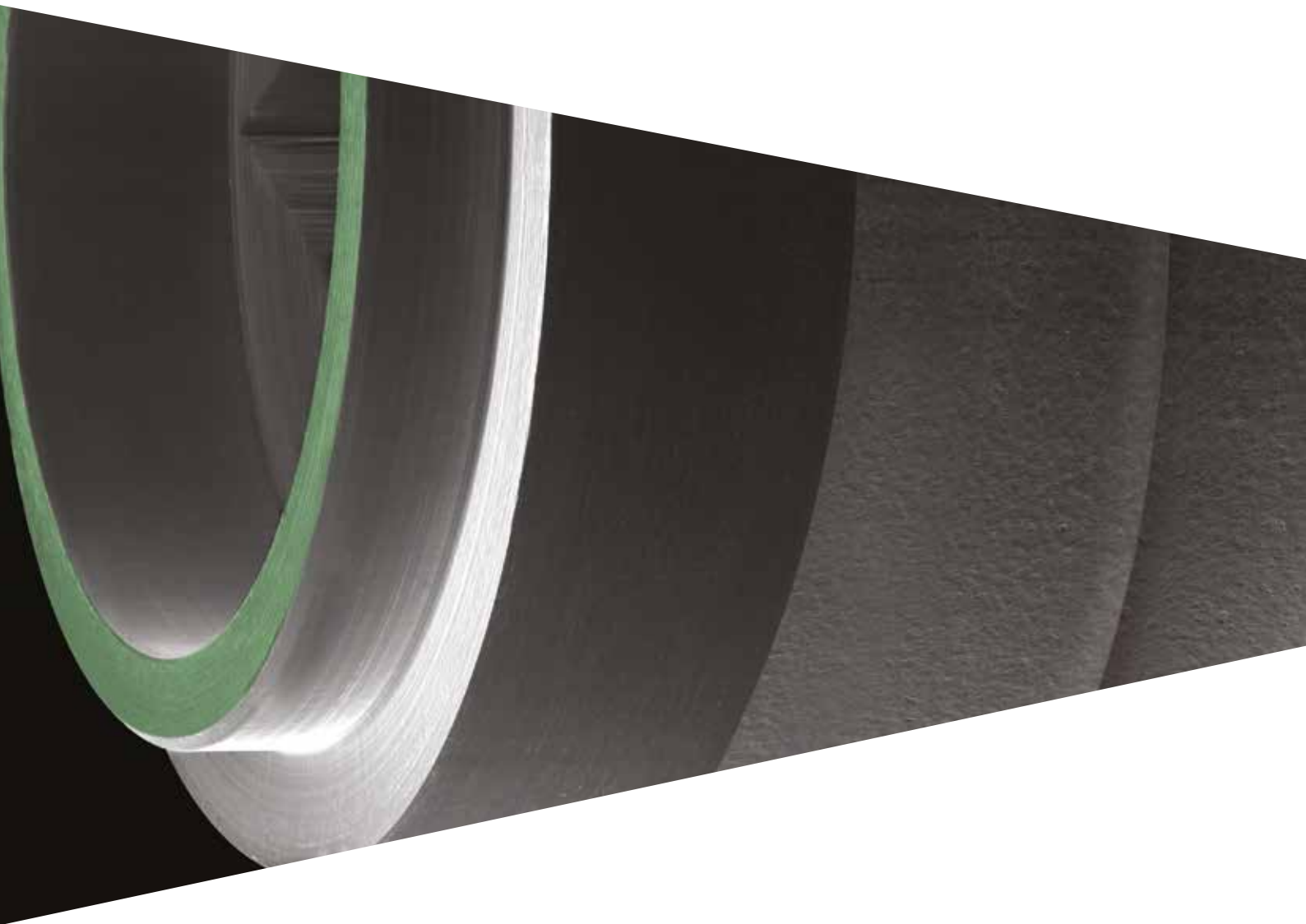


PREMIUM KOHNO



Premium Straight

Premium is the cylindrical implant with **17 years of clinical success and over 60 publications.**

All Premium Straight implants have a machined neck 0.80 mm high, a cylindrical shape and a standard thread with a pitch of 1.00 mm and a depth of 0.40 mm.

