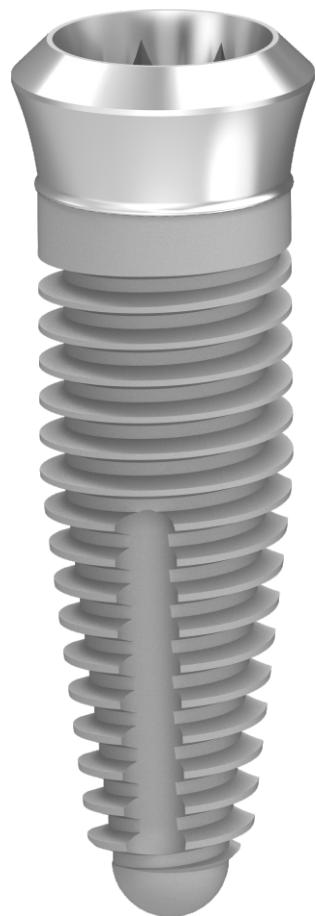




Internal Octagon Implants

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 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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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.

INTERNAL OCTAGON

Standard interface

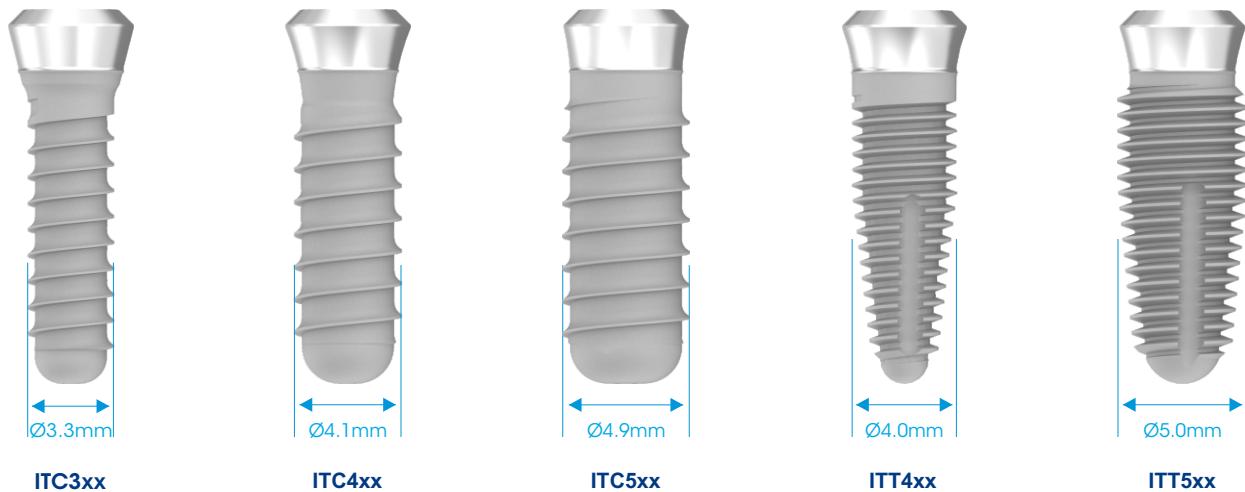
Ø3.3mm

Ø4.0mm

Ø5.0mm

Ø3.3mm / Ø4.0mm / Ø5.0mm Implants (Parallel Walled & Tapered)

⚠️ Restore with Ø4.8mm Standard Interface Components



(where **xx** is implant length)

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 33.

Implants supplied without fixture mount:

ITEM CODE	IMPLANT LENGTHS (in mm)
ITC3	06 / 08 / 10 / 12 / 14
ITC4	06 / 08 / 10 / 12 / 14
ITT4	08 / 10 / 12 / 14
ITT5	08 / 10 / 12 / 14

Implants pre-mounted with fixture mount (indicated with "F" in item code):
Packaged with TT1 Healing Abutment.

