



SOUTHERNIMPLANTS®

Innovative Treatment Solutions

DEEP CONICAL
PTERYGOID Implants
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 characterised 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®, Subcrestal Angle Correction® implants, available in angulations of 12°, 24° and 36° and various internal and external connections.
- MAX implant, specifically designed for immediate molar tooth replacement.
- The ZYGAN®, ZYGEX and ZYGIN implants for severely resorbed maxilla and craniofacial reconstruction.
- The Machined Surface Coronally (MSC) dental implant surface treatment offers practitioners an innovative way to take advantage of the best characteristics of both smooth and moderately rough implant surfaces.

Our product portfolio is in synchronised 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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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.

DEEP CONICAL

Ø4.0 mm

Ø4.0 mm Implants (Tapered)

Tapered



PT-DC40xx

(where xx is implant length)

Implants are premounted and available in lengths of:

NOTE: implant dimensions and information - page 14.

ITEM CODE	IMPLANT LENGTHS (in mm)
PT-DC4010	10
PT-DC4011	11.5
PT-DC4013	13
PT-DC4015	15
PT-DC4018	18
PT-DC4020	20
PT-DC4022	22
PT-DC4024	24



NOTE: implants are packed with fixture mount. Please see page 8.

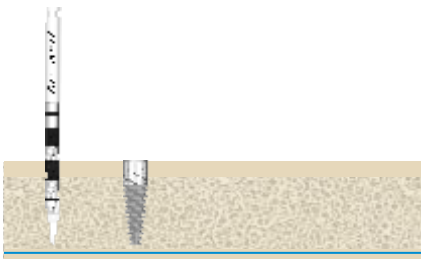
Site Preparation Sequence

(illustrations are for 13 mm implants)

Ø4.0 mm Tapered (PT-DC40xx)

Soft, Medium and Dense Bone

Ø2.0 mm



NOTE: site preparation sequence recommended by Southern Implants® does not replace the judgement and experience of the surgeon.

Surgical Components

Cover Screw

CS-DC4



Healing Abutments

HA-DC4-N2

Ø4.0



HA-DC4-x

Ø4.5



4/6 lengths

HA-DC4-Wx

Ø5.5



2/4/6 lengths

NOTE: TORQUE to 10 Ncm ONLY.

(where x is length)

DIRECT

Healing Abutments

HA-DC4-N2



HA-DC4



HA-DC4-W



Impression Copings

IC-DC4



(pick-up)

ICT-DC4



(transfer)

IC-DC4-W



(pick-up)

ICT-DC4-W



(transfer)

SFT-DC4
(scanning flag)



Titanium

Laboratory Analogues

LA-DC4



LAD-DC4



(digital analogue)

PASSIVE Abutment
5-Piece Kit

Prosthetic Components

GC-DC4 (engaging)
GC-NDC4 (non-engaging)



Gold

TC-DC4-1 (engaging)
TC-NDC4-1 (non-engaging)



Titanium

PKC-DC4 (engaging)
PKC-NDC4 (non-engaging)



PEEK*

*Screw torque: 20 Ncm

SIB-DC4-43C1.5 (engaging)
SIB-NDC4-43C1.5 (non-engaging)



Ø4.3 platform
1.5 mm collar

SIB-DC4-43C3 (engaging)
SIB-NDC4-43C3 (non-engaging)



Ø4.3 platform
3 mm collar

SIB-DC4-48C3 (engaging)
SIB-NDC4-48C3 (non-engaging)



Ø4.8 platform
3 mm collar

SIB-DC4-48C5 (engaging)
SIB-NDC4-48C5 (non-engaging)



Ø4.8 platform
5 mm collar

TIBS-DC4-C1.5 (engaging)



1.5 mm collar

TIBS-DC4-C3 (engaging)



3 mm collar

TIB-DC4 (engaging)
TIB-NDC4 (non-engaging)



0.6 mm collar

TIB-DC4-C1.5 (engaging)
TIB-NDC4-C1.5 (non-engaging)



1.5 mm collar

TIB-DC4-C3 (engaging)
TIB-NDC4-C3 (non-engaging)



3 mm collar

CAB-DC4 (engaging)



PA-DC4 (engaging)
PA-NDC4 (non-engaging)



(packed with screws)

Retaining Screws

TS-DC4-16



Titanium

Torque
30 Ncm

BS-DC4-16



Brass*

* (Blackened and for laboratory use only)

