



SOUTHERNIMPLANTS®

Innovative Treatment Solutions

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:

- 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

External Hex Ultra-Short Ø3.75mm / Ø4.5mm Implant
Implants & Surgical Components..... Page 06

Prosthetic Flowcharts
Prosthetic Flowchart (Southern Implants Components)..... Page 07
Magnetic Retention, Steco Titanmagnetics® for IE..... Page 07

Site Preparation Sequence (Parallel Walled & Tapered Implants)..... Page 08

Instrumentation (Parallel Walled & Tapered Implants)..... Page 09

Surgical Tray
IEO-EG..... Page 10

Driver and Screw Information..... Page 12

Steco Titanmagnetics..... Page 12

Implant Dimensions and Information..... Page 14

Explanation of Symbols..... Page 15

For more information scan the below



or visit

SOUTHERNIMPLANTS.COM

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.

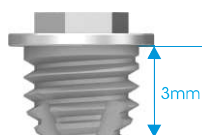
EXTERNAL HEX

Ø3.75mm

Ø4.5mm

ULTRA-SHORT

Ø3.75mm Implants (Parallel Walled)



IE3

Implants are available in lengths of:

Implant dimensions and information - page 14

Cylindrical

| Item code | Implant lengths (in mm) |
|-----------|-------------------------|
| IE | 3 |

Surgical Components

Cover Screw

SC4

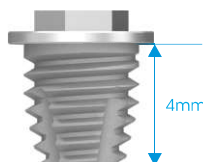


Healing Abutments

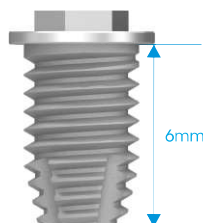
TBE8N



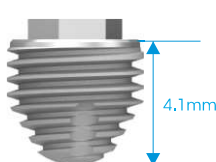
Ø3.75mm / Ø4.5mm Implants (Parallel Walled & Tapered)



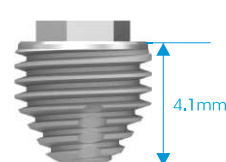
IE4



IE6



IET4



IETi4
(Internal Drive)

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 14.

Cylindrical

| Item code | Implant lengths (in mm) |
|-----------|-------------------------|
| IE | 4 / 6 |

Tapered

| Item code | Implant lengths (in mm) |
|-----------|-------------------------|
| IET | 4 |
| IETi | 4 (Internal Drive) |

