SOUTHERNIMPLANTS®

Innovative Treatment Solutions

OSSEOINTEGRATED FIXTURES

Product Catalogue

Version 8

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

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Further information available on our website
SOUTHERNIMPLANTS.COM

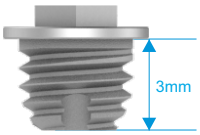
NOTE: • Images are for illustration purposes only and do not necessarily accurately represent the product.
• All dimensions in this catalogue are in mm, unless otherwise specified.
• Not all products are cleared for sale in all countries.

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

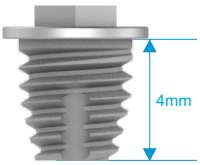
Cover Screw

SC4

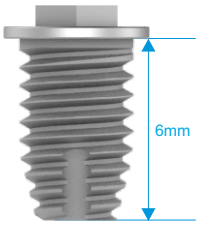
Healing Abutments

TBE8n

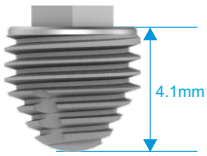
Ø3.75mm / Ø4.5mm Implants (Parallel Walled & Tapered)



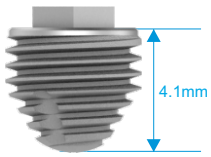
IE4



IE6



IET4



IETi4
(Internal Drive)

Implants are available in lengths of:

