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:

- 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.

Graham Blackbeard
Managing Director, Southern Implants
## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRI-NEX Natural Horizontal Offset</td>
<td></td>
</tr>
<tr>
<td>Ø3.5mm Implants (Tapered &amp; Parallel Walled)</td>
<td></td>
</tr>
<tr>
<td>Implants &amp; Surgical Components</td>
<td>08</td>
</tr>
<tr>
<td>Prosthetic Flowchart</td>
<td>07</td>
</tr>
<tr>
<td>Site Preparation &amp; Instrumentation</td>
<td>06</td>
</tr>
<tr>
<td>Ø4.3mm Implants (Tapered &amp; Parallel Walled)</td>
<td></td>
</tr>
<tr>
<td>Implants &amp; Surgical Components</td>
<td>12</td>
</tr>
<tr>
<td>Prosthetic Flowchart</td>
<td>11</td>
</tr>
<tr>
<td>Site Preparation</td>
<td>10</td>
</tr>
<tr>
<td>Ø5.0mm Implants (Tapered &amp; Parallel Walled)</td>
<td></td>
</tr>
<tr>
<td>Implants &amp; Surgical Components</td>
<td>17</td>
</tr>
<tr>
<td>Prosthetic Flowchart (Direct)</td>
<td>16</td>
</tr>
<tr>
<td>Prosthetic Flowchart (Indirect)</td>
<td>15</td>
</tr>
<tr>
<td>Site Preparation</td>
<td>14</td>
</tr>
<tr>
<td>Ø6.0mm Implants (Tapered)</td>
<td></td>
</tr>
<tr>
<td>Implants &amp; Surgical Components</td>
<td>22</td>
</tr>
<tr>
<td>Prosthetic Flowchart</td>
<td>21</td>
</tr>
<tr>
<td>Site Preparation</td>
<td>20</td>
</tr>
<tr>
<td>CO-AXIS®</td>
<td></td>
</tr>
<tr>
<td>Ø4.3mm 12° Co-Axis Implant (Tapered)</td>
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</tr>
<tr>
<td>Implants &amp; Surgical Components</td>
<td>26</td>
</tr>
<tr>
<td>Prosthetic Flowchart</td>
<td>25</td>
</tr>
<tr>
<td>Site Preparation</td>
<td>24</td>
</tr>
<tr>
<td>Ø5.0mm 12° Co-Axis Implant (Tapered)</td>
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<td>Implants &amp; Surgical Components</td>
<td>30</td>
</tr>
<tr>
<td>Prosthetic Flowchart</td>
<td>29</td>
</tr>
<tr>
<td>Site Preparation</td>
<td>28</td>
</tr>
<tr>
<td>TRI-MAX®</td>
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<tr>
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<td>34</td>
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<td>Site Preparation</td>
<td>32</td>
</tr>
<tr>
<td>Ø8.0mm &amp; Ø9.0mm Implants (Tapered)</td>
<td></td>
</tr>
<tr>
<td>Implants &amp; Surgical Components</td>
<td>41</td>
</tr>
<tr>
<td>Prosthetic Flowchart</td>
<td>37</td>
</tr>
<tr>
<td>Site Preparation</td>
<td>36</td>
</tr>
<tr>
<td>Drill Information</td>
<td>38</td>
</tr>
<tr>
<td>Torque Table for Southern Screws</td>
<td>39</td>
</tr>
<tr>
<td>Insertion Tool Protocols</td>
<td>40</td>
</tr>
<tr>
<td>Implant Dimensions &amp; Information</td>
<td>41</td>
</tr>
<tr>
<td>Instrument Trays</td>
<td></td>
</tr>
<tr>
<td>I-TRI-NEX-EG</td>
<td>42</td>
</tr>
<tr>
<td>I-MAX-EG</td>
<td>44</td>
</tr>
<tr>
<td>I-PROS-EG</td>
<td>46</td>
</tr>
<tr>
<td>Explanation of Symbols</td>
<td>47</td>
</tr>
</tbody>
</table>

Further information available on our website
SOUTHERNIMPLANTS.COM
The **horizontal offset** or **platform shifting** concept implies that the prosthetic components emerge from the implant at a diameter smaller than the diameter of the implant neck. In this way, the prosthetic connection is displaced horizontally inwards from the perimeter of the implant, creating space for a collar of soft tissue at the abutment/implant interface. This concept has been widely published with reports of improved bone response.

In fig. 1 a TRI-NEX implant is shown with a 12° angled Cosmetic Abutment attached. Please note the horizontal offsets as indicated.