Surgical Components

Cover Screw

SCU2



Healing Abutments

TB



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

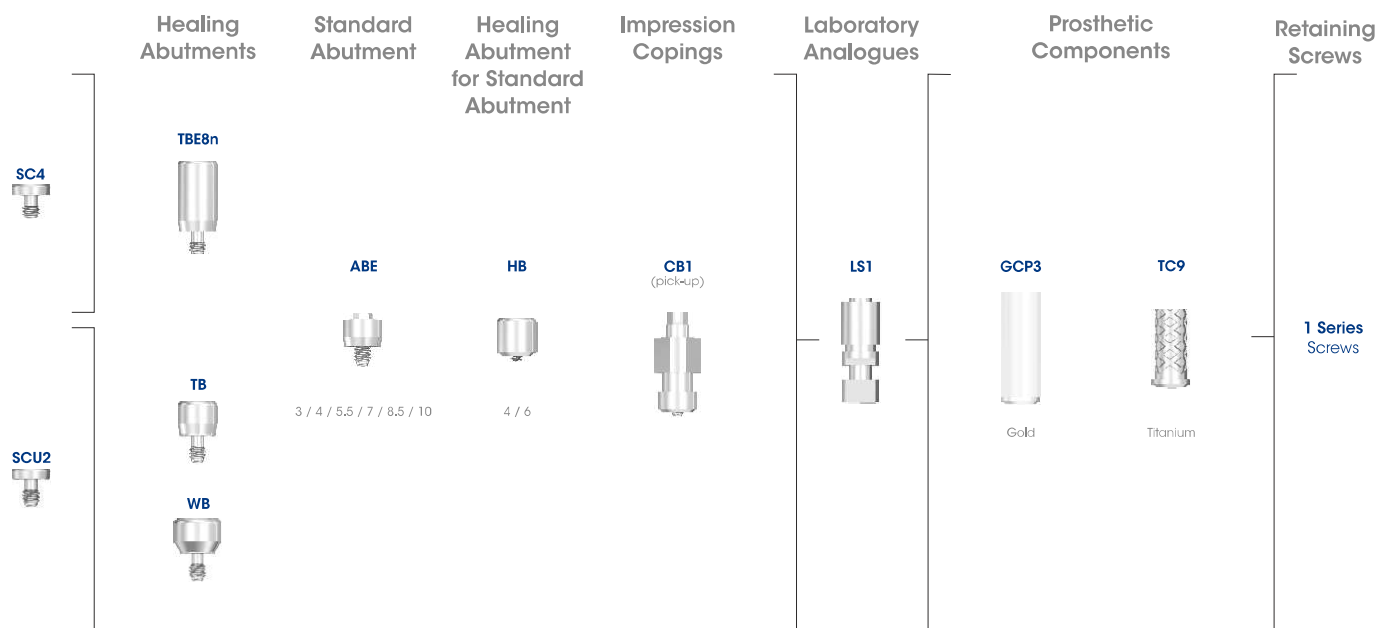
WB



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

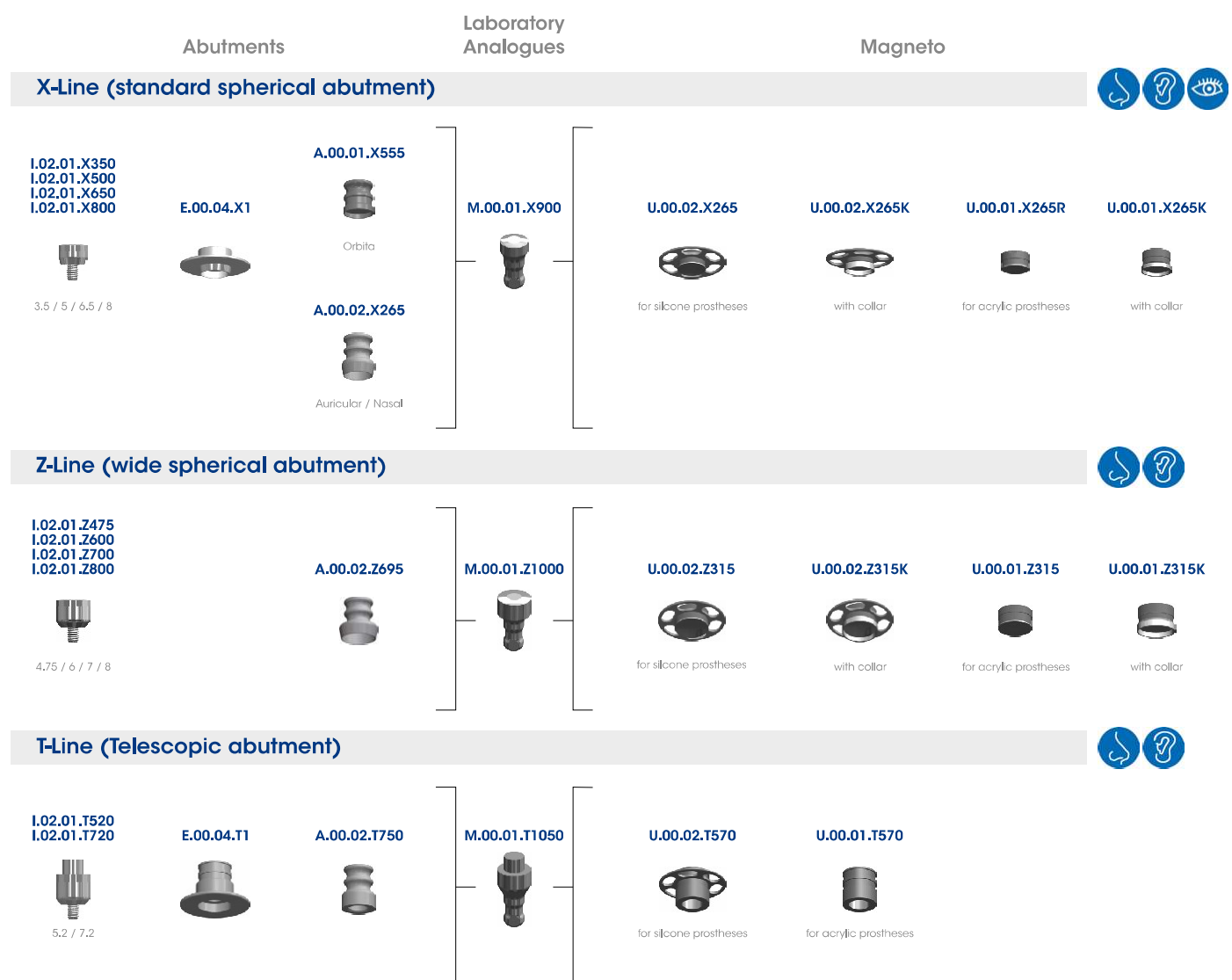
Prosthetic Flowchart

Ø4.0mm Interface



Prosthetic Flowchart

Magnetic Retention, Steco Titanmagnetics® for IE



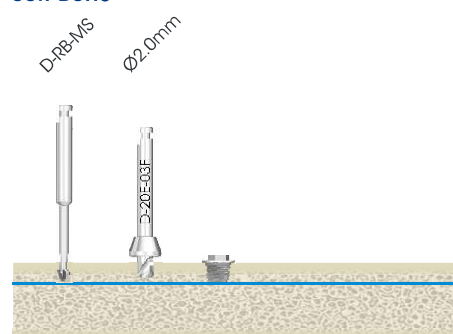
NOTE: See page 12 - 13 for more information on Steco Titanmagnetics® prosthetics and instrumentation.

