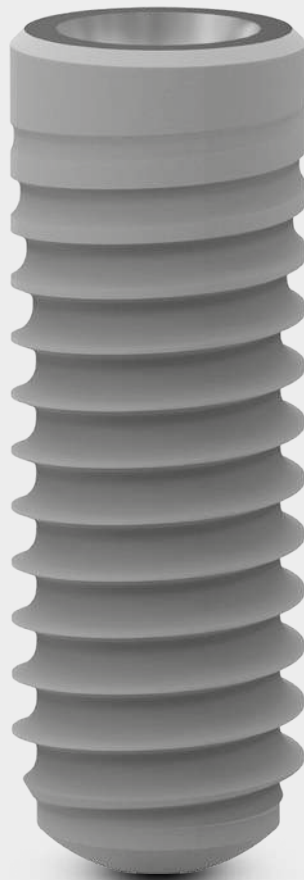


ZV2<sup>®</sup>

Conical connection implants





Zv2<sup>®</sup>

Conical connection implants



# 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.es](http://www.ziacom.es), 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 SLU. Ziacom Medical SLU, 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 SLU Warranty Programme (available on the website or by contacting Ziacom Medical SLU, their affiliates or authorised distributors).

**Warning.** Not all ZIACOM® products are available in all countries. Check availability in your country.

ZIACOM®, Zinic®, Zinic®MT, ZMK®, ZMR®, ZM1®, ZM1®MT, ZM4®, ZM4®MT, ZM8®, ZM8®N, ZM8®S, Galaxy®, ZV2®, Ziacom®3D, Kiran®, Kirator®, ZM-Equator®, Basic®, XDrive®, ZiaCam®, ZIACOR®, Tx30®, Zellplex®, DSQ®, Titansure® and Ziasure® are some of the trademarks registered of Ziacom Medical SLU. Consult the website for the full list and their corresponding logos.

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# The Company

## Making future together

ZIACOM® is a **Spanish multinational company** specialising in the design and manufacture of dental implants, abutments and surgical instruments and providing **top-quality, integral solutions to dental professionals**.

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

In 2015, ZIACOM® introduced its **diversification strategy** with the development of **new lines of business and product families** and the launch of two of our most emblematic implant models – **ZM4®** and **Zinic®**. This helped us reach a **15% share of the Spanish market** by 2016 with the sale of over 230.000 implants.

The following year, the company embarked on an **ambitious programme of international expansion**, which has been updated and broadened in 2021.

## ZIACOM® excellence of quality

A **constant search for quality** has been one of the cornerstones guiding our development since the company's creation and is one of our **main hallmarks**.

That's why ZIACOM® has **state-of-the-art technology** which we use 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 exclusively using **high-quality raw materials** and after applying **strict controls to the selection** of our main suppliers.

Ziacom Medical SLU is a **licensed manufacturer of medical devices** and an AEMPS (Spanish Agency for Medicines and Medical Devices)

6425-PS **commercial authorisation holder**. Our **quality management system is certified** in accordance with the requirements of ISO standards 9001:2015 and 13485:2016, and is also GMP 21 CFR 820 compliant.



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

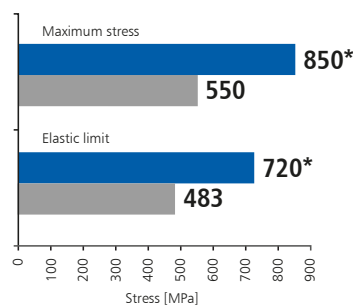
See the General Conditions for Accessing the Guarantee for ZIACOM® products.

## Zitium® titanium

We ensure maximum quality by manufacturing all of our implants in **extra-high-strength, grade 4 Zitium® titanium** which bestows them with a **substantially improved elastic limit and mechanical properties**.

Thanks to **Zitium® titanium**, our implants meet the requirements of standards ASTM F67 and ISO 5832-2 and are certified in accordance with Directive 2007/47/EC on medical devices amending 93/42/EEC by notified body 0051.

Properties of Zitium® titanium



**Zitium®**  
**Ti 4 ASTM F67 / ISO 5832-2**  
 \*Average maximum values



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.





## Investment in innovation and training

Loyal to our pioneering spirit, we **invest heavily in continual research and training** as a vehicle for providing the **sector with scientific support** and developing **new solutions and products** to satisfy our clients' demands.

Accordingly, in recent years we have **increased our R&D budget by 50%** in order to optimise production process efficiency. We have also incorporated a team of **dentists as product specialists** and conducted studies with implantology experts working in the field.

This dedication to innovation spurred us to **retrofit our central facilities** in 2018. So our headquarters are now housed in a **smart building** that was specifically designed and constructed as a **biomedical equipment manufacturing plant**.

The facilities, covering **4.000 m<sup>2</sup> of usable floor area**, accommodate the group's central services and all of the **infrastructure** needed to perform the company's **research, production and training** functions.

Our commitment to research also manifests in our **support for scientific societies**, participation in **national and international conferences** and engagement in **research collaborations**.

## ZIACOM® around the world

In line with our philosophy and **pioneering spirit**, ZIACOM® is immersed in a considerable **expansion programme** that we initiated in 2017. The aim is to develop our **international presence** in **previously consolidated areas** and open up other areas of **new growth**.

By adapting to and obtaining the **appropriate country-specific certificates**, ZIACOM® has managed to export its **successful model** across the globe via various **distribution networks** and with products tailored to each market. ZIACOM® therefore strives to meet each country's **specific quality, regulatory and legal requirements** with respect to the registration and distribution of our products.

### Headquarters



Spain

#### Ziacom Medical SLU

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Tfno.: +34 91 723 33 06

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### Subsidiaries



Portugal

#### Ziacom Medical Portugal Lda

Lisbon - Portugal

Oeiras, Lagoas Park, Building 7. 1st fl. South

2740-244 Porto Salvo - Tel: +351 308 812 641

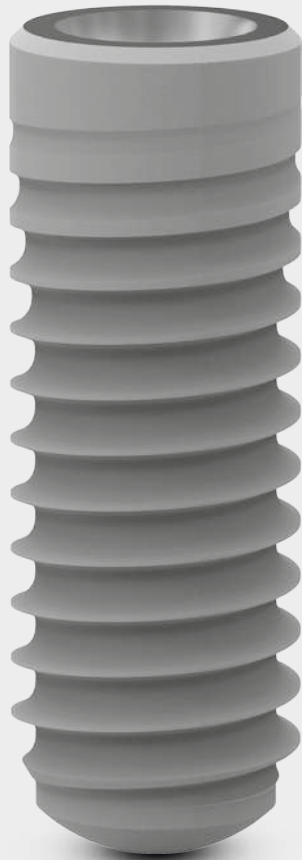
info@ziacom.pt - www.ziacom.pt

Please consult the updated list of ZIACOM distributors at [www.ziacom.es](http://www.ziacom.es) or email [export@ziacom.es](mailto:export@ziacom.es)



Zv2<sup>®</sup>

Conical connection implants



## Characteristics

### CONNECTION

- Conical connection: 11° morse taper with double internal hexagon.
- Conical sealing: no infiltration.
- Friction fit: no microfiltrations.
- RP and WP platforms.
- Platform switch: soft tissue formation and emergence profile shaping.

### CORTICAL AREA

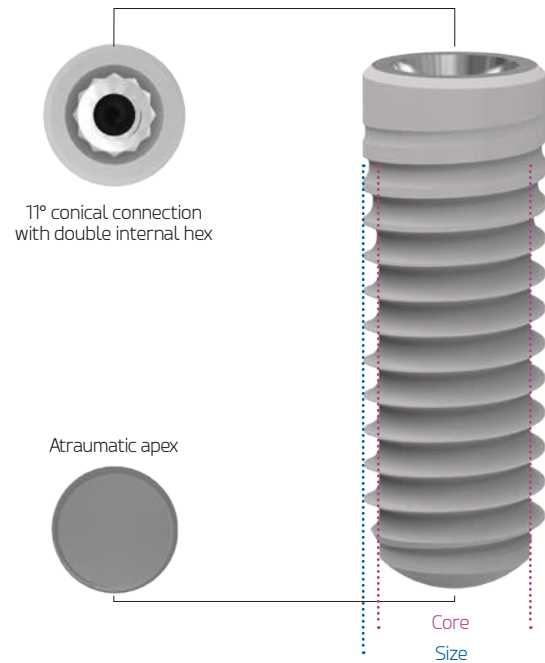
- Shoulder implant design for crestal bone placement.
- Slightly tapered core in coronal area: high cortical compression.
- Thread in reduction up to platform.
- 0.2 mm bevel (except for 3.40mm diameter implant whose bevel is 0.15 mm).

### BODY

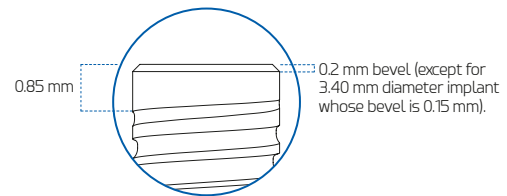
- Lead threads: provide stability during insertion with 0.8 mm thread pitch.
- Optimised cylindrical morphology: high primary stability.
- Atraumatic apex: protects anatomical structures.

### CYLINDRICAL DESIGN

- Versatile, suitable for all positions.
- Available in narrow 3.40mm diameter.
- Morphology allows surgical compatibility.



Dimensions of the implant's coronal section



## Diameters and lengths available

Ø DIAMETER	Ø PLATFORM	LENGTH (L)				
		6	8	10	12	14
RP 3.40	2.85					
RP 4.10						
WP 4.80	3.85					

When choosing the correct implant length, consider the overdrill due to the length of the drill tip:

### Length of drill tip



### Total implant dimensions



## 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.

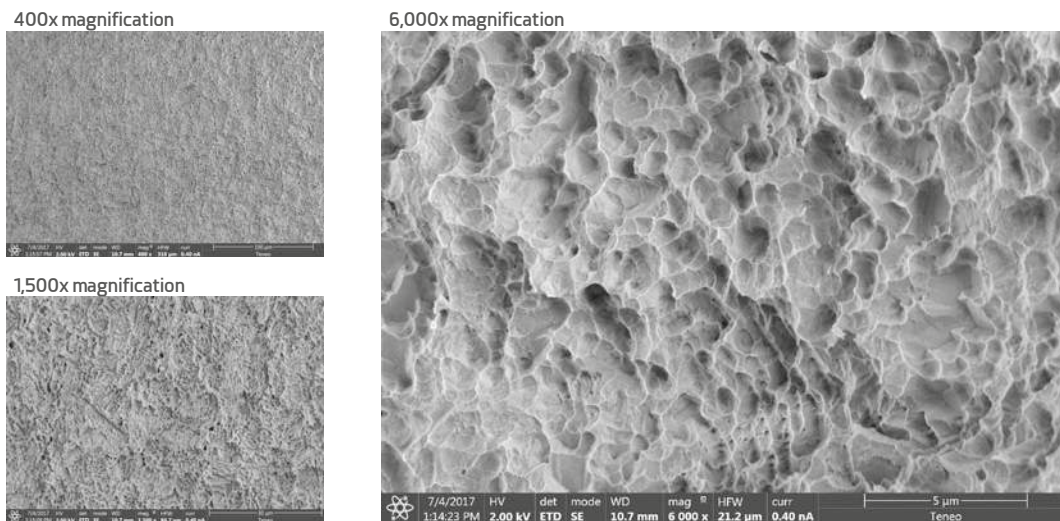
With our Titansure® surface treatment, at Ziacom Medical we have obtained a contaminant-free surface topography and optimal average macro- and microporosity values, which are key specifications for achieving prompt and proper osseointegration and, in turn, extremely reliable and predictable implants.

