Pachon, C.; Serrera-Figallo, M.; Torres-Lagares, D.; Gutierrez-Perez, J. Influence of Three Dental Implant Surfaces on Cell Viability and Bone Behavior. An In Vitro and a Histometric Study in a Rabbit Model. Appl. Sci. 2020. 10(14), 4790

■ OPTIMAL OSSEOINTEGRATION

The **Titansure** surface has a three-dimensional surface structure with high peaks and broad troughs, which is known to be highly effective at promoting the coagulation cascade and the release of growth factors through platelet activation [Kim, H.; Choi, S.H.; Ryu, J.J.; Koh, S.Y.; Park, J.H.; Lee, I.S. The biocompatibility of SLA-treated titanium implants. Biomed. Mater. 2008. 3. 025011.].

This type of surface may have an osteogenic effect thanks to its different topographical features at a micrometer and nanometer level, which has a very similar morphology to the osteoclastic bone resorption cavities [Le Guehennec, L.; Goyenvalle, E.; Lopez-Heredia, M.A.; Weiss, P.; Amouriq, Y.; Layrolle, P. Histomorphometric analysis of the osseointegration of four different implant surfaces in the femoral epiphyses of rabbits. Clin. Oral Implants Res. 2008. 19. 1103–1110].

For more information on the surface treatment see the literature available at **www.ziacom.com/biblioteca**

Surface treatments

Titansure Active surface treatment

Ziacom® presents the **Titansure Active** surface treatment with bone bioactive liquid (BBL) as the latest innovation for the presentation of our dental implants. The **Titansure Active** surface treatment is a combination of **Titansure** with BBL technology (Bone Bioactive Liquid), a patent acquired by Ziacom® and developed by the Biointelligence Systems research group led by Professor Maher Al-Atari Abou-Asi.

"BBL technology consists of a saline solution containing calcium chloride (CaCl2) and magnesium chloride (MgCl2.6H2O) with a net negative charge and creates the ideal conditions for post-implant cell adhesion in the region with bone damage. What is more, surface treatment with BBL provides a significant increase in the density of hydroxyl groups on the surface of implants, thus improving their hydration considerably compared with other surfaces. This hydrophilic implant surface is precisely what enables active ion interaction with blood plasma and bone-forming cells long before the first steam cells can attach to the surface. Finally, this yields improved intercellular communication and a greater final bone-to-implant contact area in a significantly shorter time, thereby markedly reducing the postoperative inflammatory process."

Dr. Prof. Maher Al Atari

SURFACE STUDIES OF BBL-TREATED IMPLANTS

In vitro research

Dental pulp pluripotent-like stem cell (DPPSC) and dental pulp mesenchymal stem cell (DPMSC) cultures were prepared on titanium discs sandblasted with aluminium oxide and acid etched in an osteoblast differentiation medium.

The samples were divided into two treatment groups:

- Group A. Titanium discs - Traditional, untreated surface.
- Group B. Titanium discs - BBL-treated surface.

The surfaces were examined using energy-dispersive X-ray microanalysis (EDXMA) to determine the composition of surface elements.

Comparison of different elements in the two groups		
	Untreated surface	Treated surface **Titansure Active**
Carbon	32.22 ± 5.89	32.89 ± 1.76
Oxygen	14.34 ± 1.23	13.97 ± 1.45
Phosphorus	3.96 ± 2.8	3.89 ± 1.87
Calcium	5.86 ± 3.8	9.53 ± 4.04
Titanium	39.76 ± 1.65	41.34 ± 1.89
Ca/P	1.678	2.347

In vivo research

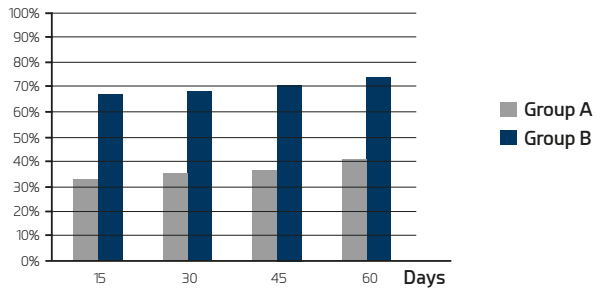
A study was conducted in the tibiae of 10 adult New Zealand rabbits after inserting four implants per rabbit (two in each tibia).

The subjects were assigned to two treatment groups with implants:

- Group A. Implants with a traditional, untreated surface.
- Group B. Implants with a traditional, BBL-treated surface.

In general, group B had higher BIC (bone-to-implant contact) values than group A.

Histomorphometric analysis - Bone-to-implant contact (BIC)		
Time of measurement	Group A Untreated surface (Control) mean + SD	Group B Treated surface **Titansure Active** mean + SD
15 days	33.7 ± 2.3%	68.92 ± 0.3%
30 days	35.8 ± 1.8%	69.35 ± 2.2%
45 days	37.9 ± 1.2%	70.34 ± 1.1%
60 days	41.2 ± 0.8%	73.89 ± 1.9%



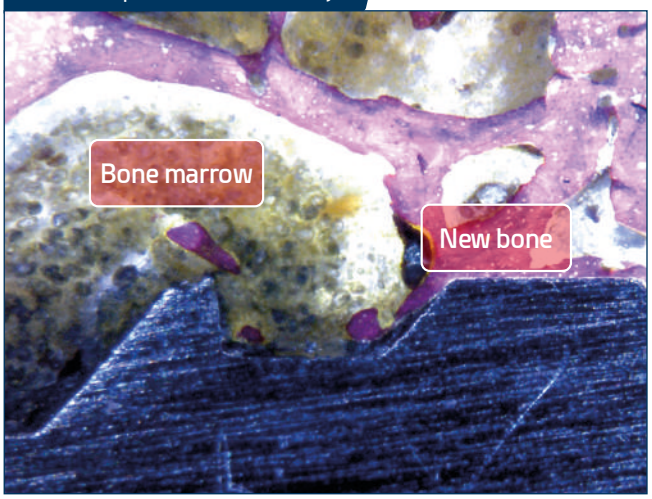
Conclusions

Within the scope of this study, the histomorphometric analysis demonstrated that the group B implants achieved quicker and more effective osseointegration than control group A. Nevertheless, an assessment of bone growth in the medullary portion of the subjects' tibiae revealed the new surface's potential for osteoinduction.

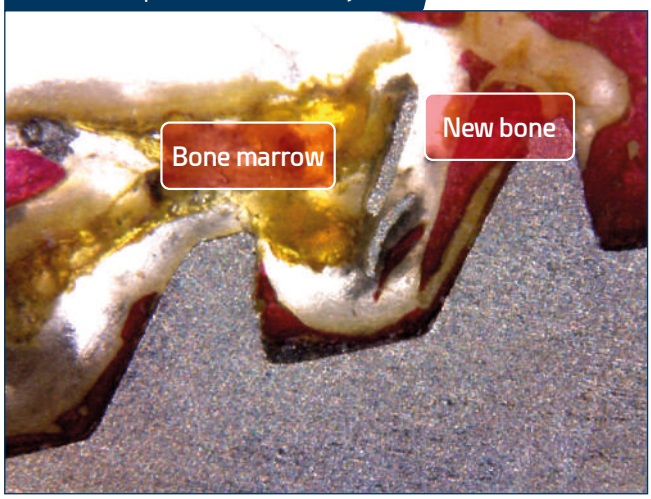
As explained by Dr. Sérgio Alexandre Gehrke, the histologist in charge of the study: "Within the study's limits, data from the histomorphometric analysis of the implants with a BBL-treated surface (78.92 + 0.3%) highlighted a much quicker and more effective osseointegration compared to the control group (53.8 + 2.3% of BIC). Assessment of bone growth in the medullary portion of the rabbits' tibiae showed the new test surface's potential for osteoinduction."

EVOLUTION OF OSSEOINTEGRATION

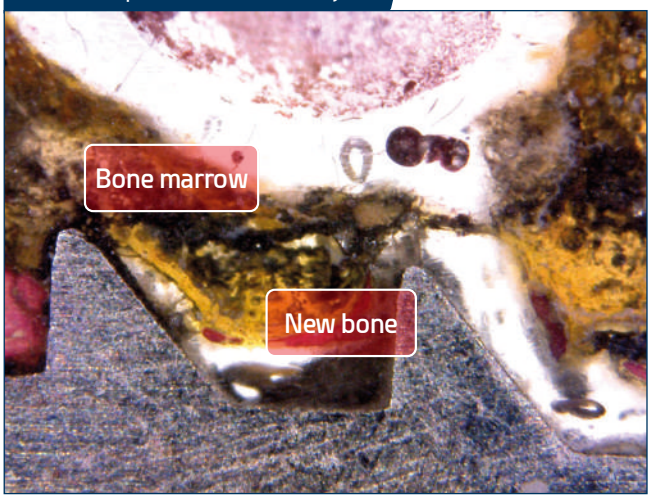
Untreated implant - Evolution at 15 days



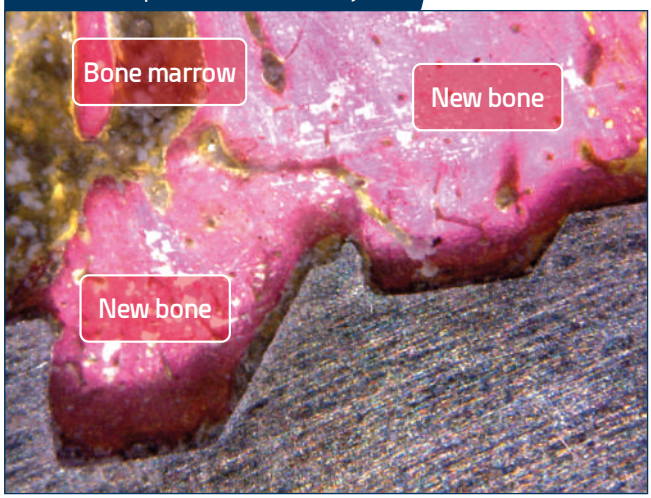
BBL-treated implant - Evolution at 15 days



Untreated implant - Evolution at 60 days



BBL-treated implant - Evolution at 60 days



NOTE
The images are of Ziacom® implants manufactured specifically for use in the study of BBL-treated implants.

Product presentation

Packaging tailored to the type of surface

Ziacom® offers two different types of product packaging depending on the type of implant surface:

Blister packaging
Available for implants with **Titansure** surface treatment. The blisters are heat-sealed and include identification labels for product traceability and a flap for easy opening in the clinic but while preventing accidental opening.

Bottle packaging
Available for implants with **Titansure Active** surface treatment. The sealed bottle contains bone bioactive liquid (BBL) to ensure the perfect preservation of the implant's properties. The bottles include identification labels for product traceability.

Titansure

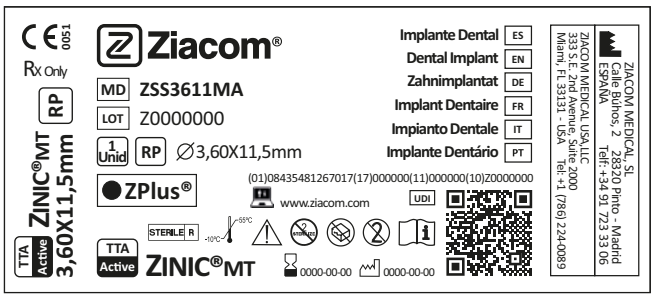
Titansure N Active

IMPORTANT
Do not open the sterile container until just before inserting the implant.

N New product. Check availability.

Outer identification label

Ziacom® implants are supplied in a sealed cardboard box that includes a product identification label with a description of their main characteristics.



Description of the symbology used

CE XXXX	MDD CE certification and notified body
MD	Name of the medical device
LOT	Number of product batch
	Patient information website
UDI	Unique device identification
STERILE R	Sterilised using radiation
	Temperature restriction
	Caution, consult accompanying documents
	Do not resterilise
	Do not use if the packaging is damaged
	Non-reusable product
	Consult the instructions for use
	Expiry date of the product
	Date of manufacture
	Product manufacturer
TT	Titansure surface treatment
TTA Active	Titansure Active surface treatment
Rx Only	Caution: federal law prohibits dispensing without prescription

For full details on the product presentation and instructions for use (IFU) see **www.ziacom.com/ifus** or scan the QR code on the box.

ZPlus Mount option

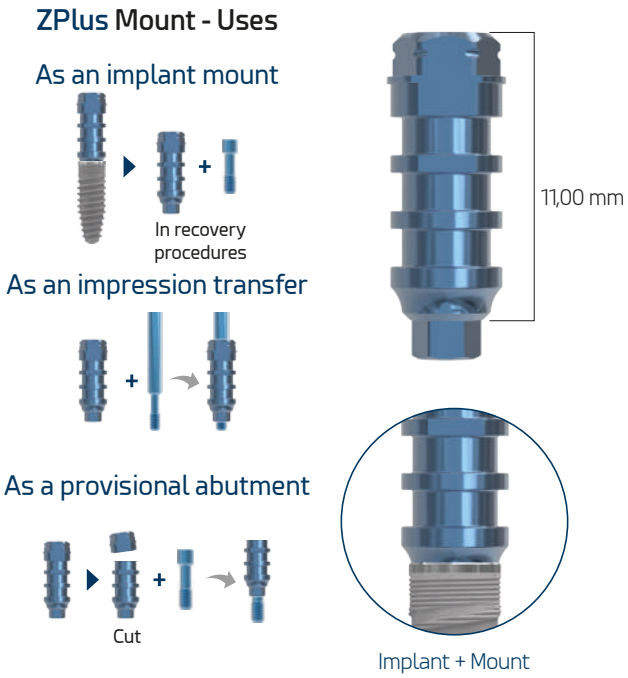
Options for the Zinic® MT include the ZPlus mount, a multi-functional abutment made in grade 5 ELI titanium (sanitary grade), which allows easy handling of the implant during the procedure. Additionally, the ZPlus mount concept is based on reducing treatment costs, as it works equally well as an implant mount, impression abutment, or provisional abutment for cement-screwed.

The ZPlus mount is available for the following implant ranges Zinic®, Zinic® MT, ZM4. ZM4 MT and ZM1.

As we said, the ZPlus mount may be used as a provisional abutment, in which case it should be sculpted extra-orally and adjusted on an analogue, preferably a lab model or clamp. Check also the structural integrity of the mount and screw, to ensure that they have not suffered any deformation or damage due to excessive insertion torque or forced removal manoeuvre. Additionally, verify on an analogue that the ZPlus fixing screw is well fitted and that the connection is secure.

IMPORTANT

Always follow the surgical protocol when inserting the implant. This will protect the mount and screw from possible damage which could prevent it being used later as an impression abutment and/or provisional abutment. Use each ZPlus only with the implant to which it belongs. To avoid mix-ups, keep the ZPlus and screw with the patient's ID, detailing the corresponding reference and batch number. The ZPlus has 3 flat sides. After finishing the implant procedure, ensure that one of the flat sides faces into the vestibular cavity.

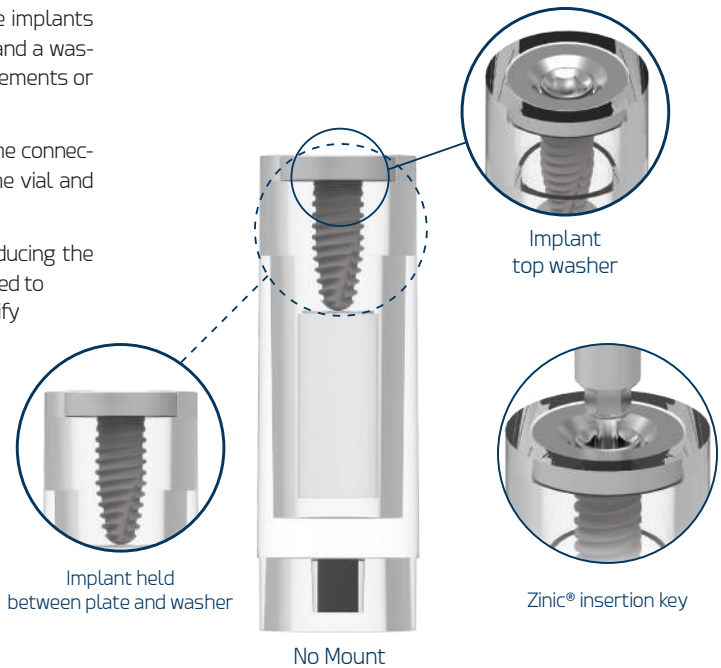


Ziacom® No Mount option

Zinic® MT implants are supplied in Ziacom® No Mount vials; the implants are held vertically inside a plastic vial between a plate below and a washer above (both made from titanium), thus preventing any movements or unwanted contacts.

This packaging means that the pressure is applied directly to the connection so the implant can be safely and easily withdrawn from the vial and transferred to the surgical site.

Therefore, Ziacom® No Mount implants eliminate the risk of reducing the primary stability caused by over instrumentation, squash the need to handle the implant when removing it from the mount, and simplify implant insertion in posterior areas with limited access.