Site Preparation Sequence

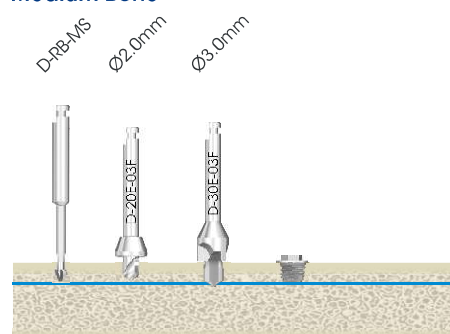
Ø3.75mm Parallel Walled (IE3)

3mm length

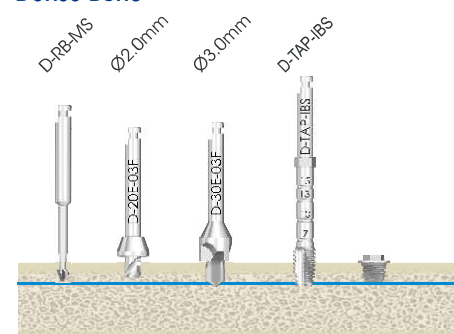
Soft Bone



Medium Bone



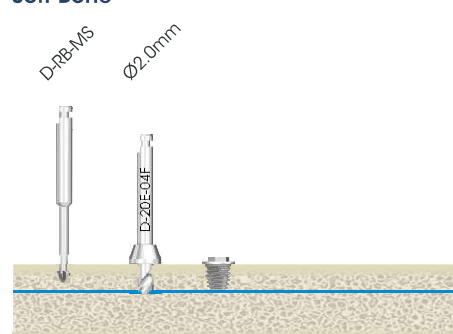
Dense Bone



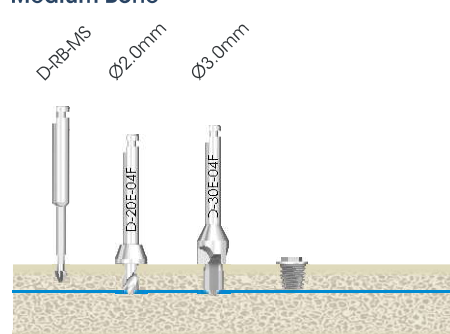
Ø3.75mm Parallel Walled (IE4)

4mm length

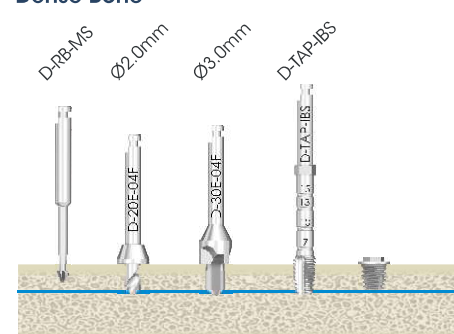
Soft Bone



Medium Bone



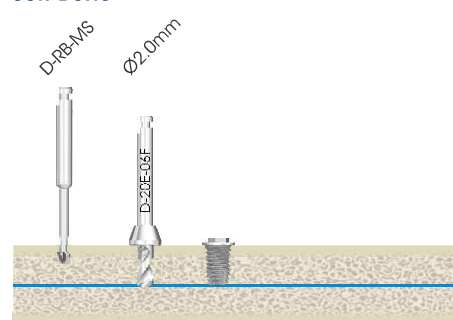
Dense Bone



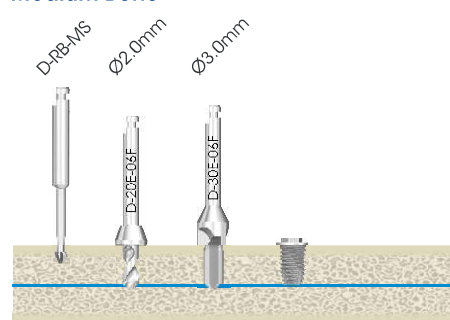
Ø3.75mm Parallel Walled (IE6)