**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.
TRI-NEX
Ø3.5mm
Implants are available in lengths of:

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<tr>
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<th>IMPLET LENGTH (in mm)</th>
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<td>13.5</td>
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Surgical Components

<table>
<thead>
<tr>
<th>Cover Screw</th>
<th>Healing Abutments</th>
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<tr>
<td>CS-L-35</td>
<td>HA-L-35</td>
</tr>
<tr>
<td>Ø3.5</td>
<td>Ø3.5</td>
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<td>3/5/7 lengths</td>
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### Direct Healing Abutments

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<tr>
<th>Healing Abutments</th>
<th>Impression Copings</th>
<th>Laboratory Analogues</th>
<th>Prosthetic Components</th>
<th>Retaining Screws</th>
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<tbody>
<tr>
<td>HA-L-35</td>
<td>IC-L-35 (pick-up)</td>
<td>ICT-L-35 (transfer)</td>
<td>GC-EL-35 (engaging)</td>
<td>TS-L-18</td>
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<tr>
<td>HA-L-35W</td>
<td>IC-L-35W (pick-up)</td>
<td>ICTL-35W (transfer)</td>
<td>GC-NL-35 (non-engage)</td>
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<td>PKC-NL-35/2 (non-engage)</td>
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### Indirect

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<th>Compact Conical Abutments</th>
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<th>Laboratory Analogues</th>
<th>Prosthetic Components</th>
<th>Retaining Screws</th>
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<tr>
<td>MC-L-35</td>
<td>SFT-EL-35 (scanning flag)</td>
<td>TIB-EL-35 (engaging)</td>
<td>TIB-NL-35 (non-engage)</td>
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<td>TIB-NL-35-C1.5 (non-engage)</td>
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<td>TIB-NL-35-C3 (non-engage)</td>
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### Passive Abutment Screws

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<th>Passive Abutment Screws</th>
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<tbody>
<tr>
<td>PA-L-35</td>
<td>TS-L-18</td>
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<td>PA-L-13B</td>
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**NOTE:** For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.
Site Preparation Sequence

Ø3.5mm Tapered (IA-LH-35)

Soft Bone

Medium Bone

Dense Bone

Ø3.5mm Parallel Walled (IA-LHS-35)

Soft Bone

Medium Bone

Dense Bone

NOTE: Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
**Implants are available in lengths of:**

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>TAPERED IMPLANT LENGTH (in mm)</th>
<th>ITEM CODE</th>
<th>PARALLEL WALLED IMPLANT LENGTH (in mm)</th>
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<td>10.5</td>
<td>IA-LHS-43-10</td>
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</tr>
<tr>
<td>IA-LH-43-11.5</td>
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<td>IA-LHS-43-11.5</td>
<td>12.0</td>
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<tr>
<td>IA-LH-43-13</td>
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<td>IA-LHS-43-13</td>
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<tr>
<td>IA-LH-43-16</td>
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<td>IA-LHS-43-15</td>
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**Surgical Components**

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<tr>
<td></td>
<td>HA-L-43W</td>
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<tr>
<td></td>
<td>Ø6.0</td>
</tr>
<tr>
<td></td>
<td>3/5 lengths</td>
</tr>
</tbody>
</table>

(Sept xx is implant length)

**NOTE:** Implant dimensions and information - page 41.
Prosthetic Flowchart

DIRECT

Healing Abutments

- HA-L-43 (pick-up)
- IC-L-43 (pick-up)
- ICT-L-43 (transfer)
- IC-L-43W (pick-up)
- ICTL-43W (transfer)

Impression Copings

- SFT-EL-43 (scanning flag)
- TIB-EL-43 (engaging)

Laboratory Analogues

- LA-EL-43 (direct)
- TCA-EL-43 (engaging)

Prosthetic Components

- GC-EL-43 (engaging)
- TC-EL-43/1S (engaging)
- PKC-EL-43/2 (engaging)

Retaining Screws

- TS-L-20 (titanium)
- TBL-20C (titanium)
- GS-L-20 (gold)
- BS-L-20 (brass)

PASSIVE Abutment

- LAD-L-43 (scannable)
- CIA-EL-43 (engaging)

INDIRECT

Compact Conical Abutments

- MC-L-43 (1/2/3/4/5)
- MCL-43-17D*
- 2/3/4
- MCL-43-30D-4*

Impression Copings

- SFTMC-48 (scanning flag)
- LAD-MC (digital analogue)

Laboratory Analogues

- LS-EL-43 (scannable)
- TIB-MC-48 (titanium scanning abutment)

Prosthetic Components

- TMCMC-1 1/5

Retaining Screws

- PA-MC-48 (passive abutment)

NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.
Site Preparation Sequence

**Ø4.3mm Tapered (IA-LH-43)**

*Soft Bone*

Medium Bone

*Dense Bone*

(Illustrations are for 13mm implants)

**Ø4.3mm Parallel Walled (IA-LHS-43)**

*Soft Bone*

Medium Bone

*Dense Bone*

NOTE: Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
TRI-NEX
Ø5.0mm
**Ø5.0mm Implants (Tapered & Parallel Walled)**