Zinic® MT references

Zinic® MT with ZPlus - Titansure / Titansure Active references

IMPLANT

Ø (mm)	Ø Core (mm)	Length (mm)	Ref. Titansure	Ref. Titansure Active
3.30	2.80/1.70	8.5	ZSS3385M	ZSS3385MA
		10.0	ZSS3310M	ZSS3310MA
		11.5	ZSS3311M	ZSS3311MA
		13.0	ZSS3313M	ZSS3313MA
		14.5	ZSS3314M	ZSS3314MA
3.60	3.10/1.80	8.5	ZSS3685M	ZSS3685MA
		10.0	ZSS3610M	ZSS3610MA
		11.5	ZSS3611M	ZSS3611MA
		13.0	ZSS3613M	ZSS3613MA
		14.5	ZSS3614M	ZSS3614MA
4.00	3.40/2.10	6.0	ZSS4006M	ZSS4006MA
		7.0	ZSS4007M	ZSS4007MA
		8.5	ZSS4085M	ZSS4085MA
		10.0	ZSS4010M	ZSS4010MA
		11.5	ZSS4011M	ZSS4011MA
		13.0	ZSS4013M	ZSS4013MA
		14.5	ZSS4014M	ZSS4014MA
4.40	3.80/2.30	6.0	ZSS4406M	ZSS4406MA
		7.0	ZSS4407M	ZSS4407MA
		8.5	ZSS4485M	ZSS4485MA
		10.0	ZSS4410M	ZSS4410MA
		11.5	ZSS4411M	ZSS4411MA
		13.0	ZSS4413M	ZSS4413MA
		14.5	ZSS4414M	ZSS4414MA
4.80	4.10/2.40	6.0	ZSS4806M	ZSS4806MA
		7.0	ZSS4807M	ZSS4807MA
		8.5	ZSS4885M	ZSS4885MA
		10.0	ZSS4810M	ZSS4810MA
		11.5	ZSS4811M	ZSS4811MA
		13.0	ZSS4813M	ZSS4813MA

Metric

M1,60 M1,80

Metrics 1.60 (NP) and 1.80 (RP/WP).

Cover screw*

L

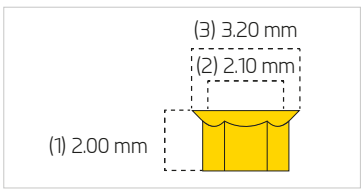
Platf.	Length (L)	Reference
●	4.20	ZNPT
●	4.20	ZRPT
●	4.20	ZWPT

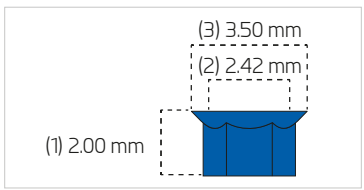
Anodised NP RP WP

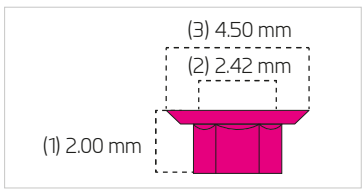
ROT 1,25mm M1,60 M1,80 Grade 5 ELI Titanium

* Screw included with each implant.

Platform







(1) Internal hex depth. (2) Distance between faces of the internal hex. (3) Diameter of working platform.

Zinic® MT with Ziacom® No Mount - Titansure / Titansure Active references

IMPLANT

Ø (mm)	Ø Core (mm)	Length (mm)	Ref. Titansure	Ref. Titansure Active	
3.30	2.80/1.70	8.5	ZSS3385MF	ZSS3385MFA	
		10.0	ZSS3310MF	ZSS3310MFA	
		11.5	ZSS3311MF	ZSS3311MFA	
		13.0	ZSS3313MF	ZSS3313MFA	
		14.5	ZSS3314MF	ZSS3314MFA	
3.60	3.10/1.80	8.5	ZSS3685MF	ZSS3685MFA	
		10.0	ZSS3610MF	ZSS3610MFA	
		11.5	ZSS3611MF	ZSS3611MFA	
		13.0	ZSS3613MF	ZSS3613MFA	
		14.5	ZSS3614MF	ZSS3614MFA	
4.00	3.40/2.10	6.0	ZSS4006MF	ZSS4006MFA	
		7.0	ZSS4007MF	ZSS4007MFA	
		8.5	ZSS4085MF	ZSS4085MFA	
		10.0	ZSS4010MF	ZSS4010MFA	
		11.5	ZSS4011MF	ZSS4011MFA	
		13.0	ZSS4013MF	ZSS4013MFA	
		14.5	ZSS4014MF	ZSS4014MFA	
4.40	3.80/2.30	6.0	ZSS4406MF	ZSS4406MFA	
		7.0	ZSS4407MF	ZSS4407MFA	
		8.5	ZSS4485MF	ZSS4485MFA	
		10.0	ZSS4410MF	ZSS4410MFA	
		11.5	ZSS4411MF	ZSS4411MFA	
		13.0	ZSS4413MF	ZSS4413MFA	
		14.5	ZSS4414MF	ZSS4414MFA	
4.80	4.10/2.40	6.0	ZSS4806MF	ZSS4806MFA	
		7.0	ZSS4807MF	ZSS4807MFA	
		8.5	ZSS4885MF	ZSS4885MFA	
		10.0	ZSS4810MF	ZSS4810MFA	
		11.5	ZSS4811MF	ZSS4811MFA	
		13.0	ZSS4813MF	ZSS4813MFA	

Metric

M1,60 M1,80

Metrics 1.60 (NP) and 1.80 (RP/WP).

Cover screw*

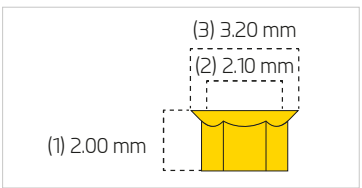
Platf.	Length (L)	Reference
●	4.20	ZNPT
●	4.20	ZRPT
●	4.20	ZWPT

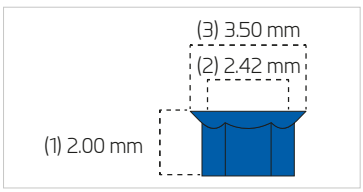
Anodised ■ NP ■ RP ■ WP

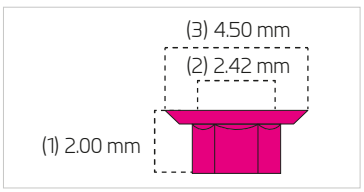
ROT 1,25mm M1,60 M1,80 Grade 5 ELI Titanium

* Screw included with each implant.

Platform







(1) Internal hex depth. (2) Distance between faces of the internal hex. (3) Diameter of working platform.

Recommendations for use

All implant treatments must respect the natural biomechanical stability of the oral cavity and allow the natural emergence of the dental crown through the soft tissue. The implantologist must assess the quantity and quality of bone currently in the implant area and consider the need for prior or simultaneous bone regeneration, as appropriate.

Ziacom® has a wide range of implants available to cover every reconstruction possibility. The circles on the periodontal chart represent the implant diameters and platforms recommended for each tooth position.

These recommendations are valid for the replacement of teeth with single restorations, bridges, hybrid work or overdentures.

Remember to maintain minimum distances between adjacent implants and between implants and teeth in order to preserve interdental papilla, bone vascularisation and natural emergence profiles.

Selection of the appropriate implant for each case is the sole responsibility of the implantologist. Ziacom® advises all clinicians to take into account the warnings based on scientific evidence which can be found in the product catalogues and our website.

CLARIFICATIONS ON DRILLING MEASUREMENTS AND TECHNIQUES

- **IMPLANT SIZE:** identifies the diameter and length of the implant.
- **IMPLANT BODY:** diameter of the implant core.
- **DRILL SIZE:** diameter and length of the drill bit.
- **DRILLING TECHNIQUE:** we have developed various drilling protocols to enable you to deal with different situations that arise in a schematic way when performing implant surgery.

Periodontal chart

ZiNiC®MT

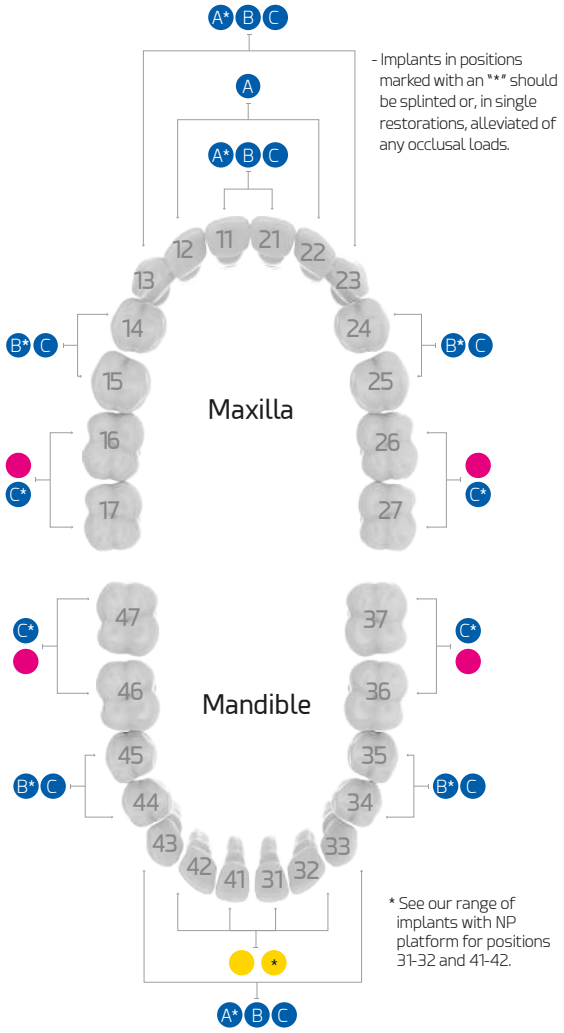
Implant diameter (1)

NP	A RP	B RP	C RP	WP
Ø3.30 mm	Ø3.60 mm	Ø4.00 mm	Ø4.40 mm	Ø4.80 mm

(1) Diameters available for analogue platforms.

Implant crown diameter

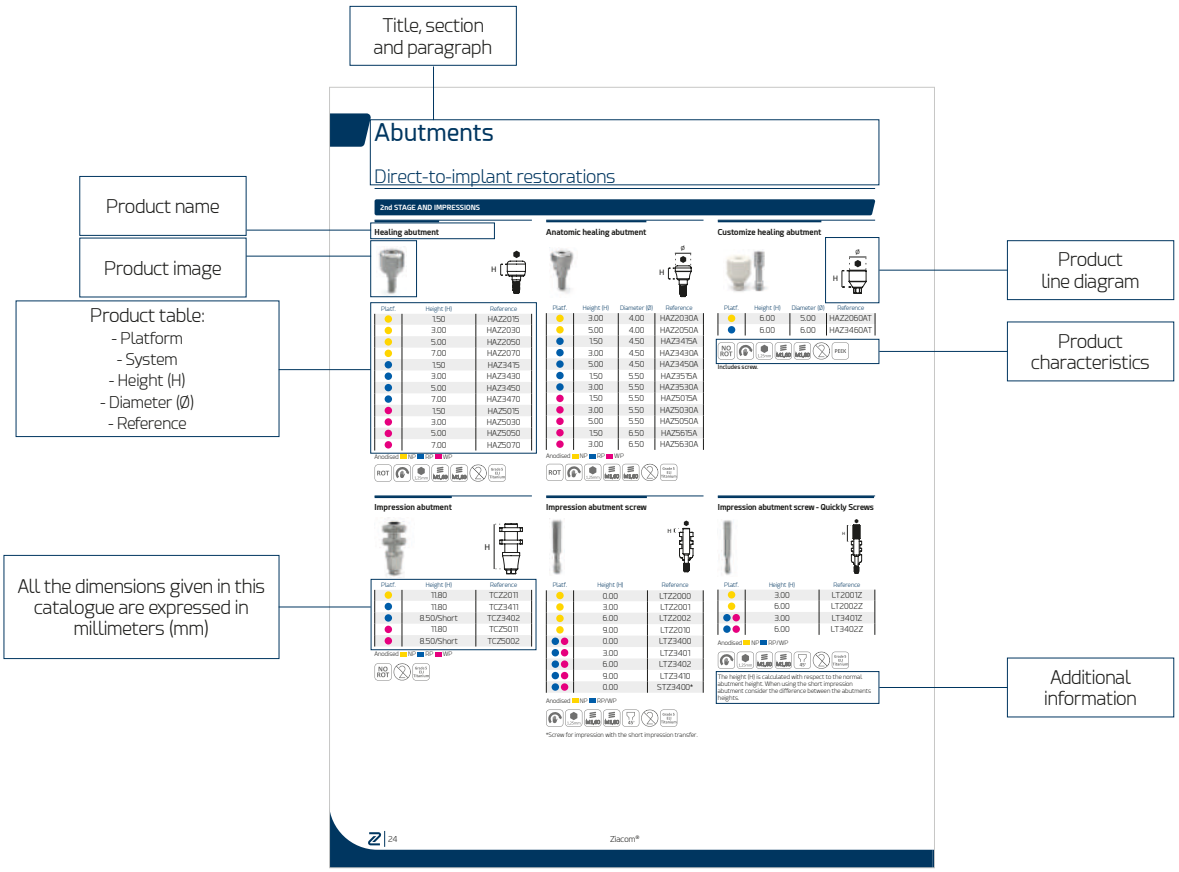
NP	RP	WP
Ø3.20 mm	Ø3.50 mm	Ø4.50 mm



IMPORTANT
Short, 6.00 and 7.00 mm implants are ONLY recommended for splinted use in combination with normal length implants (≥ 10.00 mm).

For more information on implant size selection see the literature available at **www.ziacom.com/biblioteca**

Product sheet



Symbology

Symbol	Meaning
ROT	Rotatory element
NO ROT	Non-rotatory element
	Use with manual torque (see table on page 41)
XX Ncm	Maximum operating torque
Ncm 10 20 30 40 50 60 70	Ratchet torque range
Galaxy	Galaxy connection
1,25mm	Screw connection
Kirator	Kirator connection
Basic	Basic connection
XDrive	XDrive connection

Symbol	Meaning
	Tx30 connection
MX,XX	Size in millimeters
45°	45° screw support
90°	90° screw support
	Use in rotation with a CA
XX Rpm	Maximum rotation speed
XX USES	Maximum number of uses
	Single-use product
Grade 5 ELI Titanium	Made from grade 5 ELI (extra-low interstitial) titanium
Stainless Steel	Made from stainless steel

Symbol	Meaning
Co-Cr +castable	Made from cobalt chromium + castable plastic
Cobalt Chromium	Made from cobalt chromium
PEEK	Made from PEEK
Full castable	Made from castable plastic
Plastic	Made from plastic
XX°	Recommended sterilisation temperature
Non sterile	Unsterilised product
	Use with abundant irrigation
XX°	Maximum angle

ZiNiC®MT

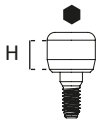
Abutments
Direct-to-implant restorations

Abutments

Direct-to-implant restorations

2nd STAGE AND IMPRESSIONS

Healing abutment

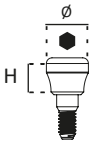


Platf.	Height (H)	Reference
●	1.50	HAZ2015
●	3.00	HAZ2030
●	5.00	HAZ2050
●	7.00	HAZ2070
●	1.50	HAZ3415
●	3.00	HAZ3430
●	5.00	HAZ3450
●	7.00	HAZ3470
●	1.50	HAZ5015
●	3.00	HAZ5030
●	5.00	HAZ5050
●	7.00	HAZ5070

Anodised ■ NP ■ RP ■ WP

ROT · 1,25mm · M1,60 · M1,80 · Grade 5 ELI Titanium

Anatomic healing abutment

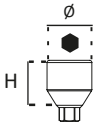


Platf.	Height (H)	Diameter (Ø)	Reference
●	3.00	4.00	HAZ2030A
●	5.00	4.00	HAZ2050A
●	1.50	4.50	HAZ3415A
●	3.00	4.50	HAZ3430A
●	5.00	4.50	HAZ3450A
●	1.50	5.50	HAZ3515A
●	3.00	5.50	HAZ3530A
●	1.50	5.50	HAZ5015A
●	3.00	5.50	HAZ5030A
●	5.00	5.50	HAZ5050A
●	1.50	6.50	HAZ5615A
●	3.00	6.50	HAZ5630A

Anodised ■ NP ■ RP ■ WP

ROT · 1,25mm · M1,60 · M1,80 · Grade 5 ELI Titanium

Customize healing abutment

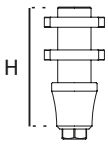


Platf.	Height (H)	Diameter (Ø)	Reference
●	6.00	5.00	HAZ2060AT
●	6.00	6.00	HAZ3460AT

NO ROT · 1,25mm · M1,60 · M1,80 · PEEK

Includes screw.

Impression abutment

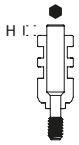


Platf.	Height (H)	Reference
●	11.80	TCZ2011
●	11.80	TCZ3411
●	8.50/Short	TCZ3402
●	11.80	TCZ5011
●	8.50/Short	TCZ5002

Anodised ■ NP ■ RP ■ WP

NO ROT · Grade 5 ELI Titanium

Impression abutment screw



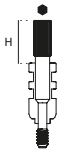
Platf.	Height (H)	Reference
●	0.00	LTZ2000
●	3.00	LTZ2001
●	6.00	LTZ2002
●	9.00	LTZ2010
● ●	0.00	LTZ3400
● ●	3.00	LTZ3401
● ●	6.00	LTZ3402
● ●	9.00	LTZ3410
● ●	0.00	STZ3400*

Anodised ■ NP ■ RP/WP

1,25mm · M1,60 · M1,80 · 45° · Grade 5 ELI Titanium

*Screw for impression with the short impression transfer.