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

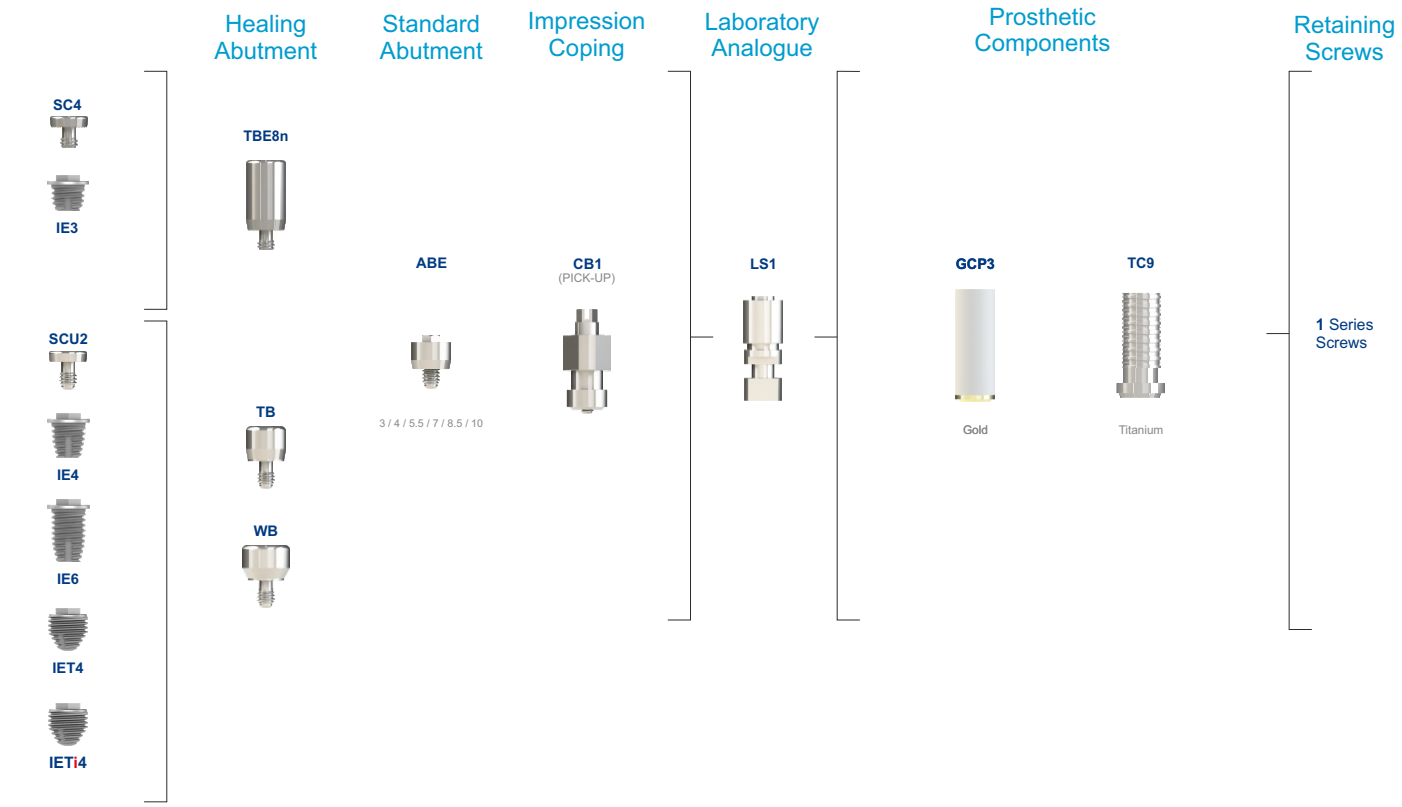
***TB**

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

***WB**

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

Prosthetic Flowchart



Prosthetic Flowchart

Magnetic Retention, Steco Titanmagnetics® for IE

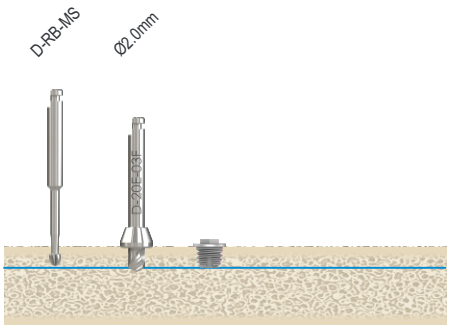
NOTE: See page 20-23 for more information on Steco Titanmagnetics® prosthetics and instrumentation.

Site Preparation Sequence

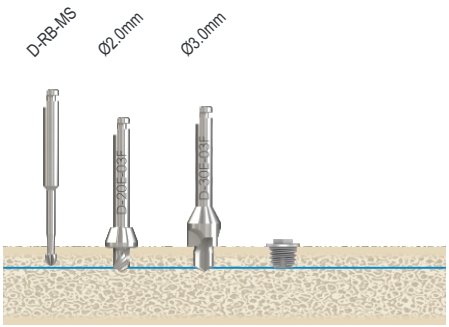
Ø3.75mm Parallel Walled (IE3)

3mm length

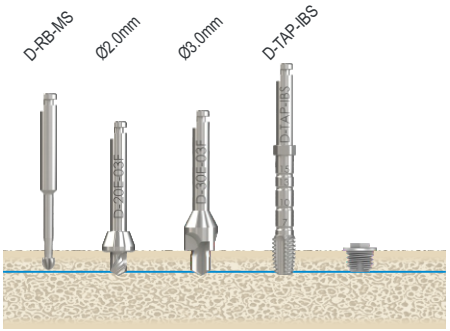
Soft Bone



Medium Bone



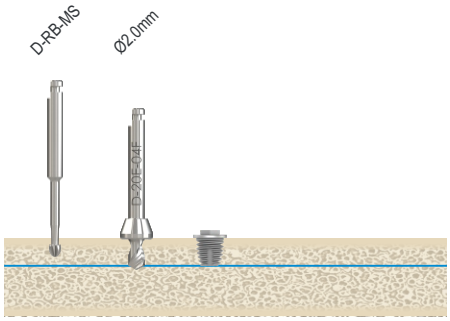
Dense Bone



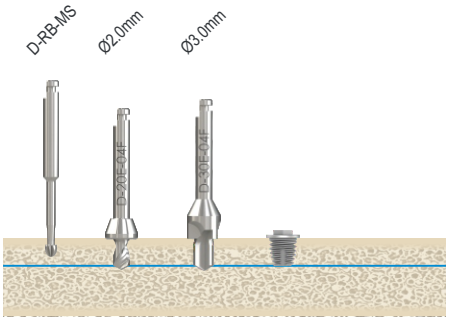
Ø3.75mm Parallel Walled (IE4)