ITEM CODE	IMPLANT LENGTHS (in mm)
ITC3	06F / 08F / 10F / 12F / 14F
ITC4	06F / 08F / 10F / 12F / 14F
ITT4	08F / 10F / 12F / 14F
ITC5	06F / 08F / 10F / 12F / 14F
ITT5	08F / 10F / 12F / 14F



Surgical Components

Cover Screw

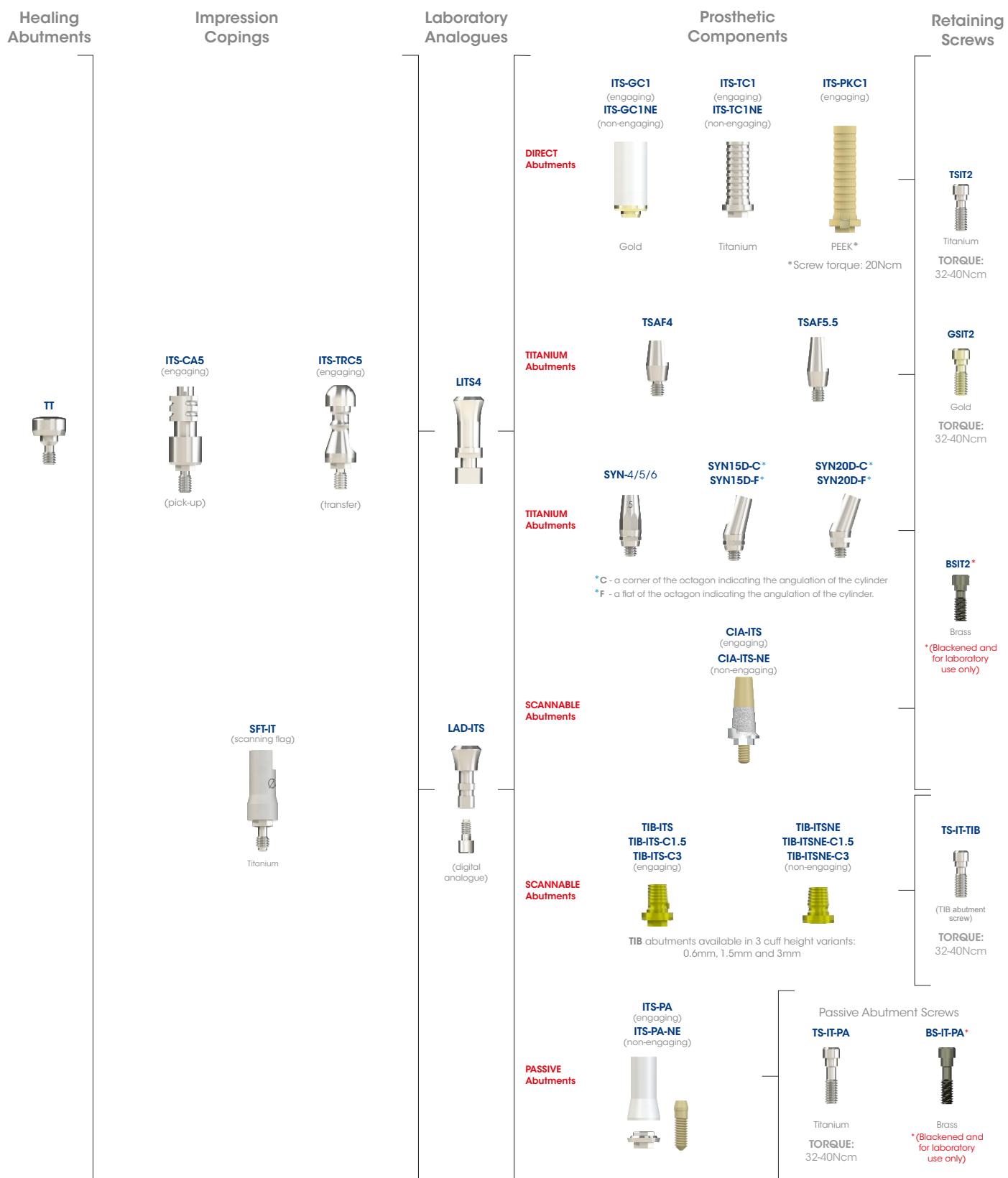
Healing Abutments

TT0

TT



1 / 2 / 3 / 5 / 6 / 8 / 10 / 12
lengths

**NOTE:**

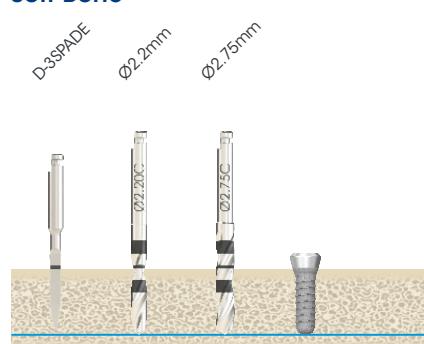
- Tighten passive abutment luting screw and digital lab analogue screw with 1.22/1.27 Universal driver.
- Refer to CAT-1189 for Equator Overdenture Abutments.

