



**SOUTHERNIMPLANTS®**

Innovative Treatment Solutions

**EXTERNAL HEX**  
**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](http://SOUTHERNIMPLANTS.COM)

**NOTE:**

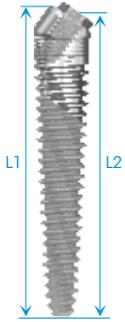
- images are for illustration purposes only and do not necessarily accurately represent the product.
- all dimensions in this catalogue are in mm, unless otherwise specified.
- not all products are cleared for sale in all countries.

## **EXTERNAL HEX**

Ø4.0 mm

36° Co-Axis®

**REDUCED PLATFORM**



MSC-IBR36D-xx



Restore with **Ø3.25 mm** prosthetics

(where xx is implant length)

Implants are premounted and available in lengths of:

NOTE: implant dimensions and information - page 72.

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)	
	L1	L2
MSC-IBR36D-20	20	20.7
MSC-IBR36D-22	22	22.7
MSC-IBR36D-24	24	24.7

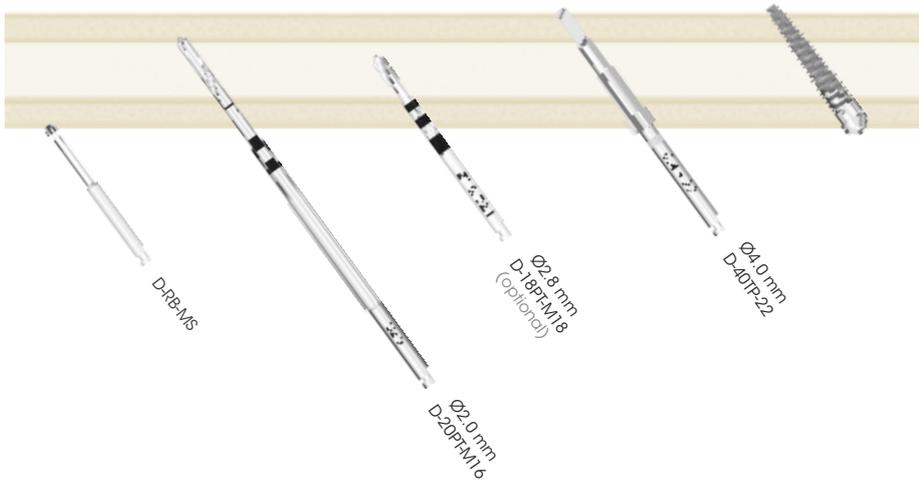
ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)	
	L1	L2
IBR36D-20	20	20.7
IBR36D-22	22	22.7
IBR36D-24	24	24.7

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

### Site Preparation Sequence

(illustrations are for 22 mm implants)

#### Ø4.0 mm Co-Axis® (MSC-IBR36D-xx)



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

### Surgical Components

#### Cover Screw

SCNU2



#### Healing Abutments

TBNx

Ø3.6



2/3/4/6/8  
lengths

WBNx

Ø4.5



2/3/4/6  
lengths

(where x is length)

DIRECT

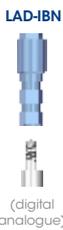
Healing Abutments



Impression Copings



Laboratory Analogues



Prosthetic Components

GC-EX-34 (engaging)  
GC-NX-34 (non-engaging)



Gold

TC-EX-34-C1 (engaging)  
TC-NX-34-C1 (non-engaging)



Titanium  
1 mm Collar

TC-EX-34-C5 (engaging)  
TC-NX-34-C5 (non-engaging)



Titanium  
5 mm Collar

PKR-EX-34 (engaging)  
PKR-NX-34 (non-engaging)



PEEK\*  
\*Screw torque:  
15 Ncm

SIB-EX-34-43C1.5 (engaging)  
SIB-NX-34-43C1.5 (non-engaging)



Ø4.3 platform  
1.5 mm collar

SIB-EX-34-43C3 (engaging)  
SIB-NX-34-43C3 (non-engaging)



Ø4.3 platform  
3 mm collar

SIB-EX-34-48C3 (engaging)  
SIB-NX-34-48C3 (non-engaging)



Ø4.8 platform  
3 mm collar

SIB-EX-34-48C5 (engaging)  
SIB-NX-34-48C5 (non-engaging)



Ø4.8 platform  
5 mm collar

TIB-EX-34 (engaging)  
TIB-NX-34 (non-engaging)