4mm length

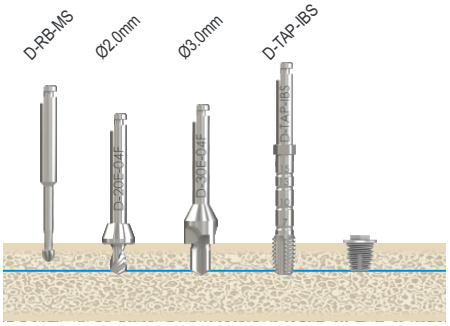
Soft Bone



Medium Bone



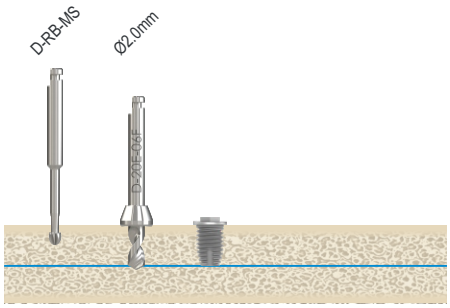
Dense Bone



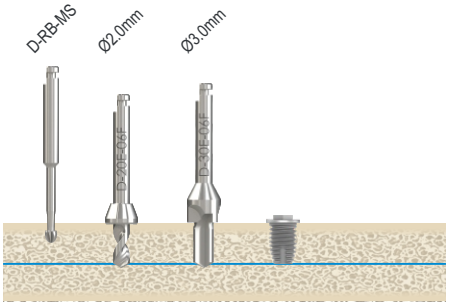
Ø3.75mm Parallel Walled (IE6)

6mm length

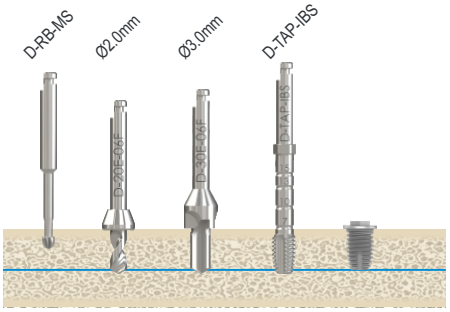
Soft Bone



Medium Bone



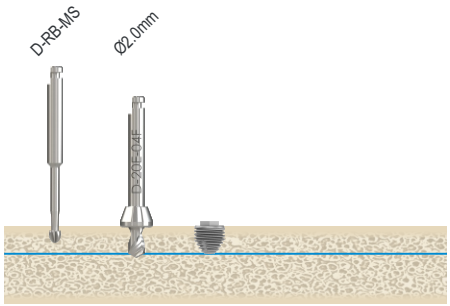
Dense Bone



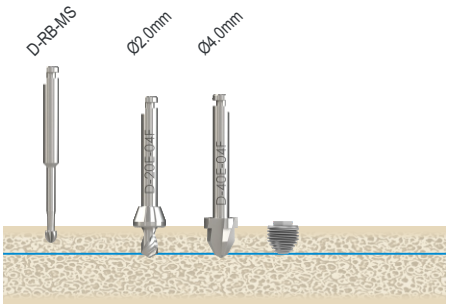
Ø4.0mm Tapered (IET4 / IETi4)

4mm length

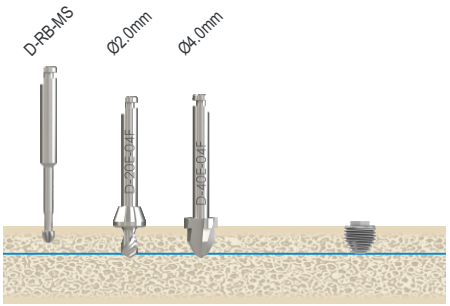
Soft Bone



Medium Bone



Dense Bone



NOTE: The total implant length is reached when the flange of the 4mm tapered drill touches the bone surface. Drilling beyond this point may compromise primary stability of the implant.