#### CHARACTERISATION OF THE TITANSURE® SURFACE TREATMENT

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.

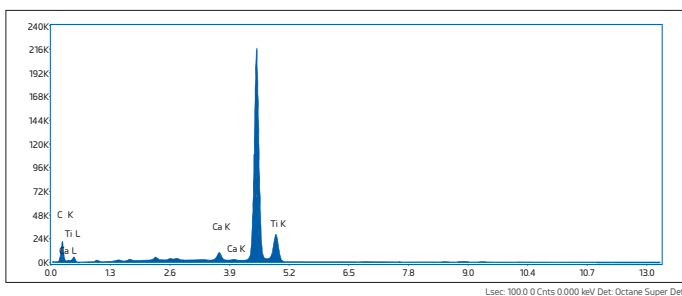
#### Surface morphology analysis

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.



#### 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

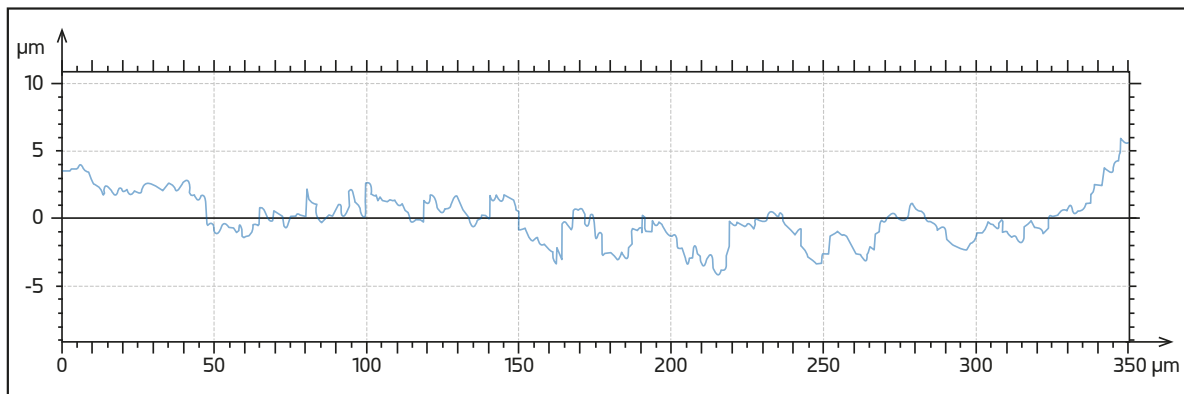
The roughness study was conducted with a Sensofar S NEOX interferometric-confocal microscope (Sensofar Medical, Terrasa, Spain) and SensoMAP Premium 7.4 software. The quantitative roughness profile parameters applied were: average roughness (Ra), root-mean-square roughness (Rq), maximum profile peak 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 (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 roughness profile featured peaks and valleys in the range of 3–4 µm.



**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].



## Surface treatments

### Titansure® Active surface treatment

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

*"BBL technology consists of a saline solution containing calcium chloride (CaCl2) and magnesium chloride (MgCl2.6H2O) with a net negative charge and creates the ideal conditions for post-implant cell adhesion in the region with bone damage. What is more, surface treatment with BBL provides a significant increase in the density of hydroxyl groups on the surface of implants, thus improving their hydration considerably compared with other surfaces. This hydrophilic implant surface is precisely what enables active ion interaction with blood plasma and bone-forming cells long before the first stem 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 <b>Titansure® Active</b>
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).

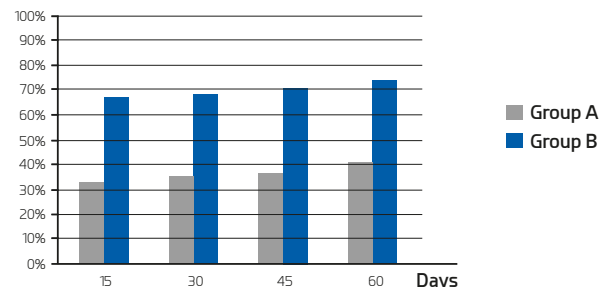
The subjects were assigned to two treatment groups with implants:

- **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 <b>Titansure® Active</b> 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%





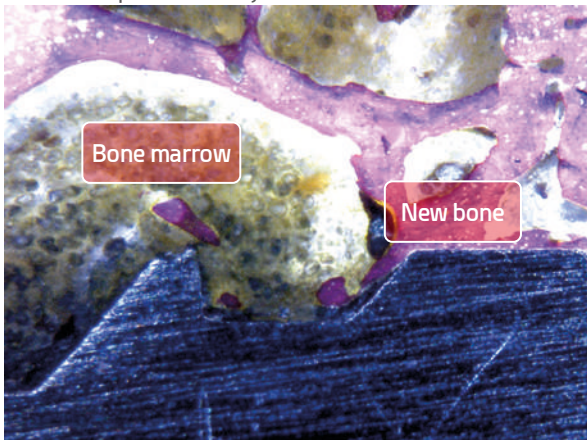
### Conclusions

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.

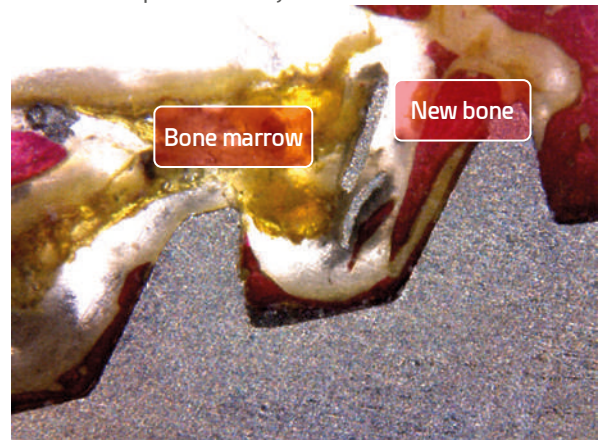
As explained by Dr. Sérgio Alexandre Gehrke, the histologist in charge of the study: *"Within the study's limits, data from the histomorphometric analysis of the implants with a BBL-treated surface (78.92 + 0.3%) highlighted a much quicker and more effective osseointegration compared to the control group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

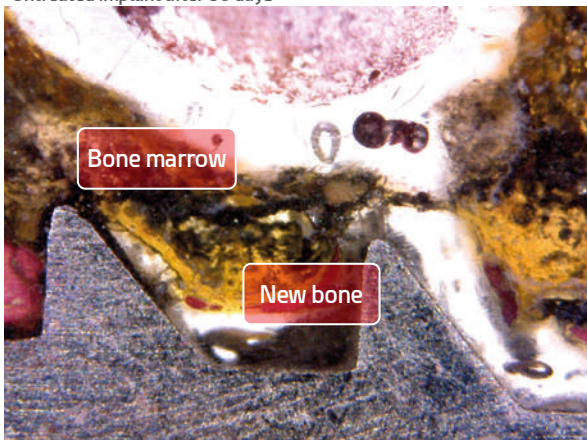
Untreated implant after 15 days



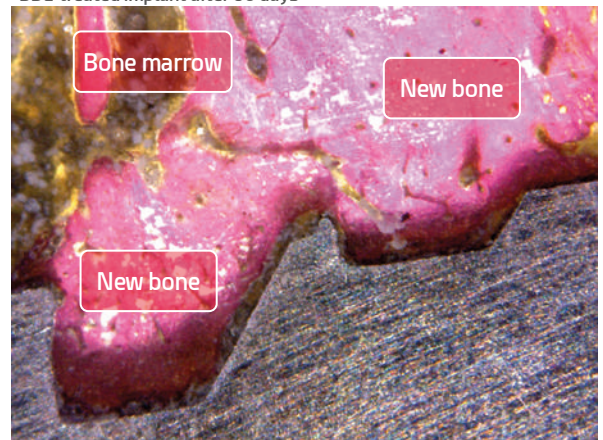
BBL-treated implant after 15 days



Untreated implant after 60 days



BBL-treated implant after 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.



#### IMPORTANT

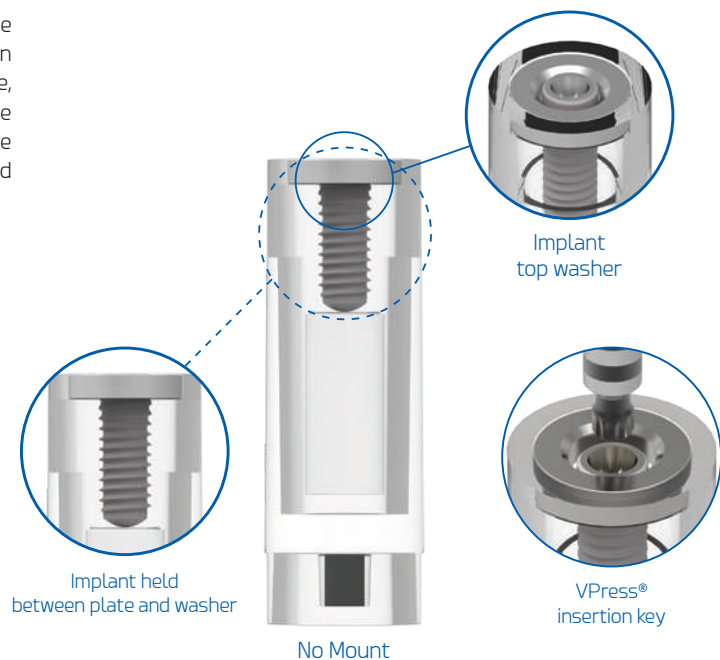
Do not open the sterile container until just before inserting the implant.

 New product. Check availability.

### ZIACOM® No Mount

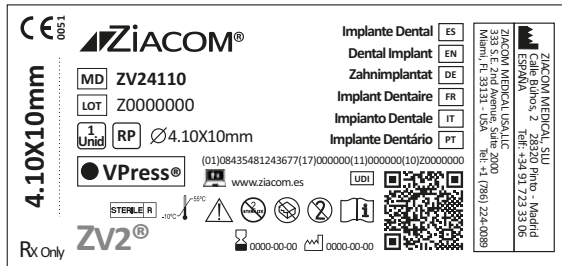
ZV2® implants are supplied in ZIACOM® No-Mount vials; the implants are held vertically inside a plastic vial between a plate below and a washer above (both made from titanium), thus preventing any movements or unwanted contacts.

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.



## 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
- Name of the medical device
- Number of product batch
- Patient information website
- Unique device identification
- 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
- Caution: federal law prohibits dispensing without prescription

For full details on the product presentation and instructions for use (IFU) see [www.ziacom.es/ifus](http://www.ziacom.es/ifus) or scan the QR code on the box.

## References: ZV2® with ZIACOM® No Mount - Titansure®/Titansure® Active

		IMPLANT				
		Ø (mm)	Ø Core (mm)	Length		
				Titansure® ref.	Titansure® Active ref.	
<b>ZV2®</b>	3.40	2.80	8.0	ZV23408	ZV23408A	
			10.0	ZV23410	ZV23410A	
			12.0	ZV23412	ZV23412A	
			14.0	ZV23414	ZV23414A	
4.10	3.40	6.0	ZV24106	ZV24106A		
		8.0	ZV24108	ZV24108A		
		10.0	ZV24110	ZV24110A		
		12.0	ZV24112	ZV24112A		
		14.0	ZV24114	ZV24114A		
4.80	4.10	10.0	ZV24810	ZV24810A		
		12.0	ZV24812	ZV24812A		
		14.0	ZV24814	ZV24814A		

### Metric



Metrics of 1.60 (RP) and 2.00 (WP)

### Cover screw\*



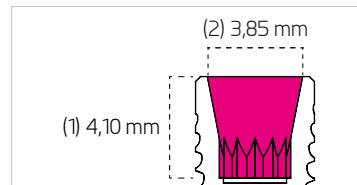
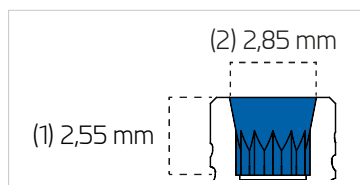
Platf.	Length (L)	Reference
	5.10	GLYRT
	6.10	GLYWT

Anodised RP WP



\* Screw included with each implant.

