OSSEOINTEGRATED FIXTURES
Product Catalogue
Southern Implants is a leading provider of unique and innovative dental implant products with a focus on top-end professional users who want more choices. Southern’s expertise in research, development and manufacturing of dental implants allows us to provide Innovative Treatment Solutions that will reduce treatment times and improve patient outcomes.

Striving for excellence and meeting customer needs, has led to our wide product range characterized by Unique and Innovative products which include:

- **INVERTA™** implant, featuring a body-shift design, engineered for primary stability and suitable for immediate loading.
- **Co-Axis®** sub-crestal angle correcting implant, available in angulations of 12, 24 & 36° and various internal and external connections.
- **MAX** implant, specifically designed for immediate molar tooth replacement.
- **The ZYGAN and ZYGEX implants** for severely resorbed maxilla and craniofacial reconstruction.

- Multiple interfaces, to suit customer preference.
- INVERTA™ implant, featuring a body-shift design, engineered for primary stability and suitable for immediate loading.
- Co-Axis®, sub-crestal angle correcting implant, available in angulations of 12, 24 & 36° and various internal and external connections.
- MAX implant, specifically designed for immediate molar tooth replacement.
- The ZYGAN and ZYGEX implants for severely resorbed maxilla and craniofacial reconstruction.

Our product portfolio is in synchronized evolution with protocol improvements and technological advances.

My sincere thanks to all specialists, dentists and technicians who put their trust in our company.
NOTE: • Images are for illustration purposes only and do not necessarily accurately represent the product.
  • All dimensions in this catalogue are in mm, unless otherwise specified.
  • Not all products are cleared for sale in all countries.
EXTERNAL HEX

Ø3.75mm
Ø4.5mm

ULTRA-SHORT
**Ø3.75mm Implants** (Parallel Walled)

**Implants are available in lengths of:**

<table>
<thead>
<tr>
<th>Item code</th>
<th>Implant lengths (in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IE</td>
<td>3</td>
</tr>
</tbody>
</table>

**Surgical Components**

### Cover Screw

| SC4 |

### Healing Abutments

| TBE8n |

**Ø3.75mm / Ø4.5mm Implants** (Parallel Walled & Tapered)

**Implants are available in lengths of:**

<table>
<thead>
<tr>
<th>Item code</th>
<th>Implant lengths (in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IE</td>
<td>4 / 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item code</th>
<th>Implant lengths (in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IET</td>
<td>4</td>
</tr>
<tr>
<td>IETi</td>
<td>4 (Internal Drive)</td>
</tr>
</tbody>
</table>

**Surgical Components**

### Cover Screw

| SCU2 |

### Healing Abutments

| *TB  |
| *WB  |

2/3/4/5/6/8 lengths
Prosthetic Flowchart

Prosthetic Flowchart

Magnetic Retention, Steco Titanmagnetics® for IE

X-Line (standard spherical abutment)

<table>
<thead>
<tr>
<th>Abutments</th>
<th>Laboratory Analogue</th>
<th>Magneto</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.02.01.X350</td>
<td>A.00.01.X355</td>
<td>E.00.04.X1</td>
</tr>
<tr>
<td>1.02.01.X500</td>
<td>A.00.02.X265</td>
<td>M.00.01.X300</td>
</tr>
<tr>
<td>1.02.01.X650</td>
<td>A.00.02.X265</td>
<td>U.00.02.X265</td>
</tr>
<tr>
<td>1.02.01.X850</td>
<td>A.00.02.X265</td>
<td>U.00.02.X265K</td>
</tr>
<tr>
<td>3.5 / 5 / 6.5 / 8</td>
<td>3.5 / 5 / 6.5 / 8</td>
<td>3.5 / 5 / 6.5 / 8</td>
</tr>
</tbody>
</table>

Z-Line (wide spherical abutment)

<table>
<thead>
<tr>
<th>Abutments</th>
<th>Laboratory Analogue</th>
<th>Magneto</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.02.01.Z475</td>
<td>A.00.02.Z655</td>
<td>E.00.04.X1</td>
</tr>
<tr>
<td>1.02.01.Z600</td>
<td>M.00.01.Z1000</td>
<td>U.00.02.Z315</td>
</tr>
<tr>
<td>1.02.01.Z700</td>
<td>U.00.02.Z315K</td>
<td>U.00.01.Z315</td>
</tr>
<tr>
<td>1.02.01.Z800</td>
<td>U.00.01.Z315K</td>
<td>U.00.01.Z315K</td>
</tr>
<tr>
<td>4.75 / 6 / 7 / 8</td>
<td>4.75 / 6 / 7 / 8</td>
<td>4.75 / 6 / 7 / 8</td>
</tr>
</tbody>
</table>

T-Line (Telescopic abutment)