0.6 mm collar

TIB-EX-34-C1.5 (engaging)  
TIB-NX-34-C1.5 (non-engaging)



1.5 mm collar

TIB-EX-34-C3 (engaging)  
TIB-NX-34-C3 (non-engaging)



3 mm collar

CIA-EX-34 (engaging)  
CIA-NX-34 (non-engaging)



PASSIVE Abutment

SBN16 (engaging)  
SBN-17-TT (non-engaging)



Angulated Screw Channel Abutment

ASC-EX-34



(packed with screw)

Retaining Screws

3 Series Screws  
TORQUE:  
32 - 40 Ncm

2 Series Screws  
TORQUE:  
32 - 40 Ncm

ASC Abutment Screw

TSTZ5-ASC



Titanium  
Torque  
32 - 40 Ncm

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

**INDIRECT**

**Compact Conical Abutment**

**ABNMCZ**



1/2/3/4/5.5

**ABNMC17D+**



\* Packed with TSUZ9

**TORQUE:**  
20 Ncm

**Healing Caps**

**HMC**



4/6

**OR**

**HMCT7**



4/6

**Impression Copings**

**CMC1**  
(pick-up)



**CMC2**  
(Transfer)



**CMC-ZG-2**  
(Transfer)



**SFT-MC-48**  
(scanning flag)



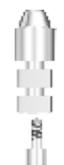
Titanium

**Laboratory Analogues**

**LSMC1**



**LAD-MC**



(digital analogue)

**Prosthetic Components**

**GMC1**



Gold

**TMC1 / 5**



Titanium  
**TMCSL**  
(long version)

**SIB-TMC1**



1 mm collar

**PA-MC-48**

(passive abutment)



**ASC-TMC-1**

(angulated screw channel abutment)



(packed with screw)