### Platform



(1) Height of inner cone (2) Diameter of the working platform

## Recommendations for use

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

ZIACOM® has a wide range of implants available to cover every reconstruction possibility. The 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.
- **UNDERDRILLING TECHNIQUE:** comprises the preparation of the implant bed using a final drill bit with a smaller diameter than the implant core. Technique associated with a high insertion torque and an increase in primary stability.

#### IMPORTANT

Possible increased risk of bone necrosis due to pressure.

- **SIMPLIFIED DRILLING TECHNIQUE:** technique proposed by Coelho and Cols in 2013 (1). It consists of the use of pilot drill and final drill corresponding to the size of the implant. It reduces drilling sequence but with risk of bone necrosis due to thermal increase.

## Periodontal chart

ZV2®

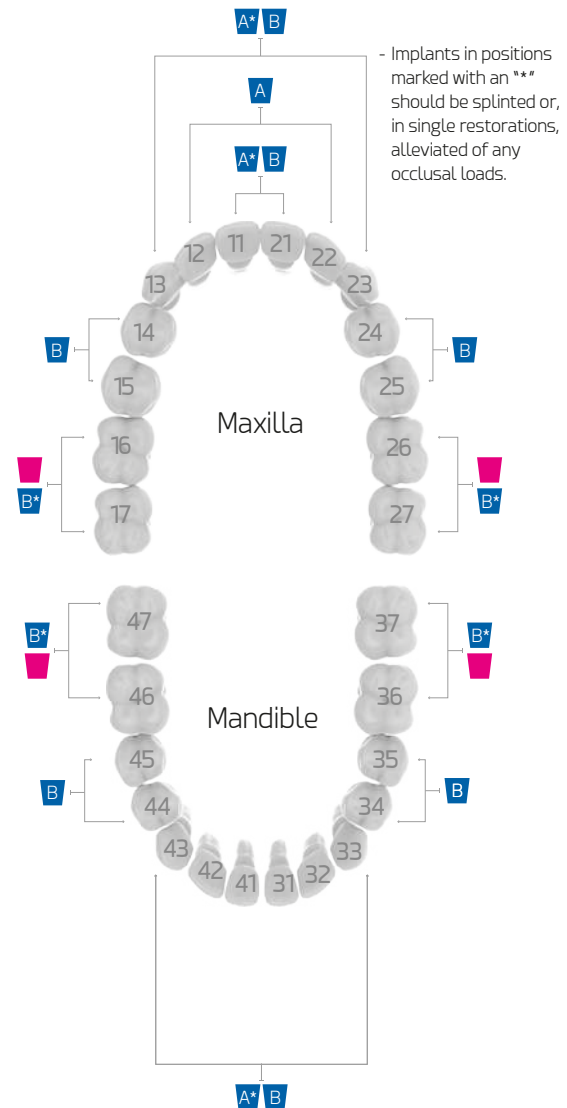
### Implant diameter <sup>(1)</sup>

**A** RP   **B** RP   **W** P  
 Ø3.40 mm   Ø4.10 mm   Ø4,80 mm

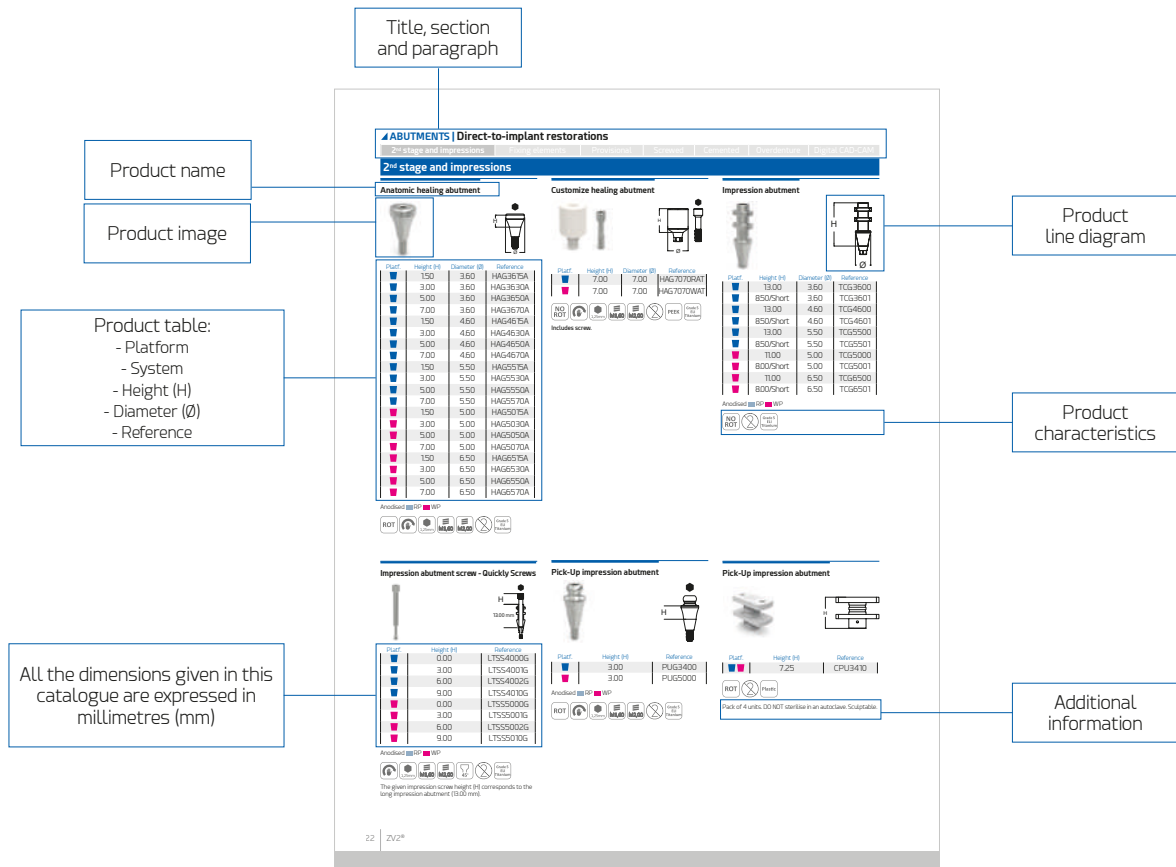
(1) Diameters are available for analog platforms.

### Coronal implant diameter

**B** RP   **W** P  
 Ø2.85 mm   Ø3.85 mm



## Product sheet



## Key to symbols

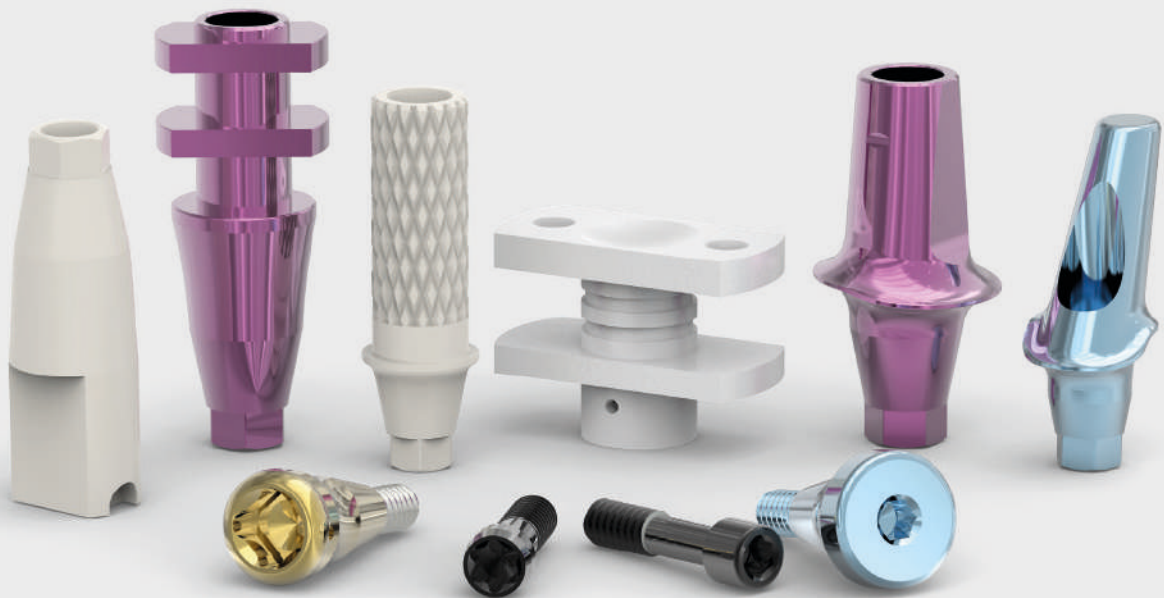
Symbol	Meaning	Symbol	Meaning	Symbol	Meaning
	Rotatory element		Metric in millimetres		Made from cobalt chromium
	Non-rotatory element		45° screw support		Made from PEEK
	Use with manual torque (consult table on page 39)		90° screw support		Made from castable plastic
	Maximum operating torque		Use in rotation with a CA		Made from plastic
	Ratchet torque range		Maximum rotation speed		Recommended sterilisation temperature
	Screw connection		Maximum number of uses		Non-sterile product
	Kirator® connection		Single-use product		Use with abundant irrigation
	Basic® connection		Made from grade 5 ELI (extra-low interstitial) titanium		Maximum angle
	XDrive® connection		Made from stainless steel		
	Tx30® connection		Made from cobalt chromium + castable plastic		



ZV2<sup>®</sup>

# Abutments

Direct-to-implant  
restorations

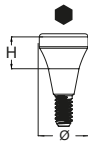


# ABUTMENTS | Direct-to-implant restorations

2<sup>nd</sup> stage and impressions | Fixing elements | Provisional | Screwed | Cemented | Overdenture | Digital CAD-CAM

## 2<sup>nd</sup> stage and impressions

### Anatomic healing abutment

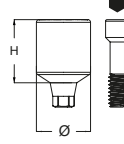


Platf.	Height (H)	Diameter (Ø)	Reference
■	1.50	3.60	HAG3615A
■	3.00	3.60	HAG3630A
■	5.00	3.60	HAG3650A
■	7.00	3.60	HAG3670A
■	1.50	4.60	HAG4615A
■	3.00	4.60	HAG4630A
■	5.00	4.60	HAG4650A
■	7.00	4.60	HAG4670A
■	1.50	5.50	HAG5515A
■	3.00	5.50	HAG5530A
■	5.00	5.50	HAG5550A
■	7.00	5.50	HAG5570A
■	1.50	5.00	HAG5015A
■	3.00	5.00	HAG5030A
■	5.00	5.00	HAG5050A
■	7.00	5.00	HAG5070A
■	1.50	6.50	HAG6515A
■	3.00	6.50	HAG6530A
■	5.00	6.50	HAG6550A
■	7.00	6.50	HAG6570A

Anodised ■ RP ■ WP



### Customize healing abutment

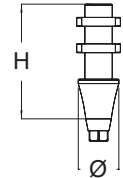


Platf.	Height (H)	Diameter (Ø)	Reference
■	7.00	7.00	HAG7070RAT
■	7.00	7.00	HAG7070WAT



Includes screw.

