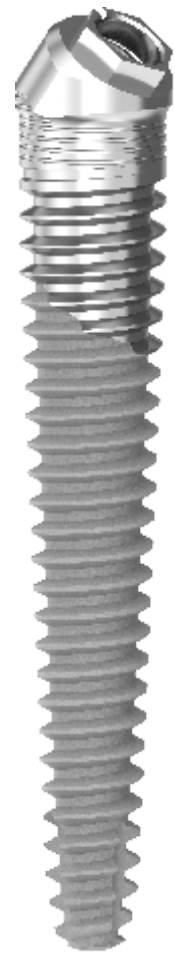




SOUTHERNIMPLANTS®

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

NOTE:

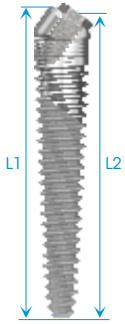
- images are for illustration purposes only and do not necessarily accurately represent the product.
- all dimensions in this catalogue are in mm, unless otherwise specified.
- not all products are cleared for sale in all countries.

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

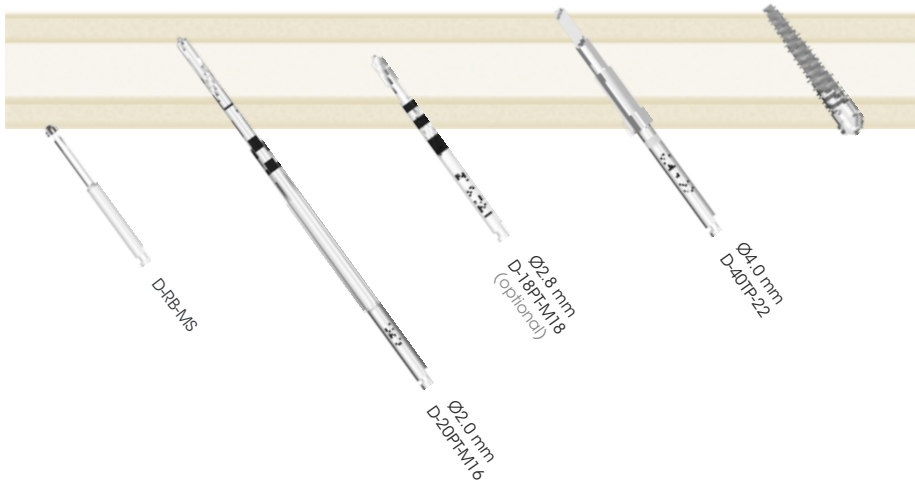
ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)	
	L1	L2
IBR36D-20	20	20.7
IBR36D-22	22	22.7
IBR36D-24	24	24.7

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)