<table>
<thead>
<tr>
<th>Abutments</th>
<th>Laboratory Analogue</th>
<th>Magneto</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.02.01.T520</td>
<td>E.00.04.T1</td>
<td>A.00.01.T1050</td>
</tr>
<tr>
<td>1.02.01.T720</td>
<td>A.00.02.T750</td>
<td>M.00.01.T1050</td>
</tr>
<tr>
<td>5.2 / 7.2</td>
<td>5.2 / 7.2</td>
<td>5.2 / 7.2</td>
</tr>
<tr>
<td>1.02.01.T570</td>
<td>U.00.02.T570</td>
<td>U.00.01.T570</td>
</tr>
<tr>
<td>1.02.01.T570</td>
<td>U.00.01.T570</td>
<td>U.00.01.T570</td>
</tr>
</tbody>
</table>

NOTE: See page 20-23 for more information on Steco Titanmagnetics® prosthetics and instrumentation.
NOTE: The total implant length is reached when the flange of the 4mm tapered drill touches the bone surface. Drilling beyond this point may compromise primary stability of the implant.
### Fixture Mounted Implants (Parallel Walled & Tapered)

<table>
<thead>
<tr>
<th>Insertion Tools</th>
<th>Wrench Converters</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-CON-X</td>
<td>I-WI-CST</td>
</tr>
<tr>
<td>I-CONU-X</td>
<td>I-WI-SH</td>
</tr>
</tbody>
</table>

- I-CON-X: Fixture Mount Driver (With W&H)
- I-CONU-X: Fixture Mount Universal Driver (Without W&H)
- I-WI-CST: For Handpiece inserts (Latch-type) featuring the W&H hex.
- I-WI-SH: For HEX connection of fixture mounts

### Internal Drive Implant (Tapered)

<table>
<thead>
<tr>
<th>Insertion Tools</th>
<th>Wrench Converters</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-HID-S / M / L</td>
<td>I-WI-CST</td>
</tr>
<tr>
<td>I-HIDU-S / M / L</td>
<td>I-WI-SH</td>
</tr>
<tr>
<td>I-WIID-S / L</td>
<td></td>
</tr>
</tbody>
</table>

- I-HID-S / M / L: Handpiece Insert with W&H
- I-HIDU-S / M / L: Handpiece Insert Universal
- I-WIID-S / L: Wrench Insert
- I-WI-CST: For Handpiece inserts (Latch-type) featuring the W&H hex.
- I-WI-SH: For SQUARE connection of fixture mounts and instruments

* Most instruments are available in various lengths
For surgical placement of Extraoral Implants

**Placement Tools**
- I-EO-EG

**Drill Extensions**
- I-AD
- I-HAD
- I-WI-A

**Cover Screw Drivers** (0.9mm)
- I-HD-09
  - Handheld
  - Wrench Insert
  - 0.9mm Hex

**Driller**
- Ø2.0mm
- Twist Drills
- D-20E-03F
- D-20E-04F
- D-20E-06F

**Final Twist Drills** (Optional)
- D-30E-03F
- D-30E-04F
- D-30E-06F

**Bone Tap**
- (Optional)
- D-TAP-IBS

**Hex Drivers** (1.22mm)
- I-HD-SML
  - Handheld
  - Wrench Insert

**Standard Abutment Drivers** (Hex)
- I-HDD-22S/M/L
  - Handpiece Insert
  - Wrench Insert

**Handpiece Insert**
- I-HID-S/M/L
  - Internal Drive
  - Wrench Insert

**Converter** (Optional)
- I-HDE-G
- I-HDE-K

**Converter** (Optional)
- I-WDE-S/L

**Placement Tools**
- I-CON-X/XS
- I-CONU-X/XS
  - Handpiece Insert

**Handpiece Insert**
- I-WIID-S/L
  - Internal Drive
  - Wrench Insert

**Handpiece Insert**
- I-HDE-09
  - Handpiece Insert

**Handpiece Insert**
- I-HDE-22S/M/L
  - Wrench Insert

**Converter** (Optional)
- I-WDE-S/L

Convert latch type instrument, with the W&H hex to fit, with square connection Torque wrench.
NOTE:
- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most Instruments available in Short / Medium / Long.
- All instruments and tooling used during the procedure must be maintained in good condition, and cleaned and sterilized prior to use. Please consult the Southern Implants Cleaning and Sterilization Procedure Guidelines (CAT-1039) for guidance concerning the maintenance of drills, instruments, and surgical trays.
- For Polishing Protector Caps refer to CAT-1010
Alternative Drivers

Hex Drivers

<table>
<thead>
<tr>
<th>HANDHELD</th>
<th>HANDPIECE</th>
<th>WRENCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-HD-S/M/L</td>
<td>I-HHD-22S/M/L</td>
<td>I-WI-22S/M/L</td>
</tr>
<tr>
<td>1.22</td>
<td>1.22</td>
<td>1.22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HANDHELD</th>
<th>HANDPIECE</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-HD-2U-S/M/L</td>
<td>I-HHD-22U-S/M/L</td>
</tr>
<tr>
<td>1.22</td>
<td>1.22</td>
</tr>
</tbody>
</table>

UNIGRIP Drivers

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>I-UGI-S/M/L</td>
<td>I-HUG-S/M/L</td>
</tr>
</tbody>
</table>

NOTE: Refer to CAT-1203 for alternative drivers

1 Series Screws

<table>
<thead>
<tr>
<th>Unigrip</th>
<th>1.22 Hex</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSU1 GSU1</td>
<td>TSH1 GSH1</td>
</tr>
</tbody>
</table>

Laboratory Screw

<table>
<thead>
<tr>
<th>1.22 Hex</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSH1*</td>
</tr>
</tbody>
</table>

* (Blackened and for laboratory use only)

NOTE:
- Due to design revisions screw tips may be flat or rounded.
- Always ensure that the correct screw is used for the relevant implant and component.
- Refer to CAT-1003 for alternative slotted 1 Series screws

STECCO TITANMAGNETICS

Magnetic attachments for facial prosthesis

The universal and easily manageable solution for implant-supported face prostheses and obturators.