### Impression abutment

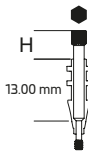


Platf.	Height (H)	Diameter (Ø)	Reference
■	13.00	3.60	TCG3600
■	8.50/Short	3.60	TCG3601
■	13.00	4.60	TCG4600
■	8.50/Short	4.60	TCG4601
■	13.00	5.50	TCG5500
■	8.50/Short	5.50	TCG5501
■	11.00	5.00	TCG5000
■	8.00/Short	5.00	TCG5001
■	11.00	6.50	TCG6500
■	8.00/Short	6.50	TCG6501

Anodised ■ RP ■ WP



### Impression abutment screw - Quickly Screws



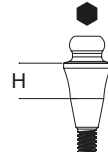
Platf.	Height (H)	Reference
■	0.00	LTSS4000G
■	3.00	LTSS4001G
■	6.00	LTSS4002G
■	9.00	LTSS4010G
■	0.00	LTSS5000G
■	3.00	LTSS5001G
■	6.00	LTSS5002G
■	9.00	LTSS5010G

Anodised ■ RP ■ WP



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

### Pick-Up impression abutment

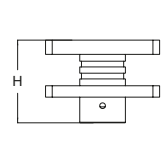


Platf.	Height (H)	Reference
■	3.00	PUG3400
■	3.00	PUG5000

Anodised ■ RP ■ WP



### Pick-Up impression abutment



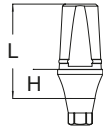
Platf.	Height (H)	Reference
■ ■	7.25	CPU3410



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
■	3.00	9.50	Z2WPG10

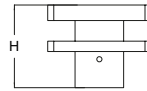
Anodised ■ RP ■ WP



**IMPORTANT**

Use the laboratory screw to tighten this impression abutment.

Z2Plus® Snap-On impression transfer

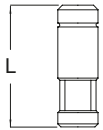


Platf.	Height (H)	Reference
■ ■	8.00	ZPU3400



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

Implant analogue



Platf.	Length (L)	Reference
■	12.00	IAG3400
■	12.00	IAG5000



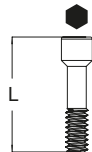
3D implant analogue

Platf.	Length (L)	Reference
■	12.00	IAG3400D
■	12.00	IAG5000D



Fixing elements

Kiran® clinical screw

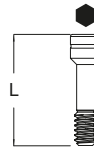


Platf.	Length (L)	Reference
■	8.20	DSG4010
■	10.40	DSG5010



Special Kiran® screw with surface treatment.

Laboratory screw

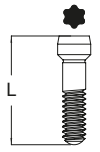


Platf.	Length (L)	Reference
■	8.00	LBG4000
■	8.80	LBG5000



NOT apt for use as the final clinical screw.

Kiran® Tx30® clinical screw



Platf.	Length (L)	Reference
■	7.55	DSG4010TX
■	8.65	DSG5010TX



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

# ABUTMENTS | Direct-to-implant restorations

2<sup>nd</sup> stage and impressions

Fixing elements

**Provisional**

Screwed

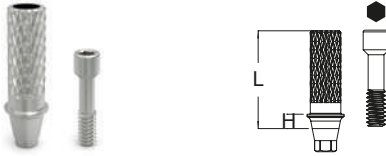
Cemented

Overdenture

Digital CAD-CAM

## Provisional

### Provisional abutment



#### Rotatory

Platf.	Height (H)	Length (L)	Reference
■	1.50	10.50	RUGT3615
■	3.00	12.00	RUGT3630
■	1.50	10.50	RUGT5015
■	3.00	12.00	RUGT5030

Anodised ■ RP ■ WP



#### Non-rotatory

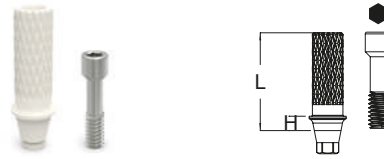
Platf.	Height (H)	Length (L)	Reference
■	1.50	10.50	NUGT3615
■	3.00	12.00	NUGT3630
■	1.50	10.50	NUGT5015
■	3.00	12.00	NUGT5030

Anodised ■ RP ■ WP



### 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
■	1.50	10.50	RUGP5015
■	3.00	12.00	RUGP5030



Grade 5 ELI Titanium

#### Non-rotatory

Platf.	Height (H)	Length (L)	Reference
■	1.50	10.50	NUGP3615
■	3.00	12.00	NUGP3630
■	1.50	10.50	NUGP5015
■	3.00	12.00	NUGP5030



Grade 5 ELI Titanium

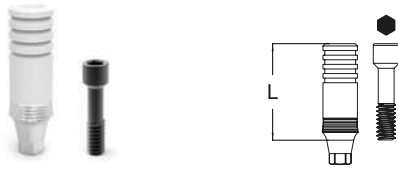
All provisional abutments come with an anodised screw.



**Screwed**

**Mechanised base UCLA**

**Mechanised base abutment  
+ Castable abutment**



**Rotatory**

Platf.	Length (L)	Reference
	10.60	BRUG36
	10.60	BRUG50



**Non-rotatory**

Platf.	Length (L)	Reference
	10.60	BNUG36
	10.60	BNUG50



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
	11.40	11.20	BRUG50TX



**Non-rotatory**

Platf.	15° Length (L)	20° Length (L)	Reference
	11.40	11.20	BNUG36TX
	11.40	11.20	BNUG50TX



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

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



**Rotatory**

Platf.	20° Length (L)	25° Length (L)	Reference
	11.20	11.00	BRUG36TX1
	11.20	11.00	BRUG50TX1



**Non-rotatory**

Platf.	20° Length (L)	25° Length (L)	Reference
	11.20	11.00	BNUG36TX1
	11.20	11.00	BNUG50TX1



**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.



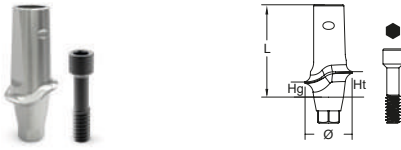
Identifying grooves for the castable angles

# ABUTMENTS | Direct-to-implant restorations

2<sup>nd</sup> stage and impressions | Fixing elements | Provisional | Screwed | **Cemented** | Overdenture | Digital CAD-CAM

## 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
■	1.50/2.50	8.50	5.00	STG5015
■	3.00/4.00	10.50	5.00	STG5030
■	1.50/2.00	8.50	6.50	STG6515
■	3.00/3.50	10.00	6.50	STG6530

Anodised ■ RP ■ WP



### 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
■	3.00/4.00	10.50	5.00	A2G5015

Anodised ■ RP ■ WP



### 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

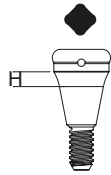


All cemented abutments come with a special Kiran® screw with surface treatment Ref. DSG4010.



**Overdenture**

# Kirator®



## Kirator® abutment

Platf.	Height (H)	Reference
	1.00	LOG4010
	2.00	LOG4020
	3.00	LOG4030
	4.00	LOG4040
	5.00	LOG4050
	6.00	LOG4060
	1.00	LOG5010
	2.00	LOG5020
	3.00	LOG5030
	4.00	LOG5040

Golden surface treatment.

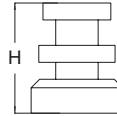
Insertion key Ref. LOSD01/LOSD02.



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

## Related abutments

### Kirator® impression transfer

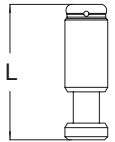


System	Height (H)	Reference
Kirator®	6.50	TCRK3400



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

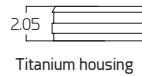
### Kirator® analogue



System	Length (L)	Reference
Kirator®	13.00	IATORK01



### Kirator® processing kit



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.

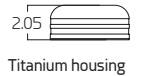
System	Retention (kg)	Reference
Kirator®	Soft/1.20 kg	TPK100
	Standard/1.80 kg	TPK200
	Strong/2.70 kg	TPK300

Pack of 4 plastic Kirator® retainer caps.



DO NOT sterilise in an autoclave. Maximum divergence of 22° between implants.

### Kirator® divergence processing kit



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	TPK100
	Standard/1.80 kg	TPK200
	Strong/2.70 kg	TPK300

Pack of 4 plastic Kirator® retainer caps - divergent.



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

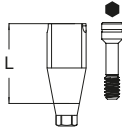
## Example sequence



# ABUTMENTS | Direct-to-implant restorations

## Digital CAD-CAM

### ZiaCam® scanbody to implant

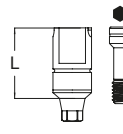


Platf.	Length (L)	Reference
	9.00	FNSYG40
	9.00	FNSYG50



Indicated for the laboratory.

### ZiaCam® scanbody to implant



Platf.	Length (L)	Reference
	8.00	FNSYG40T
	8.00	FNSYG50T

Anodised RP WP



Indicated for the clinic.

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



Digital CAD-CAM

ZiaCam® Ti-Base



Rotatory

Platf.	Height (Hg/Ht)	Diameter (Ø)	Reference
Blue	1.00/5.50	3.80 *	FRUG305
Blue	2.00/6.50	3.80 *	FRUG315
Blue	3.00/7.50	3.80 *	FRUG330
Blue	1.00/5.50	4.40	FRUG405
Blue	2.00/6.50	4.40	FRUG415
Blue	3.00/7.50	4.40	FRUG430
Pink	1.00/5.50	4.80	FRUG505
Pink	2.00/6.50	4.80	FRUG515
Pink	3.00/7.50	4.80	FRUG530
Pink	1.00/5.50	6.30	FRUG605
Pink	2.00/6.50	6.30	FRUG615
Pink	3.00/7.50	6.30	FRUG630



Non-rotatory

Platf.	Height (Hg/Ht)	Diameter (Ø)	Reference
Blue	1.00/5.50	3.80 *	FNUG305
Blue	2.00/6.50	3.80 *	FNUG315
Blue	3.00/7.50	3.80 *	FNUG330
Blue	1.00/5.50	4.40	FNUG405
Blue	2.00/6.50	4.40	FNUG415
Blue	3.00/7.50	4.40	FNUG430
Pink	1.00/5.50	4.80	FNUG505
Pink	2.00/6.50	4.80	FNUG515
Pink	3.00/7.50	4.80	FNUG530
Pink	1.00/5.50	6.30	FNUG605
Pink	2.00/6.50	6.30	FNUG615
Pink	3.00/7.50	6.30	FNUG630



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
Blue	1.00/6.50	3.80 *	FRUG305TX
Blue	2.00/7.50	3.80 *	FRUG315TX
Blue	3.00/8.50	3.80 *	FRUG330TX
Blue	1.00/6.50	4.40	FRUG405TX
Blue	2.00/7.50	4.40	FRUG415TX
Blue	3.00/8.50	4.40	FRUG430TX
Pink	1.00/6.50	4.80	FRUG505TX
Pink	2.00/7.50	4.80	FRUG515TX
Pink	3.00/8.50	4.80	FRUG530TX
Pink	1.00/6.50	6.30	FRUG605TX
Pink	2.00/7.50	6.30	FRUG615TX
Pink	3.00/8.50	6.30	FRUG630TX



Non-rotatory

Platf.	Height (Hg/Ht)	Diameter (Ø)	Reference
Blue	1.00/6.50	3.80 *	FNUG305TX
Blue	2.00/7.50	3.80 *	FNUG315TX
Blue	3.00/8.50	3.80 *	FNUG330TX
Blue	1.00/6.50	4.40	FNUG405TX
Blue	2.00/7.50	4.40	FNUG415TX
Blue	3.00/8.50	4.40	FNUG430TX
Pink	1.00/6.50	4.80	FNUG505TX
Pink	2.00/7.50	4.80	FNUG515TX
Pink	3.00/8.50	4.80	FNUG530TX
Pink	1.00/6.50	6.30	FNUG605TX
Pink	2.00/7.50	6.30	FNUG615TX
Pink	3.00/8.50	6.30	FNUG630TX



All Ti-Base ZiaCam® Tx30® abutments come with a special Kiran® Tx30® screw with surface treatment Ref. DSG4010TX.