Impression abutment screw - Quickly Screws



Platf.	Height (H)	Reference
●	3.00	LT2001Z
●	6.00	LT2002Z
● ●	3.00	LT3401Z
● ●	6.00	LT3402Z

Anodised ■ NP ■ RP/WP

1,25mm · M1,60 · M1,80 · 45° · Grade 5 ELI Titanium

The height (H) is calculated with respect to the normal abutment height. When using the short impression abutment consider the difference between the abutments heights.

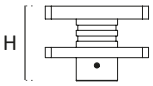
Pick-Up impression abutment

Platf.	Height (H)	Reference
●	1.60	PUZ2000
●	3.00	PUZ2001
●	1.60	PUZ3400
●	3.00	PUZ3401
●	1.60	PUZ5000
●	3.00	PUZ5001

Anodised ● NP ● RP ● WP

ROT | 1,25mm | M1,60 | M1,80 | Grade 5 ELI Titanium

Pick-Up impression transfer

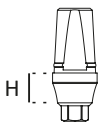


Platf.	Height (H)	Reference
● ● ●	7.25	CPU3410

ROT | Plastic

Pack of 4 units. DO NOT sterilise in an autoclave. Sculptable.

Z2Plus Snap-On impression abutment



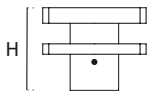
Platf.	Height (H)	Reference
●	3.00	Z2NPZC10
●	1.50	Z2RPZC10
●	1.50	Z2WPZC10

Anodised ● NP ● RP ● WP

NO ROT | Grade 5 ELI Titanium

IMPORTANT
Use the laboratory screw to tighten this impression abutment.

Z2Plus Snap-On impression transfer

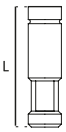


Platf.	Height (H)	Reference
● ●	8.00	ZPU3400
●	8.00	ZPU5000

NO ROT | Plastic

Pack of 4 units. DO NOT sterilise in an autoclave. Sculptable.

Implant analogue



Platf.	Length (L)	Reference
●	12.00	IAZ2000
●	12.00	IAZ3400
●	12.00	IAZ5000

NO ROT | Stainless Steel

3D implant analogue

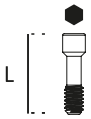
Platf.	Length (L)	Reference
●	12.00	IAZ2000D
●	12.00	IAZ3400D
●	12.00	IAZ5000D

NO ROT | Stainless Steel

Abutments

FIXING ELEMENTS

Clinical screw

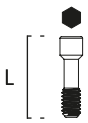


Platf.	Length (L)	Reference
●	8.00	DSZ2000
● ●	7.85	DSZ3400

Anodised ■ NP ■ RP/WP

30 Ncm | 1,25mm | M1,60 | M1,80 | 45° | Grade 5 ELI Titanium

Kiran clinical screw



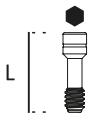
For abutments and Ti-Base ZiaCam Tx30

Platf.	Length (L)	Reference
●	8.00	DSZ2010
● ●	7.85	DSZ3410

30 Ncm | 1,25mm | M1,60 | M1,80 | 45° | Grade 5 ELI Titanium

Special Kiran screw with surface treatment.

Laboratory screw

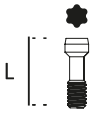


Platf.	Length (L)	Reference
●	7.35	LBZ2000
● ●	7.40	LBZ3400

10 Ncm | 1,25mm | M1,60 | M1,80 | 45° | Grade 5 ELI Titanium

NOT apt for use as the final clinical screw.

Kiran Tx30 clinical screw



For abutments and Ti-Base ZiaCam Tx30

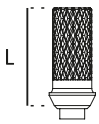
Platf.	Length (L)	Reference
●	7.10	DSZ2010TX
● ●	6.80	DSZ3410TX

30 Ncm | M1,60 | M1,80 | 45° | Grade 5 ELI Titanium

Special Kiran Tx30 screw with surface treatment.
Use only with Tx30 screwdrivers.

PROVISIONAL

Provisional abutment



Rotatory

Platf.	Length (L)	Reference
●	9.50	RUZT2010
●	9.50	RUZT3410
●	9.50	RUZT5010

Anodised ■ NP ■ RP ■ WP

ROT | Grade 5 ELI Titanium

Non-rotatory

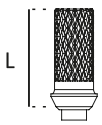
Platf.	Length (L)	Reference
●	9.50	NUZT2010
●	9.50	NUZT3410
●	9.50	NUZT5010

Anodised ■ NP ■ RP ■ WP

NO ROT | Grade 5 ELI Titanium

Provisional abutment

Abutments for aesthetic and immediate loading



Rotatory

Platf.	Length (L)	Reference
●	9.50	RUZP2010
●	9.50	RUZP3410
●	9.50	RUZP5010

ROT | PEEK

Non-rotatory

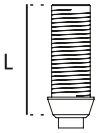
Platf.	Length (L)	Reference
●	9.50	NUZP2010
●	9.50	NUZP3410
●	9.50	NUZP5010

NO ROT | PEEK

SCREWED

UCLA

UCLA



Rotatory

Platf.	Length (L)	Reference
●	10.70	RUZ2000
●	10.70	RUZ3400
●	10.70	RUZ5000

ROT | Full castable

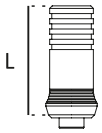
Non-rotatory

Platf.	Length (L)	Reference
●	10.70	NUZ2000
●	10.70	NUZ3400
●	10.70	NUZ5000

NO ROT | Full castable

MECHANISED BASE UCLA

Mechanised base abutment + Castable abutment



Rotatory

Platf.	Length (L)	Reference
●	10.60	BRUZ20
●	10.60	BRUZ34
●	10.60	BRUZ50

ROT | Co-Cr +castable

Non-rotatory

Platf.	Length (L)	Reference
●	10.60	BNUZ20
●	10.60	BNUZ34
●	10.60	BNUZ50

NO ROT | Co-Cr +castable

Abutments

SCREWED

Tx30 VARIABLE ROTATION ABUTMENT

Tx30 mechanised base abutment
+ 2 castable abutments (15° and 20°)

Rotatory

Platf.	15° Length (L)	20° Length (L)	Reference
●	11.40	11.20	BRUZ20TX
●	11.40	11.20	BRUZ34TX
●	11.40	11.20	BRUZ50TX

ROT · 30 Ncm · M1,60 · M1,80 · 45° · Co-Cr +castable · 15° · 20°

Non-rotatory

Platf.	15° Length (L)	20° Length (L)	Reference
●	11.40	11.20	BNUZ20TX
●	11.40	11.20	BNUZ34TX
●	11.40	11.20	BNUZ50TX

NO ROT · 30 Ncm · M1,60 · M1,80 · 45° · Co-Cr +castable · 15° · 20°

Tx30 mechanised base abutment
+ 2 castable abutments (15° and 20°)

Rotatory

Platf.	20° Length (L)	25° Length (L)	Reference
●	11.20	11.00	BRUZ20TX1
●	11.20	11.00	BRUZ34TX1
●	11.20	11.00	BRUZ50TX1

ROT · 30 Ncm · M1,60 · M1,80 · 45° · Co-Cr +castable · 20° · 25°

Non-rotatory

Platf.	20° Length (L)	25° Length (L)	Reference
●	11.20	11.00	BNUZ20TX1
●	11.20	11.00	BNUZ34TX1
●	11.20	11.00	BNUZ50TX1

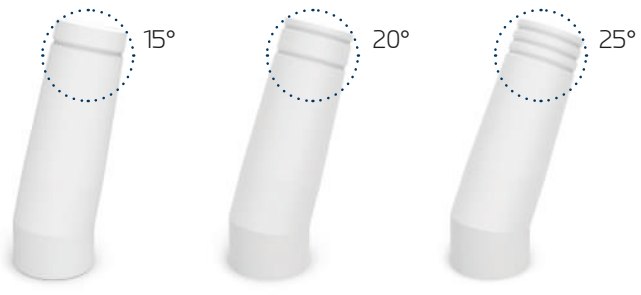
NO ROT · 30 Ncm · M1,60 · M1,80 · 45° · Co-Cr +castable · 20° · 25°

All Tx30 variable rotation abutments come with a special Kiran Tx30 screw with surface treatment Ref. DSZ2010TX (NP)/DSZ3410TX (RP/WP).

TX30 VARIABLE ROTATION ABUTMENT

The Tx30 variable rotation abutment comprises a Cr-Co mechanised base that accepts 15°, 20° or 25° angled castable abutments and a Kiran clinical screw with a special Tx30 connection.

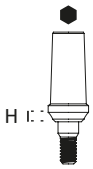
The Cr-Co base ensures a perfect fit and seal with the implant connection and the different angles of the castable abutments can be used to choose the best position for the correct emergence of the restoration screw access channel.



Identifying grooves for the castable angles

CEMENTED

Straight abutment

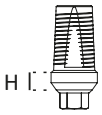


Platf.	Height (H)	Reference
●	1.50	STAZ2015
●	2.50	STAZ2025
●	3.50	STAZ2035
●	1.50	STAZ3415
●	2.50	STAZ3425
●	3.50	STAZ3435
●	1.50	STAZ5015
●	2.50	STAZ5025
●	3.50	STAZ5035

Anodised ■ NP ■ RP ■ WP

ROT | 30 Ncm | 1,25mm | M1,60 | M1,80 | Grade 5 ELI Titanium

Straight abutment



Platf.	Height (H)	Reference
●	1.50	STZ2015
●	2.50	STZ2025
●	3.50	STZ2035
●	1.50	STZ3415
●	2.50	STZ3425
●	3.50	STZ3435
●	1.50	STZ5015
●	2.50	STZ5025
●	3.50	STZ5035

Anodised ■ NP ■ RP ■ WP

NO ROT | Grade 5 ELI Titanium

15° angled abutment

Platf.	Height (H)	Reference
●	1.50	A1Z2015
●	2.50	A2Z2015
●	1.50	A1Z3415
●	2.50	A2Z3415
●	1.50	A1Z5015
●	2.50	A2Z5015

Anodised ■ NP ■ RP ■ WP

NO ROT | Grade 5 ELI Titanium

25° angled abutment

Platf.	Height (H)	Reference
●	1.50	A1Z2025
●	2.50	A2Z2025
●	1.50	A1Z3425
●	2.50	A2Z3425
●	1.50	A1Z5025
●	2.50	A2Z5025

Anodised ■ NP ■ RP ■ WP

NO ROT | Grade 5 ELI Titanium

Abutments

Direct-to-implant restorations

OVERDENTURE

Kirator

Kirator abutment with applicator

Kirator abutment

Platf.	Height (H)	Reference
●	1.00	LOZ2001
●	2.00	LOZ2002
●	3.00	LOZ2003
●	4.00	LOZ2004
●	5.00	LOZ2005
●	6.00	LOZ2006
●	1.00	LOZ3401
●	2.00	LOZ3402
●	3.00	LOZ3403
●	4.00	LOZ3404
●	5.00	LOZ3405
●	6.00	LOZ3406
●	1.00	LOZ5001
●	2.00	LOZ5002
●	3.00	LOZ5003
●	4.00	LOZ5004

Golden surface treatment.

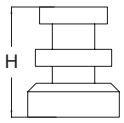
Insertion key Ref. LOSD01/LOSD02.

ROT | 30 Ncm | Kirator | M1,60 | M1,80 | Grade 5 ELI Titanium

Includes the Kirator abutment with sterilisable polyoxymethylene applicator (Tecaform AH-POM-C.

Related abutments

Kirator impression transfer

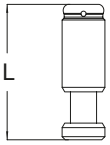


System	Height (H)	Reference
Kirator	6.50	TCRK3400

ROT | Plastic

Pack of 4 units. DO NOT sterilise in an autoclave. Sculptable.

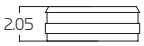
Kirator analogue



System	Length (L)	Reference
Kirator	13.00	IATORK01

ROT | Stainless Steel

Kirator processing kit



Titanium housing

System	Reference
Kirator processing kit	TP8520

Kirator processing kit consisting of: Titanium housing with black relined cap, spacer and purple, transparent and pink plastic caps.

Sterilise the metal coping using the autoclave. Plastic caps and spacers should be cold disinfected. See Cleaning and Disinfection Instructions on the Ziacom® website.

System	Retention (Kg)	Reference
Kirator	● Soft/1.20 kg	TPK100
	● Standard/1.80 kg	TPK200
	● Strong/2.70 kg	TPK300

Pack of 4 plastic Kirator retainer caps.

ROT | Grade 5 ELI Titanium | Plastic

DO NOT sterilise in an autoclave, perform cold disinfection. Maximum divergence of 22° between implants.

Kirator divergence processing kit

Titanium housing

System	Reference
Kirator processing kit	TP8520D

Kirator divergence processing kit comprising: Titanium housing with black relined cap, spacer and purple, transparent and pink plastic caps.

Sterilise the metal coping using the autoclave. Plastic caps and spacers should be cold disinfected. See Cleaning and Disinfection Instructions on the Ziacom® website.

System	Retention (Kg)	Reference
Kirator	● Soft/1.20 kg	TPK110
	● Standard/1.80 kg	TPK220
	● Strong/2.70 kg	TPK330

Pack of 4 plastic Kirator retainer caps - divergent.

ROT | Grade 5 ELI Titanium | Plastic

DO NOT sterilise in an autoclave, perform cold disinfection. Maximum divergence of 44° between implants.

Example sequence

Kirator divergent processing pack references TPK110/ TPK220/TPK330 are subject to availability.

ZM-Equator

ZM-Equator abutment with applicator

ZM-Equator abutment

Platf.	Height (H)	Reference
●	1.00	ZMZ2001
●	2.00	ZMZ2002
●	3.00	ZMZ2003
●	4.00	ZMZ2004
●	5.00	ZMZ2005
●	6.00	ZMZ2006
●	1.00	ZMZ3401
●	2.00	ZMZ3402
●	3.00	ZMZ3403
●	4.00	ZMZ3404
●	5.00	ZMZ3405
●	6.00	ZMZ3406
●	1.00	ZMZ5001
●	2.00	ZMZ5002
●	3.00	ZMZ5003
●	4.00	ZMZ5004

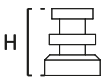
Golden surface treatment.

ROT | 30 Ncm | 1,25mm | M1,60 | M1,80 | Grade 5 ELI Titanium

Includes the ZM-Equator abutment with sterilisable polyoxymethylene applicator (Tecaform AH-POM-C).

Related abutments

ZM-Equator impression transfer

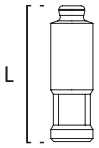


System	Height (H)	Reference
ZM-Equator	6.50	TCRK3410

ROT | Plastic

Pack of 4 units. DO NOT sterilise in an autoclave. Sculptable.

ZM-Equator analogue



System	Length (L)	Reference
ZM-Equator	13.20	IAZM01

ROT | Stainless Steel

ZM-Equator processing kit

Titanium housing

System	Reference
ZM-Equator processing kit	ZM8520

ZM-Equator processing kit consisting of: Titanium housing with black relined cap, spacer and purple, transparent and pink plastic caps.

Sterilise the metal coping using the autoclave. Plastic caps and spacers should be cold disinfected. See Cleaning and Disinfection Instructions on the Ziacom® website.

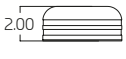
System	Retention (Kg)	Reference
ZM-Equator	● Soft/1.20 kg	TZM100
	● Standard/1.80 kg	TZM200
	● Strong/2.70 kg	TZM300

Pack of 4 plastic ZM-Equator retainer caps.

ROT | Grade 5 ELI Titanium | Plastic

DO NOT sterilise in an autoclave, perform cold disinfection. Maximum divergence of 22° between implants.

ZM-Equator divergence processing kit



Titanium housing

System	Reference
ZM-Equator processing kit	ZM8520D

ZM-Equator divergence processing kit comprising: Titanium housing with black relined cap, spacer and purple, transparent and pink plastic caps.

Sterilise the metal coping using the autoclave. Plastic caps and spacers should be cold disinfected. See Cleaning and Disinfection Instructions on the Ziacom® website.

System	Retention (Kg)	Reference
ZM-Equator	● Soft/1.20 kg	TZM100
	● Standard/1.80 kg	TZM200
	● Strong/2.70 kg	TZM300

Pack of 4 plastic ZM-Equator retainer caps - divergent.

ROT | Grade 5 ELI Titanium | Plastic

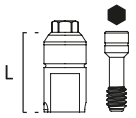
DO NOT sterilise in an autoclave, perform cold disinfection. Maximum divergence of 44° between implants.

Example sequence

Abutments

DIGITAL CAD-CAM

ZiaCam scanbody to implant



For more information on the recommendations for the use of interfaces in zirconia restorations see the literature available at **www.ziacom.com/biblioteca** or the use of abutments see the "Prosthetic procedure manual.

Platf.	Length (L)	Reference
●	8.00	FNSYZ201T
●	8.00	FNSYZ341T
●	8.00	FNSYZ501T

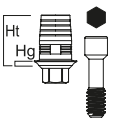
Anodised ● NP ● RP ● WP

NO ROT · 1,25mm · M1,60 · M1,80 · PEEK · Grade 5 ELI Titanium

Indicated for the clinic.