**Retaining Screws**

**PKC-MC**



PEEK\*  
\*Screw torque:  
10 - 15 Ncm

**1 Series**  
Screws

**TORQUE:**  
10 - 15 Ncm

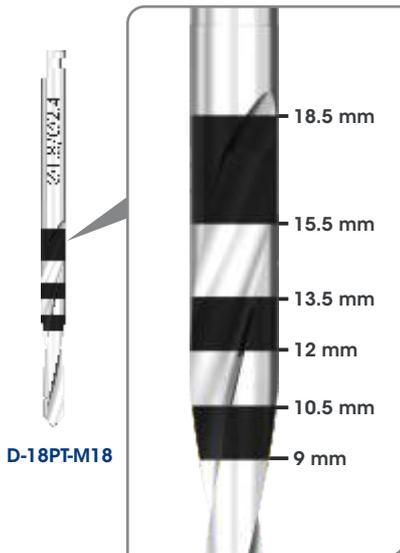
**TST1-ASC**



**TORQUE:**  
10 - 15 Ncm

## DRILL INFORMATION

### Twist drill markings



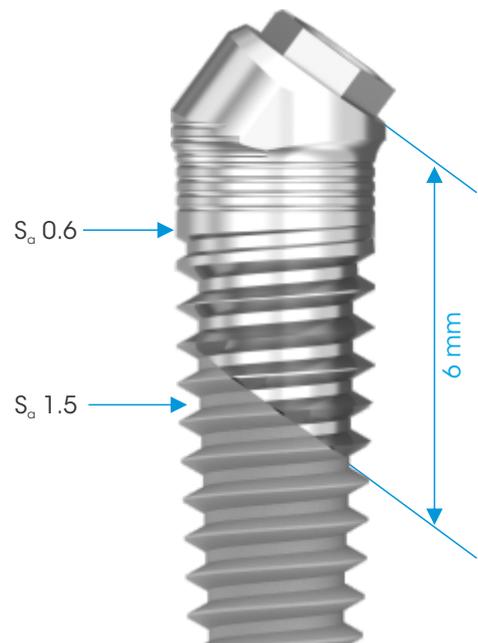
## MSC IMPLANTS

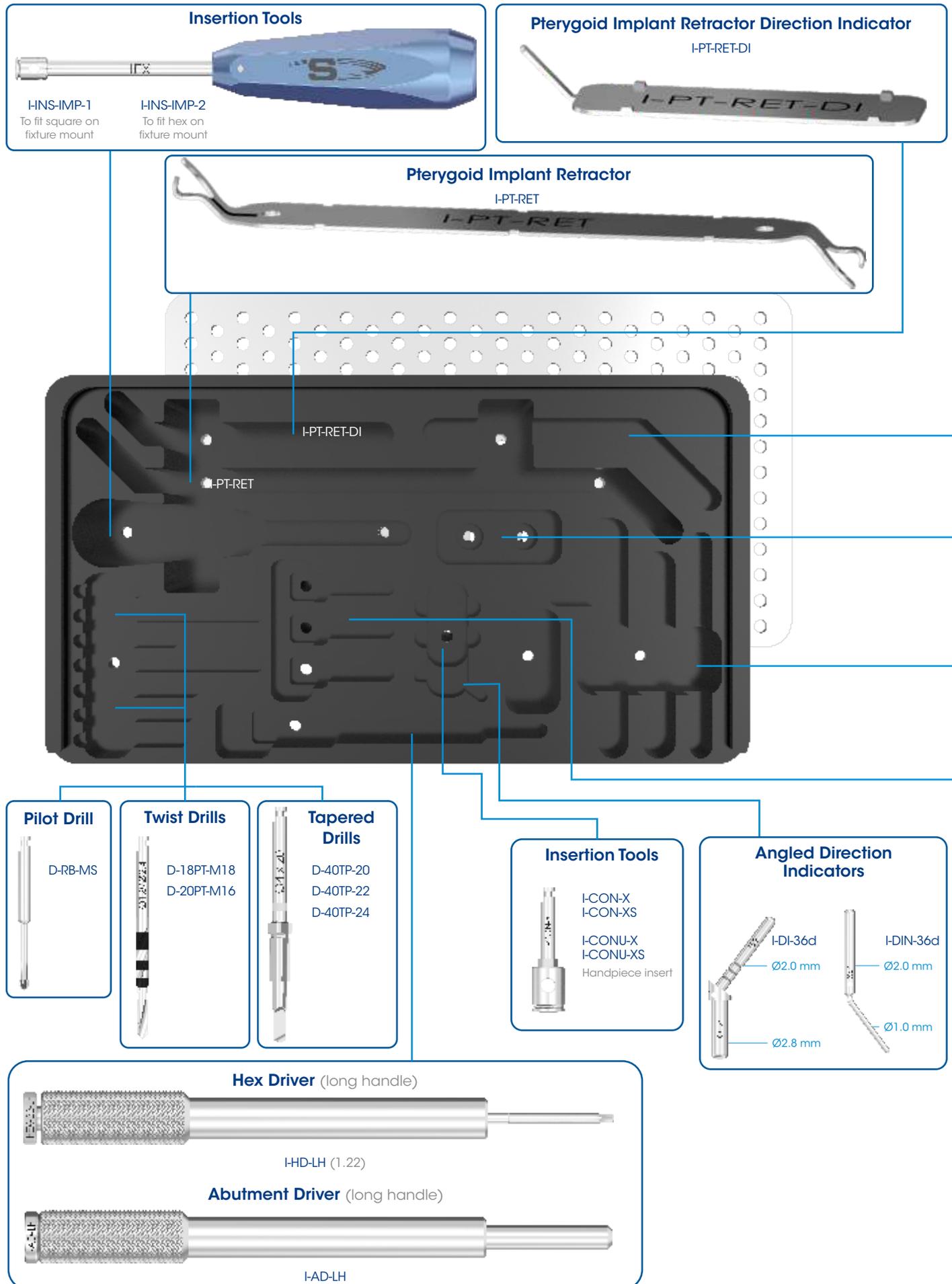
### MSC stands for Machined Surface Coronally

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 6 mm parallel to the 36° angled platform.





**Depth Gauge**



**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.

**Torque Wrench**



I-TWS

**Torque Attachment**



I-TWS-B45  
I-TWS-B100

**Abutment Drivers (Hex)**



**I-AD**  
Handheld



**I-HAD**  
Handpiece Insert



**I-WI-A**  
Wrench Insert

**Hex Drivers**

UNIVERSAL (1.22/1.27)