Passive Abutment Screws

PA-DC4-16T



Titanium

Torque
30 Ncm

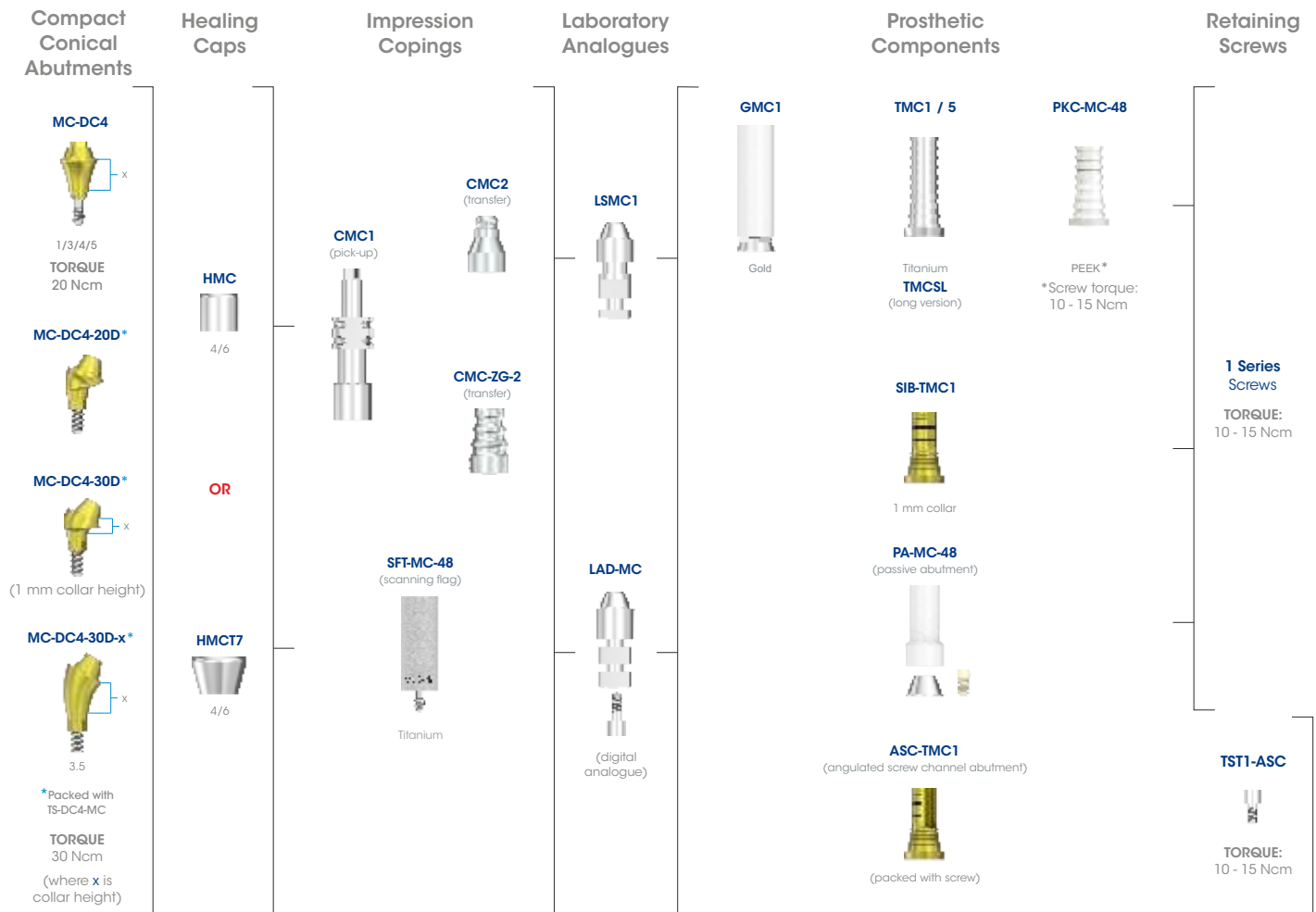
PA-DC4-16B



(anodised blue and for laboratory use only)

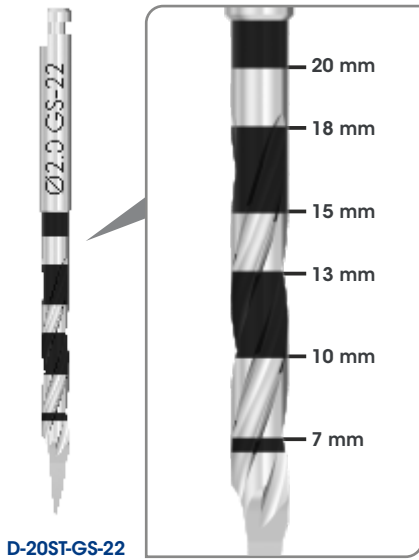
NOTE: refer to CAT-1189 for Equator overdenture abutments.