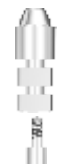
Titanium

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

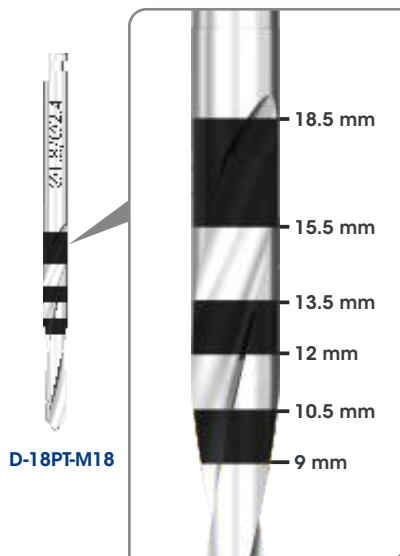
TST1-ASC



TORQUE:
10 - 15 Ncm

DRILL INFORMATION

Twist drill markings



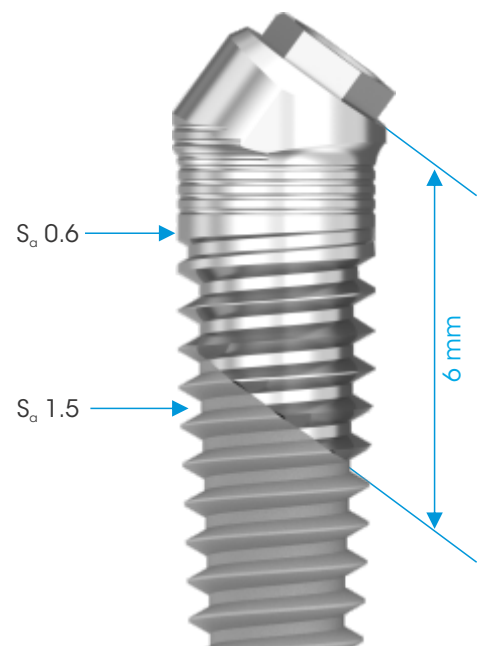
MSC IMPLANTS

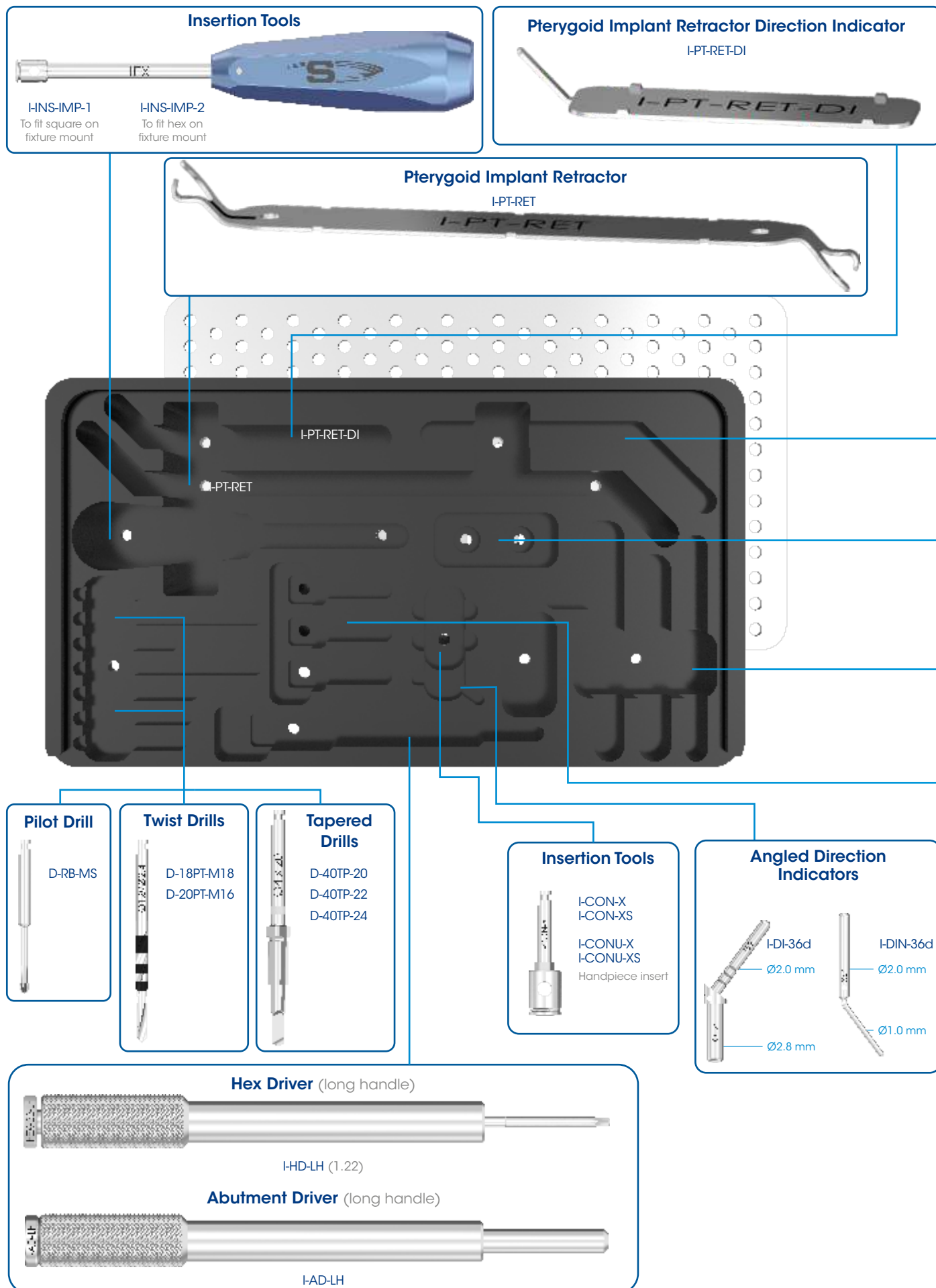
MSC stands for Machined Surface Coronally