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

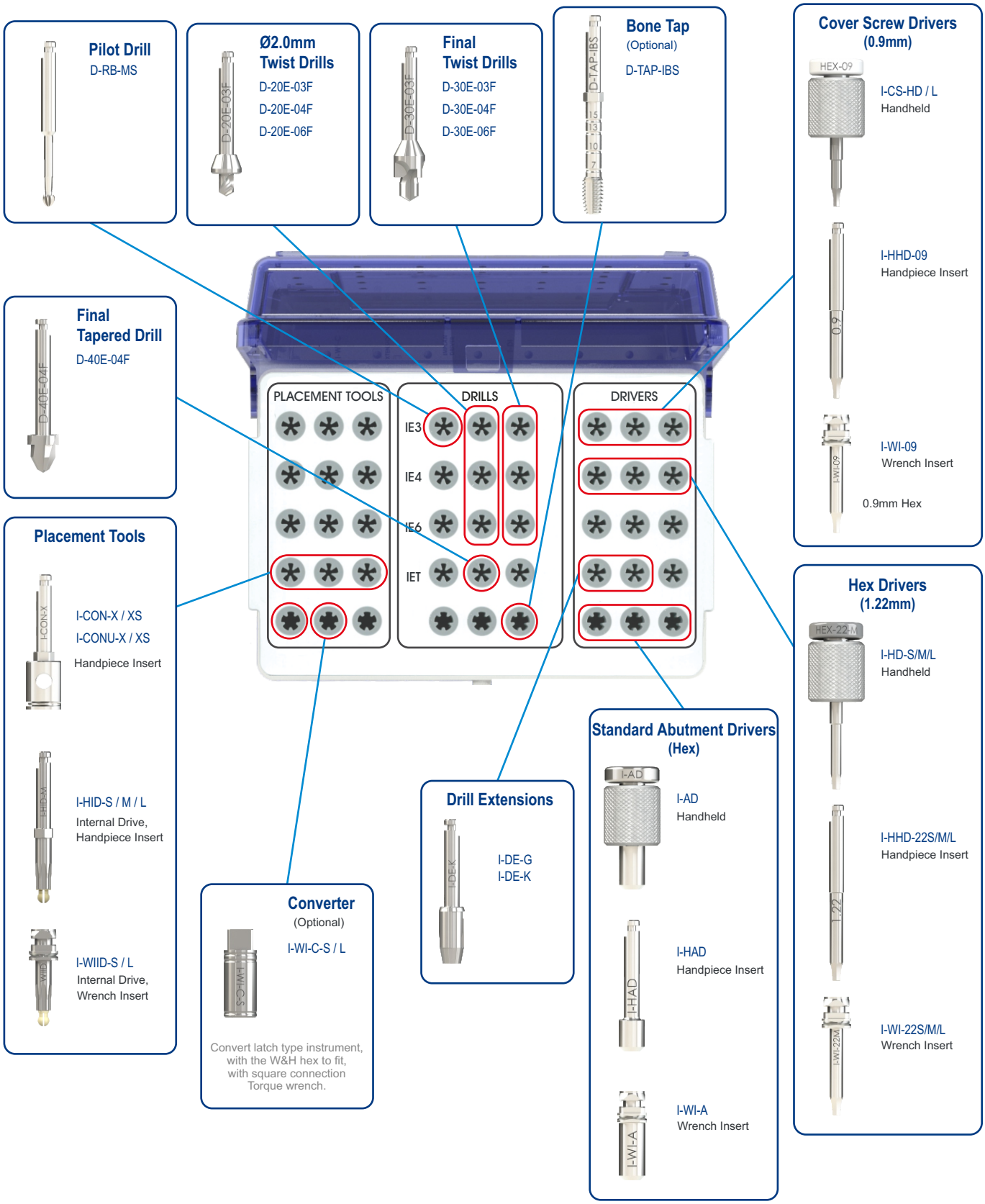
For Handpiece inserts (Latch-type) featuring the W&H hex.