ZiaCam® scanbody to Ti-Base ZiaCam®



Platf.	Length (L)	Reference
Blue	7.00/Mod. 1 *	FNSFEX201
Pink	7.00/Mod. 2	FNSFEX341



\* (2) Model 1 (Mod.1) must be used with the 3.80 mm diameter Ti-Base ZiaCam®.

(1) Gingival heights of 3.00 mm have a maximum angle of 20° (all other heights have a maximum of 30°).

Ti-Base ZiaCam® products marked with \* can only be used with 3.80 mm diameter ZiaCam® scanbody Mod. 1 Ref. FNSFEX201.

For more information on the recommendations for the use of interfaces in zirconia restorations see the literature available at [www.ziacom.es/en/bibliography](http://www.ziacom.es/en/bibliography)

For more information on the use of abutments see the "Prosthetic procedure manual" available at [www.ziacom.es/en/download-eng](http://www.ziacom.es/en/download-eng)





ZV2<sup>®</sup>



# Abutments

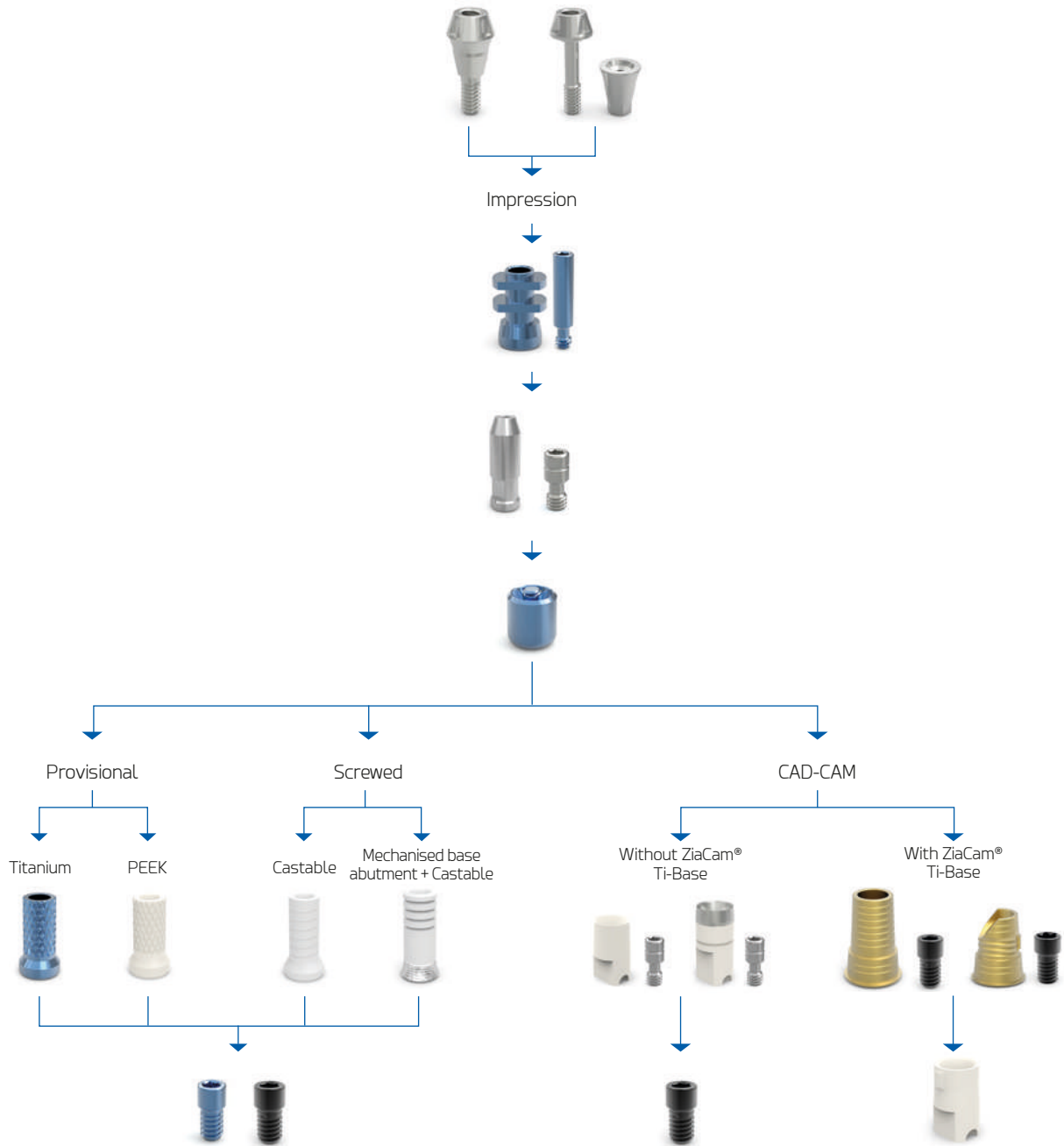
Restorations  
using transepithelials



Basic®

Demonstrative sequence of use

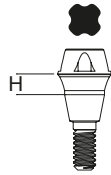
# Basic®



 For more information on the use of abutments see the "Prosthetic procedure manual" available at [www.ziacomes/en/download-eng](http://www.ziacomes/en/download-eng)



**Basic® abutment**

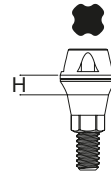


Platf.	Height (H)	Reference
▼	1.50	BASICG415
▼	2.50	BASICG425
▼	3.50	BASICG435
▼	4.50	BASICG445
▼	5.50	BASICG455
■	1.50	BASICG515
■	2.50	BASICG525
■	3.50	BASICG535
■	4.50	BASICG545

Insertion key Ref. MABA100/MABA110



**Basic® abutment**



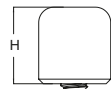
Platf.	Height (H)	Reference
▼	1.50	BASICG415N
▼	2.50	BASICG425N
▼	3.50	BASICG435N
▼	4.50	BASICG445N
▼	5.50	BASICG455N
■	1.50	BASICG515N
■	2.50	BASICG525N
■	3.50	BASICG535N
■	4.50	BASICG545N

Insertion key Ref. MABA100/MABA110



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

**Basic® healing abutment**

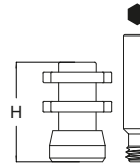


System	Height (H)	Reference
Basic®	5.00	BAHAEX34

Anodised ■ RP



**Basic® impression abutment**



**Rotatory**

System	Height (H)	Reference
Basic®	8.00	BATC134

Anodised ■ RP



**Non-rotatory**

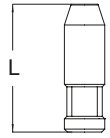
System	Height (H)	Reference
Basic®	8.00	BATN134

Anodised ■ RP



All Basic® impression abutments come with a screw.

**Basic® analogue**



**Rotatory**

System	Length (L)	Reference
Basic®	13.00	BAIAEX34



**Non-rotatory**

System	Length (L)	Reference
Basic®	13.00	BAIANEX34



**Basic® 3D analogue**

System	Length (L)	Reference
Basic®	13.00	BAIAEX34D



# ABUTMENTS | Restorations using transepithelials

Basic®

XDrive®

## Basic® clinical screw



System	Length (L)	Reference
Basic®	4.30	BDSEI3400

Anodised ■ RP



## Kiran® Basic® clinical screw



System	Length (L)	Reference
Basic®	4.30	BDSEI3410



Special Kiran® screw with surface treatment.

## Basic® laboratory screw



System	Length (L)	Reference
Basic®	5.50	BDSEI3401



NOT apt for use as the final clinical screw.

## Kiran® Tx30® Basic® clinical screw

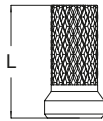


System	Length (L)	Reference
Basic®	4.10	BDSEI34TX



Special Kiran® Tx30® screw with surface treatment.

## Basic® provisional abutment

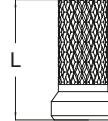


System	Length (L)	Reference
Basic®	8.50	BARUT10

Anodised ■ RP



## Basic® provisional abutment



### Rotatory

System	Length (L)	Reference
Basic®	8.50	BARUP34

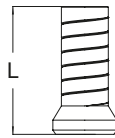


### Non-rotatory

System	Length (L)	Reference
Basic®	8.50	BANUP34



## Basic® UCLA



System	Length (L)	Reference
Basic®	9.00	BARUEX34



## Basic® mechanised base abutment + Castable abutment



### Rotatory

System	Length (L)	Reference
Basic®	11.00	BBRU34



### Non-rotatory

System	Length (L)	Reference
Basic®	11.00	BBNU34



Digital CAD-CAM

ZiaCam® scanbody to Basic® abutment



Rotatory

System	Length (L)	Reference
Basic®	7.00	FNSYB11



Non-rotatory

System	Length (L)	Reference
Basic®	7.00	FNSYB11N



Indicated for the laboratory.

ZiaCam® scanbody to Basic® abutment



Rotatory

System	Length (L)	Reference
Basic®	8.70	FNSYB11T



Non-rotatory

System	Length (L)	Reference
Basic®	8.70	FNSYB11NT



Indicated for the clinic.