6mm length

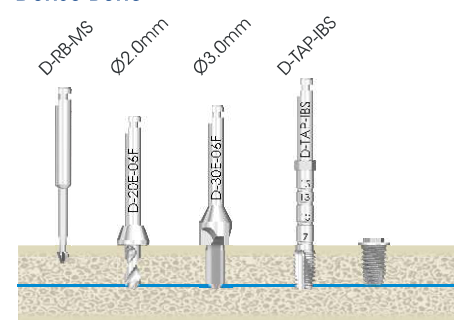
Soft Bone



Medium Bone



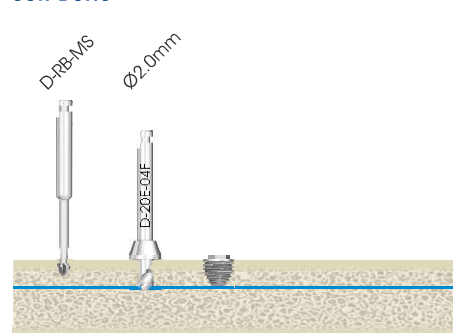
Dense Bone



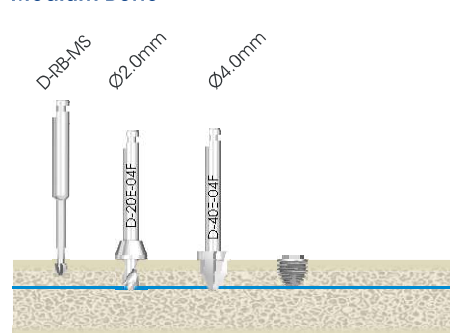
Ø4.0mm Tapered (IET4 / IETi4)

4mm length

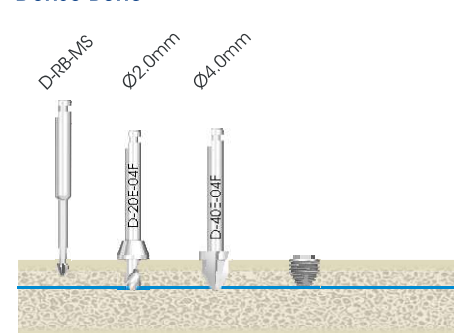
Soft Bone



Medium Bone




Dense Bone



NOTE: The total implant length is reached when the flange of the 4mm tapered drill touches the bone surface.

INSTRUMENTATION


Fixture Mounted Implants (Parallel Walled & Tapered)



IE3
IE4
IE6
IET4


Insertion Tools

I-CON-X



Fixture Mount Driver
(With W&H)


I-CONU-X



Fixture Mount Universal Driver
(Without W&H)


Wrench Converters

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)


Ø4.5mm Tapered (IETi4)



IETi4
(Internal Drive)


Insertion Tools

I-HID-S/M/L




Handpiece Insert
with W&H

I-HIDU-S/M/L



Handpiece Insert
Universal


I-WIID-S/L



Wrench Insert


Wrench Converters

I-WI-CST



For Handpiece inserts
(Latch-type)
featuring the
W&H hex,

I-WI-SS



For SQUARE
connection of
fixture mounts
and instruments.