INDIRECT



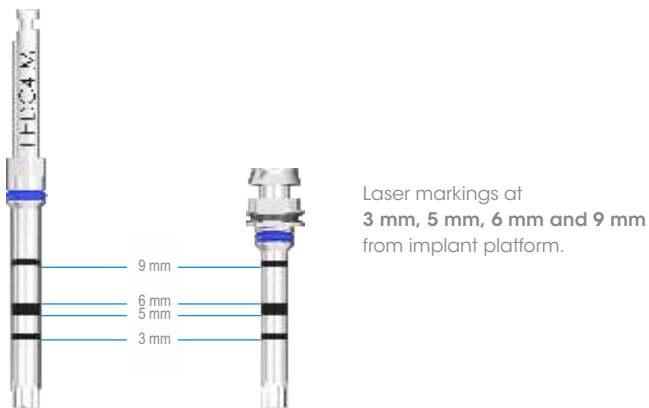
DRILL INFORMATION

Twist drill markings



INSTRUMENTATION

Insertion tool depth markings



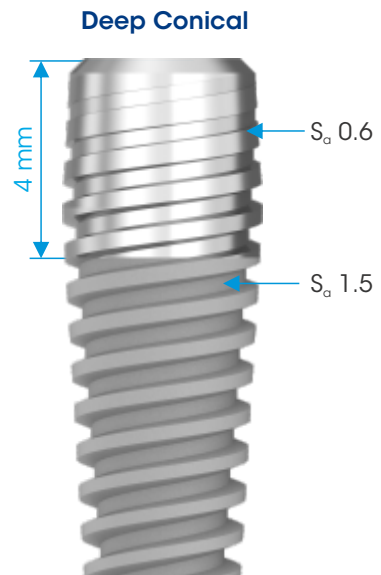
MSC IMPLANTS

MSC stands for Machined Surface Coronally

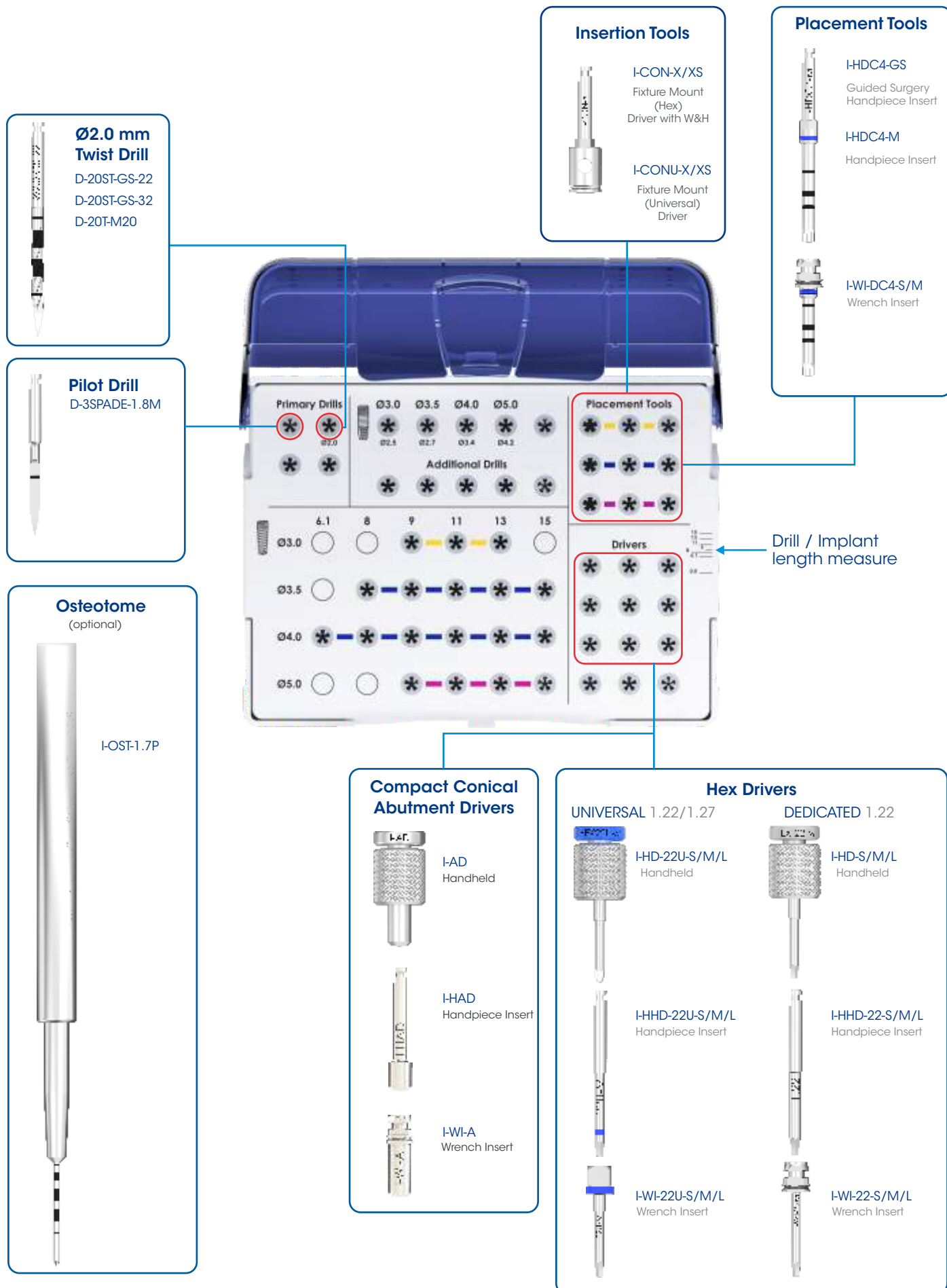
Capturing the advantage of Southern's proven rough surface where it is needed most. The "smoother" coronal machined surface is engineered to reduce bacterial adhesion and thus, decrease the risk of infection which could lead to marginal bone loss.

Indicated for patients with higher risk of coronal bone loss (smokers, history of periodontitis, cardiovascular disease).