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

Ti-Base ZiaCam® to Basic®



Rotatory

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



Non-rotatory

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



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

Ti-Base ZiaCam® Tx30® to Basic®



Rotatory

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



Non-rotatory

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



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

ZiaCam® scanbody to Ti-Base Basic®



System	Length (L)	Reference
Basic®	7.00	FNSFX11



Basic®

# ABUTMENTS | Restorations using transepithelials

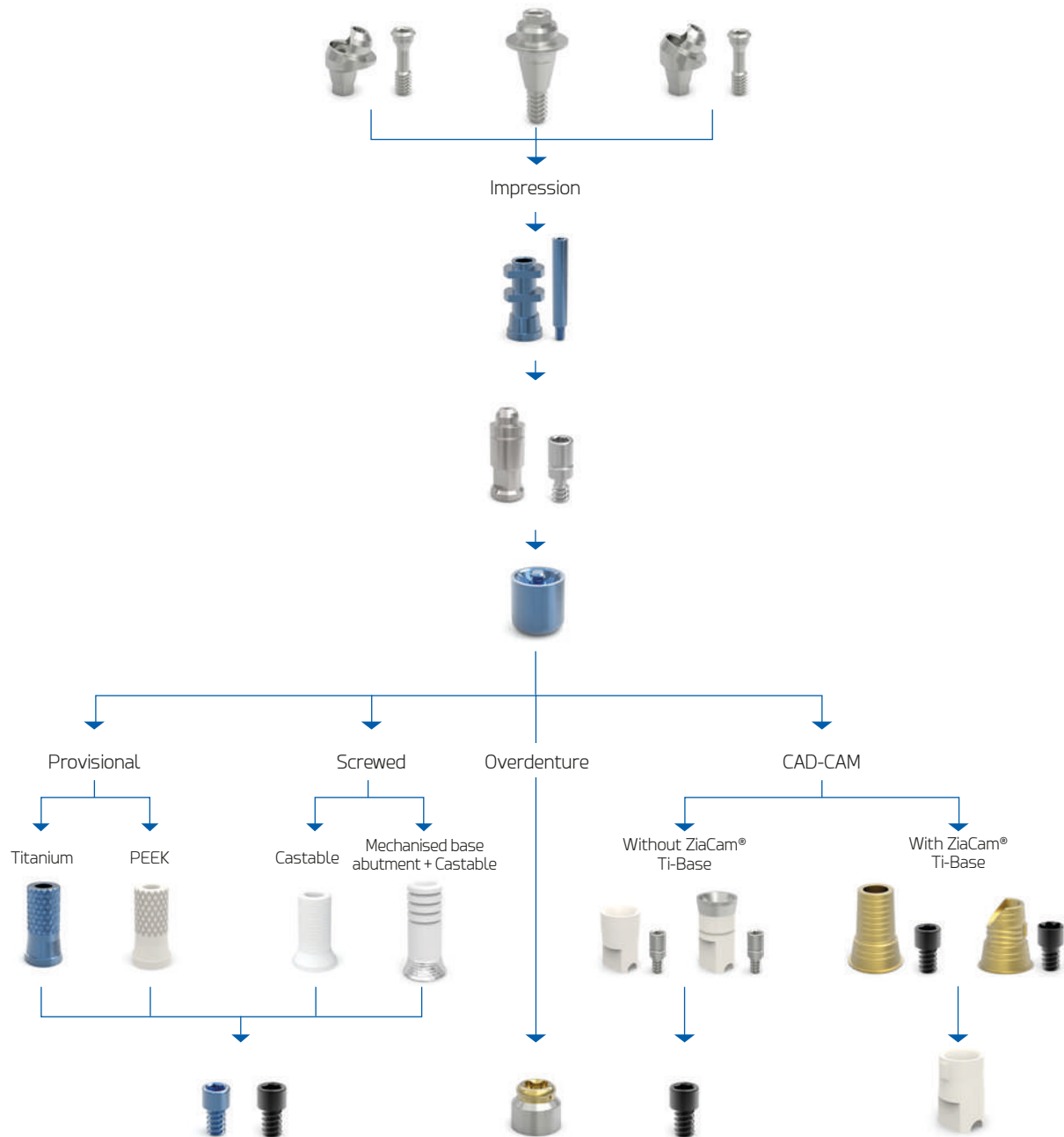
Basic®

XDrive®

## XDrive®

Demonstrative sequence of use

# XDrive®



 For more information on the use of abutments see the "Prosthetic procedure manual" available at [www.ziacomes/en/download-eng](http://www.ziacomes/en/download-eng)



**XDrive® straight abutment**



Platf.	Height (H)	Reference
	1.50	XST10G15
	2.50	XST10G25
	3.50	XST10G35
	4.50	XST10G45
	5.50	XST10G55
	1.50	XST20G15
	2.50	XST20G25
	3.50	XST20G35

Insertion key Ref. MABA200/MABA210



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

21° cone angle. 42° angle between abutments.

**XDrive® 17° angled abutment**



Platf.	Height (H)	Reference
	2.50	XA210G17
	3.50	XA310G17
	4.50	XA410G17
	5.50	XA510G17
	2.50	XA220G17
	3.50	XA320G17



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



**XDrive® healing abutment**



System	Height (H)	Reference
XDrive®	5.00	XH103400

Anodised RP



**XDrive® impression abutment**



System	Height (H)	Reference
XDrive®	10.50	XT103411

Anodised RP



Includes screw.

**XDrive® analogue**



System	Length (L)	Reference
XDrive®	13.00	XIA103400



**XDrive® 3D analogue**

System	Length (L)	Reference
XDrive®	13.00	XIA103400D

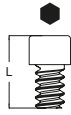


# ABUTMENTS | Restorations using transepithelials

Basic®

XDrive®

## XDrive® clinical screw

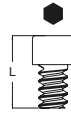


System	Length (L)	Reference
XDrive®	3.50	XDS103410

Anodised ■ RP



## Kiran® XDrive® clinical screw

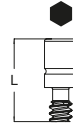


System	Length (L)	Reference
XDrive®	3.50	XDS103411



Special Kiran® screw with surface treatment.

## XDrive® laboratory screw

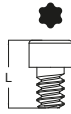


System	Length (L)	Reference
XDrive®	5.10	XLB103410



NOT apt for use as the final clinical screw.

## Kiran® Tx30® XDrive® clinical screw



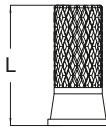
For Ti-Base ZiaCam® or metal structures

System	Length (L)	Reference
XDrive®	3.50	XDS3411TX



Special Kiran® Tx30® screw with surface treatment.

## XDrive® provisional abutment

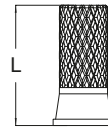


System	Length (L)	Reference
XDrive®	9.50	XST3410

Anodised ■ RP



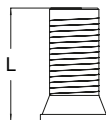
## XDrive® provisional abutment



System	Length (L)	Reference
XDrive®	9.50	XSP3410



## XDrive® UCLA abutment



System	Length (L)	Reference
XDrive®	8.00	XRU103400



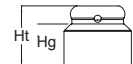
## XDrive® mechanised base abutment + Castable abutment



System	Length (L)	Reference
XDrive®	11.00	XBRU34



## Kirator® XDrive® abutment



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

Kirator® abutment with gold surface treatment.





Digital CAD-CAM

ZiaCam® scanbody to XDrive® abutment



System	Length (L)	Reference
XDrive®	7.00	FNSYX11



Indicated for the laboratory.

ZiaCam® scanbody to XDrive® abutment



System	Length (L)	Reference
XDrive®	8.70	FNSYX11T



Indicated for the clinic.

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

Ti-Base ZiaCam® XDrive®



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



Includes special Kiran® screw with surface treatment Ref. XDS103411.

Ti-Base ZiaCam® Tx30® XDrive®

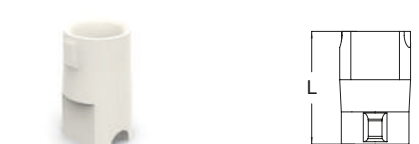


System	Height (Hg/Ht)	Reference
XDrive®	0.15/5.70	XFRU341TX



Includes special Kiran® Tx30® screw with surface treatment Ref. XDS3411TX.

ZiaCam® scanbody to Ti-Base XDrive® abutment



System	Length (L)	Reference
XDrive®	7.00	FNSFX11



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

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.

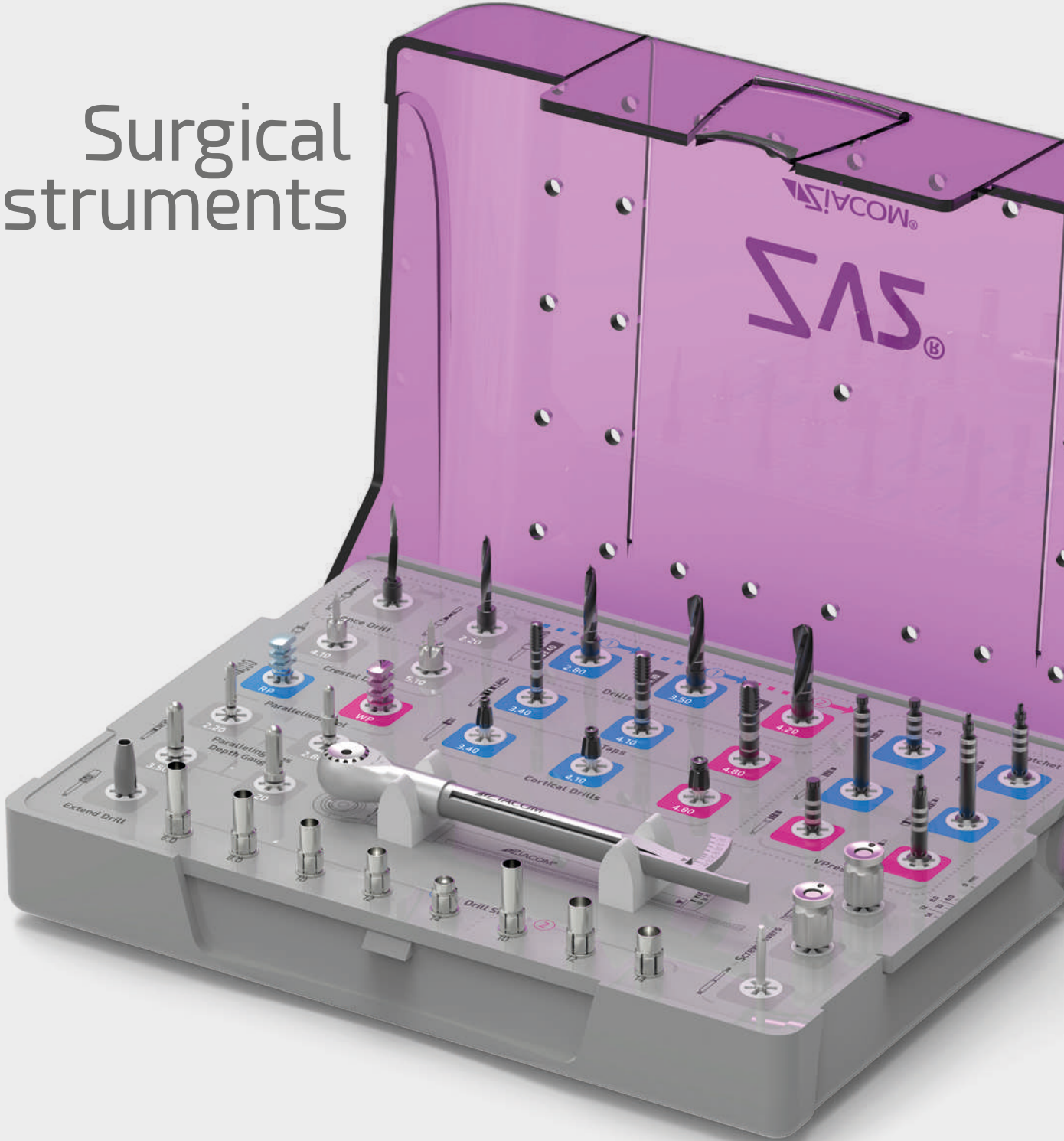
ATTENTION

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



ZV2<sup>®</sup>

# Surgical instruments




# SURGICAL INSTRUMENTS

Surgical box    Surgical drills    Pin    Stops    Taps    Depth gauges    Keys    Screwdrivers    Ratchets

## Surgical box

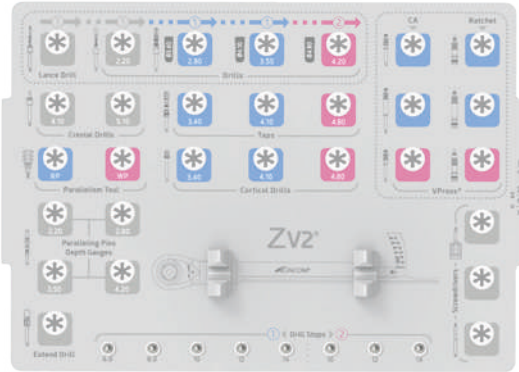
### Contents of ZV2® boxes available

Platf.	Contents	Reference
	Empty	BOX920
	Basic, manual/CA	BOX900SZV2
	Complete, manual/CA	BOX901ZV2



Material: radel.