- **Tapered**
- **Parallel Walled**

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<td>IA-LH-50-16</td>
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**Implants are available in lengths of:**

(where **xx** is implant length)

**Surgical Components**

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<th>Cover Screw</th>
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<tr>
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<tr>
<td></td>
<td>3/5 lengths</td>
</tr>
<tr>
<td></td>
<td>HA-L-50W</td>
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<tr>
<td></td>
<td>Ø6.0</td>
</tr>
<tr>
<td></td>
<td>3/5 lengths</td>
</tr>
</tbody>
</table>

**NOTE:** Implant dimensions and information - page 41.

**NOTE:** Implant dimensions and information - page 41.
NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.
Site Preparation Sequence

**Ø5.0mm Tapered (IA-LH-50)**

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<th>Soft Bone</th>
<th>Medium Bone</th>
<th>Dense Bone</th>
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<td>D-3Spade-1.8M 02.0mm</td>
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<td>D-3Spade-1.8M 03.5mm</td>
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<tr>
<td>D-3Spade-1.8M 04.0mm</td>
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<td>D-3Spade-1.8M 04.0mm</td>
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<td>D-3Spade-1.8M 05.0mm</td>
<td>D-3Spade-1.8M 05.0mm</td>
<td>D-3Spade-1.8M 05.0mm</td>
</tr>
</tbody>
</table>

**Ø5.0mm Parallel Walled (IA-LHS-50)**

<table>
<thead>
<tr>
<th>Soft Bone</th>
<th>Medium Bone</th>
<th>Dense Bone</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-3Spade-1.8M 02.0mm</td>
<td>D-3Spade-1.8M 02.0mm</td>
<td>D-3Spade-1.8M 02.0mm</td>
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<td>D-3Spade-1.8M 03.5mm</td>
<td>D-3Spade-1.8M 03.5mm</td>
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<td>D-3Spade-1.8M 04.0mm</td>
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<td>D-3Spade-1.8M 05.0mm</td>
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<td>D-3Spade-1.8M 06.0mm</td>
<td>D-3Spade-1.8M 06.0mm</td>
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</tbody>
</table>

**NOTE:** Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
TRI-NEX
Ø6.0mm
Implants are available in lengths of:

<table>
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<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTH (in mm)</th>
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<tbody>
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<td>IA-LH-60-8</td>
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<tr>
<td>IA-LH-60-11.5</td>
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<td>16.5</td>
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</table>

NOTE: Implant dimensions and information - page 41.

Surgical Components

<table>
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<tr>
<th>Cover Screw</th>
<th>Healing Abutments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-L-60</td>
<td>HA-L-60</td>
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<td>Ø6.0</td>
<td>Ø7.0</td>
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<td>3/5 lengths</td>
<td>3/5 lengths</td>
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</table>

(where xx is implant length)
NOTE: For overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.
Site Preparation Sequence

Ø6.0mm Tapered (IA-LH-60)

(Illustration is for 13mm implant)

Soft Bone

Medium Bone

Dense Bone

NOTE: Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
Implants are available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (in mm)</th>
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<tr>
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NOTE: Implant dimensions and information - page 41.

Surgical Components

<table>
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<tr>
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<th>Healing Abutments</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<td>Ø4.5</td>
</tr>
</tbody>
</table>

(where \textit{xx} is implant length)
**Prosthetic Flowchart**

**DIRECT**

**Healing Abutments**
- IC-L-35 (pick-up)
- ICT-L-35 (transfer)
- HA-L-35
- HA-L-35W

**Impression Copings**
- IC-L-35W (pick-up)
- ICTL-35W (transfer)
- LA-L-35
- SFT-EL-35 (scanning flag)
- LAD-L-35

**Laboratory Analogues**
- GC-EL-35 (engaging)
- GC-NL-35 (non-engaging)
- TCA-EL-35 (engaging)
- TCA12-EL-35 (engaging)
- TCA24-EL-35 (engaging)
- CIA-EL-35 (engaging)
- CIA-NL-35 (non-engaging)
- TIB-EL-35 (engaging)
- TIB12-EL-35 (engaging)
- TIB24-EL-35 (engaging)
- TIB-NL-35 (non-engaging)

**Prosthetic Components**
- Pe-EL-35 (engaging)
- Pe-NL-35 (non-engaging)

**Retaining Screws**
- TS-L-18
- TS-L-18C
- OSL-18
- BS-L-18

**INDIRECT**

**Compact Conical Abutments**
- MC-L-35
- MCMC17d
- SFTMC-48 (scanning flag)
- LAD-MC

**Impression Copings**
- CMC1 (pick-up)
- CMC2 (transfer)
- LSMC1

**Laboratory Analogues**
- GMC1
- TMC1 / 5
- PKMC

**Prosthetic Components**
- PA-EL-35 (engaging)
- PA-NL-35 (non-engaging)
- PA-L-18
- PA-L-18G
- PA-L-18B

**Passive Abutment Screws**
- PA-L-18
- PA-L-18G
- PA-L-18B

**Retaining Screws**
- TS-L-18
- TS-L-18C
- OSL-18
- BS-L-18

**NOTE:** For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.
Site Preparation Sequence

Ø4.3mm Tapered Co-Axis® (IA43-12d)  
(Illustration is for 13mm implant)