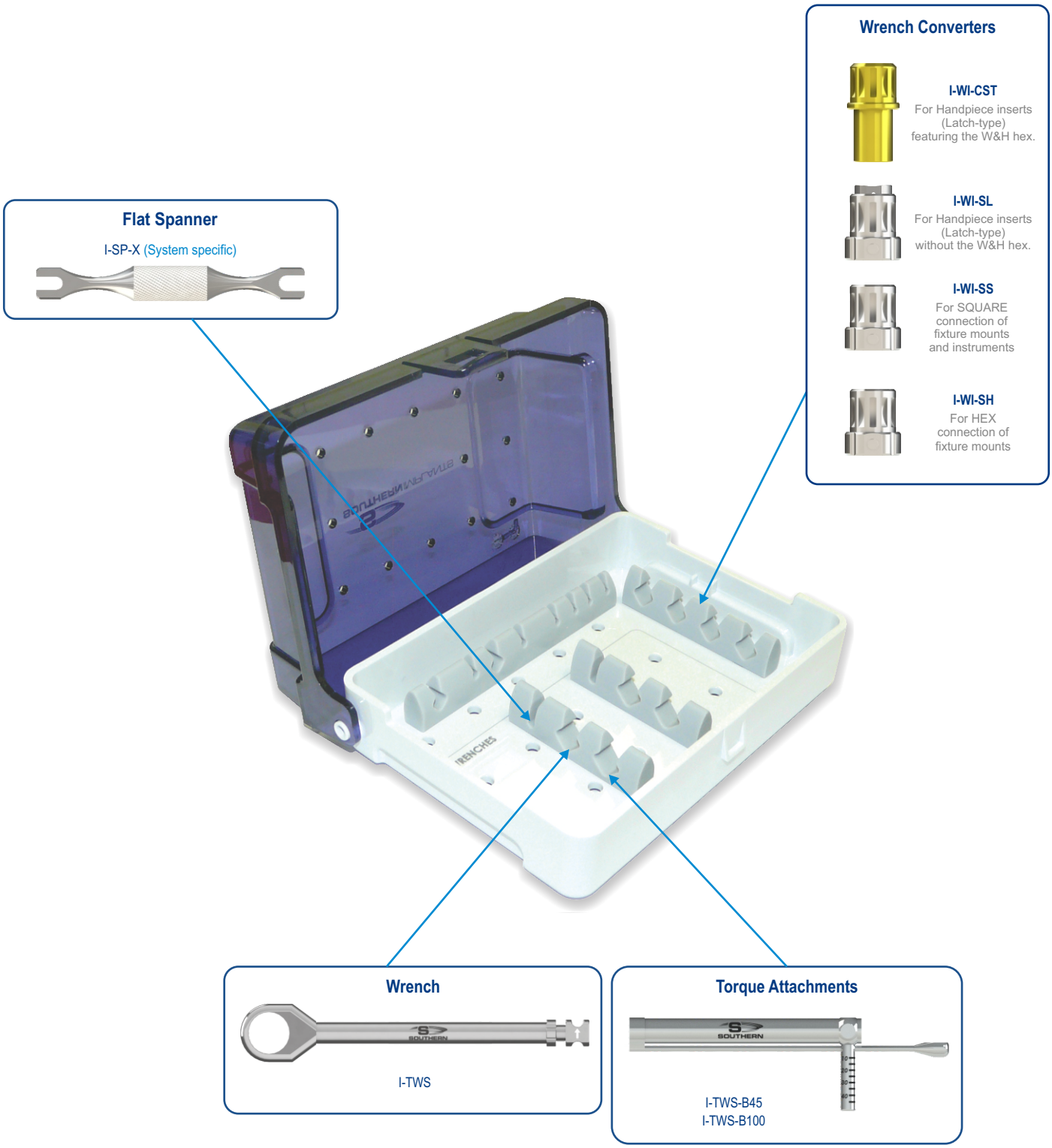
I-WI-SS

For SQUARE connection of fixture mounts and instruments

** Most instruments are available in various lengths*

I-EO-EG For surgical placement of Extraoral Implants





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 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

DRIVER AND SCREW INFORMATION

Alternative Drivers

Hex Drivers

HANDHELD		HANDPIECE		WRENCH	
1.22	UNIVERSAL 1.22/1.27	1.22	UNIVERSAL 1.22/1.27	1.22	UNIVERSAL 1.22/1.27
					
I-HD-S/M/L	I-HD-22U-S/M/L	I-HHD-22S/M/L	I-HHD-22U-S/M/L	I-WI-22S/M/L	I-WI-22U-S/M/L

UNIGRIP Drivers

I-UGI-S/M/L

I-HUG-S/M/L

I-WI-UG-S/M/L

NOTE: Refer to CAT-1203 for alternative drivers

1 Series Screws

Unigrip	1.22 Hex
	
TSU1 GSU1	TSH1 GSH1

TORQUE:
10-15Ncm
Head Diameter
2.25mm

Laboratory Screw

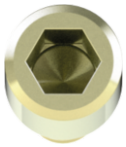
1.22 Hex

BSH1*

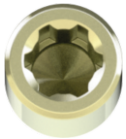
**(Blackened and for laboratory use only)*

