GALAXY

Conical connection implants

Ziacom®

GALAXY

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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.

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.

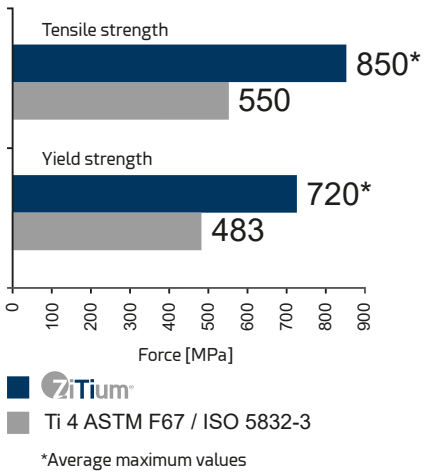
Thanks to our ceaseless endeavours to offer our clients an unsurpassable quality, all our implants have a **lifetime guarantee**.

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

Zitium® titanium

Ziacom® **Galaxy** 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

Ziacom Medical SL

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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**


GALAXY

GALAXY Z

Conical connection implants

Characteristics

CONNECTION

- 11° conical connection with double internal hex.
- Single platform for all diameters.
- Platform switch.

CORTICAL ZONE

- Microrings.
- Inverted cone cortical macro-design.

CONICAL BODY

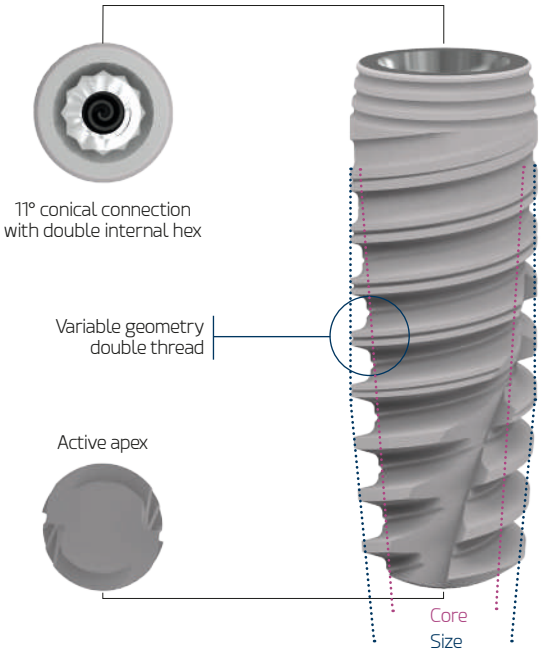
- Double threaded.
- Variable geometry:
  - » Coronal - thick trapezoidal thread.
  - » Middle - thinner trapezoidal thread.
  - » Apex - V-shaped thread.

APEX

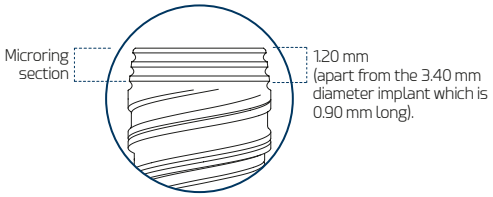
- Oblique apical windows.
- Self-tapping active apex.
- Atraumatic rounded apex.

INDICATIONS

- Bones of very poor quality.
- Immediate loading.
- Immediate postextraction implant placement.
- Aesthetic anterior segment.



Dimensions of the implant's coronal section



Advantages

1. The conical connection prevents micromovement and microfiltration at the implant–abutment interface.
2. The single platform provides a significant simplification of prosthetic procedures.
3. The reverse taper neck mitigates cortical stress during surgery.
4. The thread design confers a very high primary stability even in poor quality bone.
5. The active apex facilitates insertion axis correction in postextraction alveoli.

Diameters and lengths

		LENGTH (L)						
Ø DIAMETER	Ø PLATFORM	6	7	8.5	10	11.5	13	14.5
RP 3.40	2.85							
RP 3.70								
RP 4.00		N 	N 					
RP 4.30		N 	N 					
RP 4.80		N 	N 	N 	N 	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.

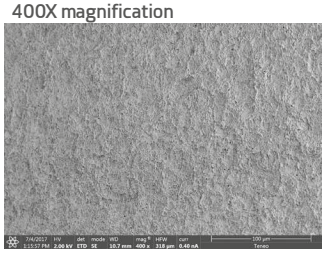
TITANSURE SURFACE ANALYSIS

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.

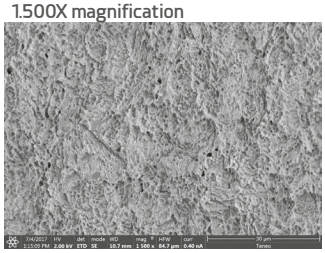
Surface morphology analysis

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.

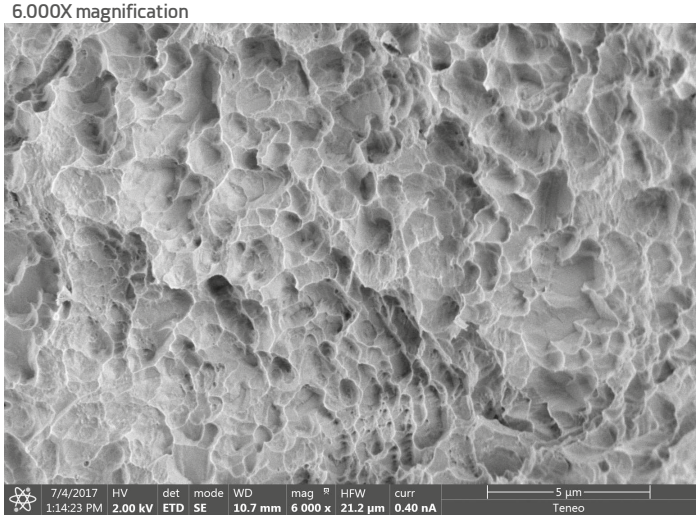
400X magnification



1.500X magnification

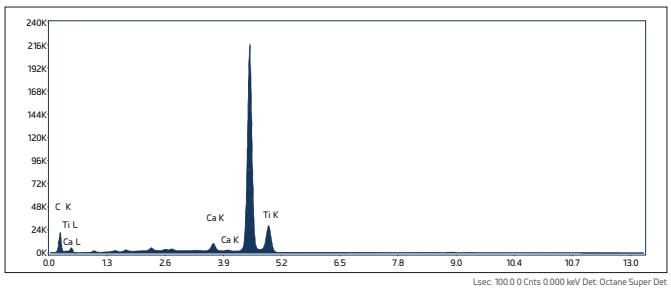


6.000X magnification



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 (%)).

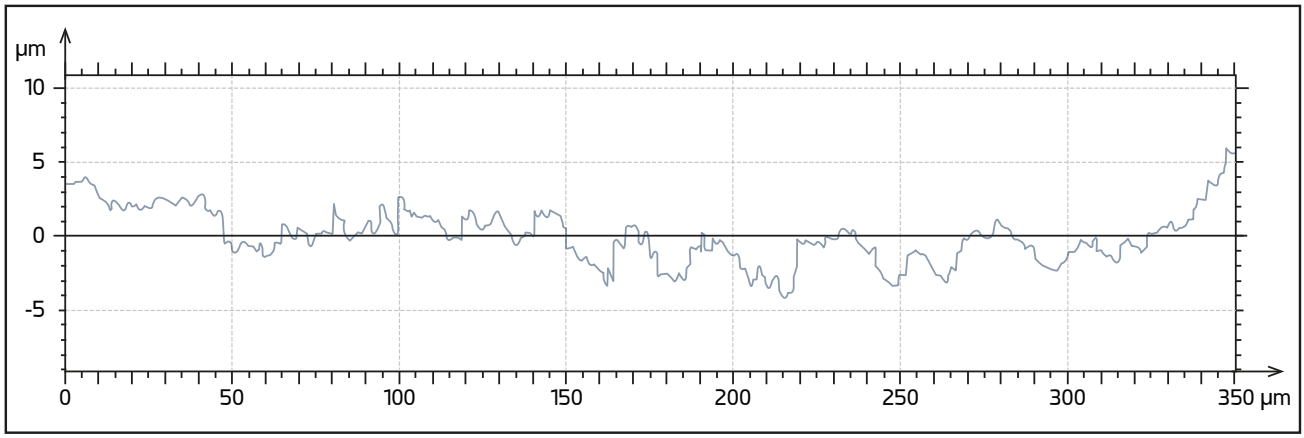
Surface roughness analysis

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 (MgCl2.6H20) 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

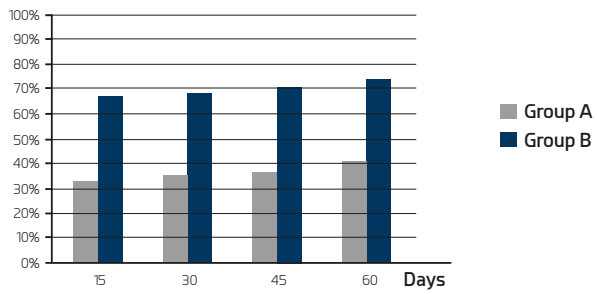
A study was conducted in the tibiae of 10 adult New Zealand rabbits after inserting four implants per rabbit (two in each tibia).