Soft Bone

Medium Bone

Dense Bone

NOTE: Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
Implants are available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAPERED</td>
<td>L1</td>
</tr>
<tr>
<td>IA50-12d-10</td>
<td>10.5</td>
</tr>
<tr>
<td>IA50-12d-11.5</td>
<td>12.0</td>
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<tr>
<td>IA50-12d-13</td>
<td>13.5</td>
</tr>
<tr>
<td>IA50-12d-16</td>
<td>16.5</td>
</tr>
</tbody>
</table>

NOTE: Implant dimensions and information - page 41.

Surgical Components

<table>
<thead>
<tr>
<th>Cover Screw</th>
<th>Healing Abutments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-L-43</td>
<td>Ø4.5</td>
</tr>
<tr>
<td>HA-L-43</td>
<td>Ø6.0</td>
</tr>
<tr>
<td>HA-L-43W</td>
<td>3/5/7 lengths</td>
</tr>
<tr>
<td></td>
<td>3/5 lengths</td>
</tr>
</tbody>
</table>

(where xx is implant length)
Prosthetic Flowchart

**DIRECT**

**Healing Abutments**
- HA-L-43
- HA-L-43W

**Impression Copings**
- IC-L-43 (pick-up)
- IC-L-43W (pick-up)
- ICT-L-43 (transfer)
- ICT-L-43W (transfer)

**Laboratory Analouges**
- LA-L-43
- SFT-EI-43 (scanning flag)
- LAD-L-43

**Prosthetic Components**
- GC-EL-43 (engaging)
- GC-NL-43 (non-engaging)
- TC-EL-43/1/5 (engaging)
- TC-NL-43/1/5 (non-engaging)
- TCA-EL-43 (engaging)
- TCA12-EL-43 (engaging)
- TCA24-EL-43 (engaging)
- TIB-EL-43 (engaging)
- TIB-EL-43-C1.5 (engaging)
- TIB-EL-43C3 (engaging)
- TIB-EL-43 (non-engaging)
- TIB-NL-43 (non-engaging)
- CIA-EL-43 (engaging)
- CIA-NL-43 (non-engaging)
- TS-L-20 (engaging)
- TS-L-20C (engaging)
- TS-L-20C (non-engaging)
- TS-L-20 (non-engaging)
- PA-EL-43 (engaging)
- PA-NL-43 (non-engaging)

**Retaining Screws**
- PA-EL-20
- PA-EL-20G
- PA-EL-20B
- PA-LE-20
- PA-LE-20G

**INDIRECT**

**Compact Conical Abutments**
- MC-L-43
- MCL-43-17D
- MCL-43-30D-4
- MCL-43-30D-4

**Impression Copings**
- SFTMC-48 (scanning flag)
- LAD-MC

**Laboratory Analouges**
- LSMC1

**Prosthetic Components**
- GME1
- TMC1/5
- TMC1/5

**Retaining Screws**
- PA-MC-48

**Passive Abutment Screws**
- PA-MC-48

**NOTE:** For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.
Site Preparation Sequence

Ø5.0mm Tapered Co-Axis® (IA50-12d)  
(Illustration is for 13mm implant)

Soft Bone

Medium Bone

Dense Bone

NOTE: Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
TRI-MAX®

Ø7.0mm
TRI-MAX® Ø7.0mm Implant (Tapered)

TRI-MAX7-xx

Implants are available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>TAPERED L1 (mm)</th>
<th>L2 (mm)</th>
</tr>
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<tbody>
<tr>
<td>TRI-MAX7-7</td>
<td>7.0</td>
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<td>TRI-MAX7-9</td>
<td>9.0</td>
<td>10.0</td>
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<tr>
<td>TRI-MAX7-11</td>
<td>11.0</td>
<td>11.6</td>
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</tbody>
</table>

(Where xx is implant length)

NOTE: Implant dimensions and information - page 41.