* Most instruments are available in various lengths

TORQUE TABLE FOR SOUTHERN SCREWS

1 Series Screws

M1.4

1.22 Hex



TSS1

Unigrip



GSH1
TSH1
GSU1
TSU1

TORQUE:
10-15Ncm
Head
Diameter:
2.25mm

Laboratory Screw

1.22 Hex



BSH1 *

Screw Head Connections

Slotted



Hex

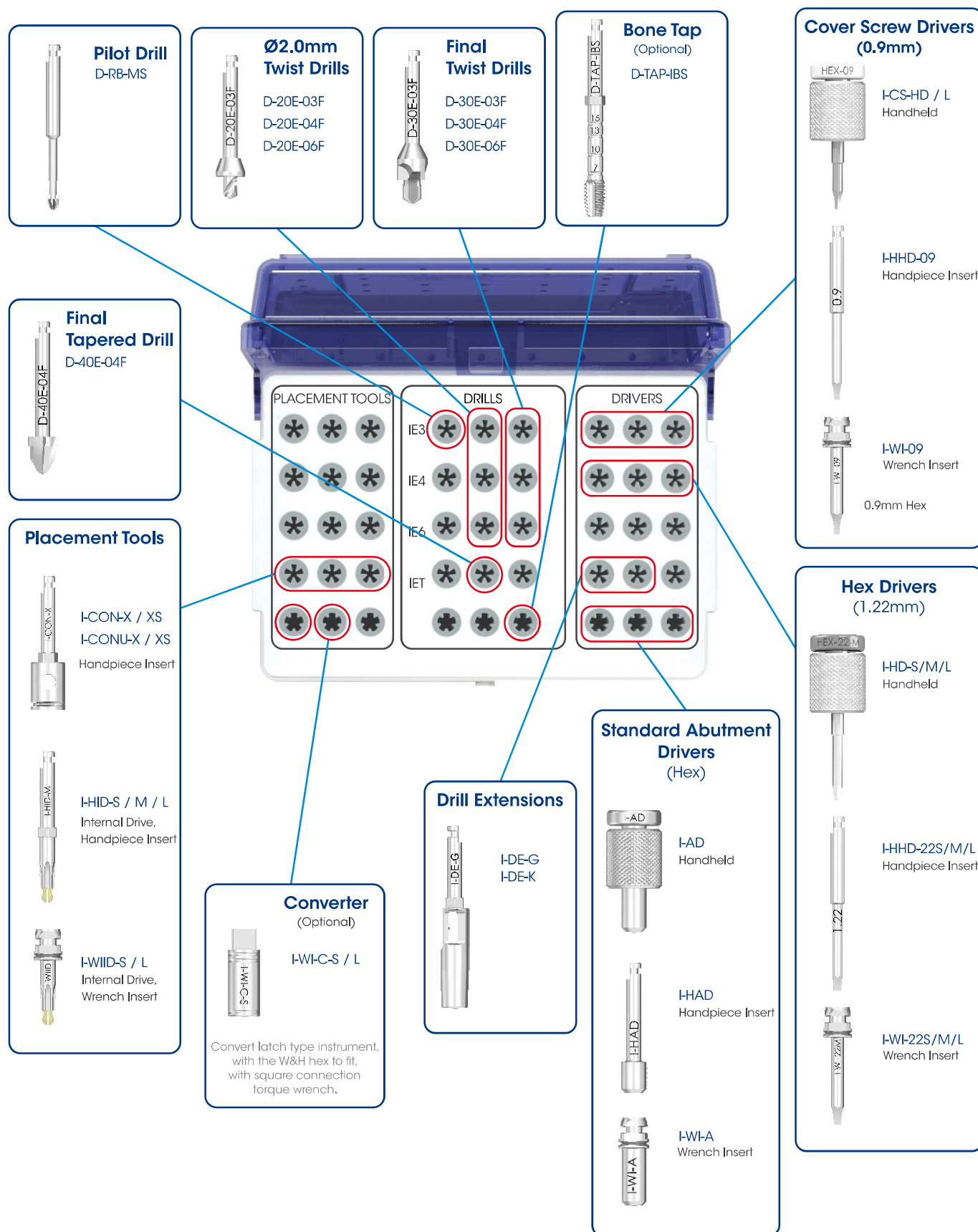


Unigrip

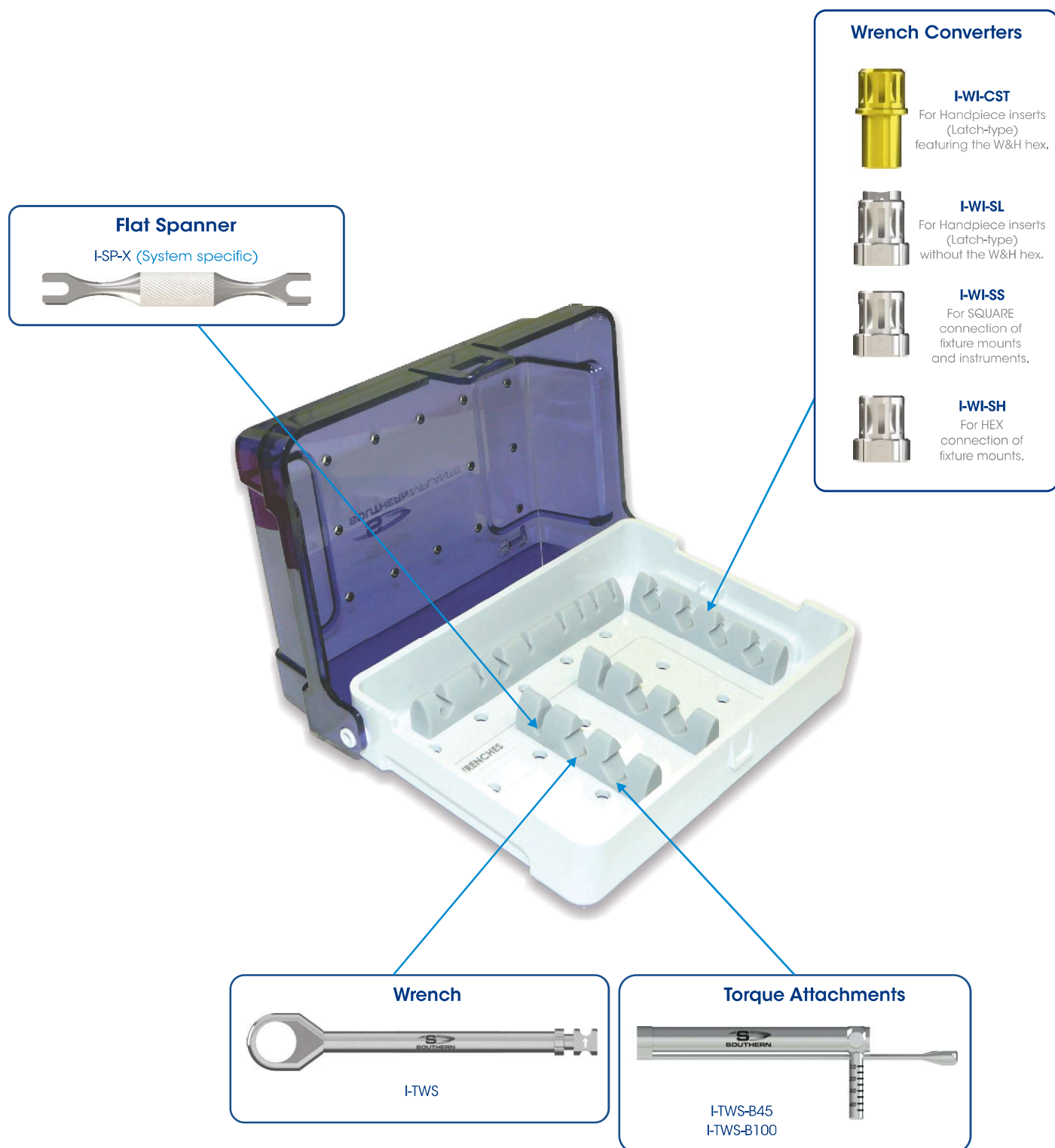


- NOTE:
- Due to design revisions screw tips may be flat or rounded.
 - Always ensure that the correct screw is used for the relevant implant and component.
 - Refer to CAT-8068 for alternative slotted 1 Series screws.
 - * Blackened and for laboratory use only.