The implants with diameter 3.30 mm are characterised by a pitch of 0.60 mm and a triangular profile with a 50° angle and a depth of 0.30 mm.

The **cylindrical morphology** of the implant allows a **larger bone-implant contact** along the entire body of the implant. The implants have been designed for a double surgical phase, which requires the fixtures to remain submerged for the time needed for osseointegration, and also for immediate loading with single surgical phase.

Ø 3.30 mm Ø 3.80 mm Ø 4.25 mm Ø 5.00 mm



Premium Straight Shorty

Ø 4.25 mm Ø 5.00 mm Ø 3.30 mm Ø 3.80 mm Ø 4.25 mm Ø 5.00 mm

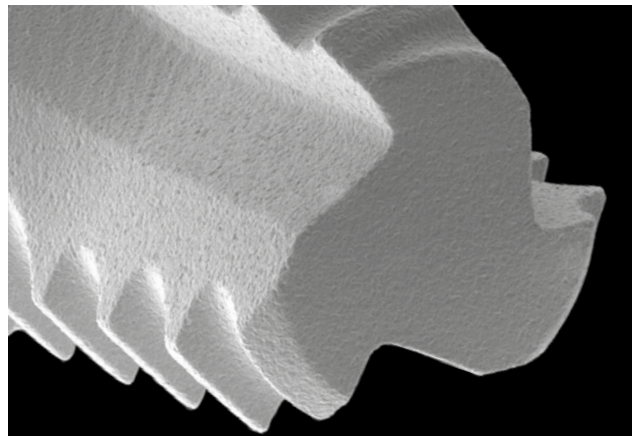


h 7.00

h 8.50

Premium Straight length range

Ø 3.30 mm	from 8.50 mm to 15.00 mm
Ø 3.80 mm	from 8.50 mm to 18.00 mm
Ø 4.25 mm	from 7.00 mm to 18.00 mm
Ø 5.00 mm	from 7.00 mm to 15.00 mm



Premium SP (Switching Platform)

Ø 3.80 mm

Ø 4.25 mm

Ø 5.00 mm



Premium SP Shorty

Ø 4.25 mm

Ø 5.00 mm

Ø 3.80 mm

Ø 4.25 mm

Ø 5.00 mm



h 7.00

h 8.50

The Switching Platform is a prosthetic rehabilitation technique that aims to distance the prosthetic connection platform from the cervical bone. The body and apex of the SP implants are the same as the equivalent Straight fixtures, but have a **different coronal emergence**. The neck progressively widens up to a distance of 0.30 mm from the emergence, and then returns to the platform diameter at the connection level. **Thus, the upper connection bevel offers a spacer plane between the crest bone level and platform joint.**

Premium SP length range

Ø 3.30 mm	-
Ø 3.80 mm	from 8.50 mm to 15.00 mm
Ø 4.25 mm	from 7.00 mm to 15.00 mm
Ø 5.00 mm	from 7.00 mm to 15.00 mm

Self-tapping apex

..... Great penetrating ability

..... Anti-rotation

..... Excellent self-tapping properties

..... Great primary stability

..... Three decompression and release areas for blood clot

Kohno Straight

In certain operating conditions, the **tapered morphology** of the Kohno implants allows **better use of the alveolar crest** and guarantees greater surface development in the crest zone in contact with the cortical bone, thus **promoting better stability** in patients with poor quality marrow bone.

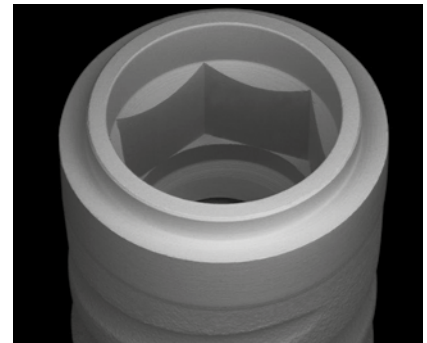
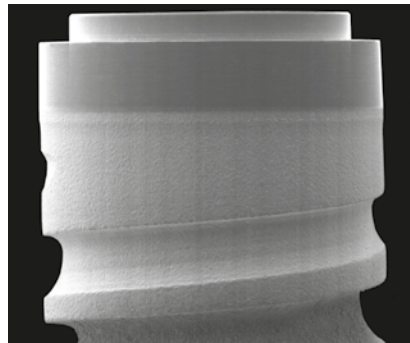
The tapered shape also **favours bone remodelling according to a natural shape** allowing to maintain crest thicknesses that guarantee the best physiological characteristics. The tapering depends on the implant height.