Surgical Components

<table>
<thead>
<tr>
<th>Cover Screw</th>
<th>Healing Abutments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-L-50</td>
<td>HA-L-50</td>
</tr>
</tbody>
</table>

Cover Screw

Healing Abutments

 Ø5.0

 Ø6.0

3/5 lengths

3/5 lengths

WARNING: Restore with Ø5.0mm prosthetics.
NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.
Site Preparation Sequence

Ø7.0mm Tapered (TRI-MAX7)  
(illustration is for 9mm length implant)

NOTE:
- Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
- Drill length of intermediate drills may differ from the length of definitive drills.
TRI-MAX®

Ø8.0mm
Ø9.0mm
TRI-MAX® Ø8.0mm Implant (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></td>
<td>L1</td>
</tr>
<tr>
<td>TRI-MAX8-7</td>
<td>7.0</td>
</tr>
<tr>
<td>TRI-MAX8-9</td>
<td>9.0</td>
</tr>
<tr>
<td>TRI-MAX8-11</td>
<td>11.0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L1</td>
</tr>
<tr>
<td>TRI-MAX9-7</td>
<td>7.0</td>
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<tr>
<td>TRI-MAX9-9</td>
<td>9.0</td>
</tr>
<tr>
<td>TRI-MAX9-11</td>
<td>11.0</td>
</tr>
</tbody>
</table>

Note: Implant dimensions and information - page 41.

Surgical Components

<table>
<thead>
<tr>
<th>Cover Screw</th>
<th>Healing Abutments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-L-60</td>
<td>HA-L-60</td>
</tr>
<tr>
<td></td>
<td>Ø6.0</td>
</tr>
<tr>
<td></td>
<td>3/5 lengths</td>
</tr>
<tr>
<td></td>
<td>HA-L-60W</td>
</tr>
<tr>
<td></td>
<td>Ø7.0</td>
</tr>
<tr>
<td></td>
<td>3/5 lengths</td>
</tr>
</tbody>
</table>

(where xx is implant length)

Restore with Ø6.0mm prosthetics
Prosthetic Flowchart

**DIRECT**

**Healing Abutments**
- HA-L-60
- HA-L-60W

**Impression Copings**
- IC-L-60 (pick-up)
- ICT-L-60W (transfer)

**Laboratory Analouges**
- ICT-L-60 (transfer)
- ICTL-L-60W (transfer)
- ICT-L-60 (transfer)
- ICT-L-60W (transfer)

**Laboratory Analouges**
- LA-L-60
- SFT-EL-60 (scanning flag)
- LAD-L-60

**Prosthetic Components**
- GC-EL-60 (engaging)
- GC-NL-60 (non-engaging)
- TC-EL-60-1 (engaging)
- TC-NL-60-1 (non-engaging)
- PKC-EL-60-2 (engaging)
- PKC-NL-60-2 (non-engaging)

**Retaining Screws**
- TS-L-20
- TS-L-20C
- GS-L-20
- BS-L-20

**Passive Abutment Screws**
- PA-L-20
- PA-L-20G
- PA-L-20B

**NOTE:** For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.
Site Preparation Sequence

 Ø8.0mm Tapered (TRI-MAX8)

 Ø9.0mm Tapered (TRI-MAX9)

 NOTE:
 • Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
 • Drill length of intermediate drills may differ from the length of definitive drills.

 DRILL INFORMATION

 Twist drill markings

 Final tapered drill position for Co-Axis® implants

 CAUTION: When drilling close to crucial anatomical landmarks, consider that the drill preparation site may be up to 1mm deeper than the corresponding implant length.

 PLEASE NOTE:
 Point 1
 This corner of the drill is to be at bone level.

 Point 2
 This corner of the drill will be subcrestal.

 Soft Bone and Medium/Hard Bone Drills

 The regular tapered drills (D-L-35/43/50/60) are recommended for medium to hard bone and the slightly slimmer versions (DLS-35/43/50/60) are more suitable for use where the patient presents with soft to medium bone.

 The different collar markings stand proud from the tray to ensure easy selection.
# TORQUE TABLE FOR SOUTHERN SCREWS

## Unigrip Prosthetic screws

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Head Diameter</th>
<th>Torque</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1.8</td>
<td>2.50mm</td>
<td>32-40Ncm</td>
<td>Screw TORQUE with PEEK Prosthetics: 15Ncm</td>
</tr>
<tr>
<td>TS-L-18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TS-L-18C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS-L-18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BS-L-18</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Head Diameter</th>
<th>Torque</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2</td>
<td>2.50mm</td>
<td>32-40Ncm</td>
<td>Screw TORQUE with PEEK Prosthetics: 20Ncm</td>
</tr>
<tr>
<td>TS-L-20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TS-L-20C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GS-L-20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BS-L-20</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Unigrip Passive Abutment screws

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Head Diameter</th>
<th>Torque</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1.8</td>
<td>2.70mm</td>
<td>32-40Ncm</td>
<td>Screw TORQUE with PEEK Prosthetics: 15Ncm</td>
</tr>
<tr>
<td>PA-L-18</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PA-L-18G</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PA-L-18B</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Head Diameter</th>
<th>Torque</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2</td>
<td>2.70mm</td>
<td>32-40Ncm</td>
<td>Screw TORQUE with PEEK Prosthetics: 20Ncm</td>
</tr>
<tr>
<td>PA-L-20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PA-L-20G</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PA-L-20B</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Digital Laboratory Analogue screw