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%



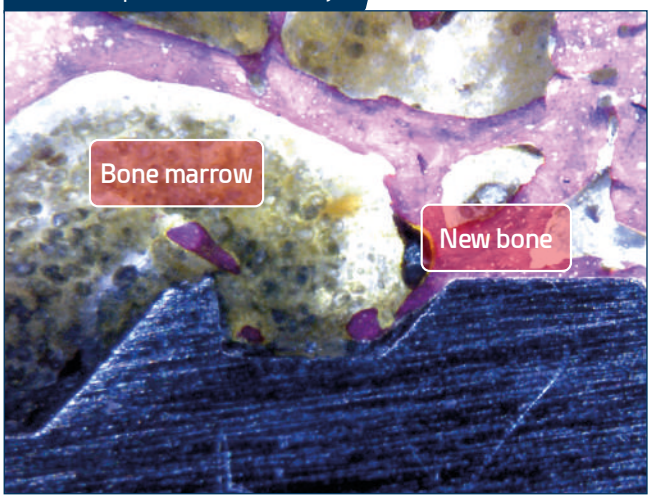
Conclusions

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.

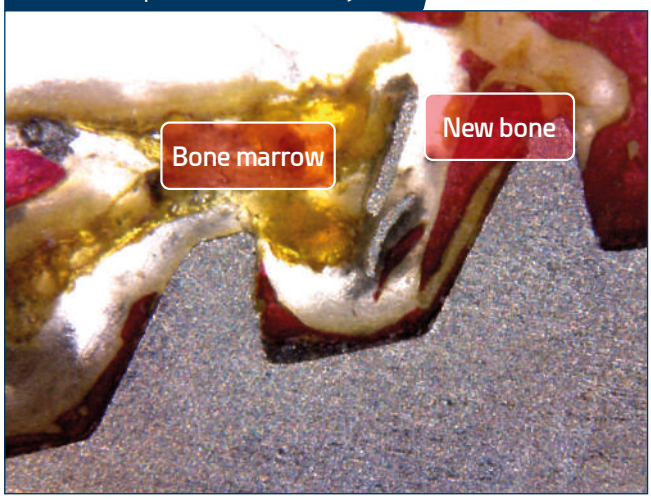
As explained by Dr. Sérgio Alexandre Gehrke, the histologist in charge of the study: "Within the study's limits, data from the histomorphometric analysis of the implants with a BBL-treated surface (78.92 + 0.3%) highlighted a much quicker and more effective osseointegration compared to the control group (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

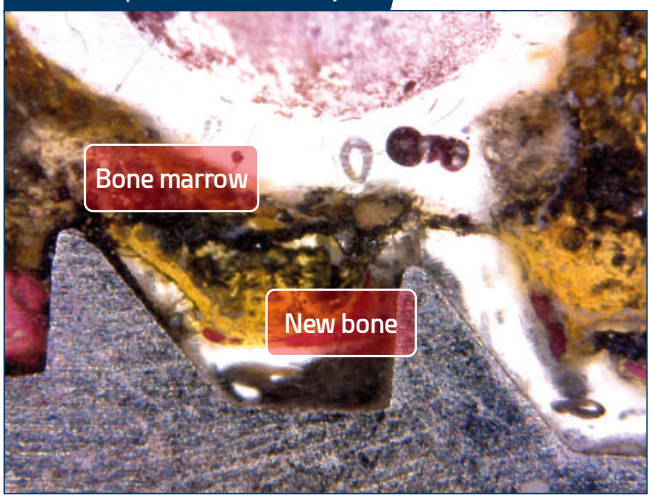
Untreated implant - Evolution at 15 days



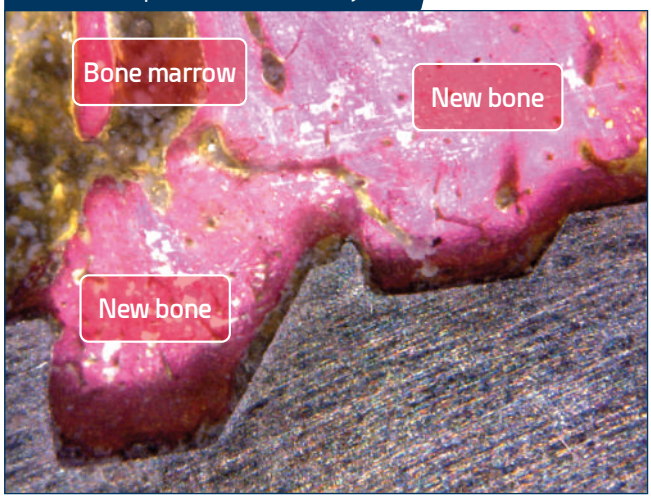
BBL-treated implant - Evolution at 15 days



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

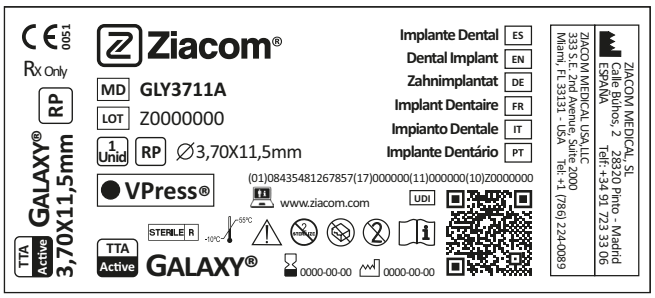
Titansure N Active

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

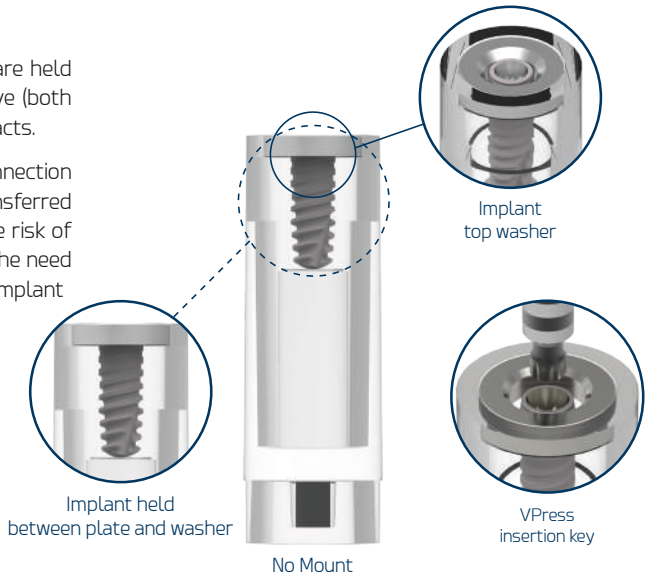
- MDD CE certification and notified body
- MD Name of the medical device
- LOT Number of product batch
- Patient information website
- UDI Unique device identification
- STERILE R Sterilised using radiation
- Temperature restriction
- Caution, consult accompanying documents
- Do not resterilise
- Do 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.

Ziacom® No Mount

Galaxy 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.

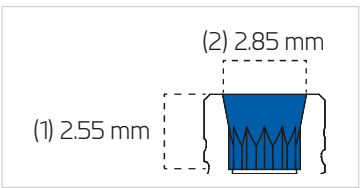
This packaging means that the pressure is applied directly to the connection so the implant can be safely and easily withdrawn from the vial and transferred to the surgical site. Therefore, Ziacom® No Mount implants eliminate the risk of reducing the primary stability caused by over instrumentation, squash the need to handle the implant when removing it from the mount, and simplify implant insertion in posterior areas with limited access.



Galaxy references

	IMPLANT					
	Ø (mm)	Ø Core (mm)	Length (mm)	Ref. Titansure	Ref. Titansure Active	
GALAXY	3.40	2.00/3.15	8.5	GLY3485	GLY3485A	
			10.0	GLY3410	GLY3410A	
			11.5	GLY3411	GLY3411A	
			13.0	GLY3413	GLY3413A	
			14.5	GLY3414	GLY3414A	
	3.70	2.20/3.70	8.5	GLY3785	GLY3785A	
			10.0	GLY3710	GLY3710A	
			11.5	GLY3711	GLY3711A	
			13.0	GLY3713	GLY3713A	
			14.5	GLY3714	GLY3714A	
	4.00	2.40/3.90	6.0	GLY4006	GLY4006A	
			7.0	GLY4007	GLY4007A	
			8.5	GLY4085	GLY4085A	
			10.0	GLY4010	GLY4010A	
			11.5	GLY4011	GLY4011A	
			13.0	GLY4013	GLY4013A	
			14.5	GLY4014	GLY4014A	
	4.30	2.60/4.05	6.0	GLY4306	GLY4306A	
			7.0	GLY4307	GLY4307A	
			8.5	GLY4385	GLY4385A	
			10.0	GLY4310	GLY4310A	
			11.5	GLY4311	GLY4311A	
			13.0	GLY4313	GLY4313A	
			14.5	GLY4314	GLY4314A	
	4.80	2.90/4.40	6.0	GLY4806	GLY4806A	
			7.0	GLY4807	GLY4807A	
			8.5	GLY4885	GLY4885A	
			10.0	GLY4810	GLY4810A	
			11.5	GLY4811	GLY4811A	
			13.0	GLY4813	GLY4813A	

Platform



Single platform for all implants: (1) Height of inner cone (2) Diameter of the working platform

Metric

Unique metric of 1.60

Cover screw*

Platf.	Length (L)	Reference
	5.10	GLYRT

Anodised RP

* Screw included with each implant.