Dual magnet system

Two open magnet fields exert a force of attraction over a longer distance than mono-magnet systems.

The construction principle

- Prostheses magnet
- Corrosion-proof titanium housing
- Insert Attachment
- Sm,Co, Magnet
- Implant-specific geometry

The universal and easily manageable solution for implant-supported face prostheses and obturators.
Telescopics magnets

The StecoTitanmagnetics® T-Line was developed exclusively for extraoral use. The telescopic bearing of 2.5 mm gives the facial prosthesis secure fixation on the tissue. The design allows a certain amount of rotation and axial movement, without losing the withdrawal force.

Spherical magnets

The slightly curved surface of the spherical StecoTitanmagnetics® X-Line and the Z-Line facilitates self-centering and has the lowest lateral force introduction into the implant. X-Line and Z-Line are therefore particularly suitable for short implants. Due to the absence of lateral steering, they are also indicated for highly divergent implants.

Prosthetic Components

In X-Line and Z-Line there are prostheses magnets for acrylic and, with additional retention, for silicone. For more lateral support there are prostheses magnets with extended collars available.

For silicone
- with retention ring
- with collar and retention ring

For acrylic
- with rotation protection
- with collar

Accessories

To make a new prosthesis, each product line has its own compatible impression copings and laboratory analogues.

Impression Copings
- magnetic impression without screws
- lock magnetically to the insert
- the external geometry ensures the impression material is securely fixed

Laboratory Analogues
- for making models quickly and hygienically
- the original implant does not have to be used on the insertion point of an analogue
- there is no need for time-consuming cleaning
- a length of 16 mm is also available on request

Healing Flange

The Healing-Flange is placed on the insert to stabilize the bandage on fresh skin perforation tissue, after application of the insert. This minimizes excessive tissue proliferation. The Healing-Flange has its own magnet core and is made of tissue-friendly Titanium.

Insertion standard tools

X-Line
- H.00.04.X2 Connector to handpiece
- H.00.04.X4 Connector to ratchet
- H.00.04.X1 Connector to I-Ratchet-2

Z-Line & T-Line
- H.00.04.T2 Connector to handpiece
- H.00.04.T4 Connector to ratchet
- H.00.04.T1 Connector to I-Ratchet-2
## Implant Dimensions and Information

<table>
<thead>
<tr>
<th>RANGE</th>
<th>MAJOR DIAMETER</th>
<th>PLATFORM DIAMETER (flange)</th>
<th>Prosthetic Colour Code</th>
<th>HEX WIDTH</th>
<th>HEX HEIGHT</th>
<th>COLLAR HEIGHT</th>
<th>THREAD PITCH</th>
<th>APEX DIAMETER</th>
<th>Cylindrical or Tapered</th>
<th>CIT</th>
<th>3</th>
<th>4</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>IE</td>
<td>Ø3.75mm</td>
<td>3.75</td>
<td>4.80</td>
<td>2.70</td>
<td>0.7</td>
<td>0.40</td>
<td>0.6</td>
<td>2.80</td>
<td>C</td>
<td>√</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IET</td>
<td>Ø4.5mm</td>
<td>4.5</td>
<td>4.07</td>
<td>2.70</td>
<td>0.7</td>
<td>0.25</td>
<td>0.5</td>
<td>2.45</td>
<td>T</td>
<td>√</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IETi</td>
<td>Ø4.5mm</td>
<td>4.5</td>
<td>4.07</td>
<td>2.70</td>
<td>0.7</td>
<td>0.25</td>
<td>0.5</td>
<td>2.45</td>
<td>T</td>
<td>√</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Diagram:**
- **Platform Diameter (flange)**
- **Collar Height**
- **Thread Pitch**
- **Platform Diameter**
- **Major Diameter**
- **Apex Diameter**
EXPLANATION OF SYMBOLS

The following symbols are used on our packaging labels and they indicate the following:

1. Manufacturer
2. Implant image
3. Implant details and size
4. Sterilization using Irradiation
   - Do not Resterilize
   - Consult instruction for use
   - Do not reuse
   - Caution

5. CE mark and notified body number
6. Expiry date
7. Sterile unless package is opened or damaged

5. 2D Bar coding
   - Contains the GTIN, Expiry Date and LOT Number

6. Patient sticker for documentation purposes
   - (to be used by health care provider on patient file)

7. Prescription device
   
   CAUTION: FEDERAL LAW RESTRICTS THE DEVICE TO SALE BY OR ON THE ORDER OF A LICENCED HEALTH CARE PROVIDER.