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Head Diameter</th>
<th>Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAD-S</td>
<td>2.40mm</td>
<td>Finger tighten</td>
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</table>

**NOTE:** Screw supplied with all Digital Analogues

## 1 Series screws

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Head Diameter</th>
<th>Torque</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1.4</td>
<td>2.25mm</td>
<td>10-15Ncm</td>
<td>Screw TORQUE with PEEK Prosthetics: 10 - 15Ncm</td>
</tr>
<tr>
<td>TSH1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSH1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSH1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TSU1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GSU1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Angled Compact Conical Abutment screws

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Head Diameter</th>
<th>Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>TU-MCL-18C</td>
<td>2.25mm</td>
<td>20Ncm</td>
</tr>
<tr>
<td>GU-MCL-18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Head Diameter</th>
<th>Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>TU-MCL-20C</td>
<td>2.25mm</td>
<td>20Ncm</td>
</tr>
<tr>
<td>GU-MCL-20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Screw Head Connections

- **Hex**
- **Unigrip**

**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-8058 for alternative slotted 1 Series screws.
- Blackened and for laboratory use only.
- Universal drivers are compatible with both 1.22 and 1.27 Hex screws:
  - HHD-22U-S/M/L
  - HH-HD-22U-S/M/L
  - I-W1-22U-S/M/L
Implant Placement for TRI-NEX & TRI-MAX® Implants

Pick-up and placement procedure

1. The tool I-HLH is used to pick up the implant from the packaging.
2. The dimples of the tool and lobes of the implant should line up. This allows alignment of a lobe buccally.
3. The hexagon must be fully engaged before torque is applied to the implant, to prevent any damage. The hexagon is fully engaged when the straight portion of the hexagon tool is almost completely sunken in the implant (fig.1).
4. The implant is placed in the prepared site and screwed in with a motor unit at 10-15 rpm while applying downwards pressure.

Instructions for inserting the Insertion Tool for the TRI-NEX Co-Axis® Implant

1. Identify the two dimples on the implant platform. This side lines up with one of the lobes (fig.2).
2. Identify the dimples on the insertion tool (fig.3).
3. Line up the dimples on the insertion tool with the dimples on the implant platform (fig.4). Push the tool into the implant until the insertion tool fits flush with the implant.

Important: The PEEK bits (I-PBIT-L18 / L20) should be replaced on a regular basis. General wear & tear are to be expected with regular use. (Items sold separately)

NOTE:
• I-PBIT-L18 for Ø3.5mm interface instrumentation only.
• I-PBIT-L20 for Ø4.3mm, Ø5.0mm & Ø6.0mm interface instrumentation.

Insertion Tool Removal Protocol

1. To remove the insertion tool from the implant, pull the insertion tool in the direction perpendicular to restorative platform and parallel to prosthetic axis (fig.5).
2. The insertion tool will be removed in the direction of the pulling force (fig.6).

NOTE: Do not detach the insertion tool from implant before final placement is confirmed (after final X-rays are taken). Detach the insertion tool from the hand-piece only.
# Implant Dimensions and Information