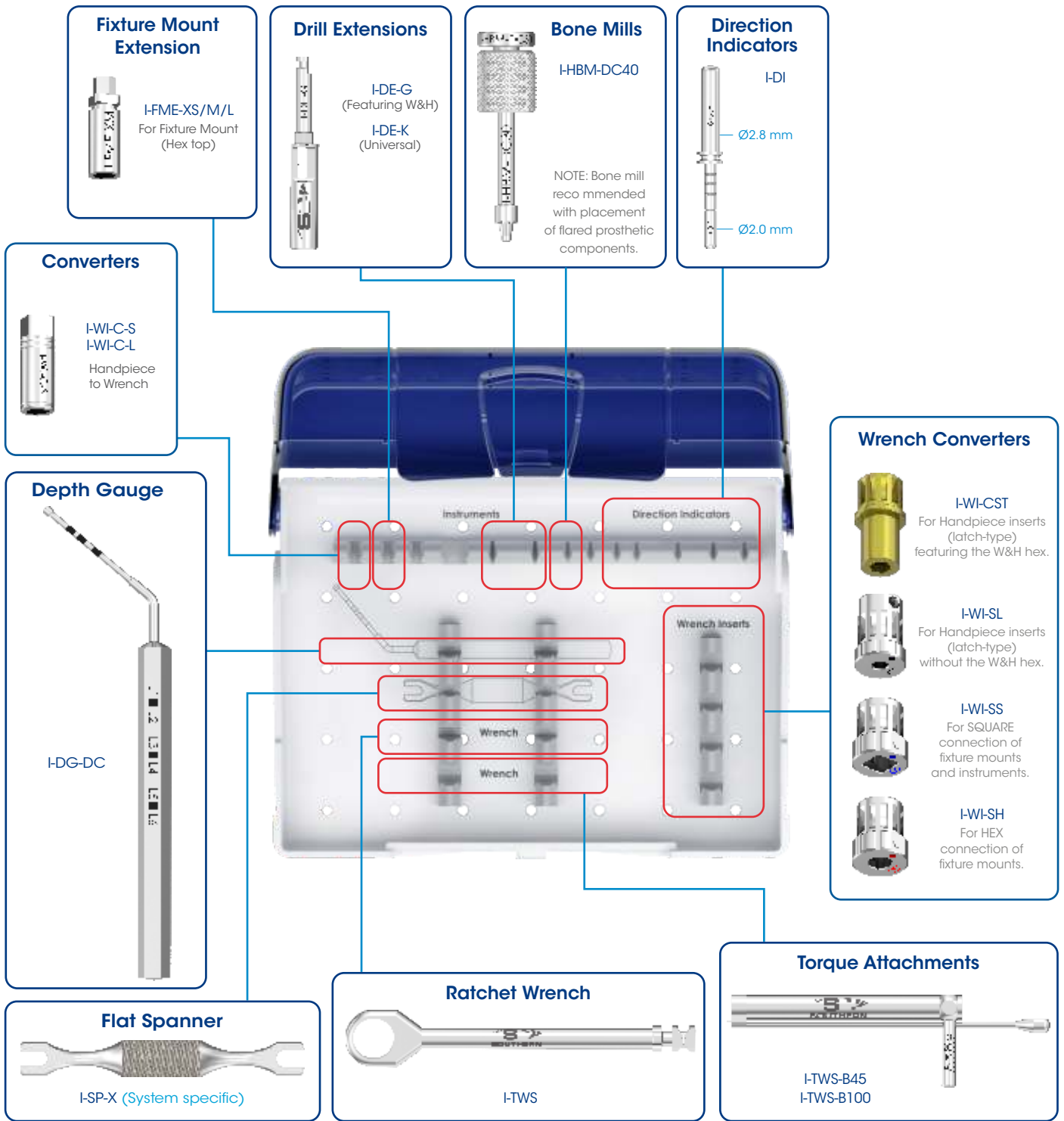
The coronal machined surface area covers the top crestal 4 mm of the implants.