**I-HD-22U-S/M/L**  
Handheld



**I-HHD-22U-S/M/L**  
Handpiece Insert



**I-WI-22U-S/M/L**  
Wrench Insert

**Cover Screw Drivers (0.9 mm Hex)**



**I-CS-HD / L**  
Handheld



**I-HHD-09**  
Handpiece Insert



**I-WI-09**  
Wrench Insert

**ASC Drivers**



**I-HD-ASC-M/L**  
Handheld



**I-HASC-M/L**  
Handpiece Insert

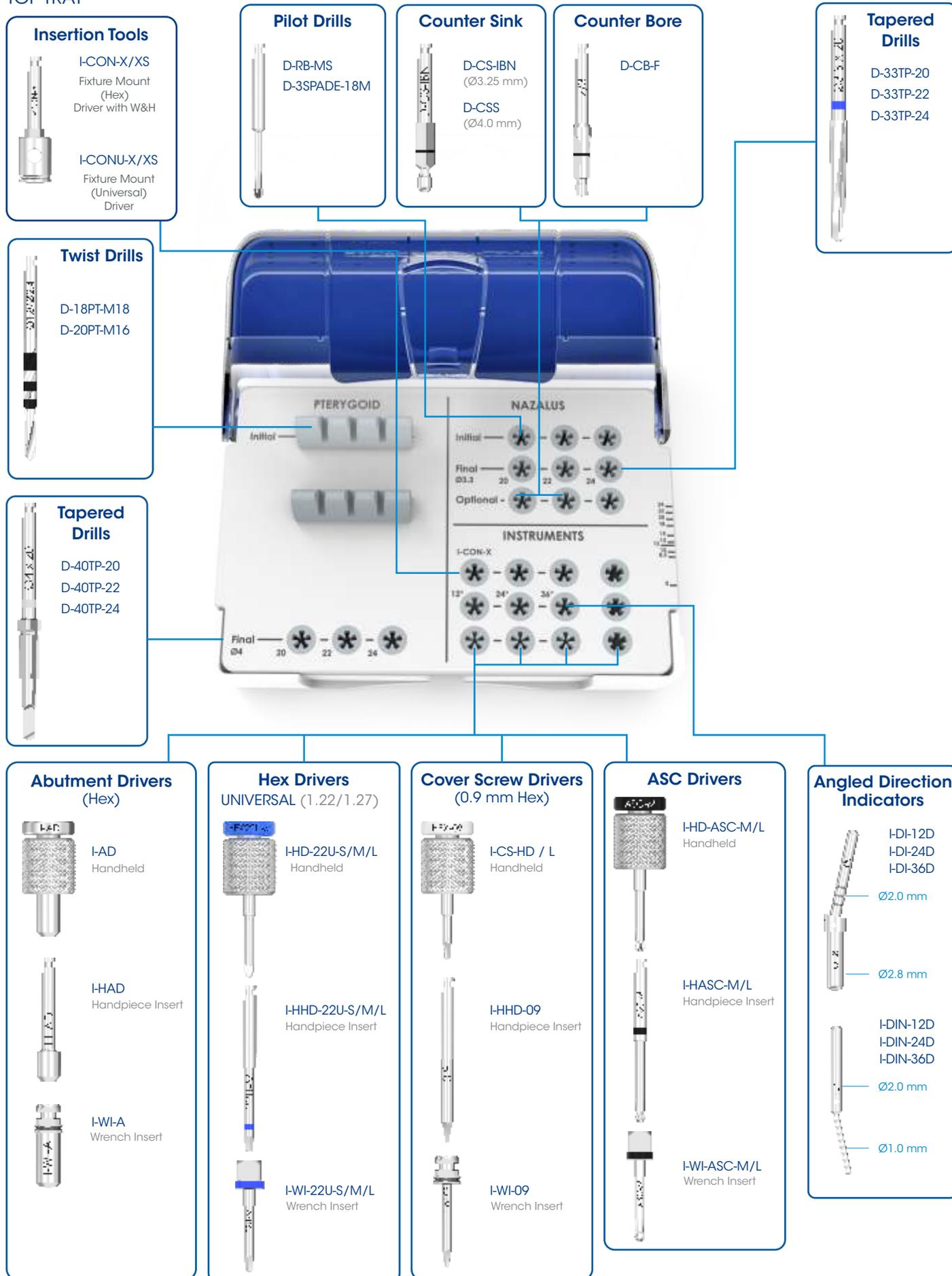


**I-WI-ASC-M/L**  
Wrench Insert

**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.



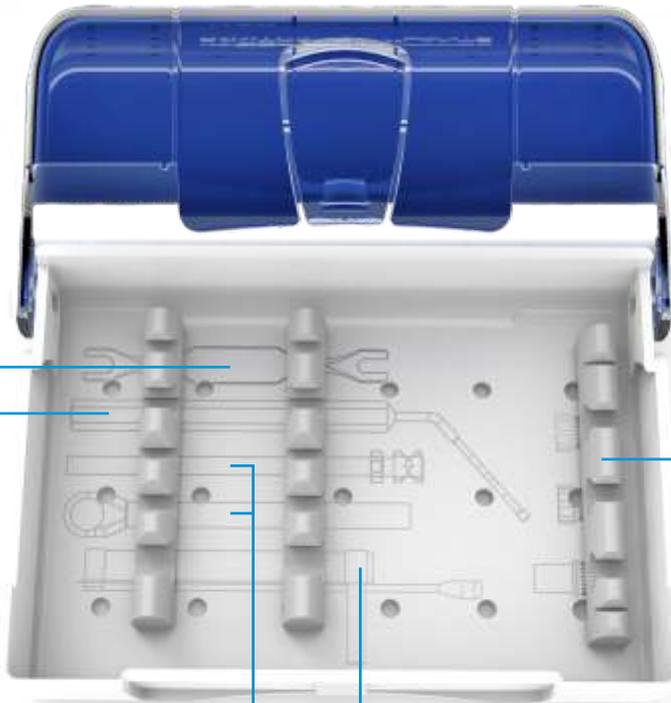
**I-WI-SL**  
For Handpiece inserts (latch-type) without the W&H hex.