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



Torque Wrench



Torque Attachment



Abutment Drivers (Hex)



Hex Drivers UNIVERSAL (1.22/1.27)



Cover Screw Drivers (0.9 mm Hex)



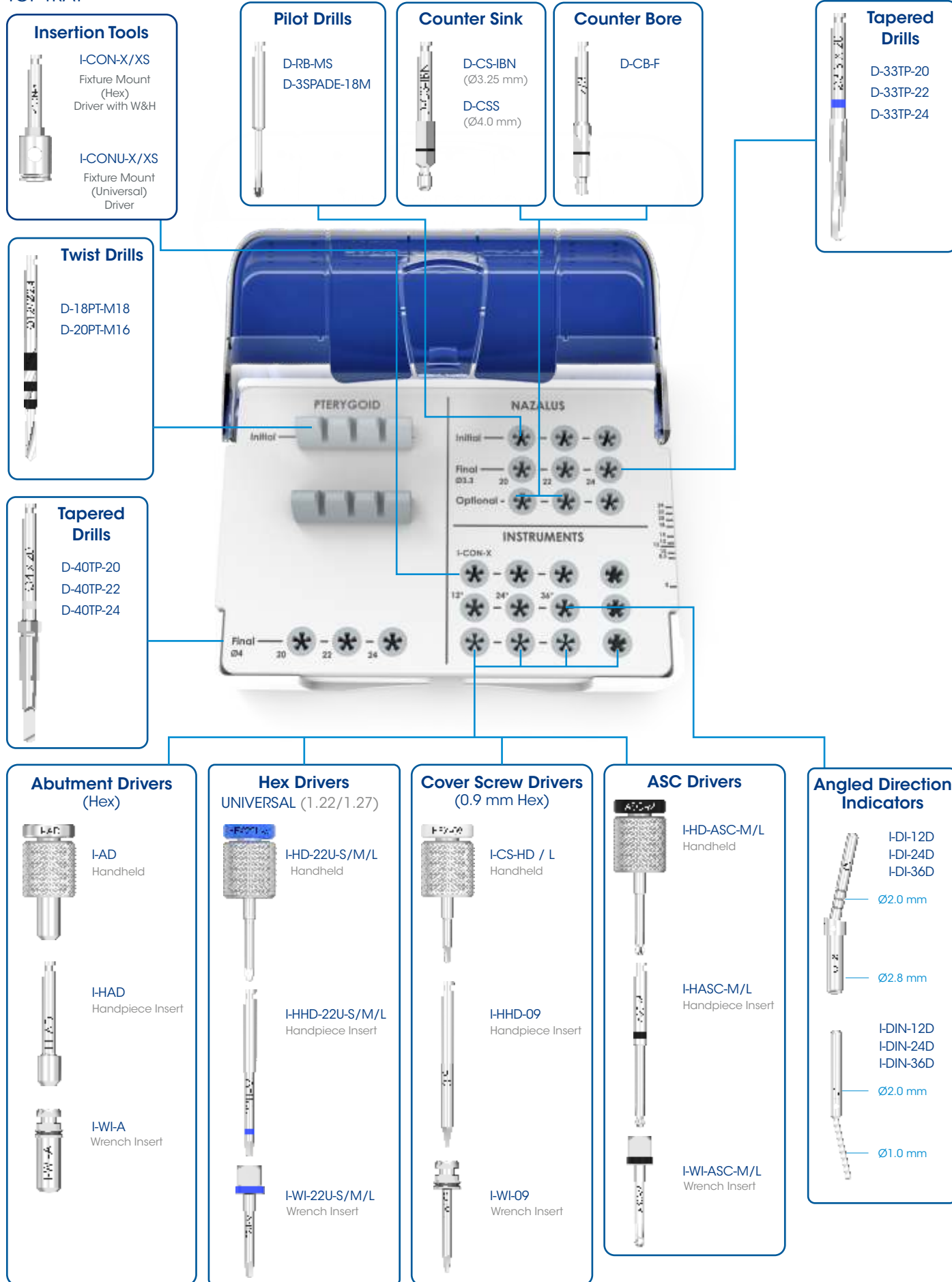
ASC Drivers



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.