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



### Contents of surgical boxes

REF	Description	BOX900SZV2	BOX901ZV2
SID010	Lance drill. Ø2.00 mm	●	●
OSPD22Z	Pilot drill. Ø16/2.00 mm. Millimeter	●	●
OSTD28Z	Surgical drill. Ø180/2.50 mm. Millimeter	●	●
OSTD35Z	Surgical drill. Ø3.50 mm. Millimeter	●	●
OTD42Z	Surgical drill. Ø4.20 mm. Millimeter	●	●
OTDZ1CA	Cortical drill. Ø3.50 mm	●	●
OTDZ2CA	Cortical drill. Ø4.10 mm	●	●
OTDZ3CA	Cortical drill. Ø4.80 mm	●	●
CLD34	Crestal surgical drill. Ø4.10 mm		●
CLD50	Crestal surgical drill. Ø5.10 mm		●
PMT1G	Paralleling pin. ZV2®, RP. Manual. Grade 5 ELI titanium		●
PMT2G	Paralleling pin. ZV2®, WP. Manual. Grade 5 ELI titanium		●
VTPD106	Calibrated drill stop. ZV2®, 3. H6 mm. Grade 5 ELI titanium		●
VTPD108	Calibrated drill stop. ZV2®, 3. H8 mm. Grade 5 ELI titanium		●
VTPD110	Calibrated drill stop. ZV2®, 3. H10 mm. Grade 5 ELI titanium		●
VTPD112	Calibrated drill stop. ZV2®, 3. H12 mm. Grade 5 ELI titanium		●
VTPD114	Calibrated drill stop. ZV2®, 3. H14 mm. Grade 5 ELI titanium		●
VTPD210	Calibrated drill stop. ZV2®, 4. H10 mm. Grade 5 ELI titanium		●
VTPD212	Calibrated drill stop. ZV2®, 4. H12 mm. Grade 5 ELI titanium		●
VTPD214	Calibrated drill stop. ZV2®, 4. H14 mm. Grade 5 ELI titanium		●
VTAP34M	Surgical tap. ZV2®, RP. Ø3.40 mm. Millimeter. CA/Manual	●	●
VTAP41M	Surgical tap. ZV2®, RP. Ø4.10 mm. Millimeter. CA/Manual	●	●
VTAP48M	Surgical tap. ZV2®, WP. Ø4.80 mm. Millimeter. CA/Manual	●	●
MUR100V2	Depth gauge/Paralleling pin. Ø2.20 mm. Millimeter. Grade 5 ELI titanium		●
MUR200V2	Depth gauge/Paralleling pin. Ø2.20/2.80 mm. Millimeter. Grade 5 ELI titanium		●
MUR300V2	MDepth gauge/Paralleling pin. Ø3.50 mm. Millimeter. Grade 5 ELI titanium		●
MUR400V2	Depth gauge/Paralleling pin. Ø4.20 mm. Millimeter. Grade 5 ELI titanium		●
SMRGV	VPress® insertion key. Millimeter. Ratchet	●	●
LMRGV	VPress® insertion key. Long. Millimeter. Ratchet	●	●
SMWGV	VPress® insertion key. Short. Millimeter. Ratchet	●	●
SMRGV1	VPress® insertion key. Short. Millimeter. CA	●	●
LMRGV1	VPress® insertion key. Long. Millimeter. CA	●	●
SMWGV1	VPress® insertion key. Short. Millimeter. CA	●	●
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	●	●
TORK70	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



Instrument with DLC surface treatment.

**ZV2® pilot drill**



Platf.	Diameter (Ø)	Length (L)	Reference
	2.20	16.00	OSPD22Z

Millimeter: 6/8/10/12/14



Instrument with DLC surface treatment.

**ZV2® surgical drill**



Platf.	Diameter (Ø)	Length (L)	Reference
	2.80	16.00	OSTD28Z
	3.50	16.00	OSTD35Z
	4.20	16.00	OTD42Z

Millimeter: 6/8/10/12/14 for drills with diameters of 2.80/3.50 mm.

Millimeter: 10/12/14 for drill with diameter of 4.20 mm.



Instrument with DLC surface treatment.

**ZV2® cortical drill**



Platf.	Diameter (Ø)	Reference
	3.50	OTDZ1CA
	4.10	OTDZ2CA
	4.80	OTDZ3CA



Instrument with DLC surface treatment.

**Crestal surgical drill**



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



**Pin**

**ZV2® paralleling pin**



Platf.	Diameter (Ø)	Length (L)	Reference
	4.50	11.00	PMT1G
	5.50	11.00	PMT2G



**Stops**

**ZV2® calibrated drill stop**



Fresa	Tipo	Length (L) Implants	Reference
	3	6.00	VTPD106
		8.00	VTPD108
		10.00	VTPD110
		12.00	VTPD112
	4	14.00	VTPD114
		10.00	VTPD210
		12.00	VTPD212
Pack *		14.00	VTPD214
		--	KSTPV120

\* Complete pack of 8 calibrated stops.



**Taps**

**ZV2® surgical tap. CA**



Platf.	Diameter (Ø)	Reference
	3.40	VTAP34M
	4.10	VTAP41M
	4.80	VTAP48M

Millimeter: 6/8/10/12/14



Instrument with DLC surface treatment.

## SURGICAL INSTRUMENTS

Surgical box

Surgical drills

Pin

Stops

Taps

Depth gauges

Keys

Screwdrivers

Ratchets

### Depth gauges

#### ZV2® depth gauge/Paralleling pins



Platf.	Diameter (Ø)	Length (L)	Reference
	2.20	26.00	MUR100V2
	2.80	27.00	MUR200V2
	3.50	26.00	MUR300V2
	4.20	26.00	MUR400V2

Millimeter: 6/8/10/12/14



### Keys

#### VPress® insertion key. Ratchet



Platf.	Length (L)	Reference
	11.50/Short	SMRGV
	18.50/Long	LMRGV
	11.50/Short	SMWGV
	18.50/Long	LMWGV

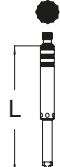
● Double hexagon / ■ Square 4x4 mm

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



Instrument with DLC surface treatment.

#### VPress® insertion key. CA



Platf.	Length (L)	Reference
	22.20/Short	SMRGV1
	32.20/Long	LMRGV1
	17.00/Short	SMWGV1
	27.00/Long	LMWGV1

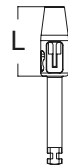
● Double hexagon

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



Instrument with DLC surface treatment.

#### Drill extender

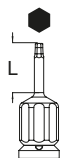


Platf.	Length (L)	Reference
Universal	13.50	DEXT10



### Screwdrivers

#### Surgical screwdriver. Manual



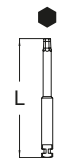
Platf.	Length (L)	Reference
Universal	2.80/Mini	XSMSD *
	9.50/Short	SMSD
	14.50/Long	LMSD
	27.00/Extralong	XLMSD *

● Hexagonal 1.25 mm



\* 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



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

### Ratchets

#### Regulable torque wrench



Platf.	Length (L)	Reference
Universal	99.00	TORK 70

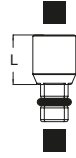
■ Square 4x4 mm



For more information on the use of surgical instruments see the section "Surgical protocols" on page 54 of this catalogue.

## Adapters

### Ratchet extension



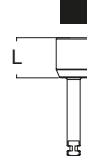
Platf.	Length (L)	Reference
Universal	7.20	LAEX

■ Square 4x4 mm



NOT included in the surgical box

### Ratchet to CA adaptor



Platf.	Length (L)	Reference
Universal	7.20	MAEX

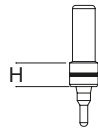
■ Square 4x4 mm



NOT included in the surgical box.

## Laboratory test kit

### Laboratory test kit



Platf.	Height (H)	Reference
	4.00	GLAB40
	4.00	GLAB50

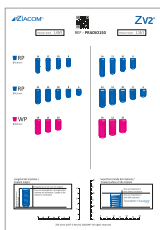


This product does not supersede the need for careful planning of each clinical case.

NOT included in the surgical box.

## Radiographic templates

### ZV2® radiographic template



Platf.	Model	Reference
	ZV2®	PRADIO150

Scales 1:1 and 1:1.25

Material: transparent acetate. Non-sterilisable material

See the literature available at [www.ziacomes/en/bibliography](http://www.ziacomes/en/bibliography)





ZV2<sup>®</sup>



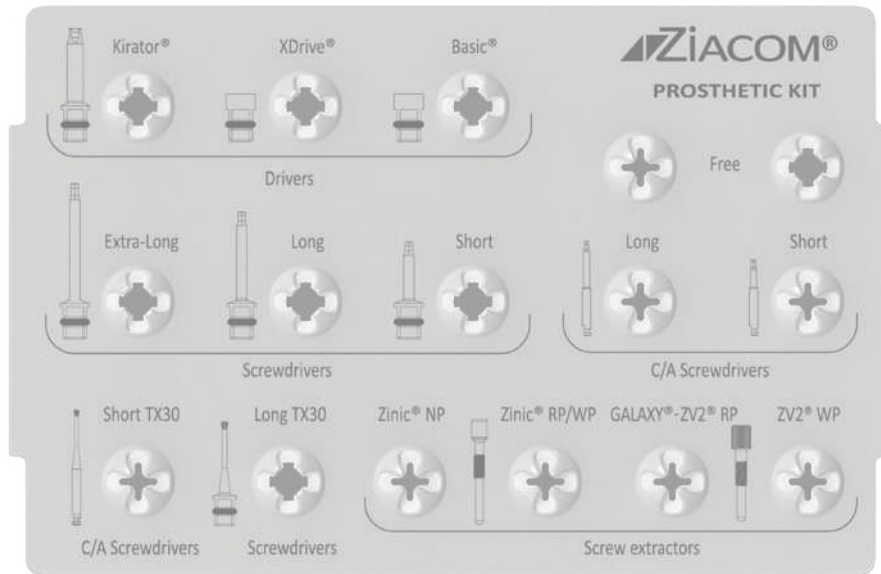
# Prosthetic instruments



# PROSTHETIC INSTRUMENTS

- Prosthetic box
- Ratchets
- Keys
- Screwdrivers
- Extractor screw

## Prosthetic box



### Contents of prosthetic boxes available

Contents	Reference
Empty	BOXPN
Basic	BOXPSN
Complete	BOXPCN



Material: Radel

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



### Contents of prosthetic boxes

REF	Description	BOXPSN	BOXPCN
TORK50	Regulable torque wrench. 10/20/30/40/50/60/70 Ncm	●	●
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. Ø125 mm. Short. Ratchet	●	●
LMSD1	Screwdriver tip. Ø125 mm. Long. Ratchet	●	●
XLMSD1	Screwdriver tip. Ø125 mm. Extralong. Ratchet		●
MESD	Screwdriver tip. Ø125 mm. Long. CA.	●	●
MESD01	Screwdriver tip. Ø125 mm. Short. CA.	●	●
MESD1TX	Tx30® screwdriver tip. Long. CA.	●	●
LMSD1TX	Tx30® screwdriver tip. Long. Ratchet	●	●
EDSZ20 *	ZPlus®/Z2Plus® extractor screw. Zinic®, NP. Grade 5 ELI titanium		●
EDSZ34 *	ZPlus®/Z2Plus® 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		●

\* Product not included in the ZV2® system.

Ratchets

Regulable torque wrench



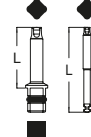
Platf.	Length (L)	Reference
Universal	86.80	TORK50

■ Square 4x4 mm



Keys

Kirator® insertion key



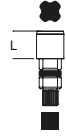
System	Length (L)	Reference
Kirator®	13.60/Ratchet/Manual 20.00/CA	LOSD01 LOSD02 *

◆ Square 2.11 mm / ■ Square 4x4 mm



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

Basic® insertion key. Ratchet



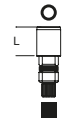
System	Length (L)	Reference
Basic®	5.00/Short 13.00/Long	MABA100 MABA110 *

◆ Basic / ■ Square 4x4 mm



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

XDrive® insertion key. Ratchet



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

○ XDrive / ■ Square 4x4 mm



\* Ref. MABA210, is NOT included in the prosthetic box.3

Screwdrivers

Screwdriver adapter handle

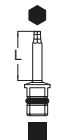


Platf.	Length (L)	Reference
Universal	15.50	MADW10

■ Square 4x4 mm



Screwdriver tip. Ratchet



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

■ Square 4x4 mm



Screwdriver tip. CA



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



Tx30® screwdriver tip. CA



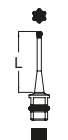
System	Length (L)	Reference
Tx30®	26.00/Short 32.00/Long	MESD01TX * MESDTX



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 18.00/Long	SMSD1TX * LMSD1TX

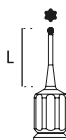
■ Square 4x4 mm



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 18.00/Long	SMSD1TX * LMSD1TX *



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

\* Ref. SMSD1TX/LMSD1TX are NOT included in the prosthetic box.