Screw Head Connections

Hex



Unigrip



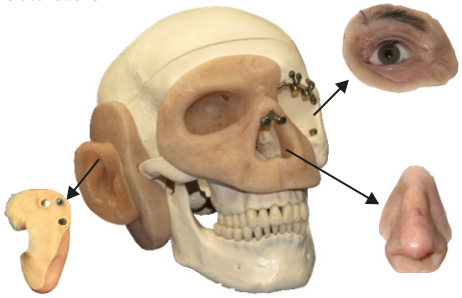
NOTE:

- *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-1003 for alternative slotted 1 Series screws*

STECO TITANMAGNETICS

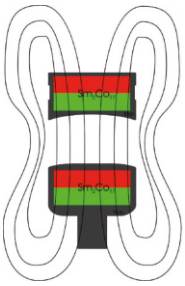
Magnetic attachments for facial prosthesis

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

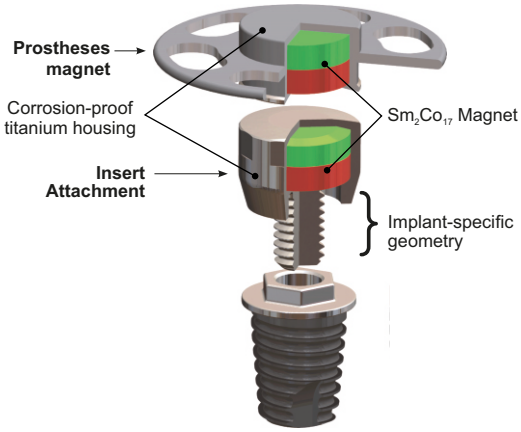


Dual magnet system

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



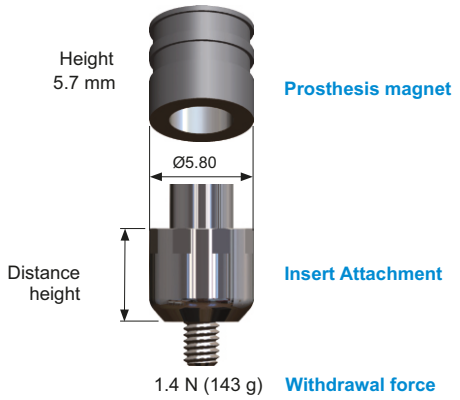
The construction principle



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.

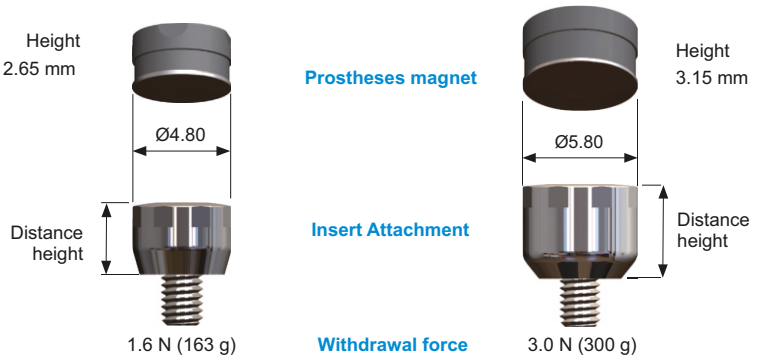
T-Line



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.

X-Line **Z-Line**



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

In the **T-Line** there are also prostheses magnets for acrylic and with additional retention for silicone.