TOP TRAY



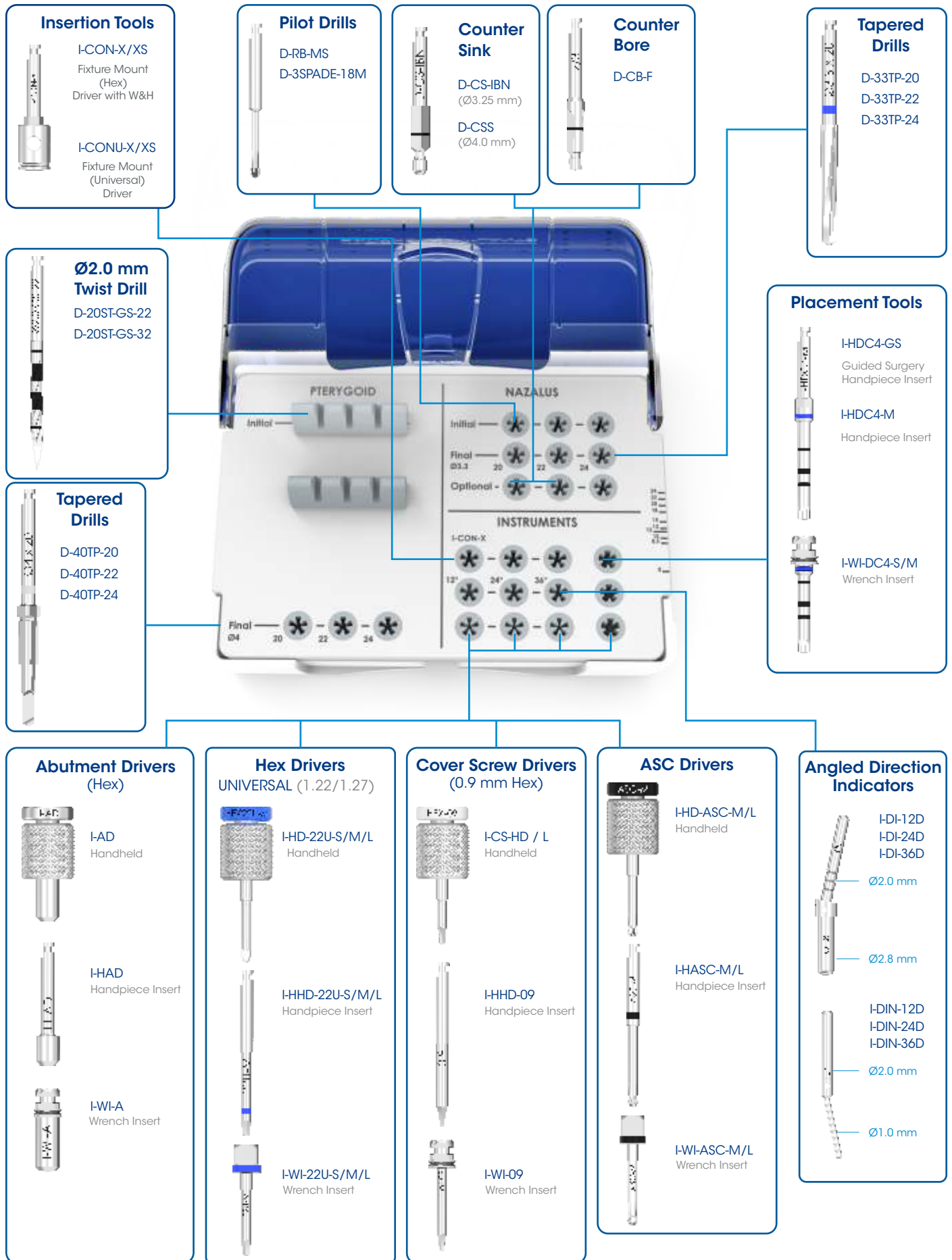
BOTTOM TRAY



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.

TOP TRAY



BOTTOM TRAY

Flat Spanner



I-SP-X (system specific)

Wrench Converters



I-WI-CST
For Handpiece inserts (latch-type) featuring the W&H hex.



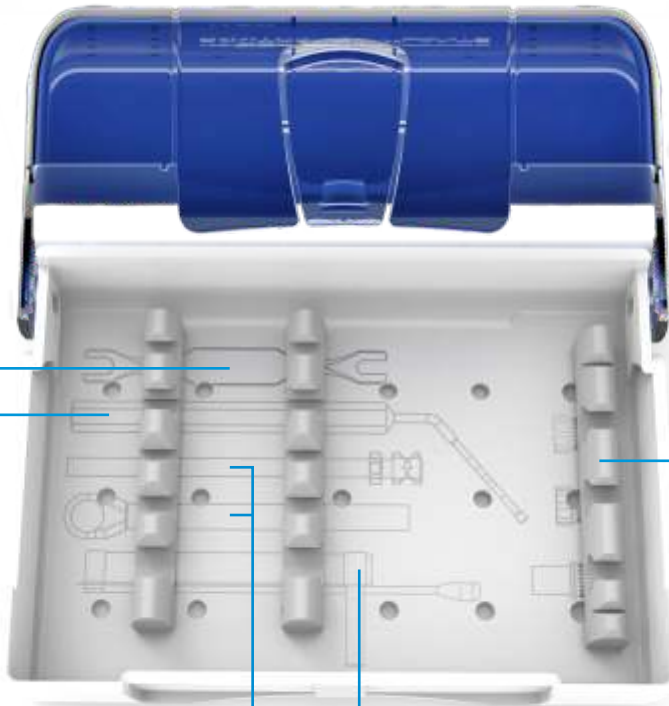
I-WI-SL
For Handpiece inserts (latch-type) without the W&H hex.



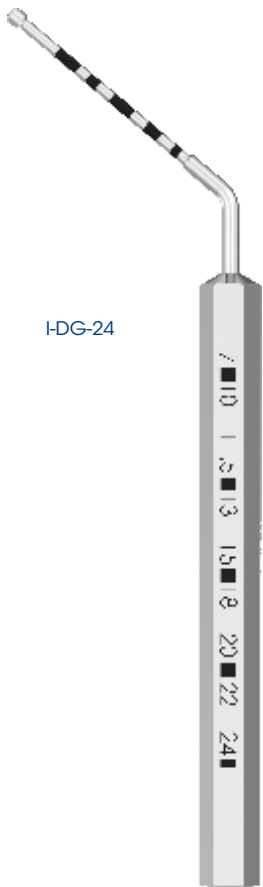
I-WI-SS
For SQUARE connection of fixture mounts and instruments.



I-WI-SH
For HEX connection of fixture mounts.