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 inverted trapeziums 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

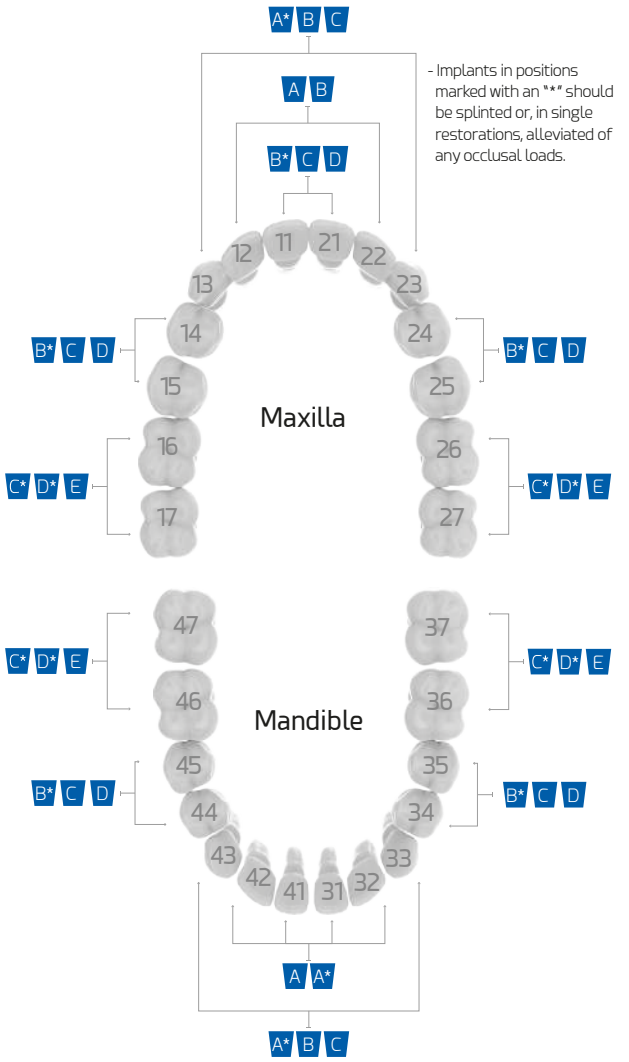
- **IMPLANT SIZE:** identifies the diameter and length of the implant.
- **IMPLANT BODY:** diameter of the implant core.
- **DRILL SIZE:** drill bit diameter.
- **DRILLING TECHNIQUE:** we have developed various drilling protocols to enable you to deal with different situations that arise in a schematic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

Periodontal chart

GALAXY

Implant diameter

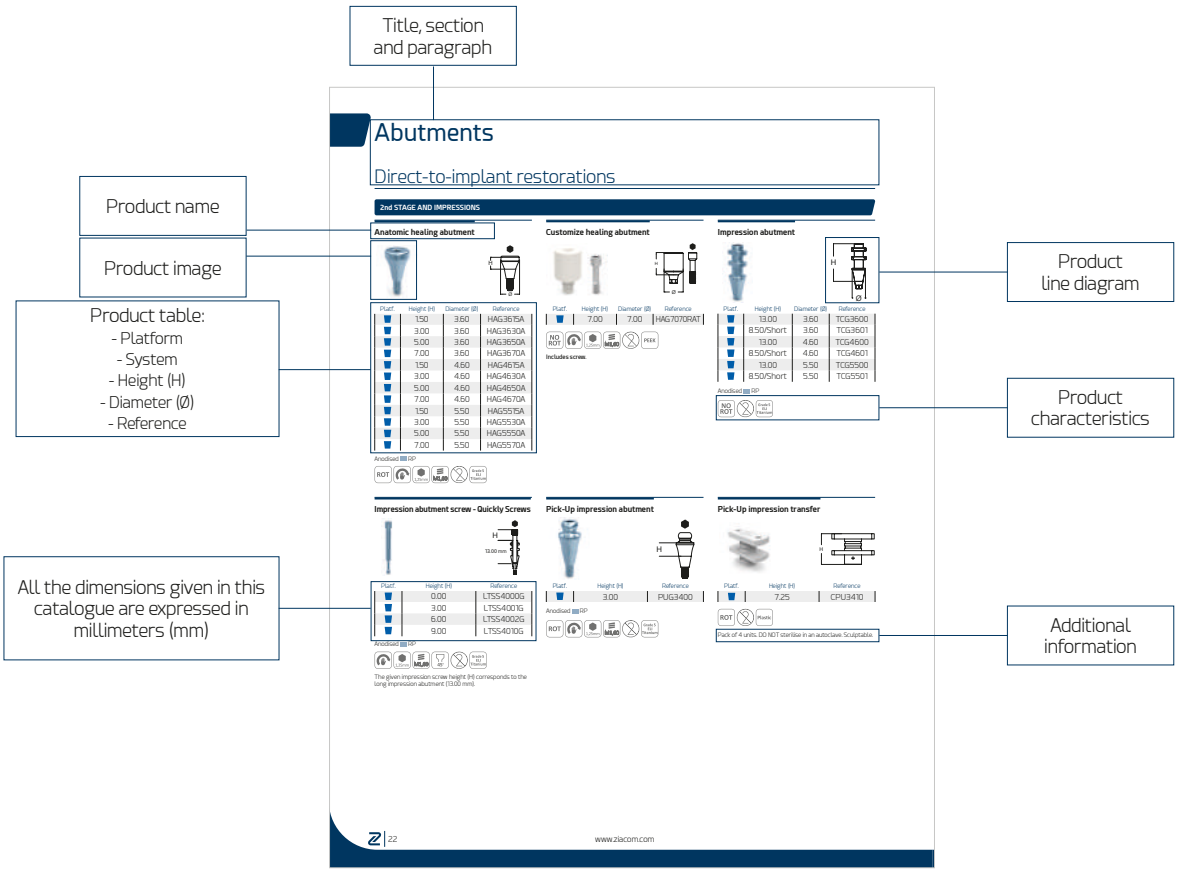
A RP	B RP	C RP	D RP	E RP
Ø3.40 mm	Ø3.70 mm	Ø4.00 mm	Ø4.30 mm	Ø4.80 mm



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 37)
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


GALAXY

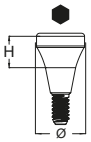
Abutments
Direct-to-implant restorations

Abutments

Direct-to-implant restorations

2nd STAGE AND IMPRESSIONS

Anatomic healing abutment

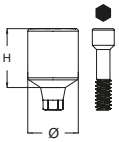


Platf.	Height (H)	Diameter (Ø)	Reference
■	1.50	3.60	HAG3615A
■	3.00	3.60	HAG3630A
■	5.00	3.60	HAG3650A
■	7.00	3.60	HAG3670A
■	1.50	4.60	HAG4615A
■	3.00	4.60	HAG4630A
■	5.00	4.60	HAG4650A
■	7.00	4.60	HAG4670A
■	1.50	5.50	HAG5515A
■	3.00	5.50	HAG5530A
■	5.00	5.50	HAG5550A
■	7.00	5.50	HAG5570A

Anodised ■ RP

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

Customize healing abutment

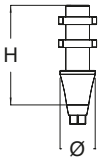


Platf.	Height (H)	Diameter (Ø)	Reference
■	7.00	7.00	HAG7070RAT

NO ROT · 1,25mm · M1,60 · PEEK

Includes screw.

Impression abutment

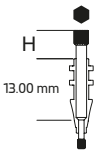


Platf.	Height (H)	Diameter (Ø)	Reference
■	13.00	3.60	TCG3600
■	8.50/Short	3.60	TCG3601
■	13.00	4.60	TCG4600
■	8.50/Short	4.60	TCG4601
■	13.00	5.50	TCG5500
■	8.50/Short	5.50	TCG5501

Anodised ■ RP

NO ROT · Grade 5 ELI Titanium

Impression abutment screw - Quickly Screws



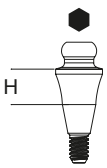
Platf.	Height (H)	Reference
■	0.00	LTSS4000G
■	3.00	LTSS4001G
■	6.00	LTSS4002G
■	9.00	LTSS4010G

Anodised ■ RP

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

The given impression screw height (H) corresponds to the long impression abutment (13.00 mm).

Pick-Up impression abutment

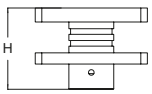


Platf.	Height (H)	Reference
■	3.00	PUG3400

Anodised ■ RP

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

Pick-Up impression transfer

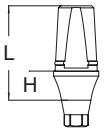


Platf.	Height (H)	Reference
■	7.25	CPU3410

ROT · Plastic

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

Z2Plus Snap-On impression abutment



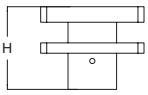
Platf.	Height (H)	Length (L)	Reference
■	3.00	9.50	Z2RPG10

Anodised ■ RP

NO ROT · Grade 5 ELI Titanium

IMPORTANT
Use the laboratory screw to tighten this impression abutment.

Z2Plus Snap-On impression transfer

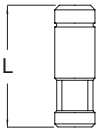


Platf.	Height (H)	Reference
■	8.00	ZPU3400

NO ROT · Plastic

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

Implant analogue



Platf.	Length (L)	Reference
■	12.00	IAG3400

NO ROT · Stainless Steel

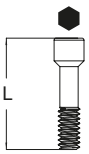
3D implant analogue

Platf.	Length (L)	Reference
■	12.00	IAG3400D

NO ROT · Stainless Steel

FIXING ELEMENTS

Kiran clinical screw

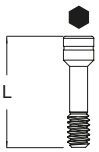


Platf.	Length (L)	Reference
■	8.20	DSG4010

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

Special Kiran screw with surface treatment.