Site Preparation Sequence

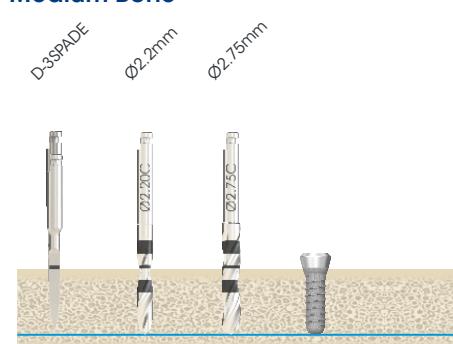
Ø3.3mm Parallel Walled (ITC3)

(illustration is for 10mm implants)

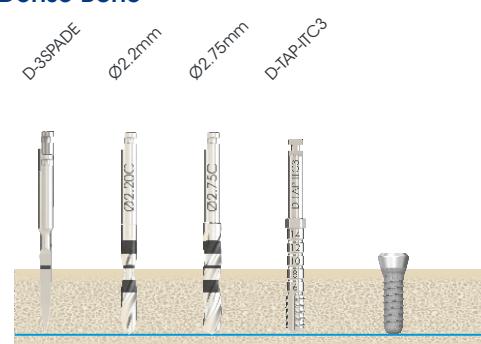
Soft Bone



Medium Bone



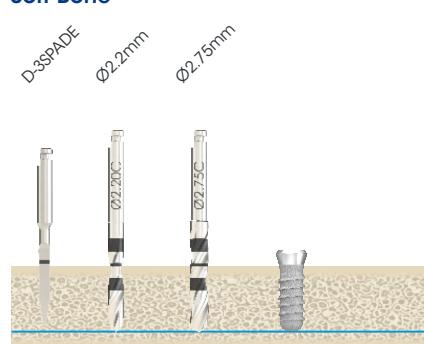
Dense Bone



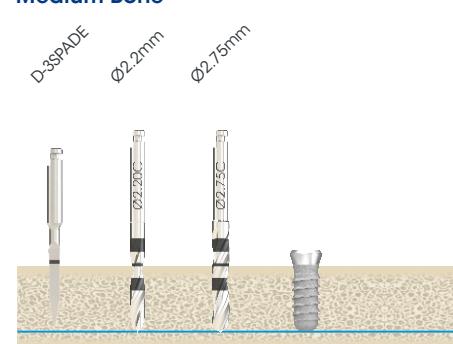
Ø4.1mm Parallel Walled (ITC4)

(illustrations are for 10mm implants)

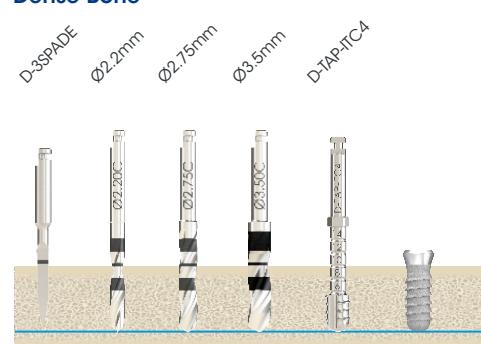
Soft Bone



Medium Bone

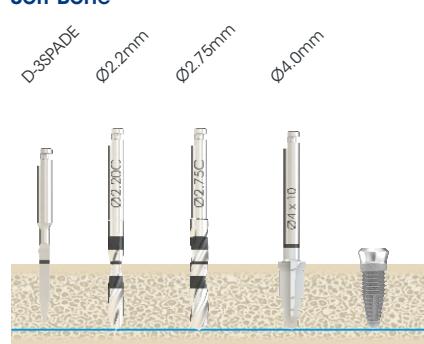


Dense Bone

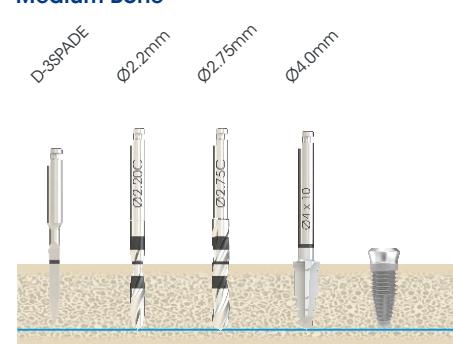


Ø4.1mm Tapered (IT4)