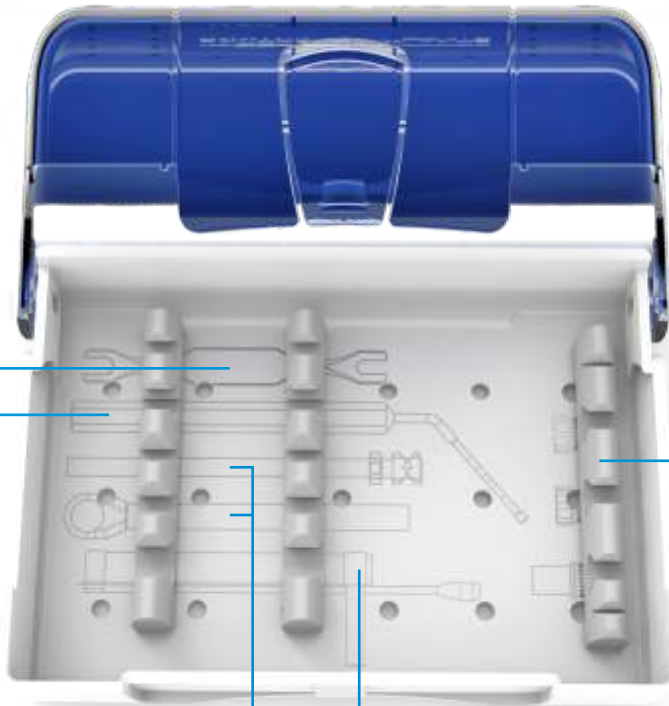
I-WI-SL
For Handpiece inserts (latch-type) without the W&H hex.



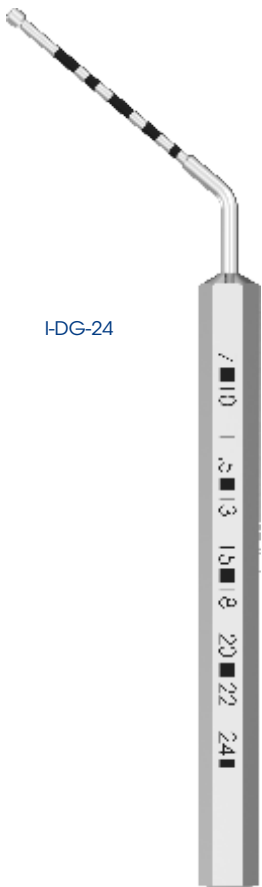
I-WI-SS
For SQUARE connection of fixture mounts and instruments.



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



Depth Gauge



I-DG-24

Torque Wrench



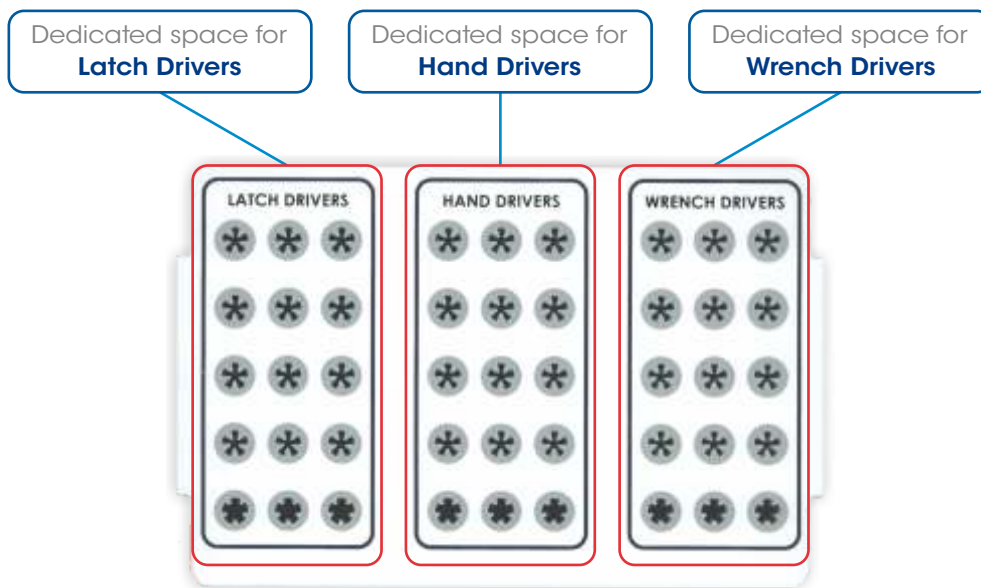
I-TWS

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: $\lt; \varnothing 4.0 \text{ mm}$ 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