Laboratory screw

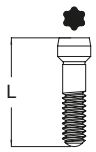


Platf.	Length (L)	Reference
■	8.00	LBG4000

1,25mm · M1,60 · 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
■	7.55	DSG4010TX

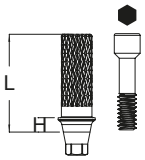
30 Ncm · M1,60 · 45° · Grade 5 ELI Titanium

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

Abutments

PROVISIONAL

Provisional abutment



Rotatory

Platf.	Height (H)	Length (L)	Reference
■	1.50	10.50	RUGT3615
■	3.00	12.00	RUGT3630

Anodised ■ RP

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

Non-rotatory

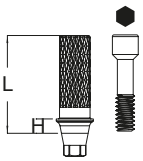
Platf.	Height (H)	Length (L)	Reference
■	1.50	10.50	NUGT3615
■	3.00	12.00	NUGT3630

Anodised ■ RP

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

Provisional abutment

Abutments for aesthetic and immediate loading



Rotatory

Platf.	Height (H)	Length (L)	Reference
■	1.50	10.50	RUGP3615
■	3.00	12.00	RUGP3630

ROT · 30 Ncm · 1,25mm · M1,60 · 45° · PEEK

Non-rotatory

Platf.	Height (H)	Length (L)	Reference
■	1.50	10.50	NUGP3615
■	3.00	12.00	NUGP3630

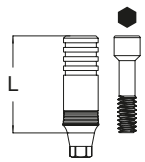
NO ROT · 30 Ncm · 1,25mm · M1,60 · 45° · PEEK

All provisional abutments come with an anodised screw.

SCREWED

■ MECHANISED BASE UCLA

Mechanised base abutment
+ Castable abutment



Rotatory

Platf.	Length (L)	Reference
■	10.60	BRUG36

ROT · 30 Ncm · 1,25mm · M1,60 · 45° · Co-Cr +castable

Non-rotatory

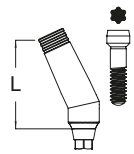
Platf.	Length (L)	Reference
■	10.60	BNUG36

NO ROT · 30 Ncm · 1,25mm · M1,60 · 45° · Co-Cr +castable

All mechanised base UCLA abutments come with a special Kiran screw with surface treatment Ref. DSG4010.

■ 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	BRUG36TX

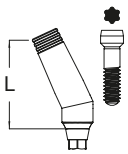
ROT · 30 Ncm · M1,60 · 45° · Co-Cr +castable · 15° · 20°

Non-rotatory

Platf.	15° Length (L)	20° Length (L)	Reference
■	11.40	11.20	BNUG36TX

NO ROT · 30 Ncm · M1,60 · 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	BRUG36TX1

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

Non-rotatory

Platf.	20° Length (L)	25° Length (L)	Reference
■	11.20	11.00	BNUG36TX1

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

All Tx30 variable rotation abutments come with a special Kiran Tx30 screw with surface treatment Ref. DSG4010TX.

TX30 VARIABLE ROTATION ABUTMENT

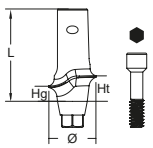
The Tx30 variable rotation abutment comprises a Cr-Co mechanised base that accepts 15°, 20° or 25° angled castable abutments and a Kiran clinical screw with a special Tx30 connection.

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

Anatomic straight abutment

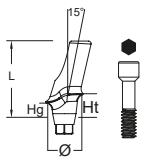


Platf.	Height (Hg/Ht)	Length (L)	Diameter (Ø)	Reference
	1.50/2.50	9.00	3.60	STG3615
	3.00/4.00	10.50	3.60	STG3630
	1.50/2.50	9.00	4.60	STG4615
	3.00/4.00	10.50	4.60	STG4630
	1.50/2.00	8.50	5.50	STG5515
	3.00/3.50	10.00	5.50	STG5530

Anodised RP

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

Anatomic 15° angled abutment

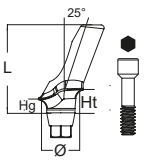


Platf.	Height (Hg/Ht)	Length (L)	Diameter (Ø)	Reference
	1.50/2.50	9.00	3.60	A1G3615
	3.00/4.00	10.50	3.60	A2G3615
	1.50/2.50	9.00	4.60	A1G4615
	3.00/4.00	10.50	4.60	A2G4615

Anodised RP

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

Anatomic 25° angled abutment



Platf.	Height (Hg/Ht)	Length (L)	Diameter (Ø)	Reference
	1.50/2.50	9.00	3.60	A1G3625
	3.00/4.00	10.50	3.60	A2G3625
	1.50/2.50	9.00	4.60	A1G4625
	3.00/4.00	10.50	4.60	A2G4625

Anodised RP

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

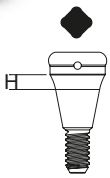
All cemented abutments come with a special Kiran screw with surface treatment Ref. DSG4010.

Direct-to-implant restorations

OVERDENTURE

Kirator

Kirator abutment with applicator



Kirator abutment

Platf.	Height (H)	Reference
	1.00	LOG4010
	2.00	LOG4020
	3.00	LOG4030
	4.00	LOG4040
	5.00	LOG4050
	6.00	LOG4060

Golden surface treatment.

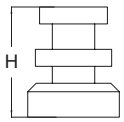
Insertion key Ref. LOSD01/LOSD02.

ROT · 30 Ncm · Kirator · M1,60 · Grade 5 ELI Titanium

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

Related abutments

Kirator impression transfer

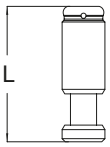


System	Height (H)	Reference
Kirator	6.50	TCRK3400

ROT · Plastic

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

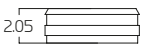
Kirator analogue



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.

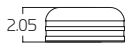
System	Retention (Kg)	Reference
Kirator	Soft/1.20 kg	TPK100
	Standard/1.80 kg	TPK200
	Strong/2.70 kg	TPK300

Pack of 4 plastic Kirator retainer caps.

ROT · Grade 5 ELI Titanium · Plastic

DO NOT sterilise in an autoclave. 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.

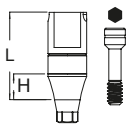
ROT · Grade 5 ELI Titanium · Plastic

DO NOT sterilise in an autoclave. Maximum divergence of 44° between implants.

Example sequence

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

ZiaCam scanbody to implant



Platf.	Height (H)	Length (L)	Reference
■	3.00	10.00	FNSYG41T

Anodised ■ RP

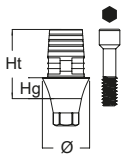
NO ROT · 1,25mm · M1,60 · PEEK · Grade 5 ELI Titanium

Indicated for the clinic.

All ZiaCam scanbody to implant abutments include a screw Ref. LBG4000.

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.

ZiaCam Ti-Base



Rotatory

Platf.	Height (Hg/Ht)	Diameter (Ø)	Reference
■	1.00/5.50	3.80	FRUG305
■	2.00/6.50	3.80	FRUG315
■	3.00/7.50	3.80	FRUG330
■	1.00/5.50	4.40	FRUG405
■	2.00/6.50	4.40	FRUG415
■	3.00/7.50	4.40	FRUG430

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

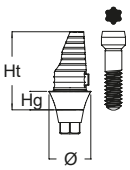
Non-rotatory

Platf.	Height (Hg/Ht)	Diameter (Ø)	Reference
■	1.00/5.50	3.80	FNUG305
■	2.00/6.50	3.80	FNUG315
■	3.00/7.50	3.80	FNUG330
■	1.00/5.50	4.40	FNUG405
■	2.00/6.50	4.40	FNUG415
■	3.00/7.50	4.40	FNUG430

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

All Ti-Base ZiaCam abutments come with a special Kiran screw with surface treatment Ref. DSG4010.

Tx30 ZiaCam Ti-Base



Rotatory

Platf.	Height (Hg/Ht)	Diameter (Ø)	Reference
■	1.00/6.50	3.80	FRUG305TX
■	2.00/7.50	3.80	FRUG315TX
■	3.00/8.50	3.80	FRUG330TX (1)
■	1.00/6.50	4.40	FRUG405TX
■	2.00/7.50	4.40	FRUG415TX
■	3.00/8.50	4.40	FRUG430TX (1)

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

Non-rotatory

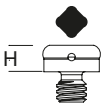
Platf.	Height (Hg/Ht)	Diameter (Ø)	Reference
■	1.00/6.50	3.80	FNUG305TX
■	2.00/7.50	3.80	FNUG315TX
■	3.00/8.50	3.80	FNUG330TX (1)
■	1.00/6.50	4.40	FNUG405TX
■	2.00/7.50	4.40	FNUG415TX
■	3.00/8.50	4.40	FNUG430TX (1)

NO ROT · 30 Ncm · M1,60 · 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. DSG4010TX.