Ø 3.80 mm

Ø 4.25 mm

Ø 5.00 mm

Ø 6.00 mm



All the Kohno Straight implants, with cylindrical coronal emergence, have a machined neck 0.80 mm high, as well as the Premium Straight implants.

Kohno Straight length range

Ø 3.80 mm	from 10 mm to 18 mm
Ø 4.25 mm	from 10 mm to 18 mm
Ø 5.00 mm	from 10 mm to 13 mm
Ø 6.00 mm	from 8.5 mm to 11.5 mm

Rounded apex

Ideal in the procedures of sinus lift

Anti-rotating

Excellent self-tapping properties

Great primary stability.....

Three decompression and release areas for blood clot

Kohno SP (Switching Platform)

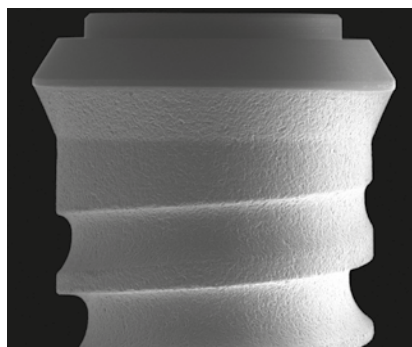
Ø 3.80 mm

Ø 4.25 mm

Ø 5.00 mm



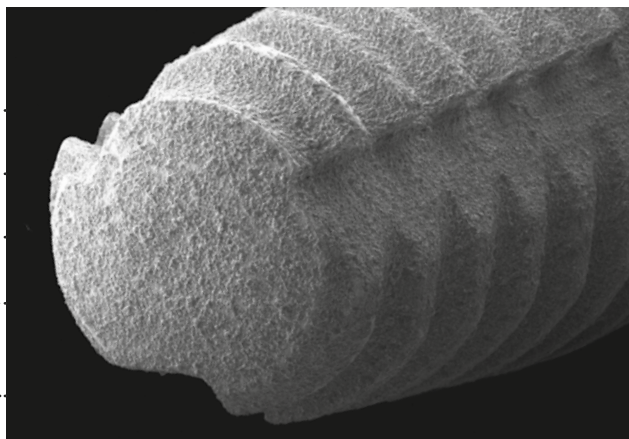
The Kohno SP implants, as well as the Premium SP ones, have a **neck that progressively widens up** to a distance of 0.30 mm from the emergence, and then returns to the implant diameter at the connection level. These implants require a suitable dimension of bone at the crest level because their crown diameter is greater than the diameter of the spires. Both the SP implants and the Straight ones have wide apical incisions that offer the same functional characteristics as those described above.



The neck of the Kohno SP implants, as well as the Premium SP one, progressively widens and then returns to the implant diameter at the connection level, and it allows to apply Switching Platform protocols. The maximum crown diameter is 0.60 mm.

Kohno SP length range

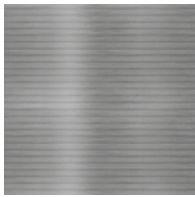
Ø 3.80 mm	from 10 mm to 15 mm
Ø 4.25 mm	from 10 mm to 15 mm
Ø 5.00 mm	from 10 mm to 13 mm
Ø 6.00 mm	-



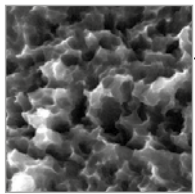
ZirTi Surface

(Zirconium Sand-Blasted Acid Etched Titanium)