All ZiaCam to implant scanbodies include a screw Ref. LBZ2000 (NP)/LBZ3400 (RP/WP).

ZiaCam Ti-Base



Rotatory

Platf.	Height (Hg/Ht)	Reference
●	0.50/5.00	FRUZ201
●	1.50/6.00	FRUZ202
●	0.50/5.00	FRUZ341
●	1.50/6.00	FRUZ342
●	0.50/5.00	FRUZ501
●	1.50/6.00	FRUZ502

ROT · 30 Ncm · 1,25mm · M1,60 · M1,80 · 45° · Grade 5 ELI Titanium

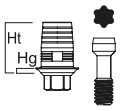
Non-rotatory

Platf.	Height (Hg/Ht)	Reference
●	0.50/5.00	FNUZ201
●	1.50/6.00	FNUZ202
●	0.50/5.00	FNUZ341
●	1.50/6.00	FNUZ342
●	0.50/5.00	FNUZ501
●	1.50/6.00	FNUZ502

NO ROT · 30 Ncm · 1,25mm · M1,60 · M1,80 · 45° · Grade 5 ELI Titanium

All Ti-Base ZiaCam abutments come with a special Kiran screw with surface treatment Ref. DSZ2010 (NP)/DSZ3410 (RP/WP).

Tx30 ZiaCam Ti-Base



Rotatory

Platf.	Height (Hg/Ht)	Reference
●	0.50/6.00	FRUZ20TX1
●	1.50/7.00	FRUZ20TX2 (1)
●	0.50/6.00	FRUZ34TX1
●	1.50/7.00	FRUZ34TX2 (1)
●	0.50/6.00	FRUZ50TX1
●	1.50/7.00	FRUZ50TX2 (1)

ROT · 30 Ncm · M1,60 · M1,80 · 45° · Grade 5 ELI Titanium · 30° · 20° (1)

Non-rotatory

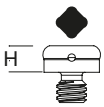
Platf.	Height (Hg/Ht)	Reference
●	0.50/6.00	FNUZ20TX1
●	1.50/7.00	FNUZ20TX2 (1)
●	0.50/6.00	FNUZ34TX1
●	1.50/7.00	FNUZ34TX2 (1)
●	0.50/6.00	FNUZ50TX1
●	1.50/7.00	FNUZ50TX2 (1)

NO ROT · 30 Ncm · M1,60 · M1,80 · 45° · Grade 5 ELI Titanium · 30° · 20° (1)

All Ti-Base ZiaCam Tx30 abutments come with a special Kiran Tx30 screw with surface treatment Ref. DSZ2010TX (NP)/DSZ3410TX (RP/WP).

(1) Gingival heights of 1.50 mm have a maximum angle of 20° (all other heights have a maximum of 30°).

Kirator abutment.Toolbar



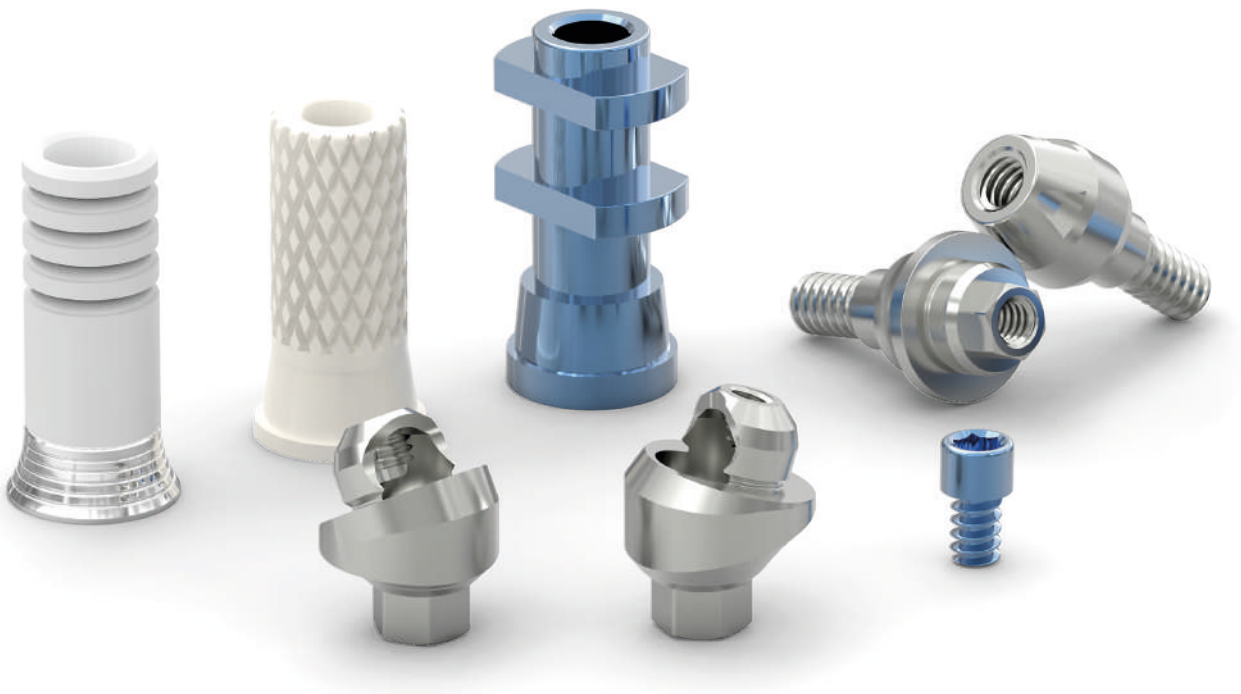
Platf.	Height (H)	Reference
Universal	1.80	LOTB100

Gold-coloured surface treatment.

ROT · Grade 5 ELI Titanium

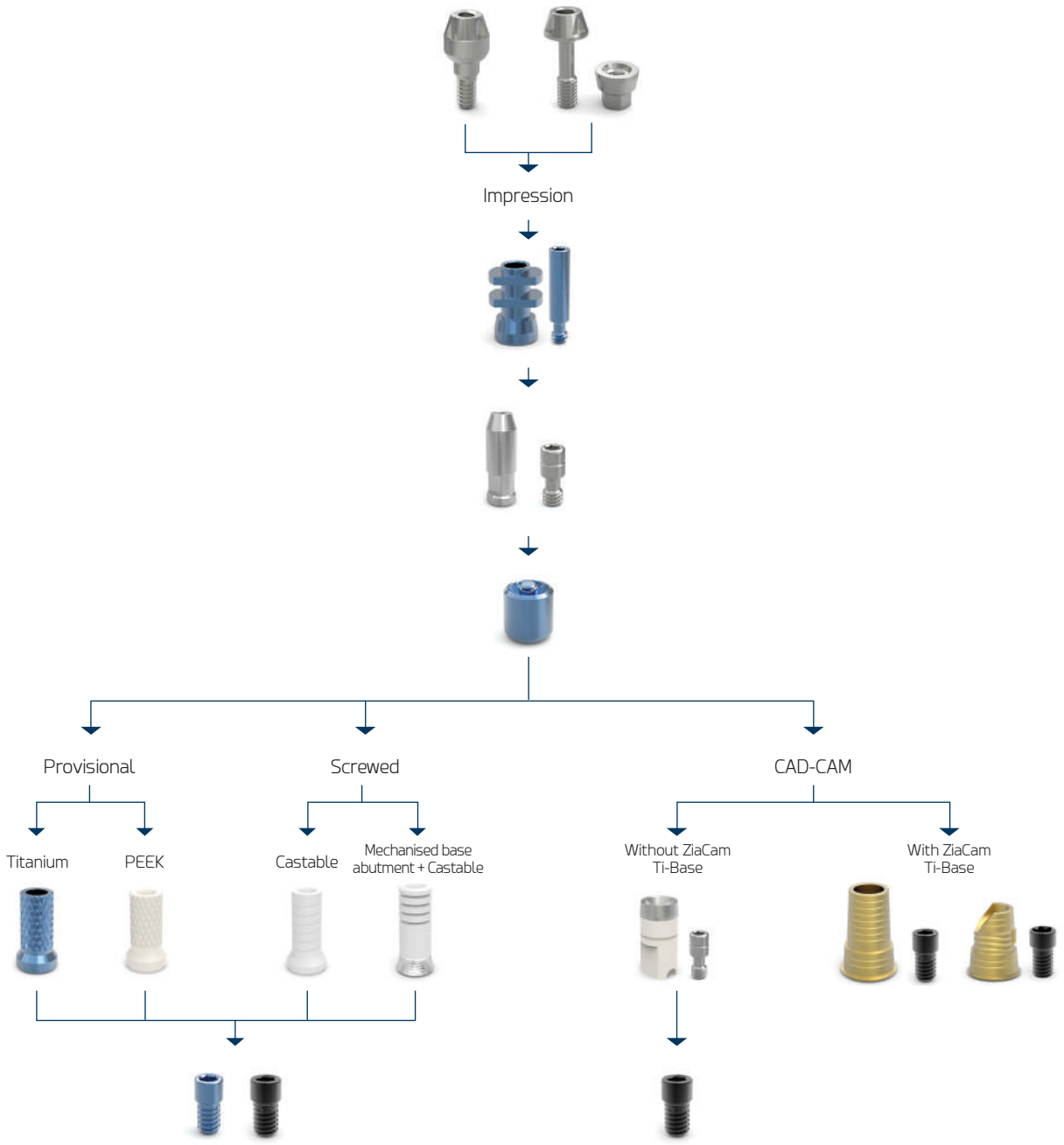
Abutments

Restorations using transepithelials



Restorations using transepithelials

Basic | Demonstrative sequence of use



For more information on the use of abutments see the "Prosthetic procedure manual" available at **www.ziacom.com/biblioteca**

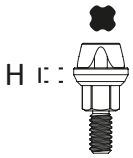
Basic abutment

Platf.	Height (H)	Reference
●	1.00	BASICZ201
●	2.00	BASICZ202
●	3.00	BASICZ203
●	4.00	BASICZ204
●	5.00	BASICZ205
●	1.00	BASICZ401
●	2.00	BASICZ402
●	3.00	BASICZ403
●	4.00	BASICZ404
●	5.00	BASICZ405
●	1.00	BASICZ501
●	2.00	BASICZ502
●	3.00	BASICZ503
●	4.00	BASICZ504

Insertion key Ref. MABA100/MABA110

ROT | 30 Ncm | Basic | M1,60 | M1,80 | Grade 5 ELI Titanium

Basic abutment



Platf.	Height (H)	Reference
●	1.00	BASICZ201N
●	2.00	BASICZ202N
●	3.00	BASICZ203N
●	4.00	BASICZ204N
●	1.00	BASICZ401N
●	2.00	BASICZ402N
●	3.00	BASICZ403N
●	4.00	BASICZ404N
●	1.00	BASICZ501N
●	2.00	BASICZ502N
●	3.00	BASICZ503N
●	4.00	BASICZ504N

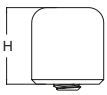
Insertion key Ref. MABA100/MABA110

NO ROT | 30 Ncm | Basic | M1,60 | M1,80 | Grade 5 ELI Titanium

Basic abutment with applicator

Includes the Basic abutment with sterilisable polyoxymethylene applicator (Tecaform AH-POM-C). 18° cone angle. 36° angle between abutments.

Basic healing abutment

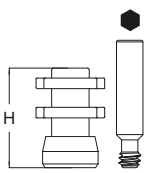


System	Height (H)	Reference
Basic	5.00	BAHAEX34

Anodised ■ RP

ROT | 1,25mm | M1,80 | Grade 5 ELI Titanium

Basic impression abutment



Rotatory

System	Height (H)	Reference
Basic	8.00	BATC134

Anodised ■ RP

ROT | 1,25mm | M1,80 | 45° | Grade 5 ELI Titanium

Non-rotatory

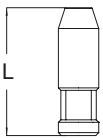
System	Height (H)	Reference
Basic	8.00	BATN134

Anodised ■ RP

NO ROT | 1,25mm | M1,80 | 45° | Grade 5 ELI Titanium

All Basic impression abutments come with a screw.

Basic analogue



Rotatory

System	Length (L)	Reference
Basic	13.00	BAIAEX34

ROT | Stainless Steel

Non-rotatory

System	Length (L)	Reference
Basic	13.00	BAIANEX34

NO ROT | Stainless Steel

Basic 3D analogue

System	Length (L)	Reference
Basic	13.00	BAIAEX34D

NO ROT | Stainless Steel

Abutments

Basic clinical screw


System	Length (L)	Reference
Basic	4.30	BDSEI3400

Anodised ■ RP

25 Ncm · 1,25mm · M1,80 · 45° · Grade 5 ELI Titanium

Kiran Basic clinical screw


System	Length (L)	Reference
Basic	4.30	BDSEI3410

25 Ncm · 1,25mm · M1,80 · 45° · Grade 5 ELI Titanium

Special Kiran screw with surface treatment.

Basic laboratory screw


System	Length (L)	Reference
Basic	5.50	BDSEI3401

1,25mm · M1,80 · 45° · Grade 5 ELI Titanium

NOT apt for use as the final clinical screw.

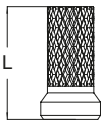
Kiran Tx30 Basic clinical screw


System	Length (L)	Reference
Basic	4.10	BDSEI34TX

25 Ncm · M1,80 · 45° · Grade 5 ELI Titanium

Special Kiran Tx30 screw with surface treatment.

Basic provisional abutment

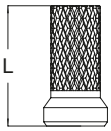



System	Length (L)	Reference
Basic	8.50	BARUT10

Anodised ■ RP

ROT · Grade 5 ELI Titanium

Basic provisional abutment

Rotatory

System	Length (L)	Reference
Basic	8.50	BARUP34

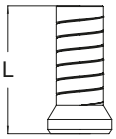
ROT · PEEK

Non-rotatory

System	Length (L)	Reference
Basic	8.50	BANUP34

NO ROT · PEEK

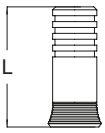
UCLA Basic



System	Length (L)	Reference
Basic	9.00	BARUEX34

ROT · Full castable

Abutment base mec. Basic + Abutment calcinable

Rotatory

System	Length (L)	Reference
Basic	11.00	BBRU34

ROT · Co-Cr +castable

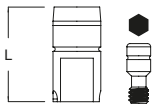
Non-rotatory

System	Length (L)	Reference
Basic	11.00	BBNU34

NO ROT · Co-Cr +castable

Basic

ZiaCam scanbody to Basic abutment



Rotatory

System	Length (L)	Reference
Basic	8.70	FNSYB11T

ROT · 1,25mm · M1,80 · 45° · PEEK · Grade 5 ELI Titanium

Non-rotatory

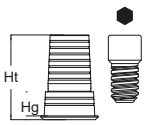
System	Length (L)	Reference
Basic	8.70	FNSYB11NT

NO ROT · 1,25mm · M1,80 · 45° · PEEK · Grade 5 ELI Titanium

Indicated for clinical use.

All ZiaCam scanbody to Basic abutments include a screw Ref. BDSEI3401.

ZiaCam to Basic Ti-Base



Rotatory

System	Height (Hg/Ht)	Reference
Basic	0.30/6.70	BFRU341

ROT · 25 Ncm · 1,25mm · M1,80 · 45° · Grade 5 ELI Titanium

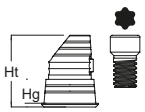
Non-rotatory

System	Height (Hg/Ht)	Reference
Basic	0.30/6.70	BFNU341

NO ROT · 25 Ncm · 1,25mm · M1,80 · 45° · Grade 5 ELI Titanium

All ZiaCam to Basic Ti-Bases come with a Kiran special screw with surface treatment Ref. BDSEI3410.

