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.

<table>
<thead>
<tr>
<th>Premium Straight length range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 3.30 mm</td>
</tr>
<tr>
<td>Ø 3.80 mm</td>
</tr>
<tr>
<td>Ø 4.25 mm</td>
</tr>
<tr>
<td>Ø 5.00 mm</td>
</tr>
</tbody>
</table>
The Platform Switching 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

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 3.30 mm</td>
<td></td>
</tr>
<tr>
<td>Ø 3.80 mm</td>
<td>from 8.50 mm to 15.00 mm</td>
</tr>
<tr>
<td>Ø 4.25 mm</td>
<td>from 7.00 mm to 15.00 mm</td>
</tr>
<tr>
<td>Ø 5.00 mm</td>
<td>from 7.00 mm to 15.00 mm</td>
</tr>
</tbody>
</table>

### Self-tapping apex

- Great penetrating ability
- Anti-rotation
- Great primary stability
- Three decompression and release areas for blood clot
- Excellent self-tapping properties
ZirTi Surface

Premium implants are characterised by a machined neck and by a body with ZirTi (Zirconium Sand-Blasted Acid-Etched Titanium) 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 and ensure osseointegration.

Please refer to the following link to see the complete list of the studies about the ZirTi surface and to request your free copy of the bibliographic review SCIENTIFICA:
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, kits of only prosthetic drivers and simplified surgical kits are also available.

Mountless surgical procedure

The surgical procedure of insertion is extremely simple. The implant does not require a mouter because it 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 internal part of the implant connection. Easy Insert drivers are available with long or short right angle shank, and with hexagonal connector for torque-control ratchet or hand knob.

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

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

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.
Common connection platform

Premium implants, in both the version with straight cylindrical emergence and the version with enlarged emergence SP (Switching Platform), while offering different surgical options thanks to their different emergence, have a common prosthetic connection platform which makes the prosthodontist’s job easier.

**Collar**
Implants with a diameter larger than 3.30 mm have a collar on top of the neck that gives maximum stability to the connection and aids the correct distribution of the masticatory forces along the entire implant perimeter. It also creates a stabilising connection for the post, capable of reducing mesio-distal and linguo-vestibular movements.

**Bevel**
The widening generated by the bevel in SP implants allows the crestal bone to be distanced from the implant connection by 0.30 mm in a horizontal direction and 0.50 mm in a vertical direction, thus offering a Switching Platform embedded in the morphology of the implant.

**Internal hexagon for repositioning of the prosthesis**
Located in a coronal position, it is characterised by excellent visibility. The 60° repositioning and the total connection depth of almost 2.00 mm ensure non-rotation and precision.
CONTRACONE seal

One of the key factors in determining the success of an implant rehabilitation is the absence of bacterial microleakage. 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 microleakage at the implant-abutment joint.

Canullo L., Peñarrocha-Oltra D., Soldini C., Mazzocco F., Peñarrocha M.A., Covani U. Microbiological assessment of the implant-abutment interface in different connections: cross-sectional study after 5 years of functional loading
Platform Switching

The Platform Switching 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. Clinical findings relating to the use of Premium SP implants confirm the reliability of the Platform Switching technique with Premium implants.

The Platform Switching technique with Premium SP implants does not depend on the choice of smaller diameter prosthetic component but is inbuilt in the implant morphology.
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. Healing abutments 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°

Entirely castable posts and castable posts with base in alloy, titanium and cobalt chrome
- Repositionable
- Non-repositionable
- Straight emergence
- Anatomical emergence
P.A.D. (Disparallel Screwed Prosthesis)
- Direct screw-retained abutments straight and angled at 17° and 30°

Prostheses on PLAIN abutments
- Healing abutments
- Pick-up transfers
- Analogs
- Abutments

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

Locator abutment
- Abutments and caps for attaching overdentures to dental implants

P.A.D. (Disparallel Screwed Prosthesis)
- Direct screw-retained abutments straight and angled at 17° and 30°
The implants, prosthetic components and surgical instruments illustrated in this brochure are medical devices manufactured by Sweden & Martina SpA, except for Locator abutments, which are medical devices manufactured and patented by Zest Anchors, Inc., 2875 Loker Avenue East, Carlsbad, CA, 92010, USA. The European Authorized Representative of Zest Anchors for the purposes of the Medical Devices Directive 93/42/EEC is Ventura Implant and Attachment Systems, 69 The Avenue, Ealing, London W13 8JR, England. The articles illustrated in this brochure are compliant with the ISO 9001 and ISO 13485 standards, and are registered as CE Mark (Class I) and CE Mark 0476 (Class IIA and Class IIB) in accordance with the European Medical Devices Directive 93/42/EEC and European Directive 2007/47/EC. They are conform to the QSR 21 CFR part 820 and are approved by FDA.

Sweden & Martina production facilities manufacture medical devices in accordance with the cGMPs applicable in the USA and other countries.

Some products may not be regulatory/released for sale in all markets.
All trademarks here in are the property of Sweden & Martina S.p.A. unless otherwise indicated.
This material is intended for laboratories and clinicians and is not intended for patient distribution.
This material is not to be redistributed, duplicated, or disclosed without the express written consent of Sweden & Martina S.p.A.
For additional product information, including indications, contraindications, warnings, precautions, and potential adverse effects, see Sweden & Martina S.p.A. website.
The contents are updated at the time of publication. Check with the company for any subsequent updates.