(1) Gingival heights of 3.00 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

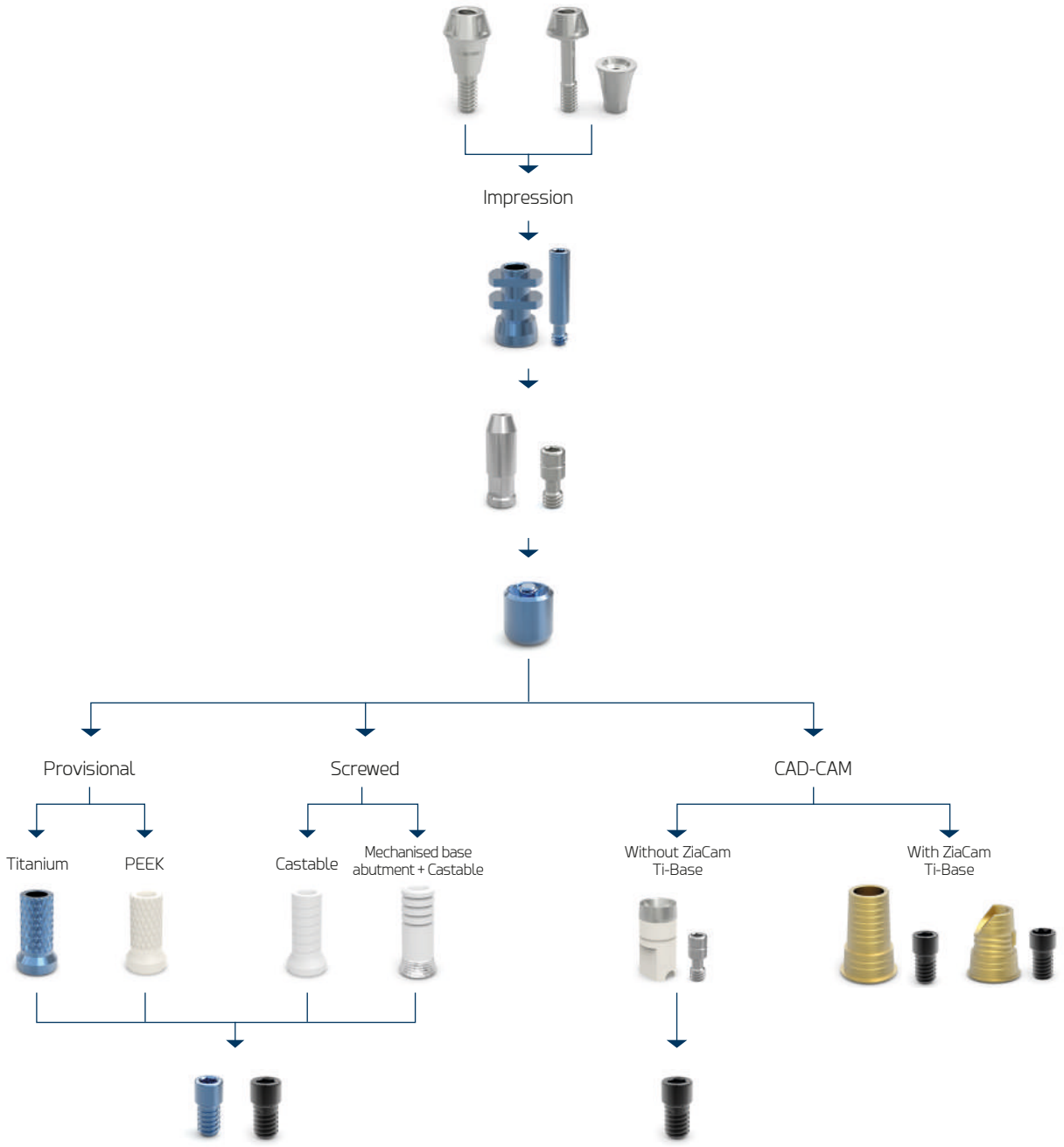

GALAXY

Abutments

Restorations using transepithelials

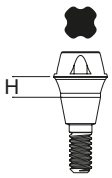
Restorations using transepithelials

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

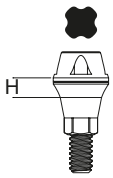


Platf.	Height (H)	Reference
	1.50	BASICG415
	2.50	BASICG425
	3.50	BASICG435
	4.50	BASICG445
	5.50	BASICG455

Insertion key Ref. MABA100/MABA110

ROT · 30 Ncm · Basic · M1,60 · Grade 5 ELI Titanium

Basic abutment



Platf.	Height (H)	Reference
	1.50	BASICG415N
	2.50	BASICG425N
	3.50	BASICG435N
	4.50	BASICG445N
	5.50	BASICG455N

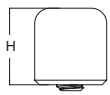
Insertion key Ref. MABA100/MABA110

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

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

Basic abutment with applicator

Basic healing abutment

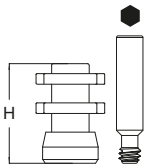


System	Height (H)	Reference
Basic	5.00	BAHAEX34

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

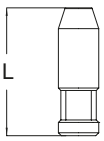
System	Height (H)	Reference
Basic	8.00	BATN134

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

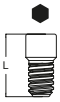
Basic 3D analogue

System	Length (L)	Reference
Basic	13.00	BAIAEX34D

NO ROT · Stainless Steel

Abutments

Basic clinical screw

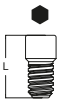



System	Length (L)	Reference
Basic	4.30	BDSEI3400

Anodised ■ RP

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

Kiran Basic clinical screw

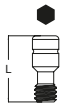



System	Length (L)	Reference
Basic	4.30	BDSEI3410

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.

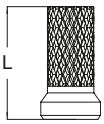
Kiran Tx30 Basic clinical screw


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

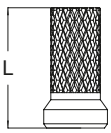



System	Length (L)	Reference
Basic	8.50	BARUT10

Anodised ■ RP

ROT · Grade 5 ELI Titanium

Basic provisional abutment

Rotatory

System	Length (L)	Reference
Basic	8.50	BARUP34

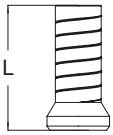
ROT · PEEK

Non-rotatory

System	Length (L)	Reference
Basic	8.50	BANUP34

NO ROT · PEEK

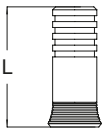
Basic UCLA



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

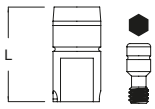
Non-rotatory

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

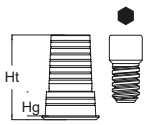
System	Length (L)	Reference
Basic	8.70	FNSYB11NT

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

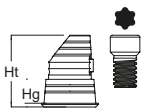
Non-rotatory

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

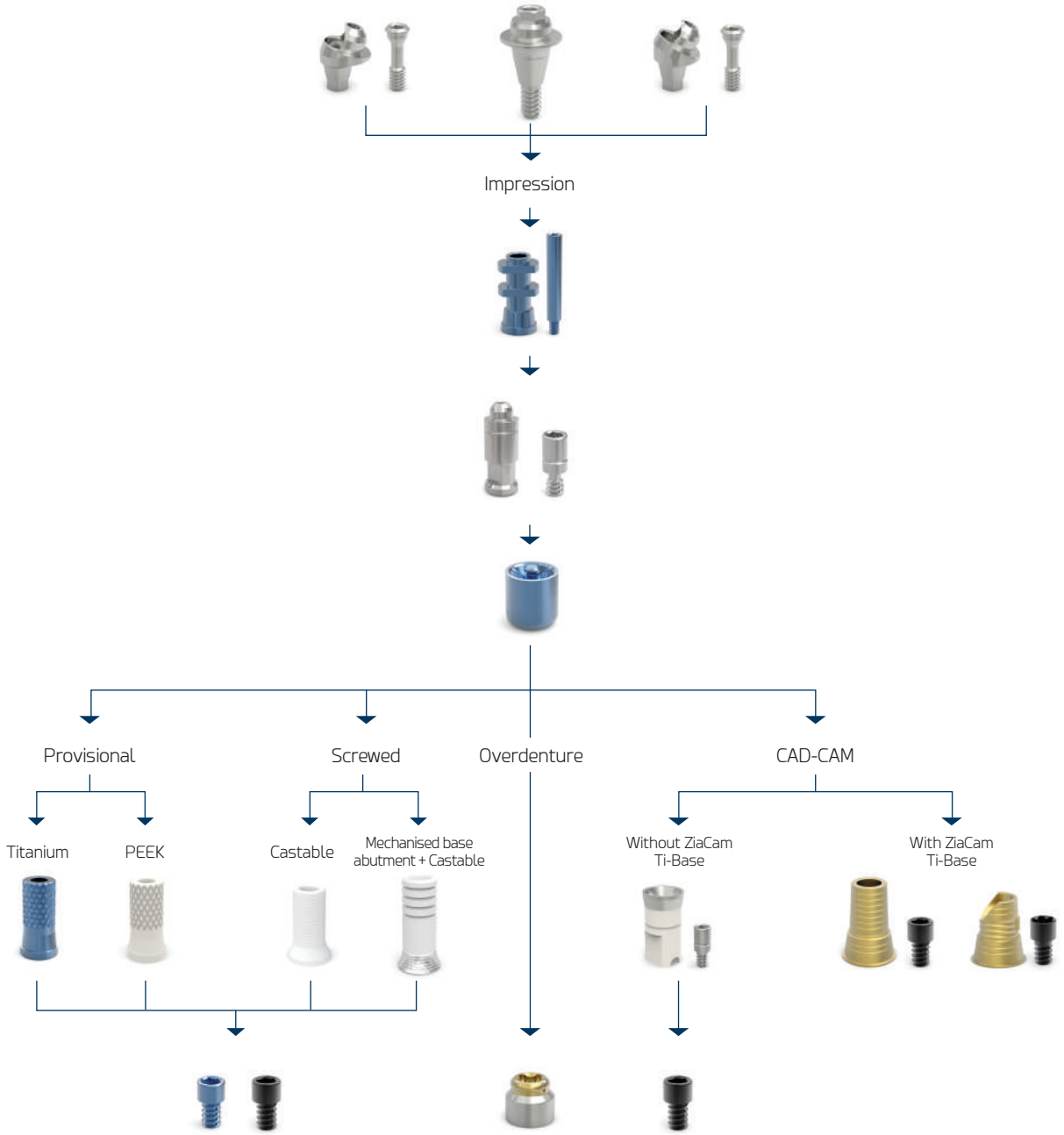
NO ROT · 25 Ncm · M1,80 · 45° · Grade 5 ELI Titanium · 30°

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

Abutments

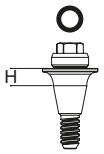
Restorations using transepithelials

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
	1.50	XST10G15
	2.50	XST10G25
	3.50	XST10G35
	4.50	XST10G45
	5.50	XST10G55

Insertion key Ref. MABA200/MABA210.