 - Universal drivers are compatible with both 1.22 and 1.27 Hex screws:
 - I-HD22U-S/M/L
 - I-HHD-22U-S/M/L
 - I-WI-22U-S-/M/L

TOP TRAY



BOTTOM TRAY

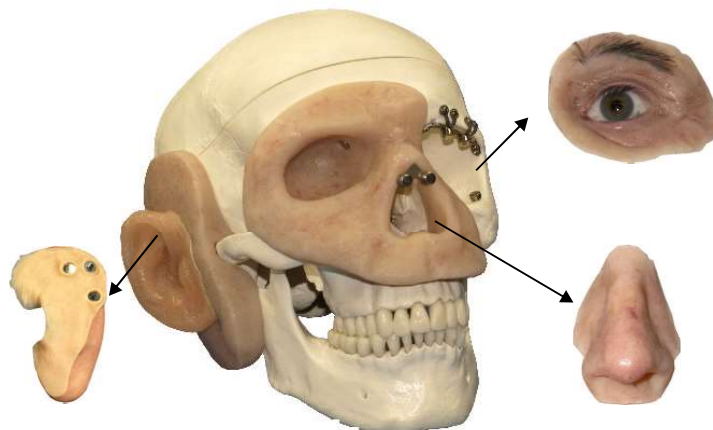


NOTE:

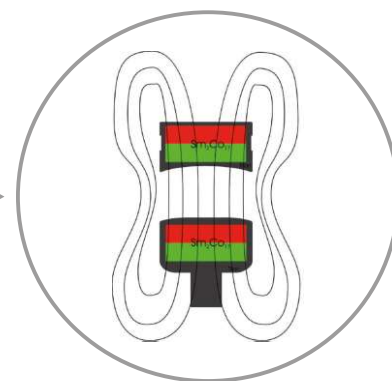
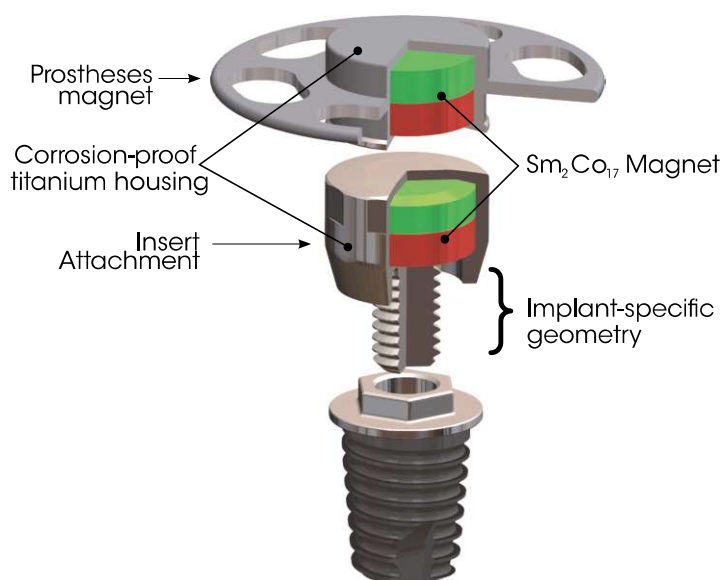
- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most instruments are available in various lengths.
- All instruments and tooling used during the procedure must be maintained in good condition, cleaned and sterilized prior to use. Please consult the Instructions 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-8021 for more information on bone mills and polishing protector caps.