## Implant Dimensions

<table>
<thead>
<tr>
<th>Range</th>
<th>Platform Diameter</th>
<th>Major Diameter</th>
<th>Collar Height</th>
<th>Thread Pitch</th>
<th>Apex Diameter</th>
<th>Cylindrical Tapped</th>
<th>Platform Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA-LH-35</td>
<td>Ø3.5mm</td>
<td>3.8</td>
<td>3.5</td>
<td>0.8</td>
<td>0.6</td>
<td>2.0</td>
<td>T</td>
</tr>
<tr>
<td>IA-LHS-35</td>
<td>Ø3.5mm</td>
<td>3.8</td>
<td>3.5</td>
<td>0.8</td>
<td>0.6</td>
<td>2.0</td>
<td>C</td>
</tr>
<tr>
<td>IA-LH-43</td>
<td>Ø4.3mm</td>
<td>4.5</td>
<td>4.3</td>
<td>0.8</td>
<td>0.6</td>
<td>2.4</td>
<td>T</td>
</tr>
<tr>
<td>IA-LHS-43</td>
<td>Ø4.3mm</td>
<td>4.5</td>
<td>4.3</td>
<td>0.8</td>
<td>0.6</td>
<td>2.4</td>
<td>C</td>
</tr>
<tr>
<td>IA-LH-50</td>
<td>Ø5.0mm</td>
<td>5.2</td>
<td>5.0</td>
<td>0.8</td>
<td>0.6</td>
<td>3.0</td>
<td>T</td>
</tr>
<tr>
<td>IA-LHS-50</td>
<td>Ø5.0mm</td>
<td>5.2</td>
<td>5.0</td>
<td>0.8</td>
<td>0.6</td>
<td>3.0</td>
<td>C</td>
</tr>
<tr>
<td>IA-LH-60</td>
<td>Ø6.0mm</td>
<td>6.2</td>
<td>6.0</td>
<td>0.8</td>
<td>0.6</td>
<td>3.9</td>
<td>T</td>
</tr>
<tr>
<td>IA43-12dl</td>
<td>Ø4.3mm</td>
<td>4.4</td>
<td>3.7</td>
<td>0.8</td>
<td>0.6</td>
<td>2.4</td>
<td>T 12°</td>
</tr>
<tr>
<td>IA50-12dl</td>
<td>Ø5.0mm</td>
<td>5.0</td>
<td>4.5</td>
<td>0.8</td>
<td>0.6</td>
<td>3.0</td>
<td>T 12°</td>
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<table>
<thead>
<tr>
<th>Range</th>
<th>Length Code</th>
<th>Dimensions</th>
<th>Pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA-LH-35</td>
<td>see page 30</td>
<td>Ø3.5mm</td>
<td>0.8</td>
</tr>
<tr>
<td>IA-LHS-35</td>
<td>see page 34</td>
<td>Ø3.5mm</td>
<td>0.8</td>
</tr>
<tr>
<td>IA-LH-50</td>
<td>see page 38</td>
<td>Ø5.0mm</td>
<td>0.8</td>
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## Implant Length Codes

<table>
<thead>
<tr>
<th>Length</th>
<th>8</th>
<th>10</th>
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<tbody>
<tr>
<td>7</td>
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<td>✓</td>
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<td></td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Notes

- All dimensions in this catalogue are in mm, unless otherwise specified.
- Not all products are cleared for sale in all countries.
I-TRI-NEX-EG for surgical placement of TRI-NEX Implants

TOP TRAY

Pilot Drills
- D-3Spade-1.8M
- D-8B-MS
- D-12F-15M
- D-16-T

2.0mm Twist Drills
- Ø2.0mm
- D-20T-M10
- D-20T-M15

Dedicated Twist Drills
- Ø2.5mm
- D-25T-M10
- D-25T-M20
- Ø2.9mm
- D-29T-M10
- D-29T-M20
- Ø3.0mm
- D-30T-M10
- D-30T-M15
- Ø3.3mm
- D-33T-M10
- D-33T-M15

 Ø2.5mm
- D-33T-M15
- Ø4.0mm
- D-40T-M10
- D-40T-M15
- Ø4.3mm
- D-43T-M10
- D-43T-M15
- Ø4.6mm
- D-46T-M10
- D-46T-M15

Counter Bore
- D-CBF
- D-CB-40M
- D-CB-50M

Counter Sink
- D-CSS-M (24mm)
- D-CSS-5 (25mm)

Primary Drills
- Ø2.0mm
- Ø2.5mm
- Ø3.0mm
- Ø3.3mm
- Ø4.0mm
- Ø4.3mm
- Ø4.6mm
- Ø5.0mm
- Ø6.0mm

Additional Drills
- Ø3.5mm
- D-3D-M15
- Ø4.3mm
- D-43T-M15
- Ø5.0mm
- D-50T-M15
- Ø6.0mm
- D-60T-M15

Placement Tools
- Ø3.5
- HHLH-35S / HHLH-35M (Handpiece insert)
- HHLH-35S / M (Universal)
- HHLH-35S / M (Wrench insert)
- Ø4.3
- HHLH-43S / IHLH-43M (Handpiece insert)
- HHLH-43S / M (Universal)
- HHLH-43S / M (Wrench insert)
- Ø5.0
- HHLH-50S / HHLH-50M (Handpiece insert)
- HHLH-50S / M (Universal)
- HHLH-50S / M (Wrench insert)
- Ø6.0
- HHLH-60S / M (Handpiece insert)
- HHLH-60S / M (Universal)
- HHLH-60S / M (Wrench insert)

NOTE: Soft bone drills (DLS) also available.