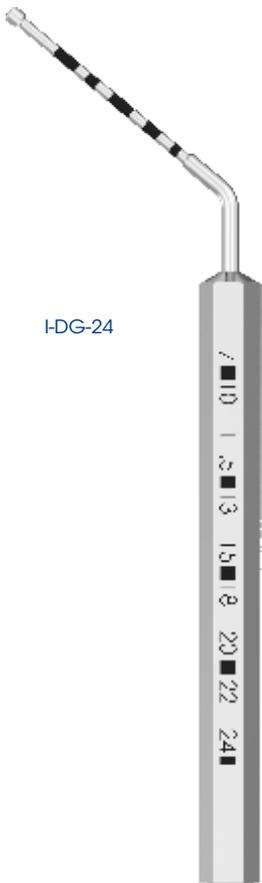
**I-WI-SS**  
For SQUARE connection of fixture mounts and instruments.



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



**Depth Gauge**



I-DG-24

**Torque Wrench**



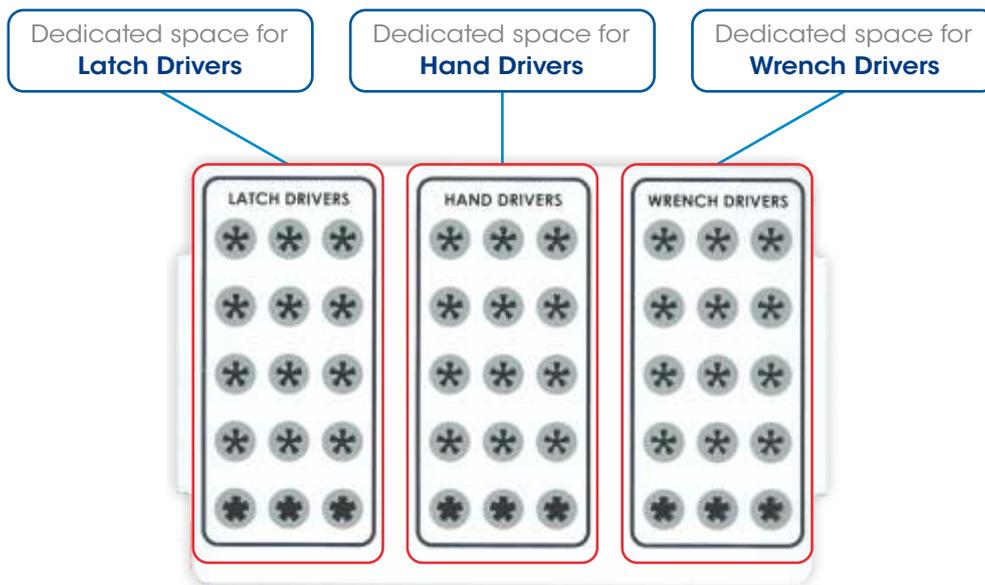
I-TWS

**Torque Attachment**



I-TWS-B45  
I-TWS-B100

TOP TRAY



BOTTOM TRAY

**Flat Spanner**  
ISP-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

## EXTERNAL HEX

### 2 Series screws (M2)

1.22 Hex



TSHZ2



BSH2\*  
(finger tighten)