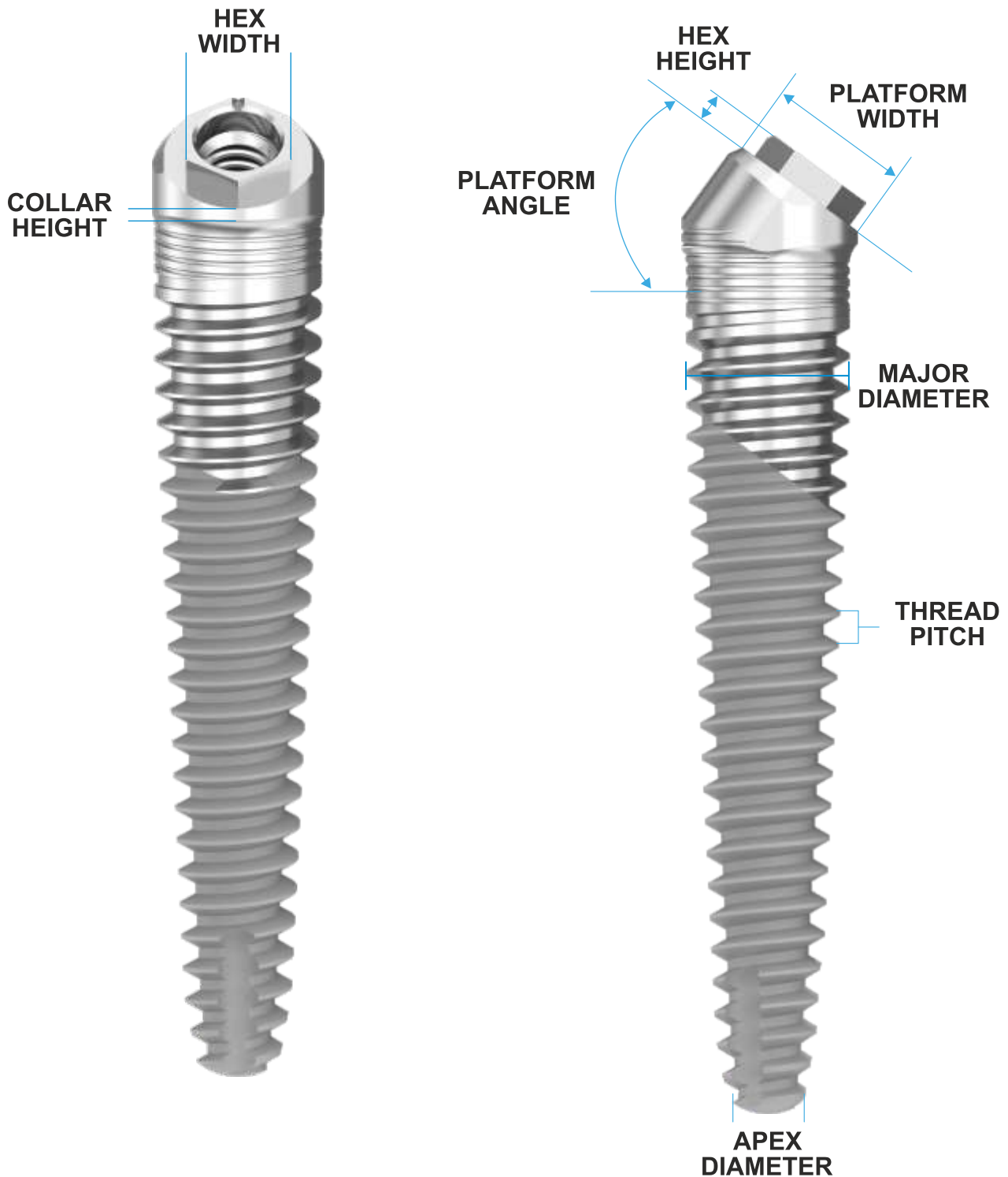


NOTE:

- 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

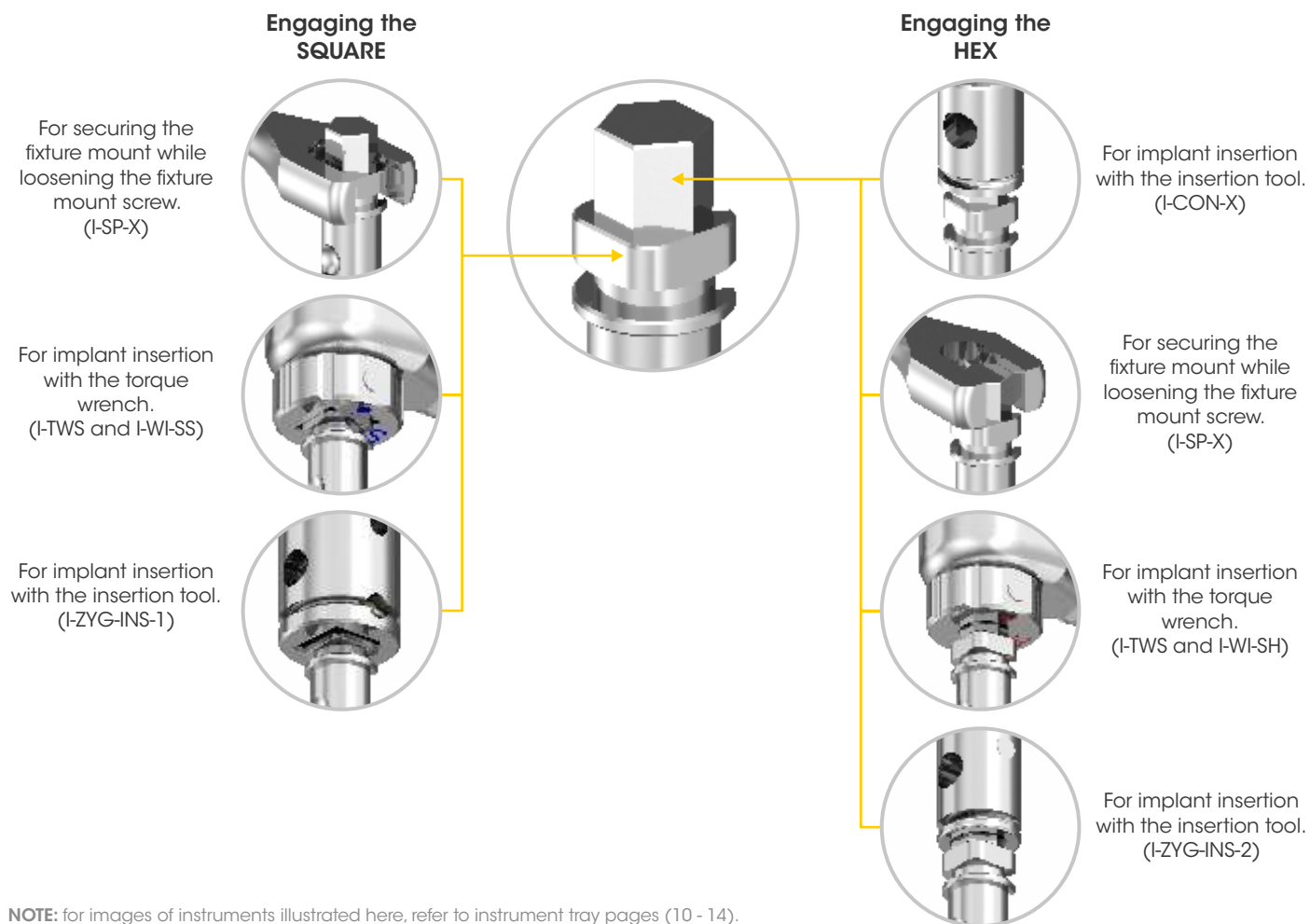
RANGE	MAJOR DIAMETER	PLATFORM WIDTH	PROSTHETICS	HEX HEIGHT	COLLAR HEIGHT	HEX DIAMETER	THREAD PITCH	APEX DIAMETER	Cylindrical or Tapered	PLATFORM ANGLE	IMPLANT LENGTHS			
											20	22	24	
● IBR36D-xx	∅3.25 mm	4.2	4.07	● ∅3.25	0.7	0.6	2.80	1.6	2.6	T	36°	✓	✓	✓
● MSC-IBR36D-xx	∅3.25 mm	4.2	4.07	● ∅3.25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