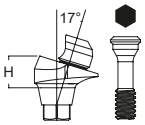
ROT · 30 Ncm · XDrive · M1,60 · Grade 5 ELI Titanium

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

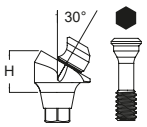


Platf.	Height (H)	Reference
	2.50	XA210G17
	3.50	XA310G17
	4.50	XA410G17
	5.50	XA510G17

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

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

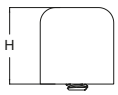
XDrive 30° angled abutment



Platf.	Height (H)	Reference
	3.50	XA310G30
	4.50	XA410G30
	5.50	XA510G30

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

XDrive healing abutment

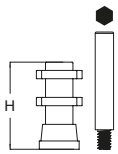


System	Height (H)	Reference
XDrive	5.00	XH103400

Anodised ■ RP

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

XDrive impression abutment



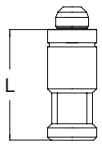
System	Height (H)	Reference
XDrive	10.50	XT103411

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

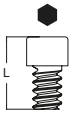
XDrive 3D analogue

System	Length (L)	Reference
XDrive	13.00	XIA103400D

ROT · Stainless Steel

Abutments

XDrive clinical screw

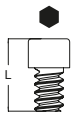



System	Length (L)	Reference
XDrive	3.50	XDS103410

Anodised ■ RP

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

Kiran XDrive clinical screw

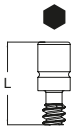



System	Length (L)	Reference
XDrive	3.50	XDS103411

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

Special Kiran screw with surface treatment.

XDrive laboratory screw

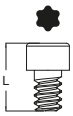



System	Length (L)	Reference
XDrive	5.10	XLB103410

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

NOT apt for use as the final clinical screw.

Kiran Tx30 XDrive clinical screw

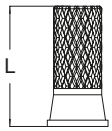
For Ti-Base ZiaCam or metal structures

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

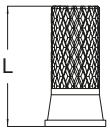



System	Length (L)	Reference
XDrive	9.50	XST3410

Anodised ■ RP

ROT · Grade 5 ELI Titanium

XDrive provisional abutment

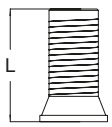



System	Length (L)	Reference
XDrive	9.50	XSP3410

ROT · PEEK

XDrive

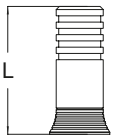
XDrive UCLA

System	Length (L)	Reference
XDrive	8.00	XRU103400

ROT · Full castable

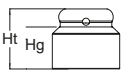
XDrive mechanised base abutment + Castable abutment

System	Length (L)	Reference
XDrive	11.00	XBRU34

ROT · Co-Cr +castable

Kirator XDrive abutment

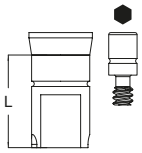



System	Height (Hg/Ht)	Reference
XDrive	3.00/4.30	XLO3400

Kirator abutment with gold surface treatment.

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

ZiaCam scanbody to XDrive abutment



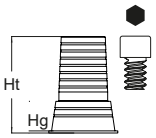
System	Length (L)	Reference
XDrive	8.70	FNSYX11T

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

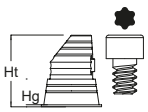


System	Height (Hg/Ht)	Reference
XDrive	0.15/6.70	XFRU341

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
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.


GALAXY

Surgical instruments

Surgical instruments

Surgical box

Contents of Galaxy boxes available

Platf.	Contents	Reference
■	Empty	BOX910
	Basic, manual/CA	BOX900SGLY
	Complete, manual/CA	BOX901GLY

134°

Material: radel.

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

Contents of surgical boxes

REF	Description	BOX900SGLY	BOX901GLY
SID010	Lance drill. Ø2.00 mm	●	○
OSPD20G	Pilot drill Ø1.6/2.00 mm. Millimeter	●	○
OSTD25G	Stepped surgical drill. Ø1.80/2.50 mm. Millimeter	●	○
OSTD33G	Stepped surgical drill. Ø2.15/2.60/3.30 mm. Millimeter	●	○
OSTD37G	Stepped surgical drill. Ø 2.50/3.10/3.70 mm. Millimeter	●	○
OSTD41G	Stepped surgical drill. Ø2.90/3.50/4.10 mm. Millimeter	●	○
OSTD44G	Stepped surgical drill. Ø 3.40/3.90/4.40 mm. Millimeter	●	○
CLD34	Crestal surgical drill. Ø4.10 mm		○
CLD50	Crestal surgical drill. Ø5.10 mm		○
PMT1G	Paralleling pin. Grade 5 ELI titanium		○
GTPD160	Calibrated drill stop. 1. H 6 mm. Grade 5 ELI titanium		○
GTPD170	Calibrated drill stop. 1. H 7 mm. Grade 5 ELI titanium		○
GTPD185	Calibrated drill stop. 1. H 8.50 mm. Grade 5 ELI titanium		○
GTPD110	Calibrated drill stop. 1. H 10 mm. Grade 5 ELI titanium		○
GTPD115	Calibrated drill stop. 1. H 11.50 mm. Grade 5 ELI titanium		○
GTPD113	Calibrated drill stop. 1. H 13 mm. Grade 5 ELI titanium		○
GTPD114	Calibrated drill stop. 1. H 14.5 mm. Grade 5 ELI titanium		○
GTPD260	Calibrated drill stop. 2. H 6 mm. Grade 5 ELI titanium		○
GTPD270	Calibrated drill stop. 2. H 7 mm. Grade 5 ELI titanium		○
GTPD285	Calibrated drill stop. 2. H 8.50 mm. Grade 5 ELI titanium		○
GTPD210	Calibrated drill stop. 2. H 10 mm. Grade 5 ELI titanium		○
GTPD215	Calibrated drill stop. 2. H 11.50 mm. Grade 5 ELI titanium		○
GTPD213	Calibrated drill stop. 2. H 13 mm. Grade 5 ELI titanium		○
GTPD214	Calibrated drill stop. 2. H 14.5 mm. Grade 5 ELI titanium		○
GTAP34MC	Surgical tap. Ø3.40 mm. Millimeter. CA/Manual	●	○
GTAP37MC	Surgical tap. Ø3.70 mm. Millimeter. CA/Manual	●	○
GTAP40MC	Surgical tap. Ø4.00 mm. Millimeter. CA/Manual	●	○
GTAP43MC	Surgical tap. Ø4.30 mm. Millimeter. CA/Manual	●	○
GTAP48MC	Surgical tap. Ø4.80 mm. Millimeter. CA/Manual	●	○
MUR100G2	Probe/Paralleling pin. Millimeter. Grade 5 ELI titanium		○
MUR200G2	Probe/Paralleling pin. Millimeter. Grade 5 ELI titanium		○
MUR300G2	Probe/Paralleling pin. Millimeter. Grade 5 ELI titanium		○
MUR400G2	Probe/Paralleling pin. Millimeter. Grade 5 ELI titanium		○
SMRGV1	VPress insertion key. Short. Millimeter. CA	●	○
LMRGV1	VPress insertion key. Long. Millimeter. CA	●	○
SMRGV	VPress insertion key. Short. Millimeter. Ratchet	●	○
LMRGV	VPress insertion key. Long. Millimeter. Ratchet	●	○
DEXT10	Drill extender	●	○
MESD	Screwdriver tip. Ø1.25 mm	●	○
LMSD	Surgical screwdriver. Ø1.25 mm. Long. Manual	●	○
SMSD	Surgical screwdriver. Ø1.25 mm. Short. Manual	●	○
TORK50	Regulable torque wrench. 10/20/30/40/50/60/70 Ncm	●	○

SURGICAL DRILLS

Lance drill

Platf.	Diameter (Ø)	Length (L)	Reference
■	2.00	16.30	SID010

45 USES · Stainless Steel

Instrument with DLC surface treatment.

Crestal surgical drill

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

45 USES · Stainless Steel

Galaxy pilot drill

Platf.	Diameter (Ø)	Length (L)	Reference
■	1.60/2.00	17.50	OSPD20G

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

45 USES · Stainless Steel

Instrument with DLC surface treatment.