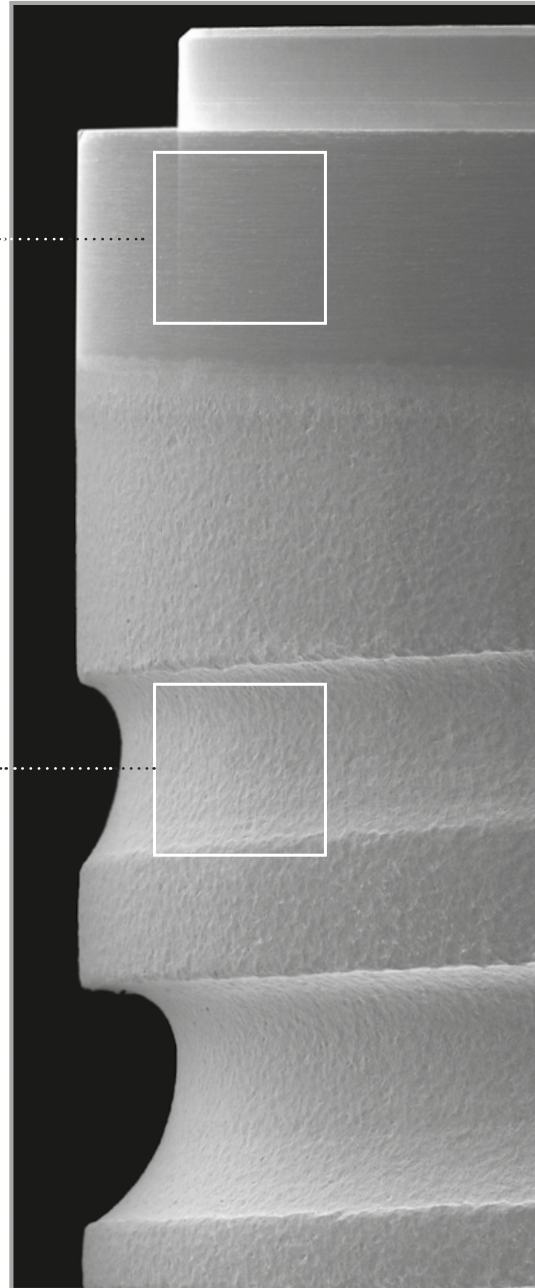
Premium Kohno implants are **characterised by a machined neck and a body with ZirTi treatment.**



The **machined neck** allows the perfect control of the connection diameter and prevents the accumulation of plaque in the area where it joins the post.



The implant body is **treated with appropriate subtraction techniques that give the surface the characteristic ZirTi morphology**, able to significantly increase the bone-implant contact surface and ensure excellent primary stability.



Easy and complete surgical kit

It is a **complete kit, with all the indispensable instruments** to ensure the surgeon of the rapid availability of everything needed **for the most varied surgical necessities.**

It also contains prosthetic drivers for the connecting screws of posts and abutments.

Alternatively, small kits are available for only Premium implants, for only Kohno implants, kits of only prosthetic drivers, and simplified kits.



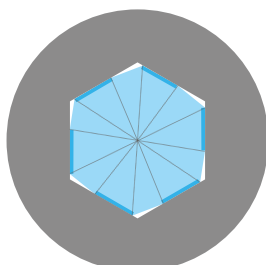
Mountless surgical procedure

The surgical procedure of insertion is extremely simple. The Premium Kohno implants do not require a mounter because they can be engaged directly inside the connection by practical Easy Insert drivers designed to guarantee a safe grip, to **prevent deformations to connections** and at the same time to allow easy removal from the implant wells. Easy Insert drivers are available with long or short right angle shank, and with hexagonal connector for dynamometric ratchet or hand knob.

The **special design** of the Easy Insert drivers prevent any deformations of the implant connection, since the driver's faces are the ones in contact with the implant well, instead of the driver's edges, guaranteeing in this way stability and very high prosthetic precision.