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

X-Line

Z-Line

T-Line

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

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

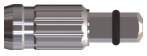
H.00.04.X2

Connector to handpiece

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

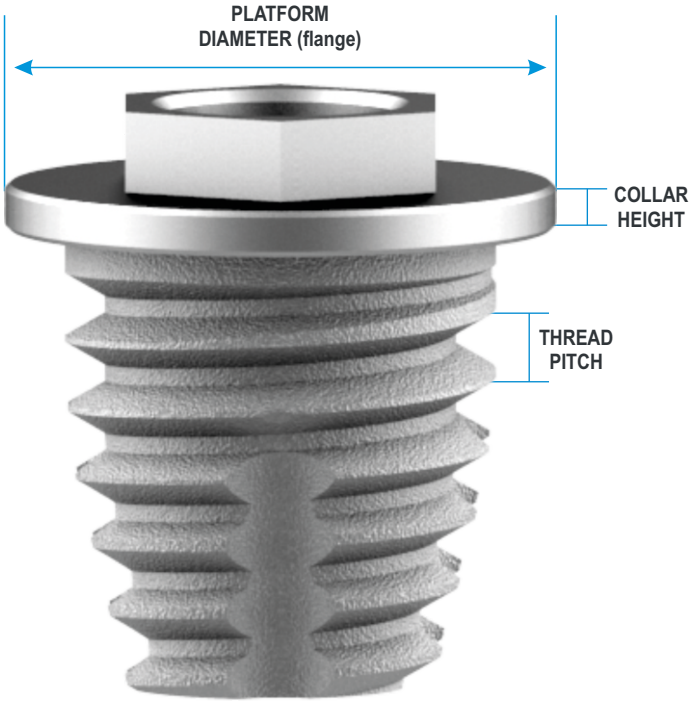
H.00.04.T4

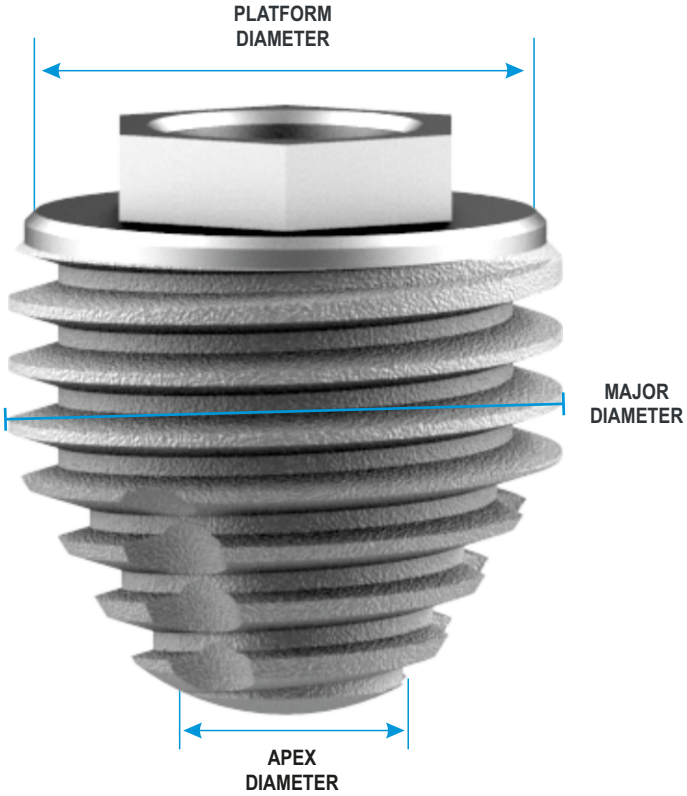
Connector to .... ratchet

H.00.04.T1

Connector to I-Ratchet-2

RANGE											IMPLANT LENGTHS		
		MAJOR DIAMETER	PLATFORM DIAMETER (flange)	Prosthetic Colour Code	HEX WIDTH	HEX HEIGHT	COLLAR HEIGHT	THREAD PITCH	APEX DIAMETER	Cylindrical or Tapered C/T	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		√	

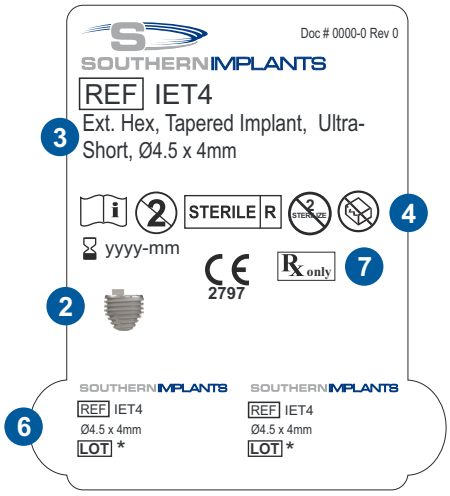


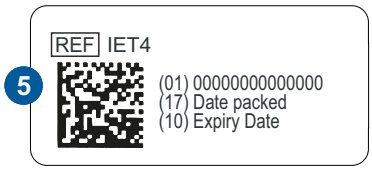


The following symbols are used on our packaging labels and they indicate the following:

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**
   - **CE mark and notified body number**
   - **Expiry date**
   - **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.





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

Subsidiaries

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

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

USA and Canada
Southern Implants North America Inc.
T: +1-561-472-0990
E: customercare@southernimplants.com

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