ZiaCam Tx30 to Basic Ti-Base



Rotatory

System	Height (Hg/Ht)	Reference
Basic	0.30/5.70	BFRU341TX

ROT · 25 Ncm · M1,80 · 45° · Grade 5 ELI Titanium · 30°

Non-rotatory

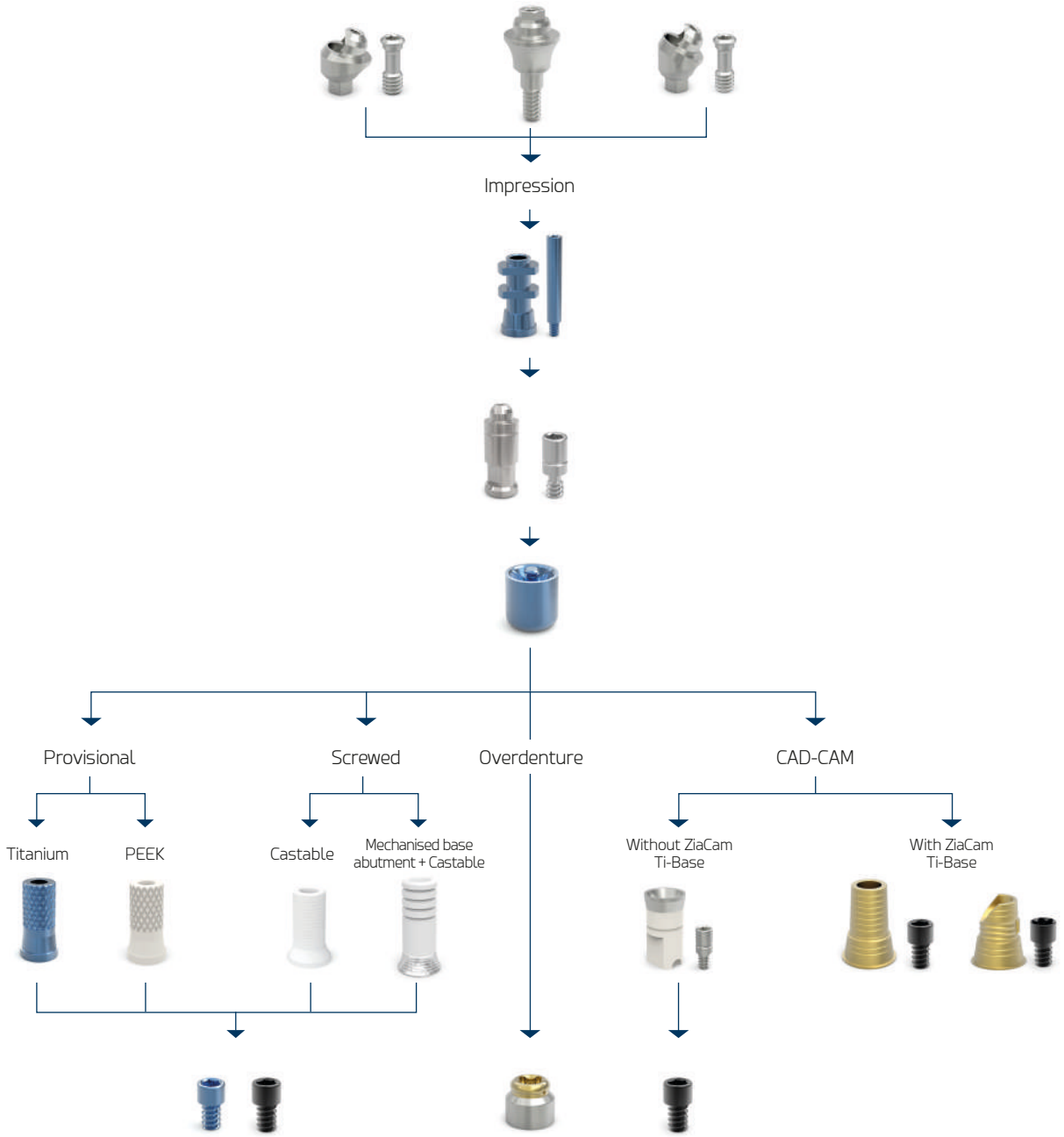
System	Height (Hg/Ht)	Reference
Basic	0.30/5.70	BFNU341TX

NO ROT · 25 Ncm · M1,80 · 45° · Grade 5 ELI Titanium · 30°

All ZiaCam Tx30 to Basic Ti-Bases come with a Kiran Tx30 special screw with surface treatment Ref. BDSEI34TX.

Restorations using transepithelials

XDrive | Demonstrative sequence of use



For more information on the use of abutments see the "Prosthetic procedure manual" available at **www.ziacom.com/biblioteca**

XDrive straight abutment

Platf.	Height (H)	Reference
●	1.00	XST00Z10
●	2.00	XST00Z20
●	3.00	XST00Z30
●	4.00	XST00Z40
●	5.00	XST00Z50
●	1.00	XST10Z10
●	2.00	XST10Z20
●	3.00	XST10Z30
●	4.00	XST10Z40
●	5.00	XST10Z50
●	1.00	XST20Z10
●	2.00	XST20Z20
●	3.00	XST20Z30
●	4.00	XST20Z40
●	5.00	XST20Z50

Insertion key Ref. MABA200/MABA210.

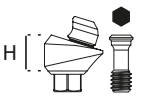
ROT | 30 Ncm | XDrive | M1,60 | M1,80 | Grade 5 ELI Titanium

Includes the XDrive abutment with sterilisable polyoxymethylene applicator (Tecaform AH-POM-C).

21° cone angle. 42° angle between abutments.

XDrive abutment with applicator

XDrive 17° angled abutment

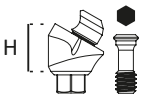


Platf.	Height (H)	Reference
●	2.00	XA200Z17
●	3.00	XA300Z17
●	4.00	XA400Z17
●	5.00	XA500Z17
●	2.00	XA210Z17
●	3.00	XA310Z17
●	4.00	XA410Z17
●	5.00	XA510Z17
●	2.00	XA220Z17
●	3.00	XA320Z17
●	4.00	XA420Z17
●	5.00	XA520Z17

NO ROT | 30 Ncm | 1,25mm | M1,60 | M1,80 | 45° | Grade 5 ELI Titanium

All angled XDrive abutments come with a stainless steel positioner and screw.

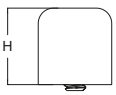
XDrive 30° angled abutment



Platf.	Height (H)	Reference
●	3.00	XA300Z30
●	4.00	XA400Z30
●	5.00	XA500Z30
●	3.00	XA310Z30
●	4.00	XA410Z30
●	5.00	XA510Z30
●	3.00	XA320Z30
●	4.00	XA420Z30
●	5.00	XA520Z30

NO ROT | 30 Ncm | 1,25mm | M1,60 | M1,80 | 45° | Grade 5 ELI Titanium

XDrive healing abutment

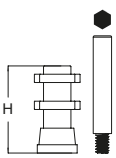


System	Height (H)	Reference
XDrive	5.00	XH103400

Anodised ■ RP

ROT | 1,25mm | M1,40 | Grade 5 ELI Titanium

XDrive impression abutment



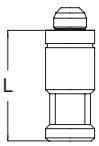
System	Height (H)	Reference
XDrive	10.50	XT103411

Anodised ■ RP

ROT | 1,25mm | M1,40 | 90° | Grade 5 ELI Titanium

Includes screw.

XDrive analogue



System	Length (L)	Reference
XDrive	13.00	XIA103400

ROT | Stainless Steel

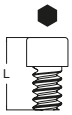
XDrive 3D analogue

System	Length (L)	Reference
XDrive	13.00	XIA103400D

ROT | Stainless Steel

Abutments

XDrive clinical screw

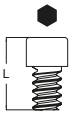



System	Length (L)	Reference
XDrive	3.50	XDS103410

Anodised RP

20 Ncm · 1,25mm · M1,40 · 90° · Grade 5 ELI Titanium

Kiran XDrive clinical screw

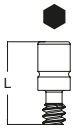



System	Length (L)	Reference
XDrive	3.50	XDS103411

20 Ncm · 1,25mm · M1,40 · 90° · Grade 5 ELI Titanium

Special Kiran screw with surface treatment.

XDrive laboratory screw

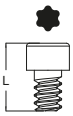



System	Length (L)	Reference
XDrive	5.10	XLB103410

1,25mm · M1,40 · 90° · Grade 5 ELI Titanium

NOT apt for use as the final clinical screw.

Kiran Tx30 XDrive clinical screw

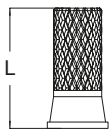
For Ti-Base ZiaCam or metal structures

System	Length (L)	Reference
XDrive	3.50	XDS3411TX

20 Ncm · M1,40 · 90° · Grade 5 ELI Titanium

Special Kiran Tx30 screw with surface treatment.

XDrive provisional abutment

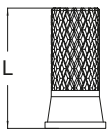



System	Length (L)	Reference
XDrive	9.50	XST3410

Anodised RP

ROT · Grade 5 ELI Titanium

XDrive provisional abutment

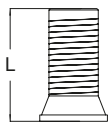



System	Length (L)	Reference
XDrive	9.50	XSP3410

ROT · PEEK

XDrive

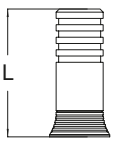
XDrive UCLA

System	Length (L)	Reference
XDrive	8.00	XRU103400

ROT · Full castable

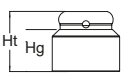
XDrive mechanised base abutment + Castable abutment

System	Length (L)	Reference
XDrive	11.00	XBRU34

ROT · Co-Cr +castable

Kirator XDrive abutment

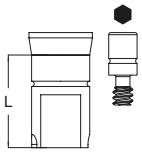



System	Height (Hg/Ht)	Reference
XDrive	3.00/4.30	XL03400

Kirator abutment with gold surface treatment.

ROT · 20 Ncm · Kirator · M1,40 · Grade 5 ELI Titanium

ZiaCam scanbody to XDrive abutment



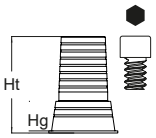
System	Length (L)	Reference
XDrive	8.70	FNSYX11T

ROT · 1,25mm · M1,40 · 90° · PEEK · Grade 5 ELI Titanium

Indicated for clinical use.

All ZiaCam scanbody to XDrive abutments include a screw Ref. XLB103410.

ZiaCam XDrive Ti-Base

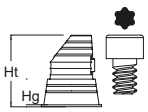


System	Height (Hg/Ht)	Reference
XDrive	0.15/6.70	XFRU341

ROT · 20 Ncm · 1,25mm · M1,40 · 90° · Grade 5 ELI Titanium

Includes Kiran special screw with surface treatment Ref. XDS103411.

ZiaCam Tx30 XDrive Ti-Base



System	Height (Hg/Ht)	Reference
XDrive	0.15/5.70	XFRU341TX

ROT · 20 Ncm · M1,40 · 90° · Grade 5 ELI Titanium · 30°

Includes Kiran Tx30 special screw with surface treatmen- Ref. XDS3411TX.

Table of abutment torques

Element/Abutment	Instrument/Tool	Torque
Cover screws/Healing abutments	Hex screwdriver 1.25 mm	Manual
Impression abutment screws	Hex screwdriver 1.25 mm	Manual
Laboratory screws	Hex screwdriver 1.25 mm	Manual
Direct-to-implant clinical screws	Hex screwdriver 1.25 mm	30 Ncm
Direct-to-implant Kiran clinical screws	Hex screwdriver 1.25 mm	30 Ncm
Basic/XDrive abutments	Insertion keys: MABA100/MABA110/MABA200/MABA210	30 Ncm
Clinical screws on Basic	Hex screwdriver 1.25 mm	25 Ncm
Kiran clinical screws on Basic	Hex screwdriver 1.25 mm	25 Ncm
Clinical screws on XDrive	Hex screwdriver 1.25 mm	20 Ncm
Kiran clinical screws on XDrive	Hex screwdriver 1.25 mm	20 Ncm
ZiaCam scanbody + screw	Hex screwdriver 1.25 mm	Manual
Kirator abutments	Insertion keys: LOSD01/LOSD02	30 Ncm
ZM-Equator abutments	Hex screwdriver 1.25 mm	30 Ncm
Tx30 abutment/screw (Variable Rotation)	Tx30 Torx screwdriver	30 Ncm

ATTENTION
Exceeding the recommended tightening torque for screws and abutments compromises the prosthetic restoration and could damage the implant structure.

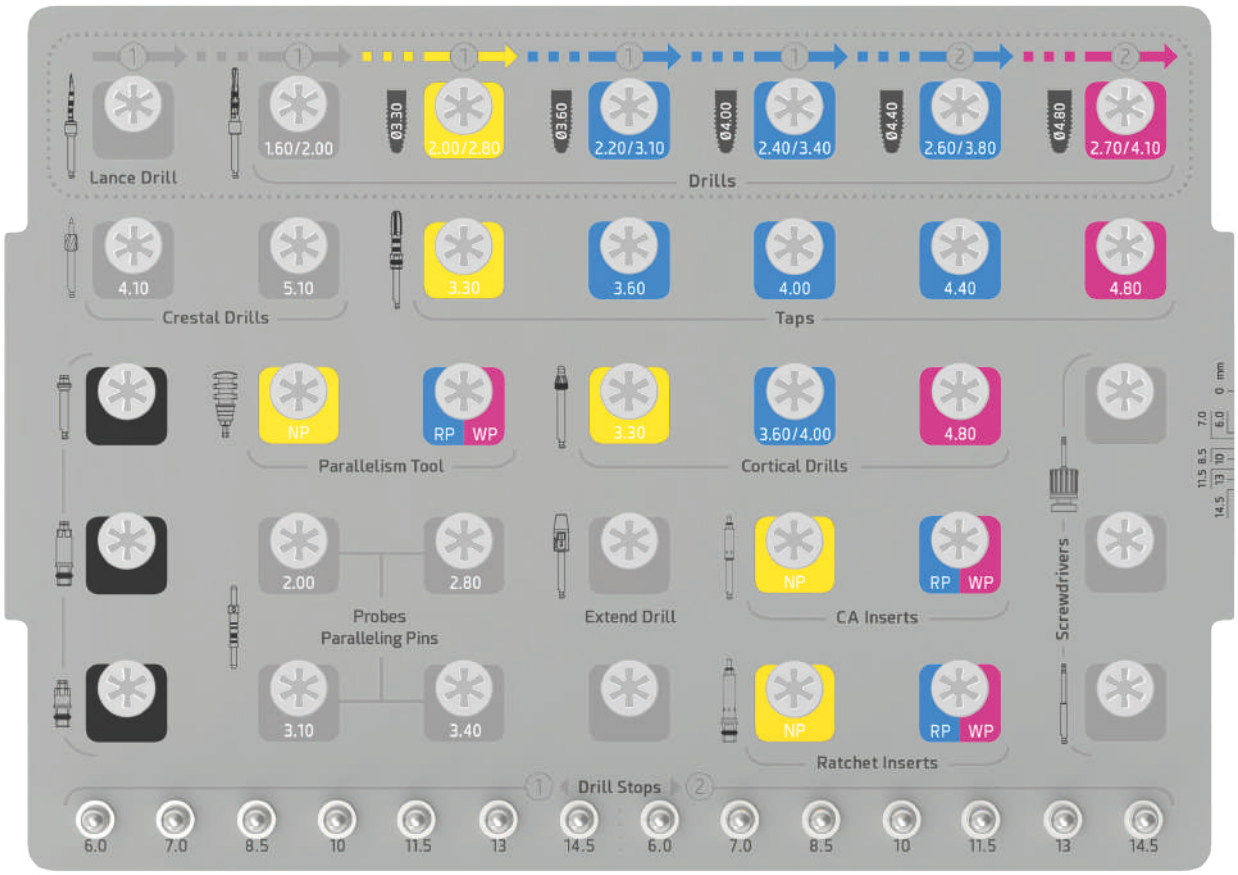
For immediate loading: DO NOT tighten manually, attach with the final torque.
When using a screwdriver or adaptor for a contra-angle handpiece (CA), do not exceed a maximum speed of 25 rpm.

ZiNiC®MT

Surgical instruments

Surgical instruments

Zinic® MT surgical box



■ Contents of Zinic® MT boxes available

Platf.	Contents	Reference
	Empty	BOX441
●	Basic manual/CA. Surgical ratchet	BOX410ZSM
●	Basic manual/CA. Torque wrench	BOX410ZSMK
●	Complete. Surgical ratchet	BOX410ZCM
	Complete. Torque wrench	BOX410ZCMK

134°

Material: radel.

Ensure boxes do not touch the walls of the autoclave to avoid damage.