## PROSTHETIC INSTRUMENTS

Prosthetic box

Ratchets

Keys

Screwdrivers

Extractor screw

### Extractor screw

#### ZPlus®/Z2Plus® extractor screw



Platf.	Length (L)	Reference
●	13.50	EDSZ20 *
● ●	13.50	EDSZ34 *

Anodised NP RP/WP



#### Galaxy®/ZV2® abutment extractor screw



Platf.	Length (L)	Reference
■	15.00	EDSG34
■	15.00	EDSG50

Anodised RP WP



\* Product not included in the ZV2® system.

## PROSTHETIC INSTRUMENTS | Complementary instruments

Adapters

### Adapters

#### CA to ratchet adapter



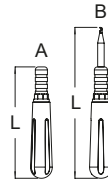
Platf.	Length (L)	Reference
Universal	11.00	MC10Z

■ Square 4x4 mm



NOT included in the prosthetic box

#### Extractor + Retainer inserter handle

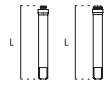


Platf.	A Length (L)	B Length (L)	Reference
Kirator®	81.50	110.40	MBEI3610
ZM-Equator®			



NOT included in the prosthetic box

#### Retainer inserter



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



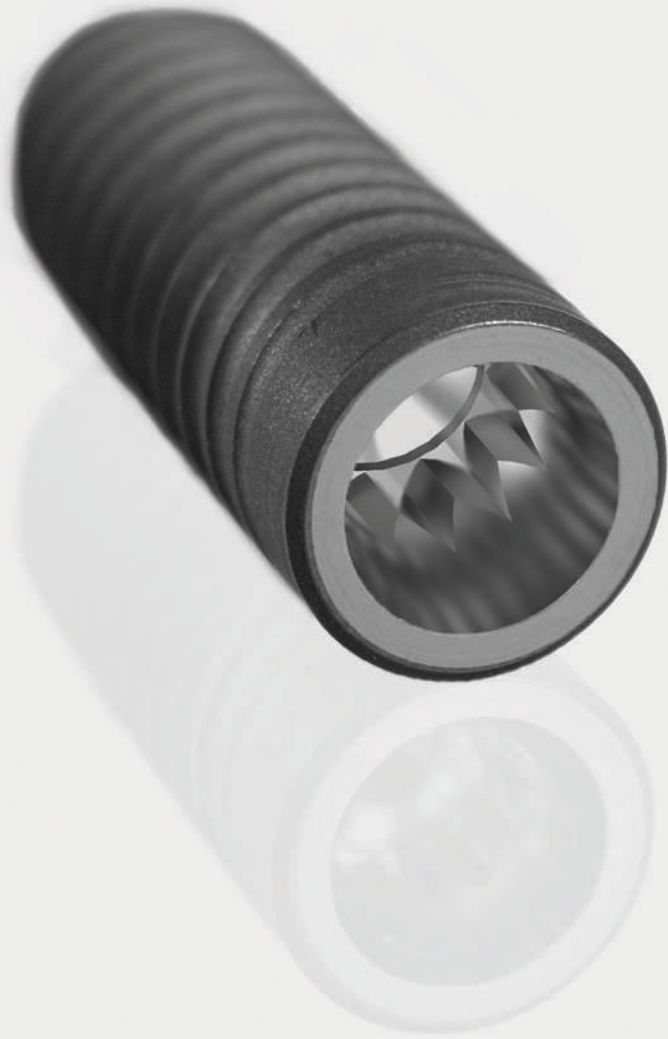
Kirator® / ZM-Equator® plastic coping insertion tool.  
NOT included in the prosthetic box

### Retentive joints instruments



Platf.	Medida	Reference
Universal	2x1	RREI0030

Pack of 10 units



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# Surgical protocols |

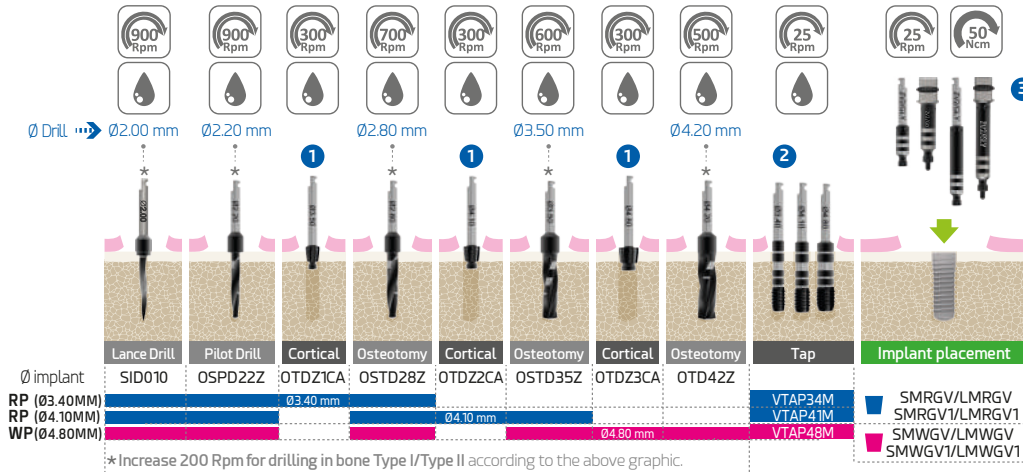


# Surgical protocol

## Drilling protocol - ZIACOM® No-Mount

Rotation Irrigation required Drill diameter See instructions Torque

Detailed speeds are the recommended



### About ZIACOM® No Mount for ZV2®

This blister format allows implantologists to conveniently remove the implant from the vial and place it in the surgical site with a direct instrument in one step, reducing surgical time.

The No Mount implant facilitates instrumentation in confined spaces and allows better visibility of the working field. (Consult the ZV2® instructions for use (IFU)).



ZV2®



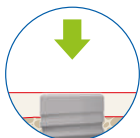
Step 1: VPress® insertion key connection



Step 2A: implant final position with CA



Step 2B: implant final position with ratchet



#### Implant placement at crestal level

ZV2® implant platforms should be placed at bone crest level.

### 1 Cortical drill usage

Depending on implant diameter and bone type:



Bone type	Implant diameter		
	Ø3.30 mm	Ø4.10 mm	Ø4.80 mm
Type I	Mandatory*	Mandatory*	Mandatory*
Type II	Mandatory*	Mandatory*	Mandatory*
Type III-IV	Mandatory*	Mandatory*	Mandatory*

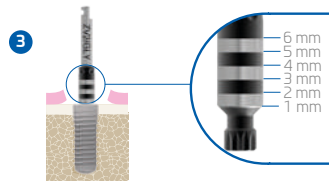
\* Use of the cortical drill for maxillary sinus lifts is not recommended.

### 2 Tap usage

Depending on implant diameter and bone type:



Bone type	Implant diameter		
	Ø3.30 mm	Ø4.10 mm	Ø4.80 mm
Type I	Total	Total	Total
Type II	Total	Total	Total
Type III-IV	Not necessary	Total	Total



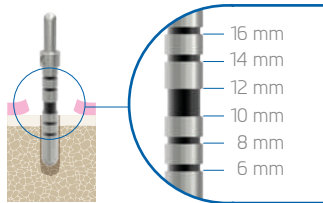
### VPress® depth measurements

VPress® insertion keys for RP and WP have horizontal marks to guide the depth of the implant placement, according to each clinical case.



# General recommendations

## Supplementary instrument



### Depth gauge/Paralleling pin

Check the surgical site depth, especially if stoppers were not used.

To check the surgical site axis, the paralleling pins have different diameters according to the drilling sequence.

## Consider during intervention



**Surgical drills should be inserted** in the contra-angle with the surgical motor stopped, ensuring correct anchoring and rotation before starting drilling. Treat the drills with great care: the slightest damage to the tips can compromise their effectiveness.



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

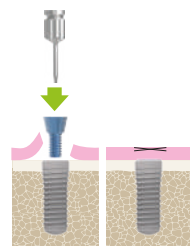


**Damaged instruments** must be disposed of according to local regulations.



**The clinician must keep** in the patient's file the identification label supplied with the product, for proper traceability.

## Cover screw handling



Position the cover screw on the screwdriver. Approach the implant by avoiding accidental dropping and ingestion of the screw. Insert it into the implant with manual torque and clockwise.

## Second phase surgical procedure

### Healing abutment placement



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

## IMPORTANT WARNINGS

### About implant placement

Excessive compression to the bone can lead a non-osseointegration of the implant.

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

- Lack of primary stability due to loss of support bone.
- Difficulties during the implant placement.

Exceeding the torque (50 Ncm) at the implant insertion can produce:

- Irreversible distortions in the internal/external connection.
- Irreversible deformations in the instruments indicated for insertion of the implant.
- Difficulty of disassembling the instrument/implant assembly

### Maximum insertion torque and speed

The recommended insertion torque is between **35 and 50 Ncm** according to each case without being limited to a single torque



The Implant placement should be performed with controlled torque and according to the density and bone.

**Insertion instruments or contra-angle (CA) screwdrivers** use maximum speed of:



### ZV2® implants

ZIACOM® surgical protocol establishes a crestal position of the implant platform.

To avoid cortical stress and deformation of the key and/or connection of the implant, insertion with contra-angle (CA) must respect the maximum recommended rpm (**25 Rpm**) and the maximum indicated torque (**50 Ncm**).

If resistance is encountered during insertion, it is recommended to turn the insertion anticlockwise and after seconds of pause continue with the insertion. Repeat this process as many times as necessary.

Check the final insertion torque with the regulable torque wrench Ref. TORK 70 or with CA

Make sure that the entire implant with **Titansure® / Titansure® Active** surface treatment is completely covered with bone.

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.es/en/download-eng](http://www.ziacom.es/en/download-eng) which explained the procedures, protocols and instructions for use before using the ZV2® system by ZIACOM®.





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# 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 herein.

## Cleaning and disinfection instructions

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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.es/en/download-eng](http://www.ziacom.es/en/download-eng)

\*\* 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 autoclaves

---

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 15 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

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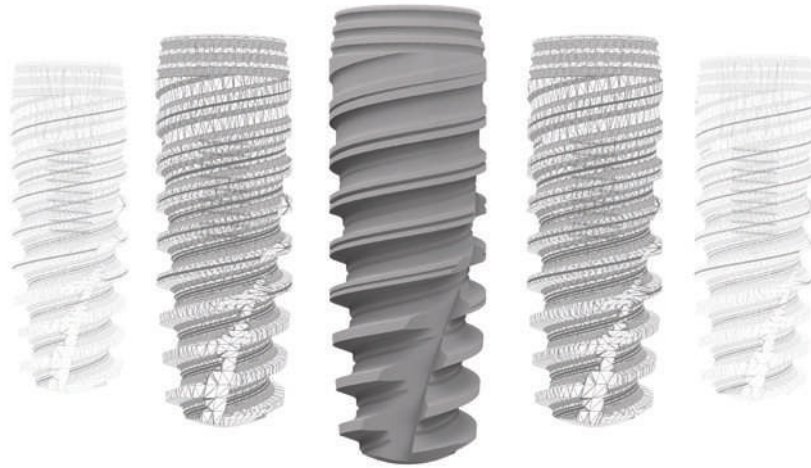
- Store the products in their original packaging and in a clean, dry location until they are used.
- After sterilisation, keep the products in the sealed sterilisation bags and in a clean, dry location.
- Never exceed the use by date indicated by the manufacturer of the sterilisation bags.
- Always follow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

## General recommendations

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- 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 SLU 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.





Consulte las condiciones generales de venta actualizadas en nuestra página web [www.ziacom.es](http://www.ziacom.es)

Consulte la disponibilidad de cada producto por país.

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