SLOTTED



TSSZ2



BSS2\*  
(finger tighten)

UNIGRIP



TSUZ2

**TORQUE:**  
32 - 40 Ncm  
**Head diameter:**  
2.70 mm

### 3 Series screws (M2)



TSHZ3



BSH3\*  
(finger tighten)



TSSZ3



BSS3\*  
(finger tighten)



TSUZ3

**TORQUE:**  
32 - 40 Ncm  
**Head diameter:**  
2.40 mm

**NOTE:** screw TORQUE with PEEK prosthetics: <math>\lt; \varnothing 4.0 \text{ mm}</math> implant interfaces: 15 Ncm  
>math>\ge \varnothing 4.0 \text{ mm}</math> implant interfaces: 20 Ncm

### ASC abutment screws

#### ASC 1 Series screw



TSTZ5-ASC

**TORQUE:**  
32 - 40 Ncm  
**Head diameter:**  
2.2 mm



TST1-ASC

**TORQUE:**  
10 - 15 Ncm  
**Head diameter:**  
2.30 mm

### 9 Series, Angled Compact Conical Abutment screws (M2)

#### Digital Laboratory Analogue screw

Unigrip



TSUZ9\*

**TORQUE:**  
20 Ncm  
**Head diameter:**  
2.50 mm

1.22 Hex



LAD-S

**TORQUE:**  
Finger tighten  