Galaxy stepped surgical drill

Platf.	Diameter (Ø)	Length (L)	Reference
■	1.80/2.50	17.70	OSTD25G
	2.15/3.30	17.50	OSTD33G
	2.50/3.70	17.50	OSTD37G
	2.90/4.10	17.50	OSTD41G
	3.40/4.40	17.50	OSTD44G

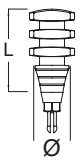
Millimeter: 6/7/8.5/10/11.5/13/14.5

45 USES · Stainless Steel

Instrument with DLC surface treatment.

PIN

Galaxy paralleling pin



Platf.	Diameter (Ø)	Length (L)	Reference
■	4.50	11.00	PMT1G

Anodised ■ RP

Grade 5 ELI Titanium

STOPS

Galaxy calibrated drill stop

Platf.	Type	Length (L) Implant	Reference
■	1	6.00	GTPD160
		7.00	GTPD170
		8.50	GTPD185
		10.00	GTPD110
		11.50	GTPD115
		13.00	GTPD113
		14.50	GTPD114
■	2	6.00	GTPD260
		7.00	GTPD270
		8.50	GTPD285
		10.00	GTPD210
		11.50	GTPD215
		13.00	GTPD213
		14.50	GTPD214
Pack *		--	KSTPG120

* Complete pack of 14 calibrated stops.

Grade 5 ELI Titanium

TAPS

Galaxy surgical tap. CA/Manual

Platf.	Diameter (Ø)	Reference
■	3.40	GTAP34MC
	3.70	GTAP37MC
	4.00	GTAP40MC
	4.30	GTAP43MC
	4.80	GTAP48MC

Millimeter: 8.5/10/11.5/13/14.5

Stainless Steel

Instrument with DLC surface treatment.

Surgical instruments

PROBES

Probe/Paralleling pin

Platf.	Diameters (Ø1-Ø2)	Length (L)	Reference
■	1.60/2.00	26.00	MUR100G2
■	1.80/2.50	27.00	MUR200G2
■	2.10/3.30	26.00	MUR300G2
■	2.50/3.70	26.00	MUR400G2

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

Grade 5 ELI Titanium

KEYS

VPress insertion key. Ratchet

Platf.	Length (L)	Reference
■	12.50/Short	SMRGV
	19.50/Long	LMRGV

● Double hexagon / ■ Square 4x4 mm

Millimeter: 1/2/3/4/5/6

Stainless Steel

Instrument with DLC surface treatment.

VPress insertion key. CA

Platf.	Length (L)	Reference
■	22.20/Short	SMRGV1
	32.20/Long	LMRGV1

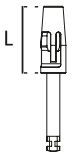
● Double hexagon

Millimeter: 1/2/3/4/5/6

Stainless Steel

Instrument with DLC surface treatment.

Drill extender

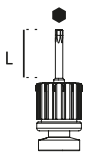


Platf.	Length (L)	Reference
Universal	12.00	DEXT10

Stainless Steel

SCREWDRIVERS

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

* Ref. XSMSD/XLMSD are NOT included in the surgical box.

Screwdriver tip. CA

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

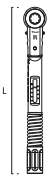
⬢ Hexagonal 1.25 mm

1,25mm Stainless Steel

* Ref. MESD01 is NOT included in the surgical box.

RATCHETS

Regulable torque wrench



Platf.	Length (L)	Reference
Universal	86.80	TORK50

■ Square 4x4 mm

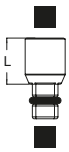
Stainless Steel

For more information on the use of surgical instruments see the section «Simplified surgical protocol» on page 50 of this catalogue.

Complementary instruments

ADAPTERS

Ratchet extension



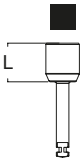
Platf.	Length (L)	Reference
Universal	7.20	LAEX

■ Square 4x4 mm

Stainless Steel

NOT included in the surgical box.

Ratchet to CA adaptor



Platf.	Length (L)	Reference
Universal	7.20	MAEX

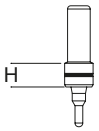
■ Square 4x4 mm

Stainless Steel

NOT included in the surgical box.

LABORATORY TEST KIT

Laboratory test kit



Platf.	Height (H)	Reference
■	4.00	GLAB40

ROT

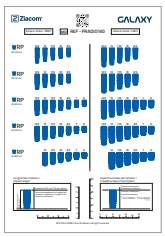
Grade 5 ELI Titanium

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

NOT included in the surgical box.

RADIOGRAPHIC TEMPLATE

Galaxy radiographic template



Platf.	Model	Reference
■	Galaxy	PRADI0140

Scales 1:1 and 1:1.25

Material: transparent acetate. Non-sterilisable material.

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


GALAXY

Prosthetic instruments

Prosthetic instruments

Prosthetic box

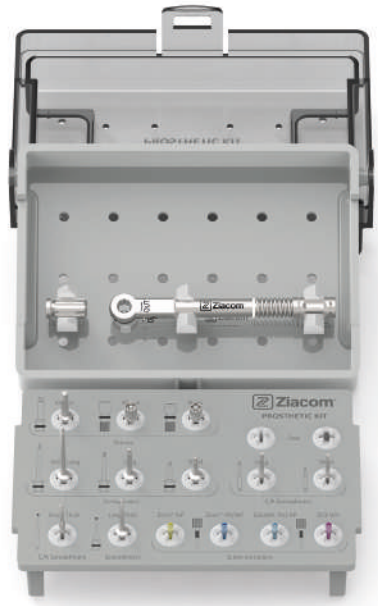
Contents of prosthetic boxes available

Contents	Reference
Empty	BOXPN
Basic	BOXPSN
Complete	BOXPCN

134°

Material: Radel.

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



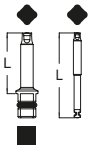
Contents of prosthetic boxes

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 Galaxy system.**

KEYS

Kirator insertion key



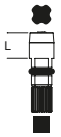
System	Length (L)	Reference
Kirator	13.60/Ratchet/Manual	LOSD01
	20.00/CA	LOSD02 *

◆ Square 2.11 mm / ■ Square 4x4 mm

Kirator · Stainless Steel

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

Basic insertion key. Ratchet



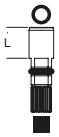
System	Length (L)	Reference
Basic	5.00/Short	MABA100
	13.00/Long	MABA110 *

✿ 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 *

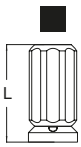
○ XDrive / ■ Square 4x4 mm

XDrive · Grade 5 ELI Titanium · Stainless Steel

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

SCREWDRIVERS

Screwdriver adapter handle

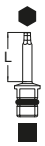


Platf.	Length (L)	Reference
Universal	15.50	MADW10

■ 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

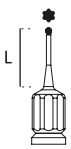
■ Square 4x4 mm

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 Galaxy system.

RATCHETS

Regulable torque wrench

Platf.	Length (L)	Reference
Universal	86.80	TORK50

Square 4x4 mm

Nom. 10 20 30 40 50 60 | 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.

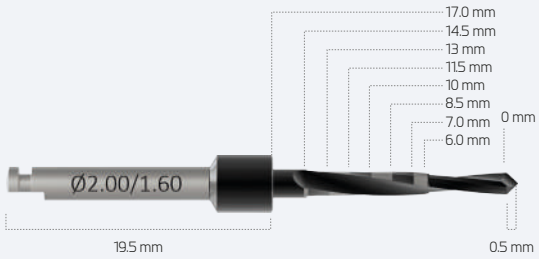
Simplified surgical protocol

Simplified surgical protocol

Characteristics of the Galaxy drilling system

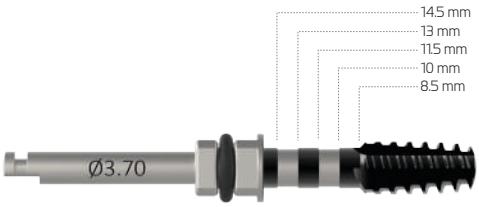
Ziacom® drill system - DLC surface

The drills for the Ziacom® implant systems are made from stainless steel coated with a diamond-like carbon (DLC) surface treatment which bestows them greater corrosion resistance during sterilisation, a low friction coefficient and increased wear resistance, thus increasing the service life of their cutting edge. Furthermore, they have a matte finish and therefore anti-reflective properties. A laser marking on the drill'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 (milimeter drills). The drill tip is 0.5 mm long and is not included in the laser marked measurements.



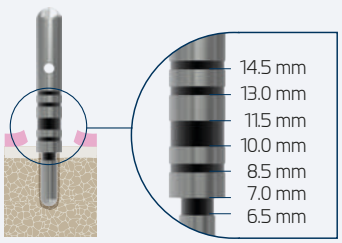
Ziacom® taps - DLC surface

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 site axis, the paralleling pins are available in different diameters according to the drilling sequence.

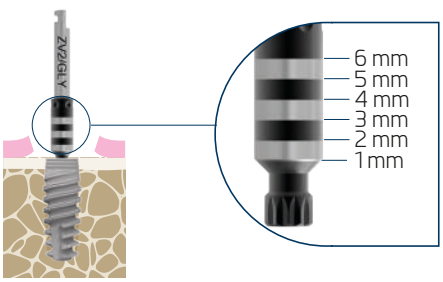


VPress insertion keys

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

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

Depth within the implant platform marked on the insertion keys



DETAILS INSIDE THE GALAXY SURGICAL BOX

Recommendations on the maximum insertion torque

The recommended insertion torque ranges between **35** and **50 Ncm** on a case-by-case basis.