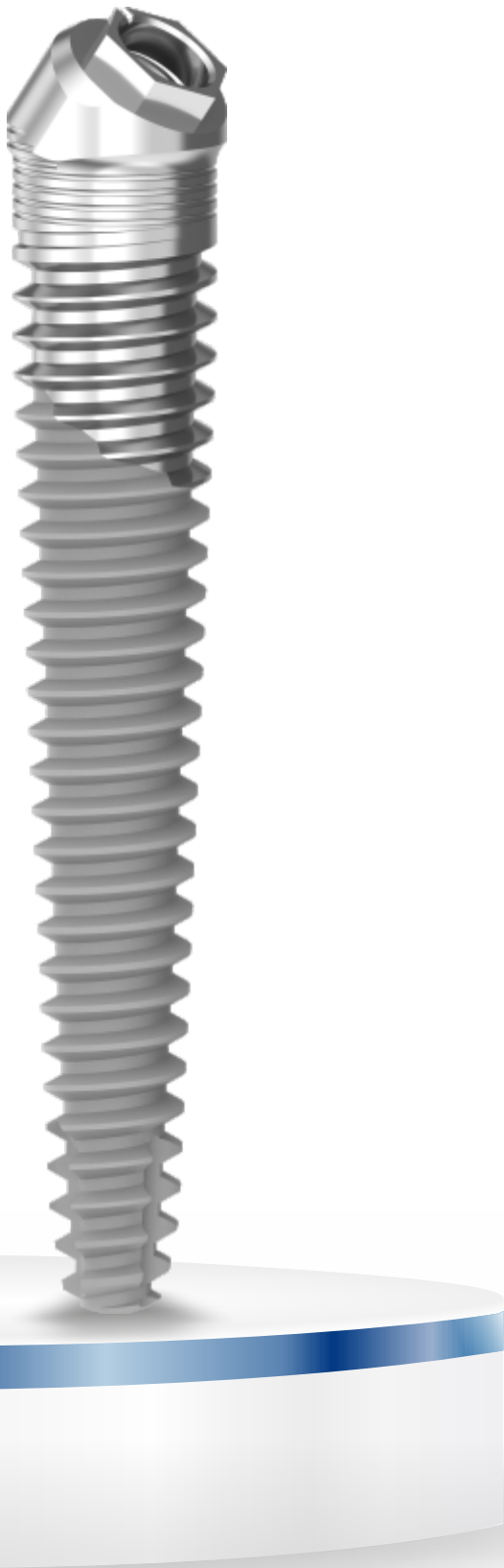
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Instruments for implants packaged with a fixture mount



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.























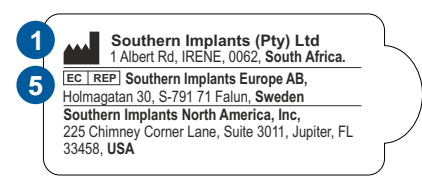
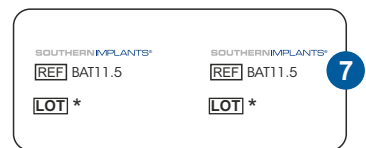
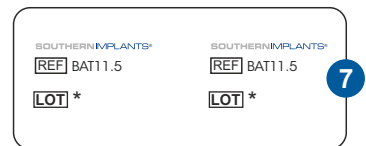
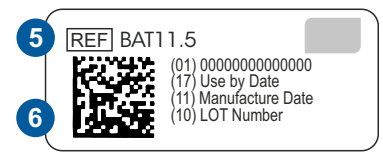
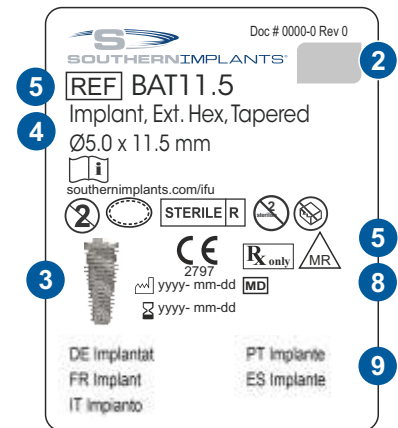
Bone Mill Fixture Mount

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

Platform Interface



For more information scan the below



to contact your Southern Implants Representative
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