Traditional driver section



Easy Insert driver section

COLLEX connection

The COLLEX connection, supported by 17 years of clinical studies, is characterised by a wide internal hexagon, synonym of **high prosthetic stability**, guaranteed also by the collar that penetrates the posts, **giving to the prosthetic structure an excellent and unique strength**. The external collar of the COLLEX has the function of **guide and engagement of the Easy Insert driver**, the patented driver for the insertion of Premium Kohno implants, which guarantees the total preservation of the angles of the internal connection during the surgical procedure, very important condition for a correct prosthetic phase.



Ø 3.30 mm



Straight

Ø 3.80, Ø 4.25, Ø 5.00 mm



Switching Platform (SP)

Ø 3.80, Ø 4.25, Ø 5.00 mm

The strength properties of the COLLEX connection are also documented by a study carried out by the group of Prof. Covani, in which this connection was compared with another internal hexagon connection, but without the external prosthetic collar; the results highlighted values 25% higher in terms of robustness and stability of the prosthetic COLLEX compared to the connection without collar.

Covani U., Ricci M., Tonelli P., Barone A.

An evaluation of new designs in implant-abutment connections: a finite element method assessment
Implant Dentistry Volume 22, Number 3 2013

Connection analogies

Ø 3.30 mm



Ø 3.80 mm



Ø 4.25 mm



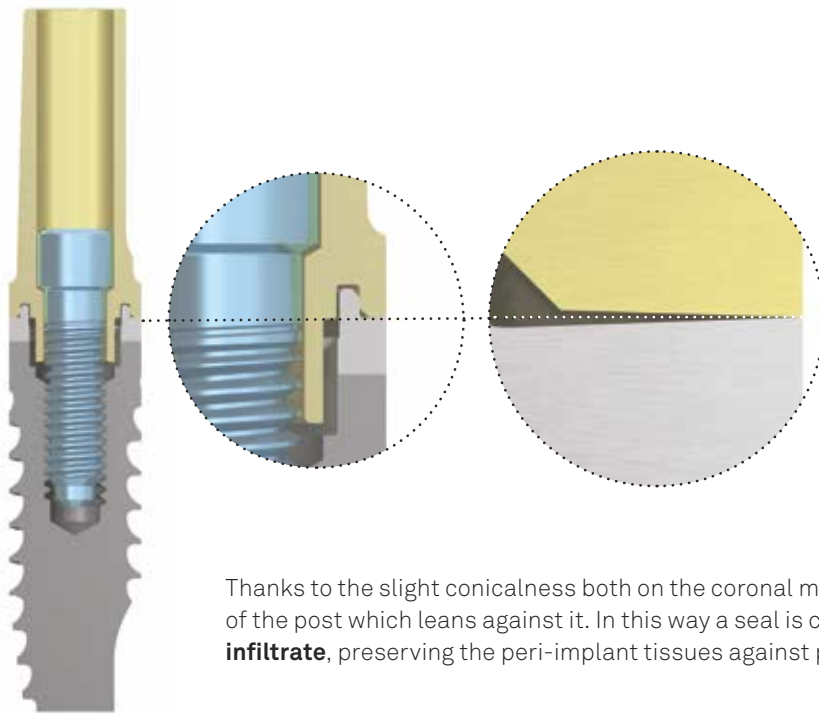
Ø 5.00 mm



Same hexagon, but in diameter
3.30 mm the collar is inside
the platform.

In these implant diameters the hexagon
is the same, the internal diameter of the
collar on top of the hexagon is the same,
but its external diameter increases
accordingly to the implant size.

CONTRACONE seal



Thanks to the slight conicalness both on the coronal margin of the implant and on the margin of the post which leans against it. In this way a seal is created, and it **hinders the bacterial infiltrate**, preserving the peri-implant tissues against possible inflammations.

One of the key factors in determining the success of an implant rehabilitation is the absence of bacterial infiltrate. The bacteria, penetrating until the implant-abutment joint level, proliferate and they can start an inflammatory process charged to the tissues around the implant.