To avoid deforming the key and/or implant connection, insertions performed with a contra-angle handpiece (CA) must respect the recommended maximum rpm (25 rpm) and maximum torque (50 Ncm).

If the implant cannot be fully inserted using the recommended maximum torque, withdraw the implant, repeat the drilling and then re-insert it.

Control the final insertion torque with the adjustable dynamometric ratchet Ref. TORK50 or a contra-angle handpiece.

Exceeding the maximum torque (50 Ncm) when inserting the implant can cause:

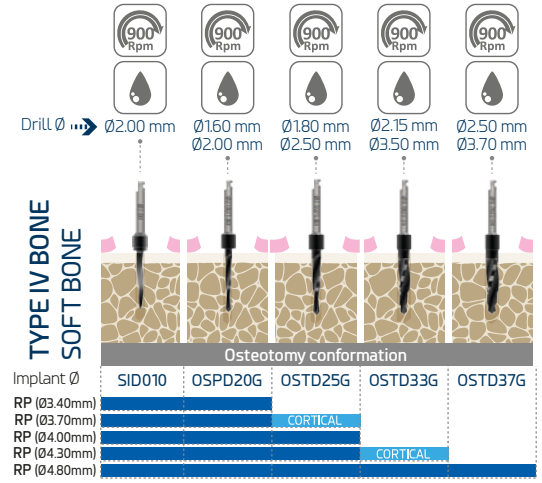
- Irreversible deformations in the implant's internal connection.
- Irreversible deformations in the implant insertion instruments.
- Difficulty or impossibility in dismounting the instrument/implant assembly.

Simplified surgical protocol

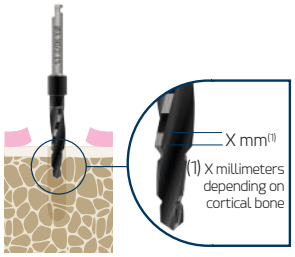
Drilling protocol - Ziacom® No Mount

Rotation | Irrigation required | Ø Drill diameter | Torque

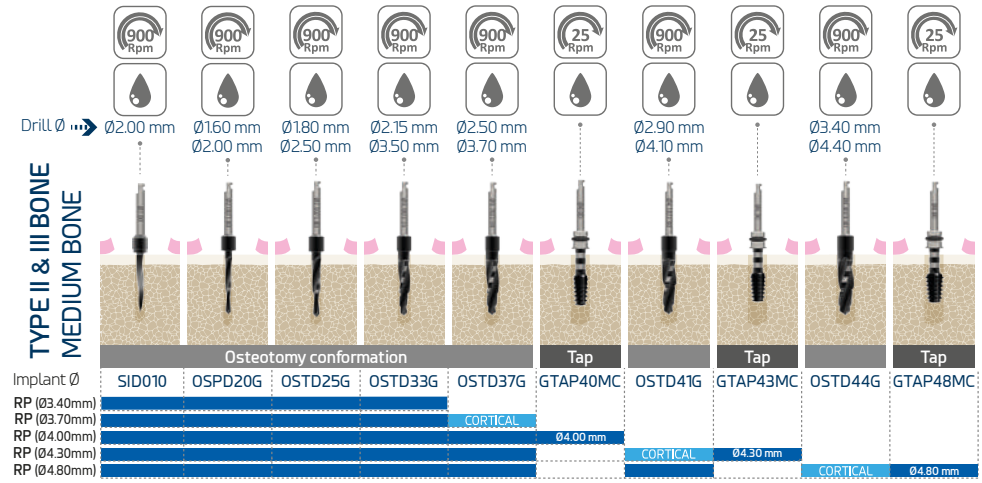
Detailed speeds are the recommended

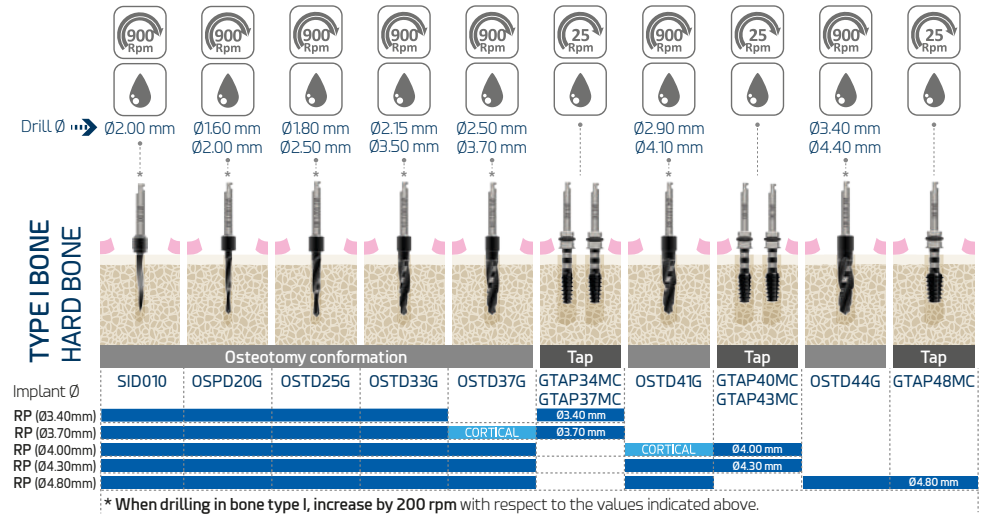


Cortical section of Galaxy drills



When the protocol indicates, CORTICAL we recommend drilling to a length that corresponds to the thickness of the cortical bone on a case-by-case basis.

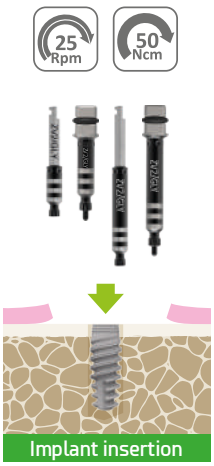




*** When drilling in bone type I, increase by 200 rpm** with respect to the values indicated above.

Galaxy implant insertion

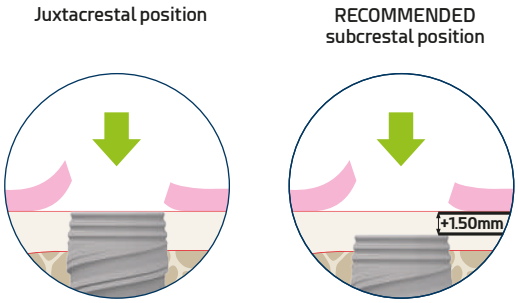
Implant insertion



SMRGV / LMRGV
SMRGV1 / LMRGV1

Crestal placement of implant

The drilling protocols are described so that the platform for the Galaxy implants is juxtacrestal. Nevertheless, recommendations are to leave the platform slightly subcrestal.



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

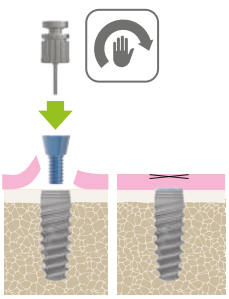
- Type II: thick layer of compact bone surrounding a dense trabecular bone.
- Type III: thin cortical layer surrounding a dense trabecular bone.

TYPE I BONE - HARD BONE

- Composed almost entirely of homogeneous compact bone.

Handling cover screw

Place the cover screw in the screwdriver. Move it towards the implant while taking care that it does not fall and become accidentally ingested. Place the screw in the implant applying manual torque in a clockwise direction.



Simplified surgical protocol

General recommendations

To consider during the intervention

1. The surgical drills must be inserted in the contra-angle handpieces when the motor is stopped and ensure they are attached and rotate correctly before starting to drill. Treat the drills with the utmost care; the slightest damage to the tips could compromise their effective operation.
2. Damaged instruments must be disposed of according to local regulations.
3. Implantologists should keep one of the identification labels supplied with the product in the patient's file so that it may be traced correctly.
4. Each instrument must only be used for the specific use recommended by the manufacturer.

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 Galaxy 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.

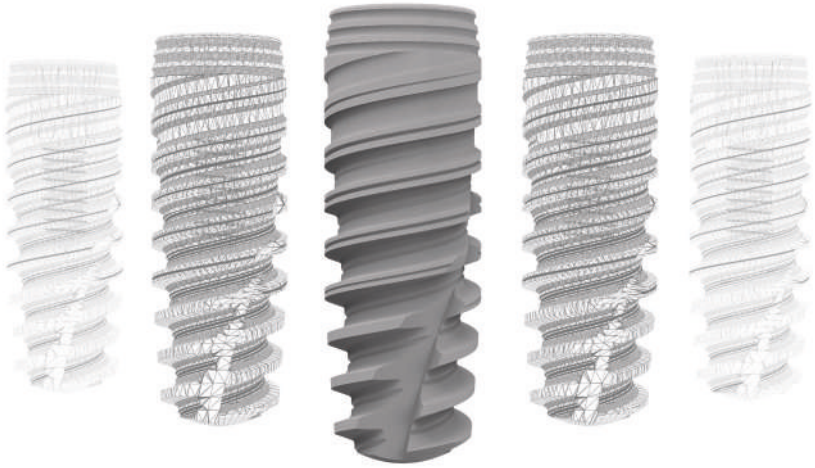
Storage of Ziacom® products

- 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.



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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