Contents of surgical boxes

REF	Description	BOX410ZSM	BOX410ZSMK	BOX410ZCM	BOX410ZCMK
SID001M	Lance drill. Ø2.00 mm. Millimeter. CA	●	●	○	○
OSPD20M	Pilot drill. Ø1.60/2.00 mm. Millimeter. CA.	●	●	○	○
OSTD28M	Stepped surgical drill. Ø2.00/2.50/2.80 mm. Millimeter. CA.	●	●	○	○
OSTD31M	Stepped surgical drill. Ø2.20/2.70/3.10 mm. Millimeter. CA.	●	●	○	○
OSTD34M	Stepped surgical drill. Ø2.40/2.90/3.40 mm. Millimeter. CA.	●	●	○	○
OSTD38M	Stepped surgical drill. Ø2.60/3.30/3.80 mm. Millimeter. CA.	●	●	○	○
OSTD41M	Stepped surgical drill. Ø2.70/3.50/4.10 mm. Millimeter. CA.	●	●	○	○
OTD01CZ	Cortical drill. Ø3.30 mm CA.	●	●	○	○
OTD01ST	Cortical drill. Ø3.60/Ø4.00 mm. CA.	●	●	○	○
OTD02ST	Cortical drill. Ø4.80 mm CA.	●	●	○	○
CLD34	Crestal surgical drill. Ø4.10 mm. CA.			○	○
CLD50	Crestal surgical drill. Ø5.10 mm. CA.			○	○
PMT1	Paralleling pins. Manual. Grade 5 ELI titanium			○	○
PMT2	Paralleling pins. Manual. Grade 5 ELI titanium			○	○
ZMPD160	Calibrated drill stop. 1. H6 mm. Grade 5 ELI titanium			○	○
ZMPD170	Calibrated drill stop. 1. H7 mm. Grade 5 ELI titanium			○	○
ZMPD185	Calibrated drill stop. 1. H8.5 mm. Grade 5 ELI titanium			○	○
ZMPD110	Calibrated drill stop. 1. H10 mm. Grade 5 ELI titanium			○	○
ZMPD115	Calibrated drill stop. 1. H11.5 mm. Grade 5 ELI titanium			○	○
ZMPD113	Calibrated drill stop. 1. H13 mm. Grade 5 ELI titanium			○	○
ZMPD114	Calibrated drill stop. 1. H14.5 mm. Grade 5 ELI titanium			○	○
ZMPD260	Calibrated drill stop. 2. H6 mm. Grade 5 ELI titanium			○	○
ZMPD270	Calibrated drill stop. 2. H7 mm. Grade 5 ELI titanium			○	○
ZMPD285	Calibrated drill stop. 2. H8.5 mm. Grade 5 ELI titanium			○	○
ZMPD210	Calibrated drill stop. 2. H10 mm. Grade 5 ELI titanium			○	○
ZMPD215	Calibrated drill stop. 2. H11.5 mm. Grade 5 ELI titanium			○	○
ZMPD213	Calibrated drill stop. 2. H13 mm. Grade 5 ELI titanium			○	○
ZMPD214	Calibrated drill stop. 2. H14.5 mm. Grade 5 ELI titanium			○	○
MTAP33MC	Surgical tap. Ø3.30 mm Millimeter. Ratchet	●	●	○	○
MTAP36MC	Surgical tap. Ø3.60 mm. Millimeter. Ratchet	●	●	○	○
MTAP40MC	Surgical tap. Ø4.00 mm. Millimeter. Ratchet	●	●	○	○
MTAP44MC	Surgical tap. Ø4.40 mm. Millimeter. Ratchet	●	●	○	○
MTAP48MC	Surgical tap. Ø4.80 mm Millimeter. Ratchet	●	●	○	○
MUR10MT	Probe/Paralleling pin. Ø1.60/2.00 mm. Millimeter. Manual. Grade 5 ELI titanium			○	○
MUR20MT	Probe/Paralleling pin. Ø 1.80/2.50 mm. Millimeter. Manual. Grade 5 ELI titanium			○	○
MUR30MT	Probe/Paralleling pin. Ø2.15/3.30 mm. Millimeter. Manual. Grade 5 ELI titanium			○	○
MUR40MT	Probe/Paralleling pin. Ø2.50/3.70 mm. Millimeter. Manual. Grade 5 ELI titanium			○	○
TSMIN	ZPlus insertion key. Short. Ratchet	●	●	○	○
TLMIN	ZPlus insertion key. Long. Ratchet	●	●	○	○
01MMIN	ZPlus insertion key. Short. CA.	●	●	○	○
LMZ	Zinic® insertion key. Long. Ratchet	●	●	○	○
SMZ1	Zinic® insertion key. Short. Ratchet	●	●	○	○
MMZ	Zinic® insertion key. Short. CA.	●	●	○	○
MMZ1	Zinic® insertion key. Short. CA.	●	●	○	○
DEXT10	Drill extender	●	●	○	○
MESD	Ø1.25 mm screwdriver tip. CA	●	●	○	○
LMSD	Surgical screwdriver, Ø 1.25 mm, Long. Manual	●	●	○	○
SMSD	Surgical screwdriver, Ø 1.25 mm, Short. Manual	●	●	○	○
01MOHW	ZPlus Block key Manual	●	●	○	○
RATC50	Implant ratchet. Manual	●		○	
TORK50	Adjustable torque wrench. 10/20/30/40/50/60/70 Ncm		●		○

Surgical instruments

Zinic® MT · ZM1 surgical box

■ Contents of Zinic® MT · ZM1 boxes available

Platf.	Contents	Reference
	Empty	BOX421
	Basic manual/CA. Surgical ratchet	BOX411SM
	Basic manual/CA. Torque wrench	BOX411SMK
	Complete. Surgical ratchet	BOX411CM
	Complete. Torque wrench	BOX411CMK

134°

Material: radel.

Ensure boxes do not touch the walls of the autoclave to avoid damage.

Contents of surgical boxes

REF	Description	BOX411SM	BOX411SMK	BOX411CM	BOX411CMK
SID001M	Lance drill. Millimeter. CA.	●	●	●	●
OSPD20M	Pilot drill. Ø1.60/2.00 mm. Millimeter. CA.	●	●	●	●
OSTD28M	Stepped surgical drill. Ø2.00/2.50/2.80 mm. Millimeter. CA.	●	●	●	●
OSTD31M	Stepped surgical drill. Ø2.20/2.70/3.10 mm. Millimeter. CA.	●	●	●	●
OSTD34M	Stepped surgical drill. Ø2.40/2.90/3.40 mm. Millimeter. CA.	●	●	●	●
OSTD38M	Stepped surgical drill. Ø2.60/3.30/3.80 mm. Millimeter. CA.	●	●	●	●
OSTD41M	Stepped surgical drill. Ø2.70/3.50/4.10 mm. Millimeter. CA.	●	●	●	●
OTD01CZ	Cortical drill. Ø3.30 mm CA.	●	●	●	●
OTD01ST	Cortical drill. Ø3.60/Ø4.00 mm. CA.	●	●	●	●
OTD02ST	Cortical drill. Ø4.80 mm CA.	●	●	●	●
MTD20	Cortical drill. Ø3.30 mm CA.	●	●	●	●
OTD01CA	Cortical drill. Ø3.60/Ø4.00 mm. CA.	●	●	●	●
OTD02CA	Cortical drill. Ø4.40 mm. CA.	●	●	●	●
OTD03CA	Cortical drill. Ø4.80 mm CA.	●	●	●	●
CLD34	Crestal surgical drill. Ø4.10 mm. CA.			●	●
CLD50	Crestal surgical drill. Ø5.10 mm. CA.			●	●
PMT1	Paralleling pins. Manual. Grade 5 ELI titanium			●	●
PMT2	Paralleling pins. Manual. Grade 5 ELI titanium			●	●
ZMPD160	Calibrated drill stop. 1. H6 mm. Grade 5 ELI titanium			●	●
ZMPD170	Calibrated drill stop. 1. H7 mm. Grade 5 ELI titanium			●	●
ZMPD185	Calibrated drill stop. 1. H8.5 mm. Grade 5 ELI titanium			●	●
ZMPD110	Calibrated drill stop. 1. H10 mm. Grade 5 ELI titanium			●	●
ZMPD115	Calibrated drill stop. 1. H11.5 mm. Grade 5 ELI titanium			●	●
ZMPD113	Calibrated drill stop. 1. H13 mm. Grade 5 ELI titanium			●	●
ZMPD114	Calibrated drill stop. 1. H14.5 mm. Grade 5 ELI titanium			●	●
ZMPD260	Calibrated drill stop. 2. H6 mm. Grade 5 ELI titanium			●	●
ZMPD270	Calibrated drill stop. 2. H7 mm. Grade 5 ELI titanium			●	●
ZMPD285	Calibrated drill stop. 2. H8.5 mm. Grade 5 ELI titanium			●	●
ZMPD210	Calibrated drill stop. 2. H10 mm. Grade 5 ELI titanium			●	●
ZMPD215	Calibrated drill stop. 2. H11.5 mm. Grade 5 ELI titanium			●	●
ZMPD213	Calibrated drill stop. 2. H13 mm. Grade 5 ELI titanium			●	●
ZMPD214	Calibrated drill stop. 2. H14.5 mm. Grade 5 ELI titanium			●	●
MTAP33MC	Surgical tap. Ø3.30 mm Millimeter. Ratchet	●	●	●	●
MTAP36MC	Surgical tap. Ø3.60 mm. Millimeter. Ratchet	●	●	●	●
MTAP40MC	Surgical tap. Ø4.00 mm. Millimeter. Ratchet	●	●	●	●
MTAP44MC	Surgical tap. Ø4.40 mm. Millimeter. Ratchet	●	●	●	●
MTAP48MC	Surgical tap. Ø4.80 mm Millimeter. Ratchet	●	●	●	●
MUR10MT	Probe/Paralleling pin. Ø1.60/2.00 mm. Millimeter. Manual. Grade 5 ELI titanium			●	●
MUR20MT	Probe/Paralleling pin. Ø 1.80/2.50 mm. Millimeter. Manual. Grade 5 ELI titanium			●	●
MUR30MT	Probe/Paralleling pin. Ø2.15/3.30 mm. Millimeter. Manual. Grade 5 ELI titanium			●	●
MUR40MT	Probe/Paralleling pin. Ø2.50/3.70 mm. Millimeter. Manual. Grade 5 ELI titanium			●	●
TSMIN	ZPlus insertion key. Short. Ratchet	●	●	●	●
TLMIN	ZPlus insertion key. Long. Ratchet	●	●	●	●
01MMIN	ZPlus insertion key. Short. CA.	●	●	●	●
LMZ	Zinic® insertion key. Long. Ratchet	●	●	●	●
SMZ1	Zinic® insertion key. Short. Ratchet	●	●	●	●
MMZ	Zinic® insertion key. Short. CA.	●	●	●	●
MMZ1	Zinic® insertion key. Short. CA.	●	●	●	●
SMEX20	ZM4 insertion key. Ratchet	●	●	●	●
SMEX34	ZM4 insertion key. Ratchet	●	●	●	●
SMEX50	ZM4 Insertion key. Ratchet	●	●	●	●
MMEX20	ZM4 insertion key. CA.	●	●	●	●
MMEX34	ZM4 insertion key. CA.	●	●	●	●
MMEX50	ZM4 insertion key. CA.	●	●	●	●
DEXT10	Drill extender	●	●	●	●
MESD	Ø1.25 mm screwdriver tip. CA.	●	●	●	●
LMSD	Surgical screwdriver, Ø 1.25 mm, Long. Manual	●	●	●	●
SMSD	Surgical screwdriver, Ø 1.25 mm, Short. Manual	●	●	●	●
01MOHW	ZPlus block key. Manual	●	●	●	●
RATC50	Implant ratchet. Manual			●	
TORK50	Adjustable torque wrench. 10/20/30/40/50/60/70 Ncm		●		●

Surgical instruments

SURGICAL DRILLS

Lance drill

Platf.	Diameter (Ø)	Length (L)	Reference
● ● ●	2.00	16.30	SID001M

Millimeter: 6/7/8.5/10/11.5/13/14.5

45 USES · Stainless Steel

Pilot drill

Platf.	Diameter (Ø)	Length (L)	Reference
● ● ●	1.60/2.00	17.50	OSPD20M

Millimeter: 6/7/8.5/10/11.5/13/14.5

45 USES · Stainless Steel

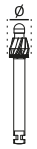
Stepped surgical drill

Platf.	Diameter (Ø)	Length (L)	Reference
	2.00/2.80	17.50	OSTD28M
●	2.20/3.10	17.50	OSTD31M
●	2.40/3.40	17.50	OSTD34M
●	2.60/3.80	17.50	OSTD38M
	2.70/4.10	17.50	OSTD41M

Millimeter: 6/7/8.5/10/11.5/13/14.5

45 USES · Stainless Steel

Cortical drill



Platf.	Diameter (Ø)	Reference
●	3.30	OTD01CZ
●	3.80	OTD01ST
●	4.80	OTD02ST

45 USES · Stainless Steel

See surgical drilling protocol for more information on using the cortical drill.

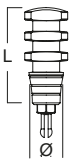
Crestal surgical drill

Platf.	Diameter (Ø)	Reference
Universal	4.10	CLD34
	5.10	CLD50

45 USES · Stainless Steel

PIN

Paralleling pins



Platf.	Diameter (Ø)	Length (L)	Reference
●	3.95	11.00	PMT1
● ●	4.50	11.00	PMT2

Anodised ■ NP ■ RP/WP

Grade 5 ELI Titanium

STOPS

Calibrated drill stop

Platf.	Type	Length (L) Implant	Reference
	1	6.00	ZMPD160
		7.00	ZMPD170
		8.50	ZMPD185
		10.00	ZMPD110
		11.50	ZMPD115
		13.00	ZMPD113
●		14.50	ZMPD114
●	2	6.00	ZMPD260
●		7.00	ZMPD270
		8.50	ZMPD285
		10.00	ZMPD210
		11.50	ZMPD215
		13.00	ZMPD213
		14.50	ZMPD214
Pack *	--	--	KZMPD100

* Complete pack of 14 calibrated stops.

Grade 5 ELI Titanium

TAPS

Surgical tap. CA/Manual

Platf.	Diameter (Ø)	Reference
	3.30	MTAP33MC
●	3.60	MTAP36MC
●	4.00 *	MTAP40MC
●	4.40 *	MTAP44MC
	4.80 *	MTAP48MC

Millimeter: 8.5/10/11.5/13/14.5

* Millimeter: 6/7/8.5/10/11.5/13/14.5

Stainless Steel

See surgical drilling protocol for more information on using tap.

PROBES

Probe/Paralleling pin

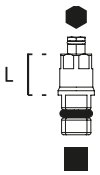
Platf.	Diameters (Ø1-Ø2)	Length (L)	Reference
●	1.60/2.00	26.00	MUR10MT
●	2.00/2.80	25.50	MUR20MT
●	2.20/3.10	24.50	MUR30MT
●	2.40/3.40	24.50	MUR40MT

Millimeter: 6/7/8.5/10/11.5/13/14.5

Grade 5 ELI Titanium

KEYS

ZPlus insertion key. Ratchet



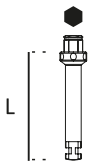
Platf.	Length (L)	Reference
ZPlus	3.10/Mini	XSMIN *
	5.60/Short	TSMIN
	10.60/Long	TLMIN

⬢ Hexagonal 2.4 mm / ■ Square 4x4 mm

Stainless Steel

* Ref. XSMIN, is NOT included in the surgical box.

ZPlus insertion key. CA



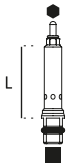
Platf.	Length (L)	Reference
ZPlus	15.90	01MMIN
	23.90	02MMIN *

⬢ Hexagonal 2.4 mm

Stainless Steel

* Ref. 02MMIN, is NOT included in the surgical box.

Zinic® insertion key. Ratchet



Platf.	Length (L)	Reference
●	5.00/Short	SMZ *
	15.00/Long	LMZ
● ●	5.00/Short	SMZ1
	15.00/Long	LMZ1 *

⬢ Hexagonal NP 2.10 mm
⬢ Hexagonal RP/WP 2.42 mm
■ Square 4x4 mm

Stainless Steel

* Ref. SMZ/LMZ1. are NOT included in the surgical box.

Zinic® insertion key. CA

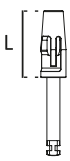
Platf.	Length (L)	Reference
●	19.50/Short	MMZ
●	27.50/Long	MMZA *
● ●	19.50/Short	MMZ1
● ●	27.50/Long	MMZ1A *

⬢ Hexagonal NP 2.10 mm.
⬢ Hexagonal RP/WP 2.42 mm.

Stainless Steel

* Ref. MMZA/MMZ1A, are NOT included in the surgical box.

Drill extender



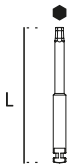
Platf.	Length (L)	Reference
Universal	12.00	DEXT10

Stainless Steel

Surgical instruments

SCREWDRIVERS

Screwdriver tip. CA



Platf.	Length (L)	Reference
Universal	20.00/Short	MESD01
	25.00/Long	MESD

Hexagonal 1.25 mm

1,25mm · Stainless Steel

Surgical screwdriver. Manual

Platf.	Length (L)	Reference
Universal	2.80/Mini	XSMSD
	9.50/Short	SMSD
	14.50/Long	LMSD
	27.00/Extralong	XLMSD

Hexagonal 1.25 mm

1,25mm · Stainless Steel

ZPlus block key

Platf.	Length (L)	Reference
ZPlus	90.00	01MOHW

Hexagonal 2.4 mm

Stainless Steel

RATCHETS

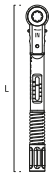
Implant ratchet

Platf.	Length (L)	Reference
Universal	69.80	RATC50

Square 4x4 m

Stainless Steel · Grade 5 ELI Titanium

Adjustable torque wrench



Platf.	Length (L)	Reference
Universal	86.80	TORK50

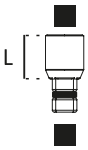
Square 4x4 mm

Nm 10 20 30 40 50 60 70 · Stainless Steel

Complementary instruments

ADAPTERS

Ratchet extension



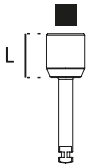
Platf.	Length (L)	Reference
Universal	7.20	LAEX

■ Square 4x4 mm

Stainless Steel

NOT included in the surgical box.

Ratchet to CA adaptor



Platf.	Length (L)	Reference
Universal	7.20	MAEX

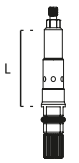
■ Square 4x4 mm

Stainless Steel

NOT included in the surgical box.

IMPLANTS MOUNT

Implants mount. Ratchet



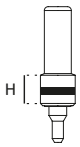
Platf.	Length (L)	Reference
●	15.70	MOUNT1
●●	15.70	MOUNT2

Stainless Steel

NOT included in the surgical box.

LABORATORY TEST KIT

Laboratory test kit



Platf.	Height (H)	Reference
●	3.65	ZLAB20
●●	3.65	ZLAB34

ROT

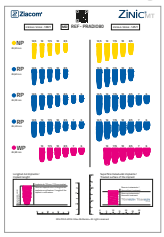
Grade 5 ELI Titanium

This product does not supersede the need for careful planning of each clinical case.

NOT included in the surgical box.