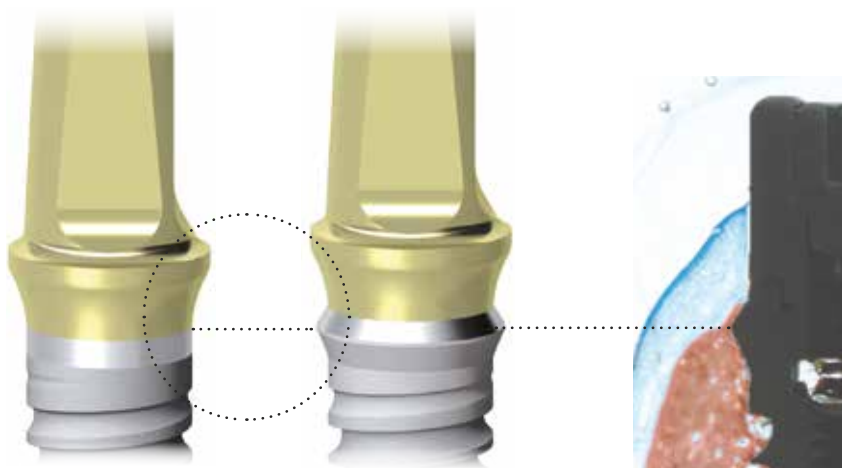
Sweden & Martina **special micro mechanical production process** creates a conical edge on both the implant platform and the abutment which connects to this implant, granting a peripheral seal able to **hinder the bacteria infiltrate at the implant-abutment joint**.

Microbiological assessment of the implant-abutment interface in different connections: cross-sectional study after 5 years of functional loading

Canullo L., Peñarrocha-Oltra D., Soldini C., Mazzocco F., Peñarrocha M.A., Covani U. Clin. Oral Impl. Res. 00, 2014, 1–9 doi: 10.1111/clr.12383.

Switching Platform

The Switching Platform is a prosthetic rehabilitation technique that aims to distance the prosthetic connection platform from the cervical bone. The abutment-implant junction is today indicated as one of the factors responsible for peri-implant bone reabsorption because it can trigger inflammatory reactions.



Premium Straight

Premium Switching Platform (SP)

Ground Section of Premium Switching Platform implant 4 months after insertion

Diameters being equal, implants with Straight emergence and Switching Platform emergence use the same prosthetic components. The Switching Platform technique used in this case is incorporated in the implant morphology.

(Image by kind permission of Dr. Daniele Botticelli)

Wide range of prosthetic solutions

The prosthetic solutions are many for all Sweden & Martina implant systems. Please refer to each catalogue for further details.

Impression and model phase

- Open tray transfers
- Pull-up transfers
- Implant analogs



Standard millable posts

- Straight
- Pre-angled
- Anatomical emergence



SIMPLE temporary posts

- Straight emergence
- Anatomical emergence



B.O.P.T. prosthetics

- B.O.P.T. Transgingival healing screw in titanium
- B.O.P.T. Temporary posts made of REEF resin
- B.O.P.T. Millable post in titanium



Pre-made posts

- Straight
- Angled at 15°
- Angled at 25°



Enterly castable posts, and castable posts with base in alloy, titanium and cobalt chrome

- Repositionable
- Non-repositionable
- Straight emergence
- Anatomical emergence



Prostheses on PLAIN abutments

- Healing caps
- Pick-up transfers
- Analogs
- Abutments



Individualised prosthesis ECHO2

- Individual posts in: titanium, zirconium, cobalt chrome
- Screw-retained bar structures in milled cobalt chrome and milled biotitanium
- Screw-retained bridge structures and Direct Bridges in zirconium, milled cobalt chrome, milled biotitanium PMMA and fiberglass



Prosthesis on intermediate abutments

- Transfers
- Analogs
- Abutments
- Sleeves



T-Connect

- Pre-made supports for making custom-made prostheses in zirconium with open CAD-CAM systems



P.A.D. (Disparallel Screwed Prosthesis)

- Direct screw-retained abutments straight and angled at 17° and 30°



Locator abutment*

- Abutments and caps for attaching overdentures to dental implants



* Locator abutments are Medical devices manufactured and patented by Zest Anchors, Inc., 2061 Wineridge Place, Escondido, CA 92029, USA. The European Agent for the purposes of MDD 93/42/EEC is Ventura Implant and Attachment Systems, 69 The Avenue, Ealing, London W13 8JR, England.



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