Magnetic attachments for facial prosthesis

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



THE CONSTRUCTION PRINCIPLE

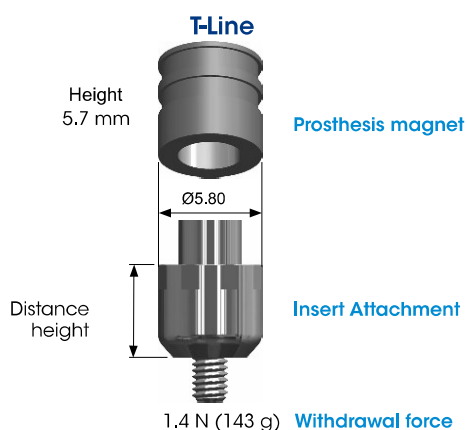


Dual magnet system

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

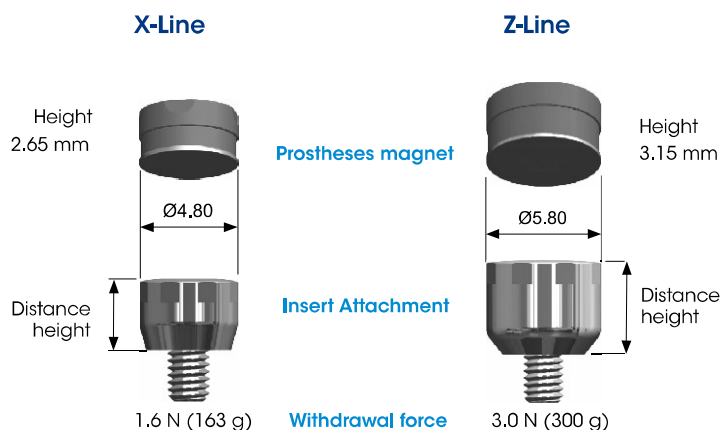
Telescopic magnets

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.





STECO TITANMAGNETICS

Prosthetic Components

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

In the T-Line, there are prosthesis magnets for acrylic and with additional retention for silicone.

| | | | | | |
|---|---|---|--|---|--|
| For silicone  with retention ring |  with collar and retention ring | For acrylic  with rotation protection |  with collar | For silicone  with retention ring | For acrylic  Universal |
|---|---|---|--|---|--|

Accessories







To make a new prostheses, 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






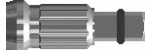
| | | | | | |
|---|---|---|---|---|---|
| X-Line  | Z-Line  | T-Line  | X-Line  | Z-Line  | T-Line  |
|---|---|---|---|---|---|

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 off tissue friendly Titanium.

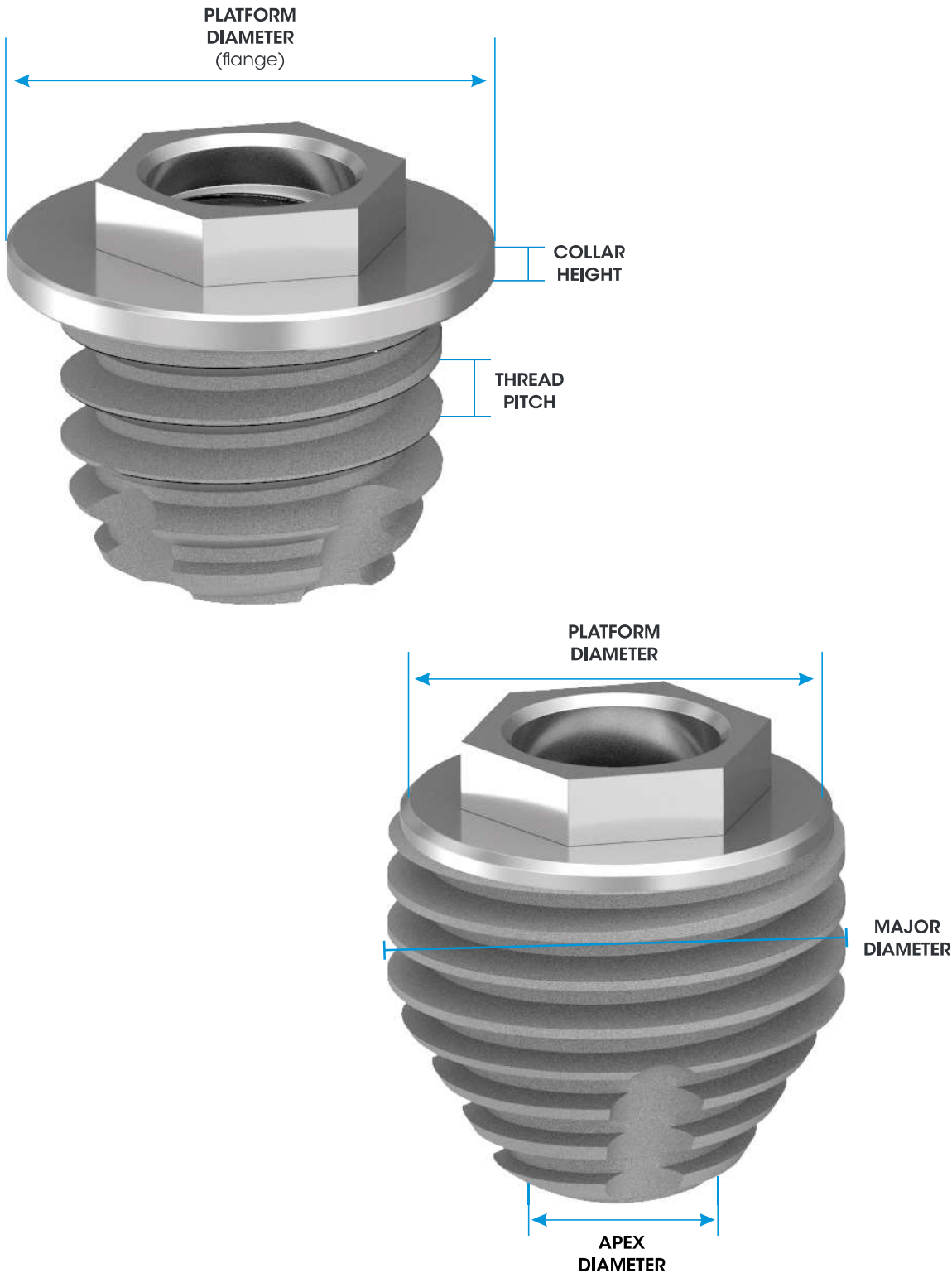
| | |
|--|--|
| X-Line  | T-Line  |
|--|--|