**Head diameter:**  
2.40 mm

**NOTE:** supplied with angled compact conical abutment.

**NOTE:** supplied with all digital analogues.

### 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

**NOTE:** screw TORQUE with PEEK prosthetics: 10 - 15 Ncm

### Screw Head Connections

Hex



Slotted



Unigrip



ASC

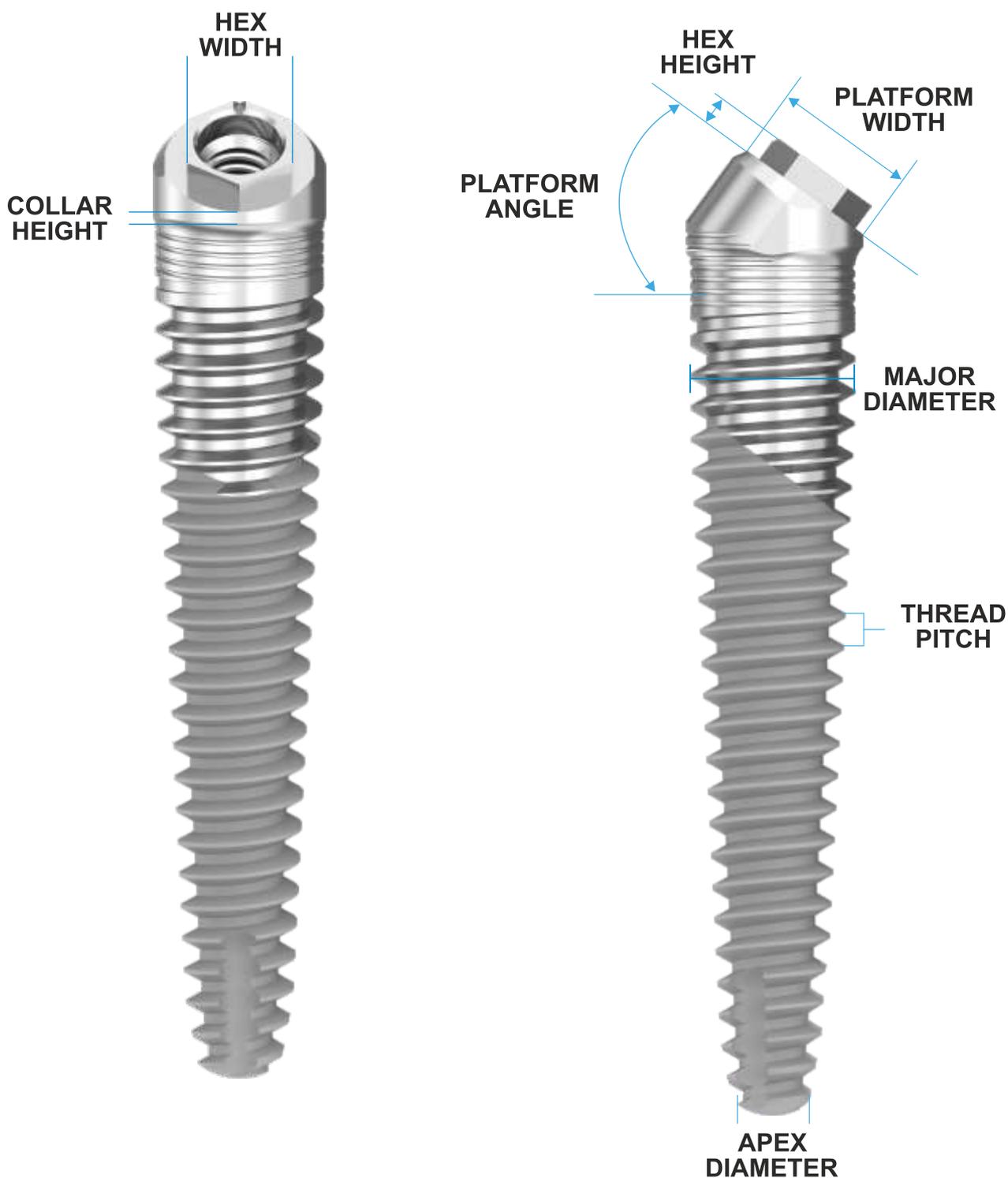


**NOTE:**

- 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.
- \* 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

## IMPLANT DIMENSIONS AND INFORMATION

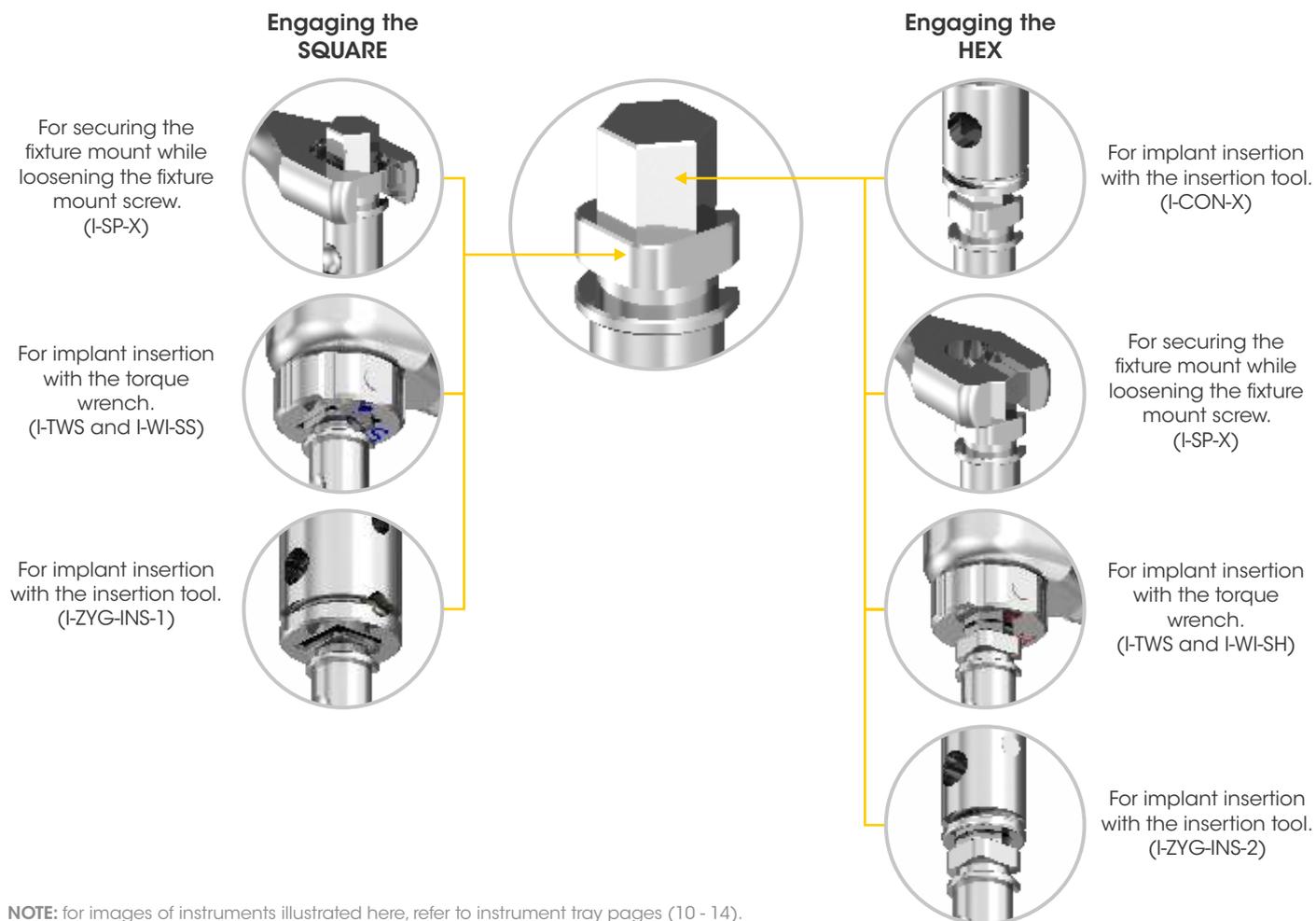
RANGE	MAJOR DIAMETER	PLATFORM WIDTH	PROSTHETICS	HEX HEIGHT	COLLAR HEIGHT	HEX DIAMETER	THREAD PITCH	APEX DIAMETER	Cylindrical or Tapered	PLATFORM ANGLE	IMPLANT LENGTHS			
											20	22	24	
● IBR36D-xx	∅3.25 mm	4.2	4.07	● ∅3.25	0.7	0.6	2.80	1.6	2.6	T	36°	✓	✓	✓
● MSC-IBR36D-xx	∅3.25 mm	4.2	4.07	● ∅3.25	0.7	0.6	2.80	1.6	2.6	T	36°	✓	✓	✓