Drill / Implant length measure

Universal 1.22/1.27 Hex Drivers
- HUG-S/M/L Handheld
- HUG-S/M/L Wrench Insert

Compact Conical Abutment Drivers
- HAD Handheld
- HAD Handpiece Insert

Placement Tools Co-Axis 12°
- H-IAD-12d (Handpiece insert)
- H-IAD-12d (Wrench insert)

Drill / Implant length measure
NOTE:
- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most instruments are available in various lengths.
- All instruments and tooling used during the procedure must be maintained in good condition, cleaned and sterilized prior to use. Please consult the Instructions for Use: Southern Implants instrument tray and reusable instruments (CAT-8003 and CAT-8070) for guidance concerning the maintenance of instruments and surgical trays. Please consult the corresponding drill Instructions for Use regarding care and maintenance of drills.
- Refer to CAT-8035 for more information on bone mills and polishing protector caps.
**TOP TRAY**

- **Pilot Drills**
  - D-3Spade-1.8M
  - D-RB-M5
  - D-12FM15

- **Intermediate Tapered Drills**
  - Ø3.5
    - D-L-35-8
    - D-L-35-10
    - D-L-35-11.5
  - Ø4.3
    - D-L-43-8
    - D-L-43-10
    - D-L-43-11.5
  - Ø5.0
    - D-L-50-8
    - D-L-50-10
    - D-L-50-11.5
  - Ø6.0
    - D-L-60-8
    - D-L-60-10
    - D-L-60-11.5 (optional)

- **Ø2.0mm Twist Drills**
  - D-20FM10
  - D-20FM15

- **Insertion Tools**
  - HLH-35GS/M
  - HLH-43GS/M
  - HLH-50GS/M
  - HLH-60S/M

- **Dedicated MAX Drills**
  - Ø6.0
    - D-MAX6-6
    - D-MAX6-7
    - D-MAX6-9
    - D-MAX6-11
  - Ø7.0
    - D-70TP-7
    - D-70TP-9
    - D-70TP-11
  - Ø8.0
    - D-80TP-7
    - D-80TP-9
    - D-80TP-11
  - Ø9.0
    - D-90TP-7
    - D-90TP-9
    - D-90TP-11

- **Dedicated MAX Taps**
  - Ø6.0
    - D-TAP-MAX6-6
    - D-TAP-MAX6-7
    - D-TAP-MAX6-9
    - D-TAP-MAX6-11
  - Ø7.0
    - D-TAP-MAX7-7
    - D-TAP-MAX7-9
    - D-TAP-MAX7-11
  - Ø8.0
    - D-TAP-MAX8-7
    - D-TAP-MAX8-9
    - D-TAP-MAX8-11
  - Ø9.0
    - D-TAP-MAX9-7
    - D-TAP-MAX9-9
    - D-TAP-MAX9-11

**NOTE:** Longer shaft length available for Ø7mm, Ø8mm and Ø9mm drills.
NOTE:
- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most instruments available in various lengths.
- Profile Gauges available for Ø7.0mm, Ø8.0mm & Ø9.0mm implants only.
- All instruments and tooling used during the procedure must be maintained in good condition, cleaned and sterilized prior to use. Please consult the Instructions for Use: Southern Implants instrument tray and reusable instruments (CAT-8003 and CAT-8070) for guidance concerning the maintenance of instruments and surgical trays. Please consult the corresponding drill Instructions for Use regarding care and maintenance of drills.
- Refer to CAT-8035 for more information on bone mills.
NOTE:
- This instrument tray is to be customised by the user to be suitable for use with the preferred implant system and its surgical or prosthetic items.
- Most instruments are available in various lengths.
EXPLANATION OF SYMBOLS

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

1. Manufacturer
2. Colour code indicating platform diameter
3. Implant image
4. Implant details and size
5. Sterilization using Irradiation
   - European Representative
   - Catalogue number
   - Batch Code
   - Do not Resterilize
   - Consult instruction for use
   - Do not reuse
   - CE mark and notified body number
   - Use by Date
   - Date of manufacture
   - Do not use if package is damaged
   - Identifies the product as a medical device
6. 2D Bar coding
   - Contains the GTIN, Use by Date and LOT Number
7. Patient sticker for documentation purposes
   - (to be used by health care provider on patient file)
8. Prescription device
   - CAUTION: FEDERAL LAW RESTRICTS THE DEVICE TO SALE BY OR ON THE ORDER OF A LICENCED HEALTH CARE PROVIDER.

Platform Interface

- Ø3.5
- Ø4.3
- Ø5.0
- Ø6.0
Subsidiaries

Australia
Southern Implants Australia
T: +61-2-8076-9337
E: info@southernimplants.com.au

Spain and Portugal
Southern Implants Ibérica
T: +34 935 053 507
E: info@southernimplants.es

United Kingdom and Ireland
Southern Implants UK
T: +44-20-8899-6845 / 6 / 7
E: info@southernimplants.co.uk

USA and Canada
Southern Implants North America Inc.
T: +1-561-472-099
E: customercare@southernimplants.com

Southern Implants are distributed world-wide, please visit southernimplants.com for a list of Distributors.

For more information, please contact your Southern Implants Representative or visit southernimplants.com

South Africa – Headquarters
1 Albert Road, Irene, RSA
T: +27-12-667-1046 | E: info@southernimplants.com

EC REP
Southern Implants Europe AB
Holmgatan 30, S-791 71, Falun, Sweden
E: ecrep@southernimplants.com