RADIOGRAPHIC TEMPLATE

Zinc® MT radiographic template



Platf.	Model	Reference
●●●	Zinic® MT	PRADI080

Scales 1:1 and 1:1.25

Material: transparent acetate. Non-sterilisable material.

See the literature available at **www.ziacom.com/biblioteca**

ZiNiC®MT

Prosthetic instruments

Prosthetic instruments

Prosthetic box

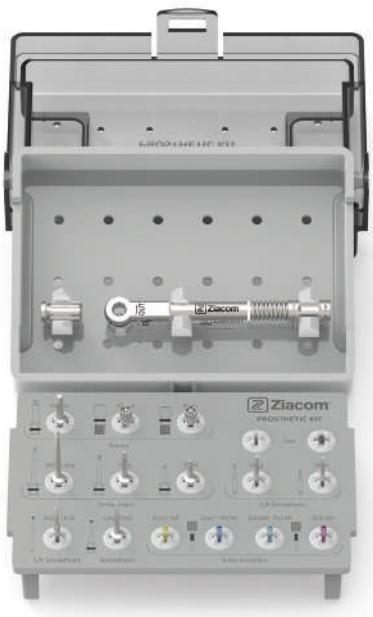
Contents of prosthetic boxes available

Contents	Reference
Empty	BOXPN
Basic	BOXPSN
Complete	BOXPCN

134°

Material: Radel.

Ensure boxes do not touch the walls of the autoclave to avoid damage.



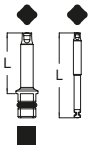
Contents of prosthetic boxes

REF	Description	BOXPSN	BOXPCN
LOSD01	Kirator insert key. Ratchet	●	○
MABA100	Basic insert key. Short. Ratchet. Grade 5 ELI titanium	●	○
MABA200	XDrive insert key. Short. Ratchet. Grade 5 ELI titanium	●	○
MADW10	Screwdriver adapter handle. 4x4. Manual	●	○
SMSD1	Screwdriver tip. Ø1.25 mm. Short. Ratchet	●	○
LMSD1	Screwdriver tip. Ø1.25 mm. Long. Ratchet	●	○
XLMSD1	Screwdriver tip. Ø1.25 mm. Extralong. Ratchet		○
MESD	Screwdriver tip. Ø1.25 mm. Long. CA.	●	○
MESD01	Screwdriver tip. Ø1.25 mm. Short. CA.	●	○
MESDTX	Tx30 screwdriver tip. Long. CA.	●	○
LMSD1TX	Tx30 screwdriver tip. Long. Ratchet	●	○
EDSZ20 *	ZPlus extractor screw. Zinic®. NP. Grade 5 ELI titanium		○
EDSZ34 *	ZPlus extractor screw. Zinic®. RP/WP. Grade 5 ELI titanium		○
EDSG34	Abutment extractor screw. Galaxy/ZV2. RP. Grade 5 ELI titanium		○
EDSG50 *	Abutment extractor screw. ZV2. WP. Grade 5 ELI titanium		○
TORK50	Regulable torque wrench. 10/20/30/40/50/60/70 Ncm	●	○

*** Product not included in the Zinic® MT system.**

KEYS

Kirator insertion key



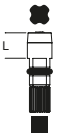
System	Length (L)	Reference
Kirator	13.60/Ratchet/Manual	LOSD01
	20.00/CA	LOSD02 *

◆ Square 2.11 mm / ■ Square 4x4 mm

Kirator · Stainless Steel

* Ref. LOSD02 is NOT included in the prosthetic box.

Basic insertion key. Ratchet



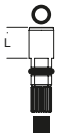
System	Length (L)	Reference
Basic	5.00/Short	MABA100
	13.00/Long	MABA110 *

✱ Basic / ■ Square 4x4 mm

Basic · Grade 5 ELI Titanium · Stainless Steel

* Ref. MABA110. is NOT included in the prosthetic box.

XDrive insertion key. Ratchet



System	Length (L)	Reference
XDrive	6.00/Short	MABA200
	13.00/Long	MABA210 *

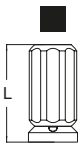
○ XDrive / ■ Square 4x4 mm

XDrive · Grade 5 ELI Titanium · Stainless Steel

* Ref. MABA210. is NOT included in the prosthetic box.

SCREWDRIVERS

Screwdriver adapter handle

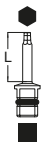


Platf.	Length (L)	Reference
Universal	15.50	MADW10

■ Square 4x4 mm

Stainless Steel

Screwdriver tip. Ratchet



Platf.	Length (L)	Reference
Universal	9.50/Short	SMSD1
	14.50/Long	LMSD1
	27.00/Extralong	XLMSD1

■ Square 4x4 mm

1,25mm · Stainless Steel

Screwdriver tip. CA

Platf.	Length (L)	Reference
Universal	20.00/Short	MESD01
	25.00/Long	MESD

1,25mm · Stainless Steel

Tx30 screwdriver tip. CA

System	Length (L)	Reference
Tx30	26.00/Short	MESD01TX *
	32.00/Long	MESDTX

Stainless Steel

Do not exceed 30 Ncm as it could cause severe damage to the screwdriver and screw.

* Ref. MESD01TX is NOT included in the prosthetic box.

Tx30 screwdriver tip. Ratchet

System	Length (L)	Reference
Tx30	12.00/Short	SMSD1TX *
	18.00/Long	LMSD1TX

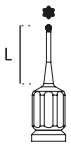
■ Square 4x4 mm

Stainless Steel

Do not exceed 30 Ncm as it could cause severe damage to the screwdriver and screw.

* Ref. SMSD1TX is NOT included in the prosthetic box.

Tx30 prosthetic screwdriver. Manual



System	Length (L)	Reference
Tx30	12.00/Short	SMSDTX *
	18.00/Long	LMSDTX *

Stainless Steel

Do not exceed 30 Ncm as it could cause severe damage to the screwdriver and screw.

* Ref. SMSDTX/LMSDTX are NOT included in the prosthetic box.

Prosthetic instruments

EXTRACTOR SCREW

ZPlus extractor screw

Platf.	Length (L)	Reference
●	25.00	EDSZ20
●●	23.70	EDSZ34

Anodised ■ NP ■ RP/WP

1,25mm | M1,60 | M1,80 | Grade 5 ELI Titanium

Galaxy/ZV2 abutment extractor screw

Platf.	Length (L)	Reference
■	25.00	EDSG34 *
■	26.80	EDSG50 *

Anodised ■ RP ■ WP

1,25mm | M1,60 | M2,00 | Grade 5 ELI Titanium

*** Product not included in the Zinic® MT system.**

RATCHETS

Regulable torque wrench

Platf.	Length (L)	Reference
Universal	86.80	TORK50

■ Square 4x4 mm

Nom 1.0 2.0 3.0 4.0 5.0 | Stainless Steel

Complementary instruments

CA to ratchet adapter

Platf.	Length (L)	Reference
Universal	12.00	MC10Z

■ Square 4x4 mm

Stainless Steel

NOT included in the prosthetic box.

Extractor + Retainer inserter handle

Platf.	A Length (L)	B Length (L)	Reference
Kirator ZM-Equator	81.50	110,40	MBEI3610

Plastic | Stainless Steel

NOT included in the prosthetic box.

Retainer inserter

Platf.	Length (L)	Reference
Kirator	32.00	MBEI3602
ZM-Equator	32.00	MBEI3603

Stainless Steel

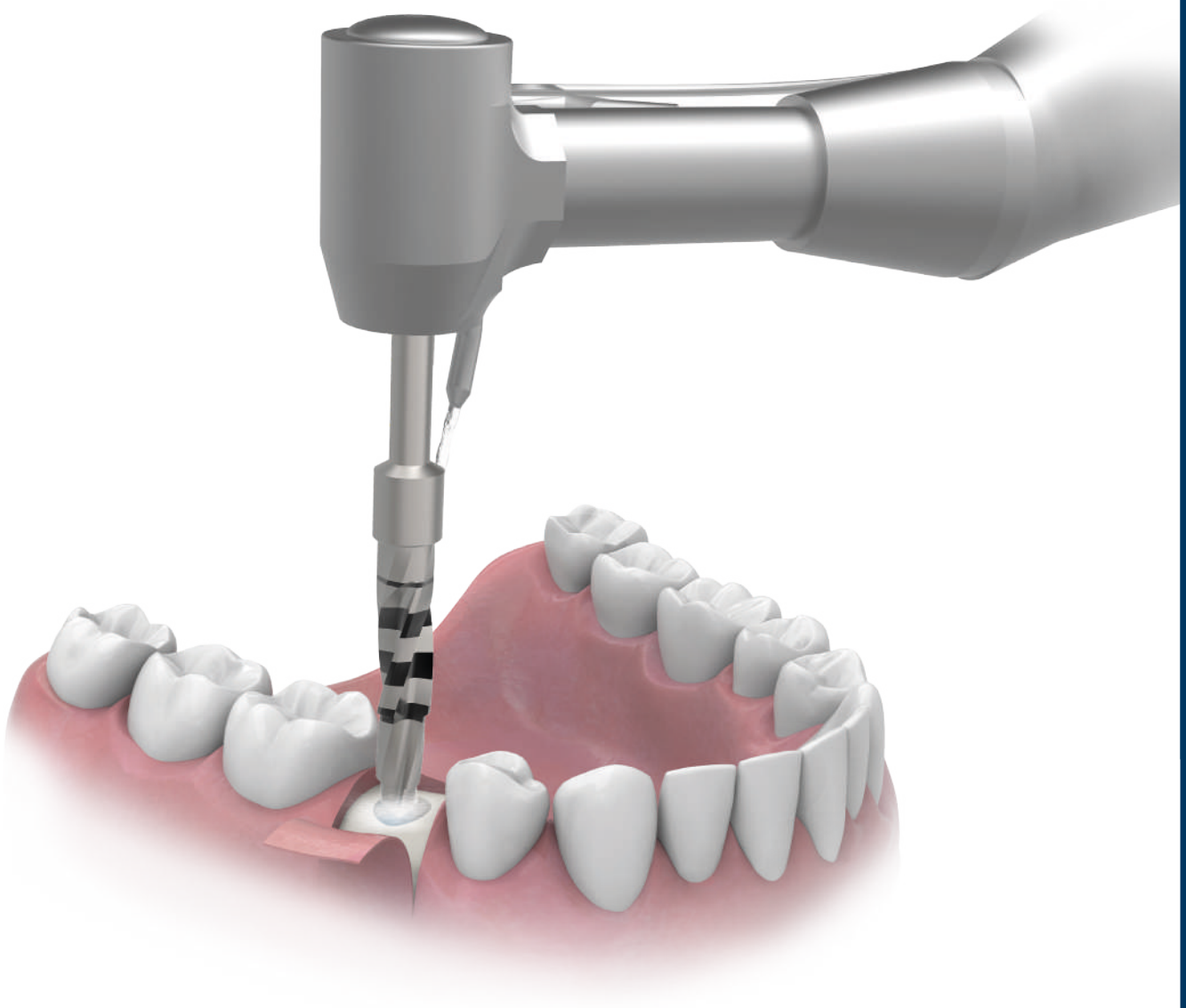
Kirator / ZM-Equator plastic coping insertion tool.
NOT included in the prosthetic box.

Retentive joints instruments

Platf.	Measure	Reference
Universal	2x1	RREI0030

Pack of 10 units.

Simplified surgical protocol

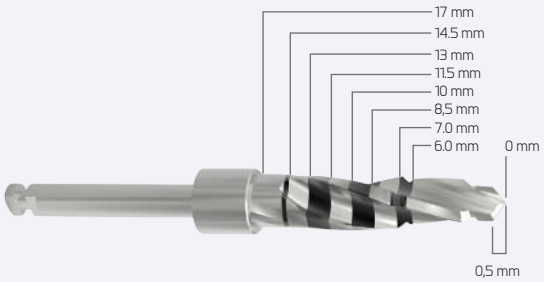


Simplified surgical protocol

Characteristics of the Zinic® MT drilling system

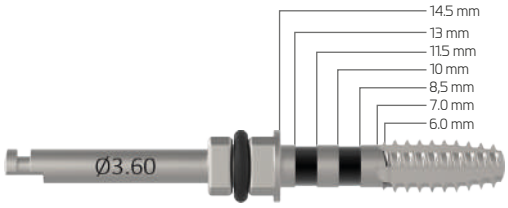
Ziacom® drill system

Ziacom® implant system drills are made from stainless steel. A laser marking on the bur's shank identifies its inner and outer diameters and its length, while the horizontal laser marked bands on the active section corresponds to the different lengths of the implants (drills graduated in mm). The bur tip is 0.5 mm long and is not included in the laser marked measurements.



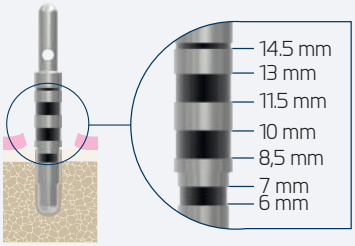
Ziacom® taps

Taps are available for contra-angle handpieces. The laser marking on the tap's shank identifies its diameter, while the horizontal laser marked bands on the active section corresponds to the different lengths.



Probe

Check the depth of the surgical site, especially when not using drill stops. To check the surgical bed axis, the paralleling pins are available in different diameters according to the drilling sequence.



Short and long insertion tools for ratchets and contra-angle handpieces

The insertion tool for contra-angle handpieces or ratchets has been designed for transporting implants from their No Mount vial to the surgical site ready for insertion.

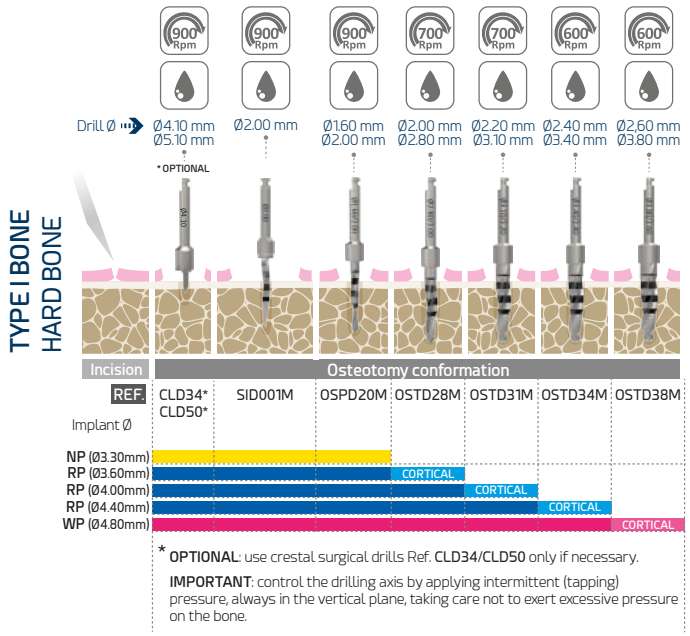
ZPlus

Zinic®

Drilling protocol - ZPlus / Ziacom® No Mount

Rotation | Irrigation required | Ø Drill diameter | Torque

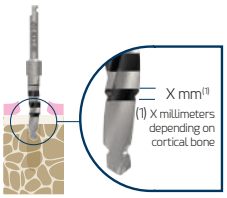
The specified speeds are recommended



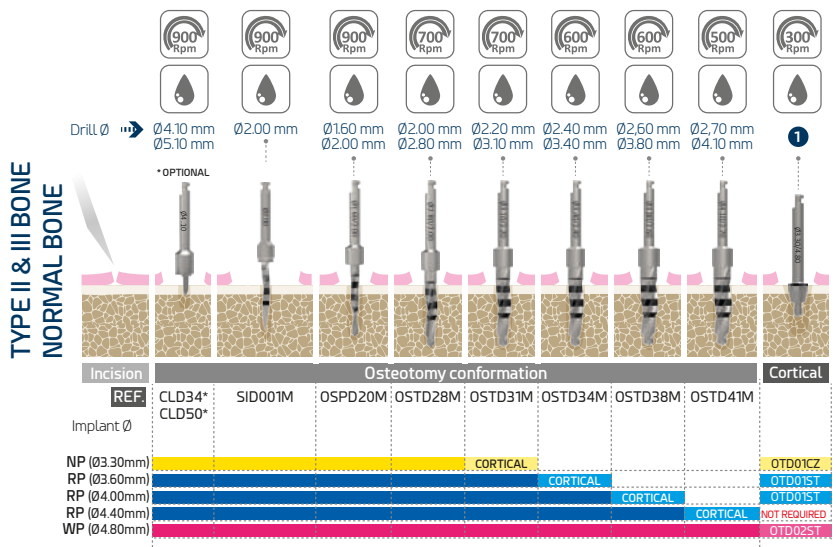
* **OPTIONAL**: use crestal surgical drills Ref. **CLD34/CLD50** only if necessary.

IMPORTANT: control the drilling axis by applying intermittent (tapping) pressure, always in the vertical plane, taking care not to exert excessive pressure on the bone.

CORTICAL DRILLING



Whenever the protocol indicates CORTICAL, drilling to the depth corresponding to the cortical bone thickness is recommended on a case-by-case basis.



* **OPTIONAL**: use crestal surgical drills Ref. **CLD34/CLD50** only if necessary.

Consider increasing the drilling speed by 200 Rpm with respect to those indicated in the graph above.