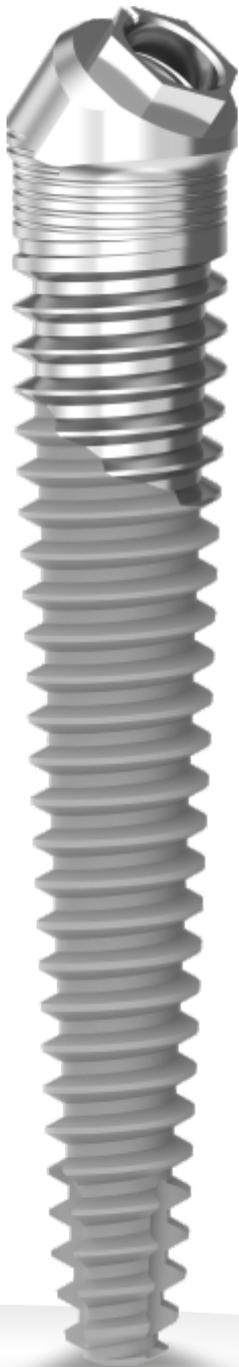
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- not all products are cleared for sale in all countries.

## Instruments for implants packaged with a fixture mount



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



### **Co-Axis® Enabled**

A 36° angled prosthetic platform correction at implant level to provide ideal prosthetic screw emergence.



### **6 mm MSC Section**

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



### **Narrower Apex**

Ideal for engaging the pterygoid process of the Sphenoid bone.



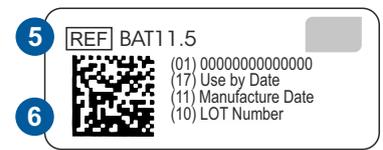
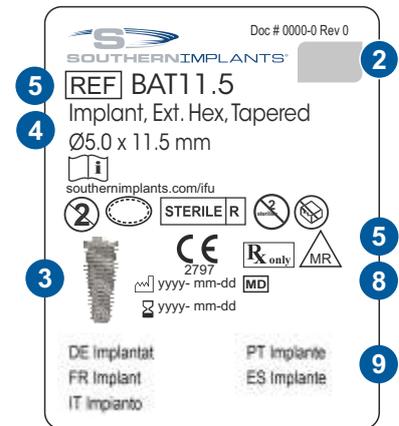
### **Bone Mill Fixture Mount**

Aiding in implant insertion and as a bone mill to prepare the alveolar bone for abutment seating.

## 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  Sterilisation 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](http://southernimplants.com/ifu)

### Platform Interface



For more information scan the below



to contact your Southern Implants Representative  
or visit [southernimplants.com](http://southernimplants.com)



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