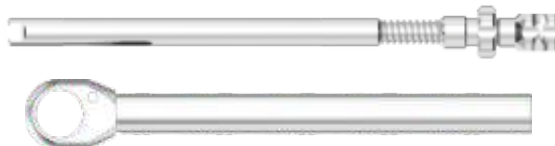


Depth Gauge



I-DG-24

Torque Wrench



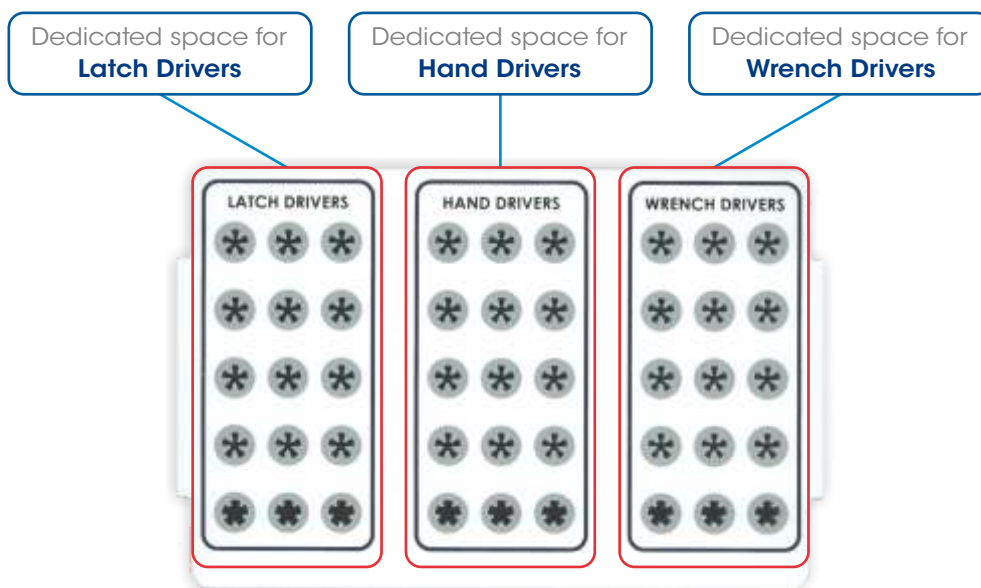
I-TWS

Torque Attachment



I-TWS-B45
I-TWS-B100

TOP TRAY



BOTTOM TRAY

Flat Spanner
I-SP-X (System specific)

Ratchet Wrench
I-TWS

Torque Attachments
I-TWS-B45
I-TWS-B100

Wrench Converters

- I-WI-CST**
For Handpiece inserts (latch-type) featuring the W&H hex.
- I-WI-SL**
For Handpiece inserts (latch-type) without the W&H hex.
- I-WI-SS**
For SQUARE connection of fixture mounts and instruments.
- I-WI-SH**
For HEX connection of fixture mounts.

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.

TORQUE TABLE FOR SOUTHERN SCREWS

DC (DEEP CONICAL)

1.22 Hex Prosthetic screws

M1.6



TS-DC4-16

DC4 TORQUE:
30 Ncm
Head Diameter:
2.35 mm
Screw TORQUE with
PEEK Prosthetics:
20 Ncm

Laboratory screws

M1.6



BS-DC4-16*
(finger tighten)

1.22 Hex Passive Abutment screws

M1.6



PA-DC4-16T

DC4 TORQUE:
30 Ncm
Head Diameter:
2.40 mm

1.22 Hex angled compact conical abutment screws

M1.6



TS-DC4-MC
(supplied with angled compact conical abutments)

TORQUE:
30 Ncm
Head Diameter:
2.0 mm

1 Series screws (M1.4)

1.22 Hex



TSH1



BSH1*
(finger tighten)

Slotted



TSS1



BSS1*
(finger tighten)

Unigrip



TSU1

TORQUE:
10 - 15 Ncm
Head Diameter:
2.25 mm
Screw TORQUE with
PEEK Prosthetics:
10 - 15 Ncm

Digital Laboratory Analogue screw

1.22 Hex



LAD-S

(supplied with all digital analogues)

TORQUE:
Finger tighten
Head Diameter:
2.40 mm

ASC 1 Series screw



TST1-ASC

(supplied with ASC abutment)

TORQUE:
10 - 15 Ncm
Head diameter:
2.30 mm

Screw head connections

Hex



Slotted



ASC



Screw product codes

Southern screws are manufactured from different materials. This is indicated with the first letter of the product code:

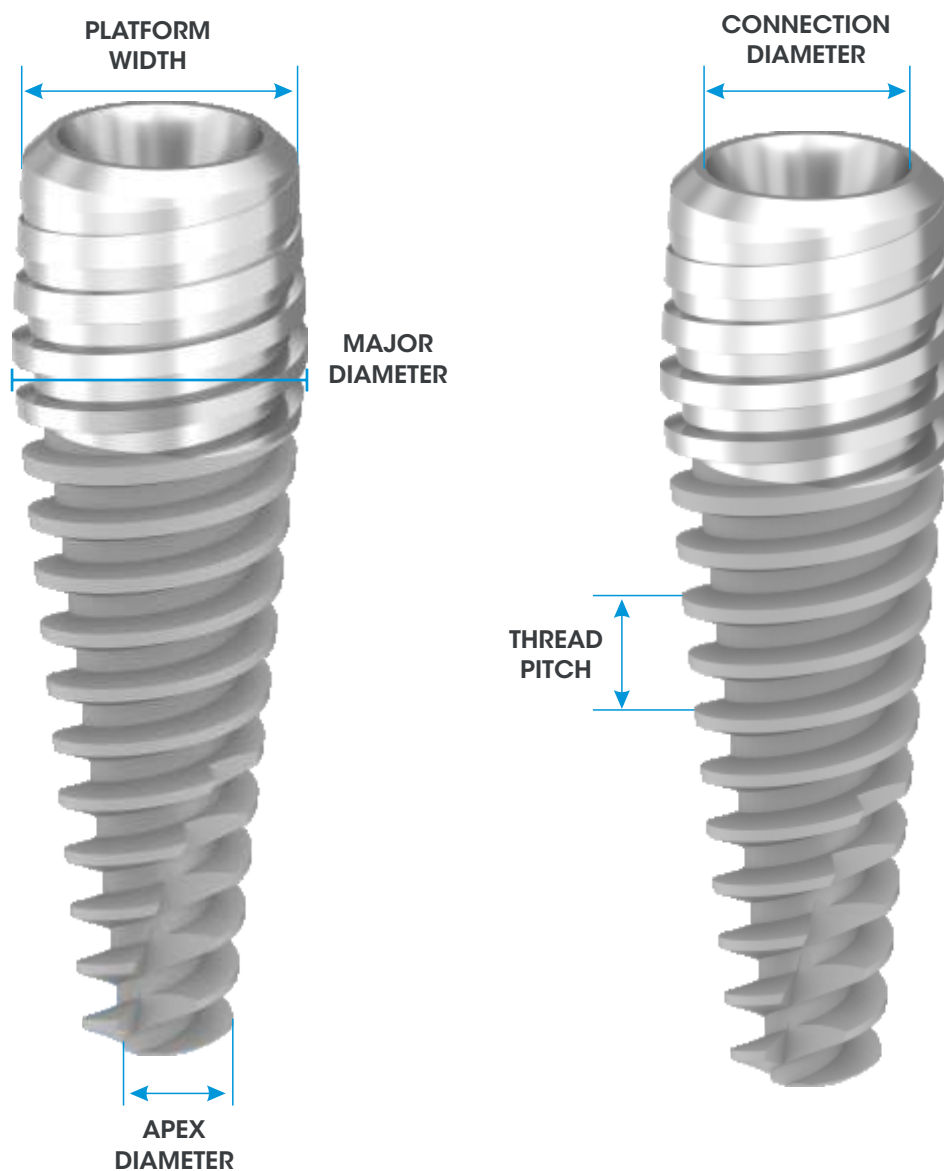
- T** = Titanium
- G** = Gold
- B** = Brass
- P** = Passive screws - Titanium anodised