Insertion standard tools

| | |
|---|--|
| X-Line H.00.04.X2  Connector to handpiece | Z-Line & T-Line H.00.04.T2  Connector to handpiece |
| H.00.04.X4  Connector to ratchet | H.00.04.T4  Connector to ratchet |
| H.00.04.X1  Connector to H-Ratchet-2 | H.00.04.T1  Connector to H-Ratchet-2 |

















IMPLANT DIMENSIONS AND INFORMATION

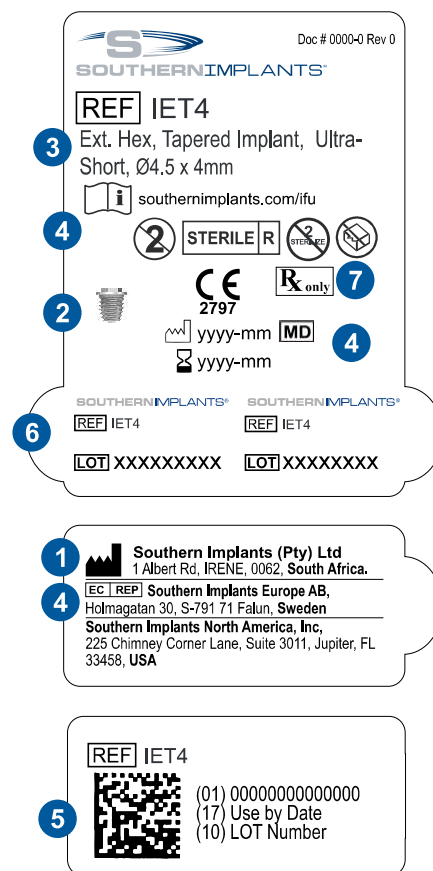
| RANGE | | MAJOR DIAMETER | PLATFORM DIAMETER (flange) | Prosthetic Colour Code | HEX WIDTH | HEX HEIGHT | COLLAR HEIGHT | THREAD PITCH | APEX DIAMETER | CYLINDRICAL OR TAPERED | IMPLANT LENGTHS | | |
|-------|---------|----------------|----------------------------|------------------------|-----------|------------|---------------|--------------|---------------|------------------------|-----------------|---|---|
| | | | | | | | | | | | 3 | 4 | 6 |
| IE | Ø3.75mm | 3.75 | 4.80 | ● | 2.70 | 0.7 | 0.40 | 0.6 | 2.80 | C | ✓ | ✓ | ✓ |
| IET | Ø4.5mm | 4.5 | 4.07 | ● | 2.70 | 0.7 | 0.25 | 0.5 | 2.45 | T | | ✓ | |
| IETi | Ø4.5mm | 4.5 | 4.07 | ● | 2.70 | 0.7 | 0.25 | 0.5 | 2.45 | T | | ✓ | |



EXPLANATION OF SYMBOLS

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

- 1  Manufacturer
- 2  Implant image
- 3  Implant details and size
- 4  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
- 5 2D Bar coding
Contains the GTIN, Use by 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.



For more information on Instructions for Use of our products, please scan the below,



or visit our website
southernimplants.com/ifu

Platform Interface



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

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.