IMPORTANT: control the drilling axis by applying intermittent (tapping) pressure, always in the vertical plane, taking care not to exert excessive pressure on the bone.

CORTICAL DRILL USAGE

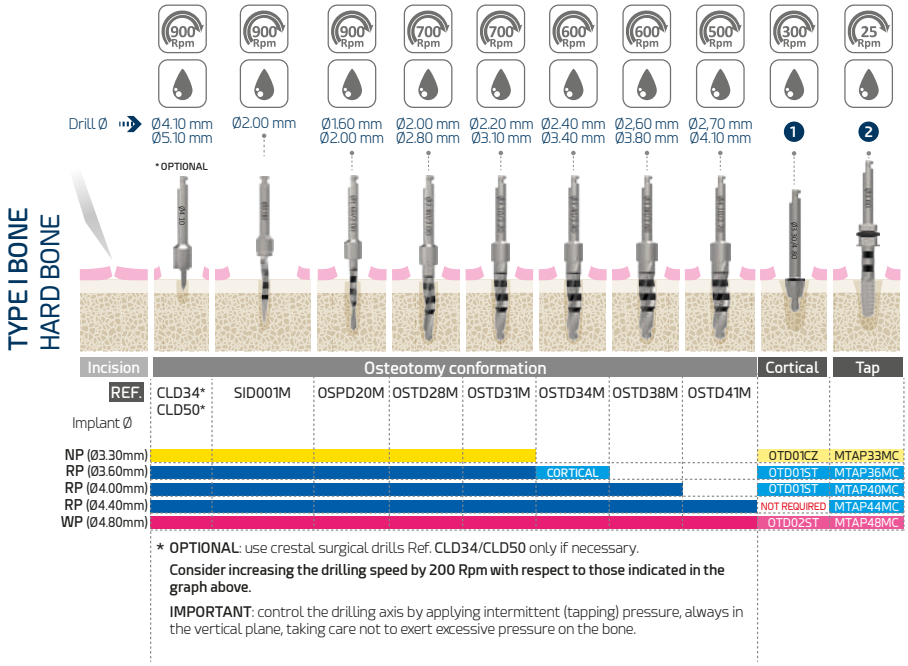
Cortical drill usage will be compulsory whenever this is indicated in the protocol and will depend on bone type.

Simplified surgical protocol

Drilling protocol - ZPlus / Ziacom® No Mount

XX Rpm Rotation | Irrigation required | Ø Drill diameter | XX Ncm Torque

The specified speeds are recommended

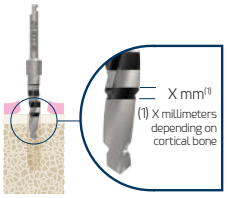


* **OPTIONAL**: use crestal surgical drills Ref. **CLD34/CLD50** only if necessary.

Consider increasing the drilling speed by 200 Rpm with respect to those indicated in the graph above.

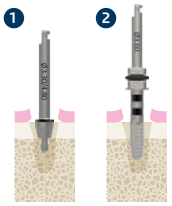
IMPORTANT: control the drilling axis by applying intermittent (tapping) pressure, always in the vertical plane, taking care not to exert excessive pressure on the bone.

CORTICAL DRILLING



Whenever the protocol indicates CORTICAL, drilling to the depth corresponding to the cortical bone thickness is recommended on a case-by-case basis.

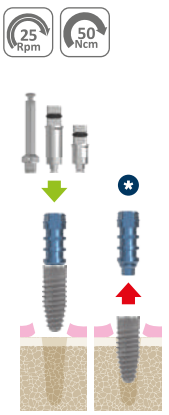
CORTICAL DRILL AND SURGICAL TAP USAGE



Cortical drill and surgical tap usage will be compulsory whenever this is indicated in the protocol and will depend on bone type.

Implant insertion - ZPlus

Insertion

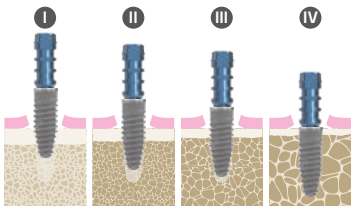


Insertion

XSMIN / TSMIN
TLMIN / 1MMINX
02MMIN

Removing the mount

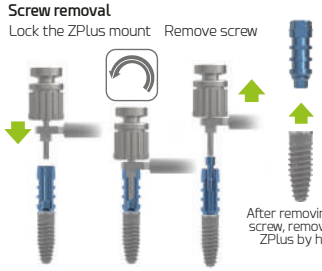
Insertion point at which to remove the mount according to bone type



Type I	1/2 insertion
Type II	3/4 insertion
Type III	4/5 insertion
Type IV	Complete insertion

Screw removal

Lock the ZPlus mount Remove screw



REF. SMSD/LMSD with 01MOHW

IMPORTANT

Important: if the ZPlus has seized on the implant, use the extractor screw to remove it: with **NP** platform, use Ref. **EDSZ20** and with **RP/WP** platform, use Ref. **EDSZ34**

Recommendations for ZPlus Mount

In the event of galling or cold welding between the **ZPlus** mount and the implant after insertion, do not handle the mount with instruments in a way that could reduce primary stability. Use only the Ziacom® extractor screw Ref. **EDSZ20** (NP) or **EDSZ34** (RP/WP).

On inserting the extractor screw (using a 1.25-mm screwdriver and manual torque) in a clockwise direction, the apex makes contact with the implant, unlocking the mount and releasing it for removal.

Direct insertion

Insertion

SMZ / LMZ
MMZ / MMZA (NP)

SMZ1 / LMZ1
MMZ1 / MMZ1A (RP/WP)

Implant insertion - Ziacom® No Mount

About Ziacom® No Mount

Ziacom® implants are available without a mount. This blister pack format allows dentists to comfortably remove the implant from the vial and place it in the surgical site using a direct instrument in one single step, thereby saving time during the operation. The No Mount implant facilitates instrumentation in reduced spaces and allows better visibility of the surgical site.

The new direct-to-implant Zinic® insertion keys with Ref. **SMZ/LMZ/MMZ/MMZA** (**NP**) and **SMZ1/LMZ1/MMZ1/MMZ1A** (**RP**/**WP**) have a centring device on their rotatory part to avoid damaging the connection and a washer on the active end to allow the implant to be quickly and safely moved to the surgical site.

Direct insertion

Insertion

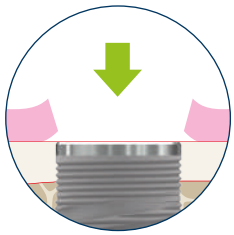
SMZ / LMZ
MMZ / MMZA (NP)

SMZ1 / LMZ1
MMZ1 / MMZ1A (RP/WP)

Crestal placement

The Ziacom® implant platform should be placed at bone crest level.

RECOMMENDED
subcrestal position



Bone types

Lekholm and Zarb classification (1985)

TYPE IV BONE - SOFT BONE

- Thin cortical layer surrounding a low-density trabecular bone.

TYPE II & III BONE - MEDIUM BONE

- Type II: thick layer of compact bone surrounding a dense trabecular bone.
- Type III: thin cortical layer surrounding a dense trabecular bone.

TYPE I BONE - HARD BONE

- Composed almost entirely of homogeneous compact bone.

Simplified surgical protocol

General recommendations

Consider during intervention

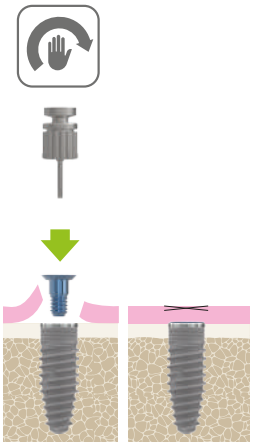
Surgical drills must be inserted into the contra-angle handpiece with the motor stopped, ensuring that they are seated and rotate properly before starting drilling. Treat drills with the utmost care; the slightest damage to the tips could compromise their effective operation.

Each instrument should only be used for the specific use recommended by the manufacturer.

Damaged instruments must be disposed of according to local regulations.

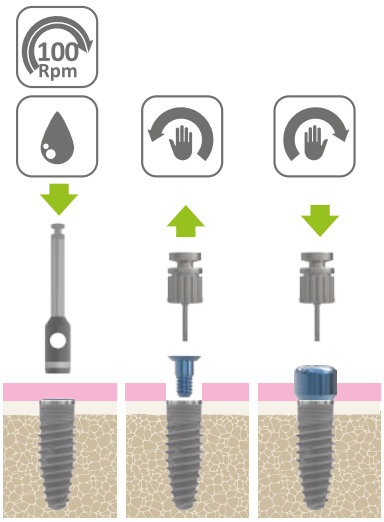
Implantologists should keep one of the identification labels supplied with the product in the patient's file so that it may be traced correctly.

Handling of cover screw



Remove the cover screw from its vial using the hex screwdriver in a counter-clockwise direction. Move the cover screw towards the implant while taking care not to drop it and cause its accidental ingestion. Insert the cover screw into the implant and tighten it using manual torque in a clockwise direction.

Preparation for second surgical phase



Placement of healing abutment

The healing abutment should correspond to the implant platform, considering the option of applying the platform switch technique with anatomical abutments and be in accordance with the height of the gingival tissue to avoid abutment occlusion. Excessive height could expose the implant to premature loading, compromising the osseointegration process.

IMPORTANT WARNINGS

About implant insertion

Excessive compression of the bone can lead to failure of implant osseointegration.

Failure to follow the steps described in the surgical sequence may result in:

- Lack of primary stability due to loss of supporting bone.
- Difficulties during implant insertion.

Exceeding the torque (50 Ncm) when inserting the implant may result in:

- Irreversible deformation of the implant's internal/external connection.
- Irreversible deformation of the implant insertion instrument.
- Difficulty disassembling the instrument/implant assembly.

Maximum insertion torque and speed

The recommended insertion torque ranges from **35** to **50 Ncm**, according to each case, and is not limited to a single torque.

The implant should be inserted with controlled torque based on the bone density and quality of the implant placement site:

Without partial or complete **disassembly of the implant Mount**, in **type III** and **IV bone, respectively**, with recommended torque of **35** to **50 Ncm** to avoid deformation of the Mount or cold welding between the Mount and the implant.

With partial or complete **disassembly of the implant Mount** and using a direct-to-implant key, in **type I** and **II bone**, respectively, with recommended torque of **35** to **50 Ncm** to avoid deformation of the connection and excessive bone compression.

Insertion instrument or CA screwdrivers: use a maximum speed of:

Zinic® MT implants

The Ziacom® surgical protocol establishes the crestal position of the implant platform.

To avoid cortical stress and deformation of the key and/or implant connection, and also to avoid galling between the implant and the Mount, the recommended maximum speed (**25 Rpm**) and maximum torque (**50 Ncm**) must be respected when inserting with a contra-angle (CA) handpiece.

When using a ratchet, it is necessary to monitor resistance during insertion. If there is any resistance, the implant should be removed by turning it twice (to release the bone from the tension created and free the thread) and then, after a few seconds, the implant should be inserted again, repeating this process as many times as is necessary.

Always consult the surgical and prosthetic protocols published in this catalogue, as well as the other documents available in the "Reference literature" section of our website **www.ziacom.com/biblioteca** which explained the procedures, protocols and instructions for use before using the Zinic® MT system by Ziacom®.

Cleaning, disinfection and sterilisation

Cleaning, disinfection and sterilisation

The protocols described in this section must only be carried out by personnel qualified to clean, disinfect and sterilise the dental materials specified here in.

Cleaning and disinfection instructions

Applicable for instruments, surgical and prosthetic boxes and plastic retainer caps.

Disassembly

1. Dismount* the appropriate instruments, for example manual ratchets, drills or drill stops.
2. Remove the various components from the surgical or prosthetic box for correct cleaning.

Cleaning and disinfection

For disinfecting instruments and surgical boxes:

1. Submerge the instruments in a detergent/disinfectant solution** suitable for dental instruments to help eliminate any adhered biological residues. If an ultrasound bath is available***, confirm that the detergent/disinfectant solution is indicated for use with this type of equipment.
2. Manually remove any biological residues with a non-metallic brush and pH-neutral detergent.
3. Rinse with copious water.
4. When cleaning the surgical and prosthetic boxes, always use a pH-neutral detergent and non-abrasive utensils to avoid damaging the surface of the boxes.
5. Dry the materials with disposable cellulose, lint-free clothes or compressed air.

For disinfecting plastic caps and spacers:

1. Submerge in a neat benzalkonium chloride solution for 10 minutes.
2. Rinse with distilled water.
3. Dry the caps and spacer before use.

Inspection

1. Check that the instruments are perfectly clean; if not, repeat the cleaning and disinfection steps.
2. Discard any instruments with imperfections and replace them before the next procedure.
3. Check that the instruments and the surgical and prosthetic boxes are perfectly dry before reassembling the parts and proceeding to their sterilisation.

* See the assembly disassembly manuals at **www.ziacom.com/biblioteca**

** Follow the instructions from the disinfectant's manufacturer to determine the correct concentrations and times.

*** Follow the instructions from the ultrasound bath's manufacturer to determine the correct temperature, concentration and times.

Sterilisation instructions for steam autoclave

Applicable to orthodontic implants, abutments, and surgical and prosthetic instruments and boxes.

1. Introduce each material separately in individual sterilisation bags, then seal the bags. For joint sterilisation, place the instruments in their surgical box, introduce the box into a sterilisation bag and seal the bag.
2. Place the bags to be sterilised in the autoclave.
3. Sterilise in a steam autoclave at 134°C/273°F (max. 137°C/276°F) for 4 min (minimum) and at 2 atm. Torque wrenches must be sterilised in 3 vacuum cycles at 132°C/270°F for a minimum of 1.5 minutes and vacuum-dried for a minimum of 20 minutes.

For the United States only: The validated and recommended sterilisation cycle for the US must be performed in a steam autoclave at 132°C/270°F for at least 15 min and with the drying time of at least 15 - 30 min.

IMPORTANT
Make sure the drying stage is allowed to run to completion, otherwise the products may be damp.
Check the sterilisation equipment if the materials or sterilisation bags are damp at the end of the sterilisation cycle.
Perform the necessary maintenance actions on the autoclave according to the established periodicity and following the manufacturer's instructions.

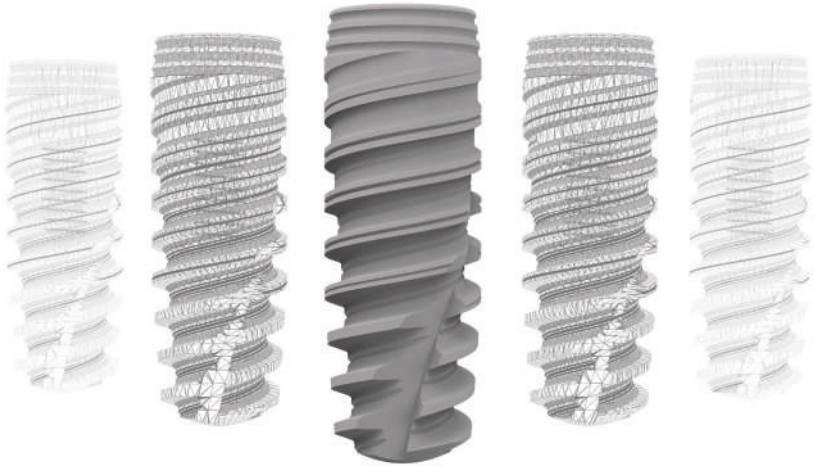
Storage of Ziacom® products

- Store the products in their original packaging and in a clean, dry location until they are used.
- After sterilisation, keep the products in the sealed sterilisation bags and in a clean, dry location.
- Never exceed the use by date indicated by the manufacturer of the sterilisation bags.
- Always follow the indications of the manufacturer of the sterilisation bags.

General recommendations

- Never use damaged or dirty material; never reuse single-use products. The user is responsible for following the instructions described in this document correctly.
- The attention to piercing or sharp elements. Gloves should be worn when cleaning the materials to avoid accidents during handling.
- Follow the safety instructions indicated by the manufacturer of the disinfectant agent.
- The product's sterility cannot be guaranteed if the sterilisation bag is open, damaged or damp.
- Respect all stages of the sterilisation process. If the materials or sterilisation bags contain traces of water or moisture, check the autoclave and repeat the sterilisation.
- Orthodontic abutments and implants are supplied UNSTERILISED and must always be sterilised before use.
- Instruments and surgical and prosthetic boxes are supplied UNSTERILISED and must always be sterilised before use and cleaned and disinfected after use.
- The sterilisation, cleaning and disinfection processes gradually deteriorate the instruments. Inspect the instruments thoroughly to detect any signs of deterioration.
- Avoid contact between products made from different materials (steel, titanium, etc.) during the cleaning, disinfection and sterilisation processes.
- Ziacom Medical SL recommends these instructions are implemented for the correct maintenance and safety of their products; accordingly, the company refuses any liability for any damage to the products that could arise if the user applies alternative cleaning, disinfection and sterilisation procedures.

See **www.ziacom.com/biblioteca** for the latest version of the cleaning, disinfection and sterilisation instructions.



Ziacom®

See the latest version of the general conditions of sale on our website **www.ziacom.com**.

Check the availability of each product in your country.

See the latest version of the catalogues available at **www.ziacom.com**.

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