NOTE:

- always ensure that the correct screw is used for the relevant implant and component.
- * blackened and for laboratory use only
- universal drivers are compatible with both 1.22 and 1.27 hex screws:
 - IHD-22U-S/M/L
 - IHH-22U-S/M/L
 - IWI-22U-S/M/L

IMPLANT DIMENSIONS AND INFORMATION

RANGE	MAJOR DIAMETER	PLATFORM WIDTH	PROSTHETIC PLATFORM	CONNECTION DIAMETER	THREAD PITCH	APEX DIAMETER	CYLINDRICAL or TAPERED	IMPLANT LENGTHS							
								10	11.5	13	15	18	20	22	24
● PT-DC40xx	4.0	3.70	● DC4 (Ø3.5/4 mm)	2.80	1.6	2.0	T	✓	✓	✓	✓	✓	✓	✓	✓



NOTE:

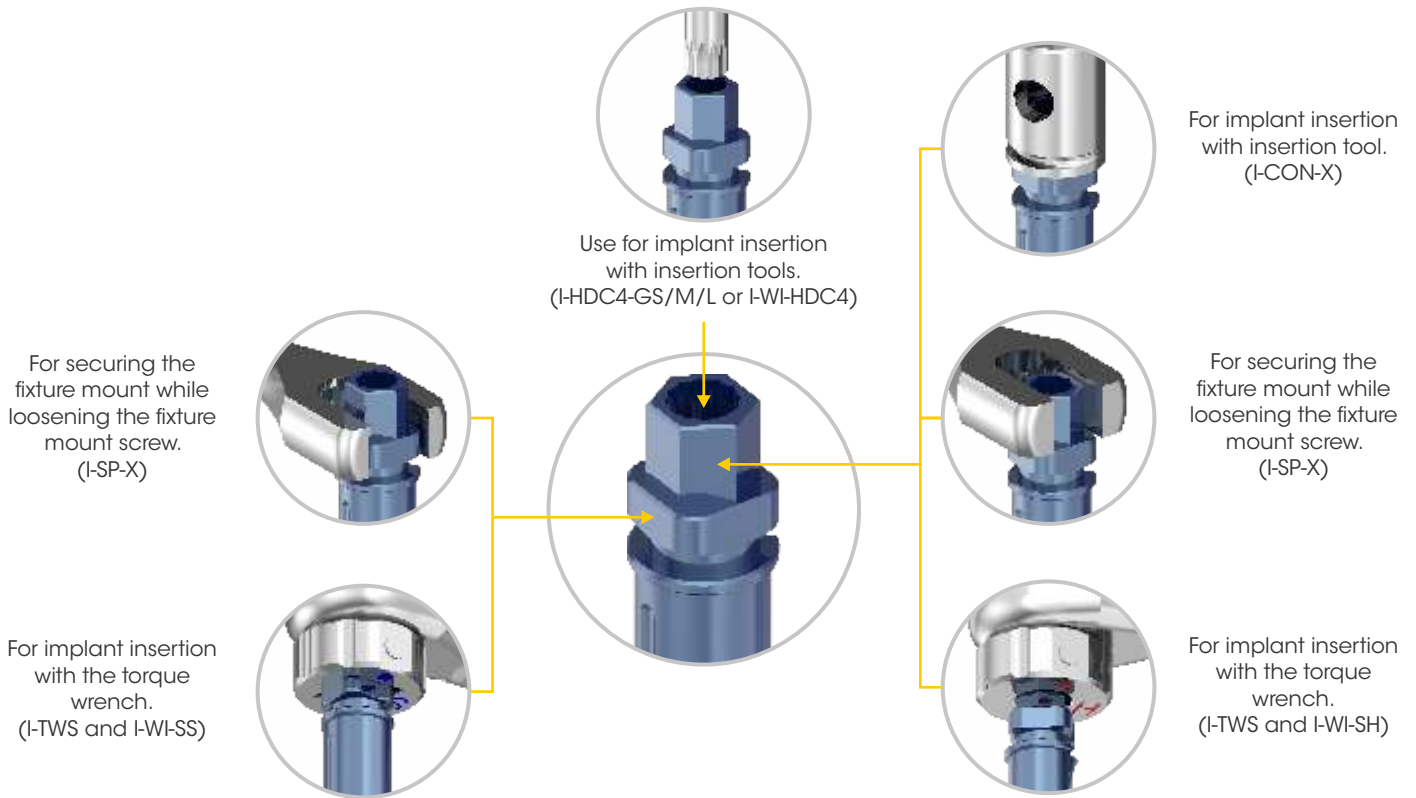
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Instruments for implants packaged with a fixture mount

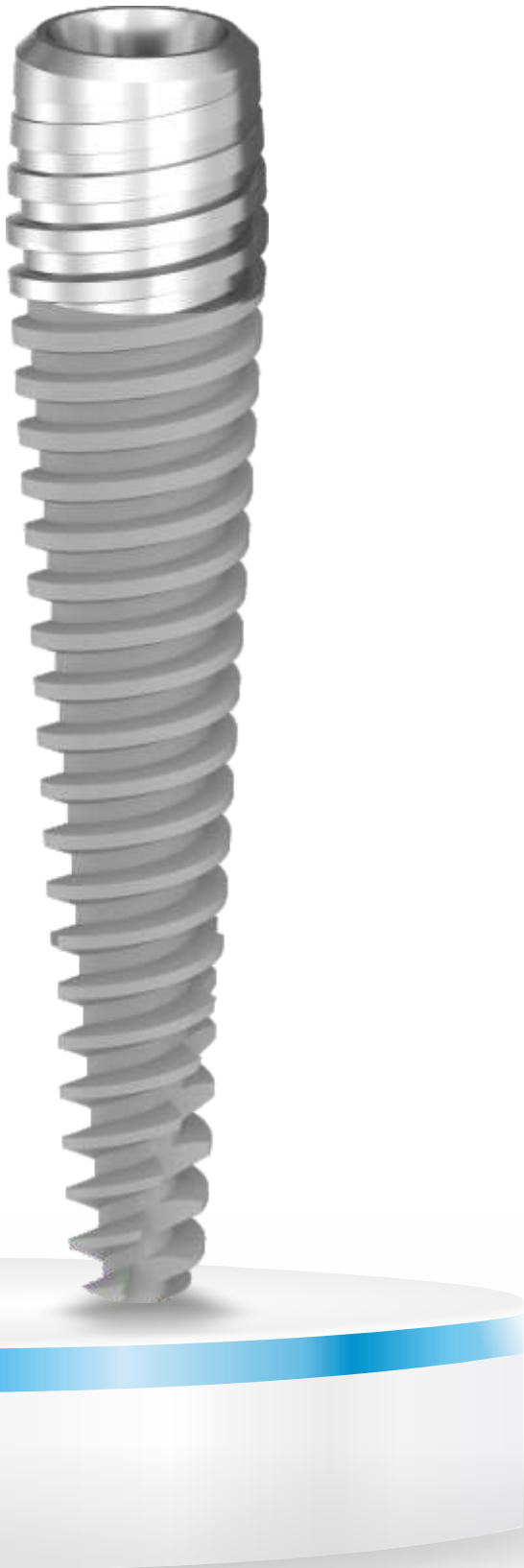
Engaging the SQUARE

Engaging the DOUBLE HEX

Engaging the HEX



NOTE: for images of instruments illustrated here, refer to instrument tray pages (10 - 14).



4 mm MSC Coronal Section

Machined Surface Coronally Implants offer a predictable treatment alternative compared to moderately rough implants.



Deep Conical (DC4) Connection

An 22° (11° off the central axis) internal conical connection interface, providing a tight implant-abutment seal and superior rigidity.



Wide Range of Lengths

Available in 10 mm, 11.5 mm, 13 mm, 15 mm, 18 mm, 20 mm, 22 mm and 24 mm implant variants.



Self-tapping Thread Design

Achieve optimal anchorage with a more aggressive thread pitch and tapered design.



Sinergy Surface

Moderately rough surface with over 20 years of documented successful clinical results.























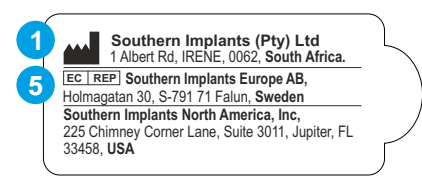
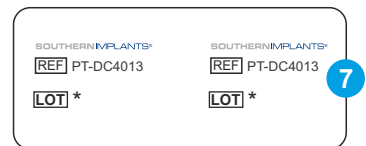
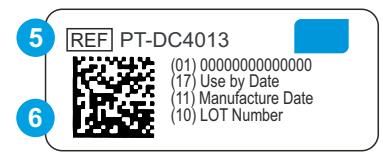
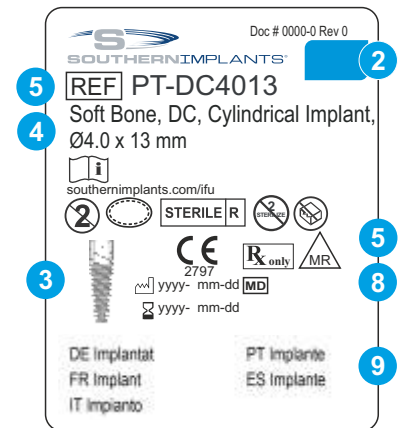
Narrower Apex

A 2 mm apex designed to achieve stability in underprepared sites.

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 Resterilise
-  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
-  MR Conditional / Magnetic Resonance Conditional
-  Single sterile barrier system
-  Double sterile barrier
- 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.
- 9 Product description
(translated as per international standards)



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



or visit our website
southernimplants.com/ifu

Platform interface



Images are for illustration purposes only and do not necessarily accurately represent the product.

For more information scan the below



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