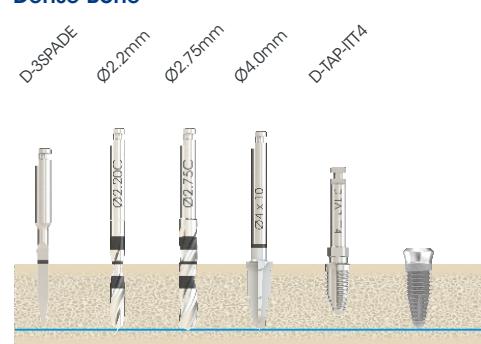
Soft Bone



Medium Bone



Dense Bone



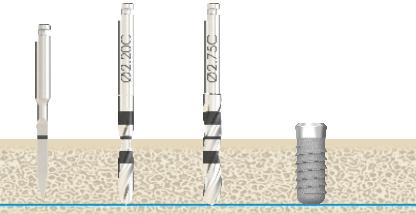
Site Preparation Sequence

Ø4.9mm Parallel Walled (ITC5)

(illustrations are for 10mm implants)

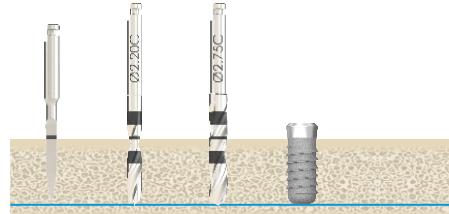
Soft Bone

D-3SPADE
Ø2.2mm
Ø2.75mm



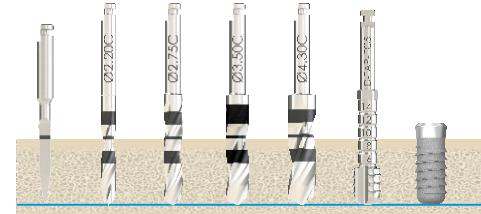
Medium Bone

D-3SPADE
Ø2.2mm
Ø2.75mm



Dense Bone

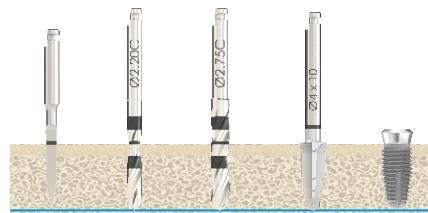
D-3SPADE
Ø2.2mm
Ø2.75mm
Ø3.5mm
Ø4.3mm
D-TAP-ITC5



Ø5.0mm Tapered (ITT5)

Soft Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm



Medium Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm



Dense Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm
Ø5.0mm
D-TAP-ITT5



NOTE: • Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.
• Refer to page 34 for Insertion Tool Protocols.

INTERNAL OCTAGON

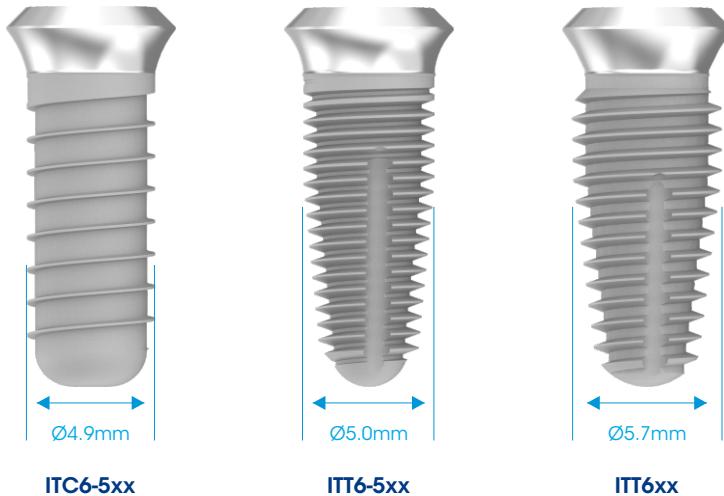
Wide interface

Ø5.0mm

Ø6.0mm

Ø5.0mm Implants (Parallel Walled) / Ø5.0mm / Ø6.0mm Implants (Tapered)

 Restore with Ø6.5mm WIDE Interface Components



ITC6-5xx

ITT6-5xx

ITT6xx

(where **xx** is implant length)

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 33.

Implants supplied without fixture mount:

ITEM CODE	IMPLANT LENGTHS (in mm)
ITT6-5	08 / 10 / 12

Implants pre-mounted with fixture mount (indicated with "F" in item code):
Packaged with TT1 Healing Abutment.

ITEM CODE	IMPLANT LENGTHS (in mm)
ITC6-5	06F / 08F / 10F / 12F
ITT6-5	08F / 10F / 12F
ITT6	08F / 10F / 12F



Surgical Components

Cover Screw

TT6-0

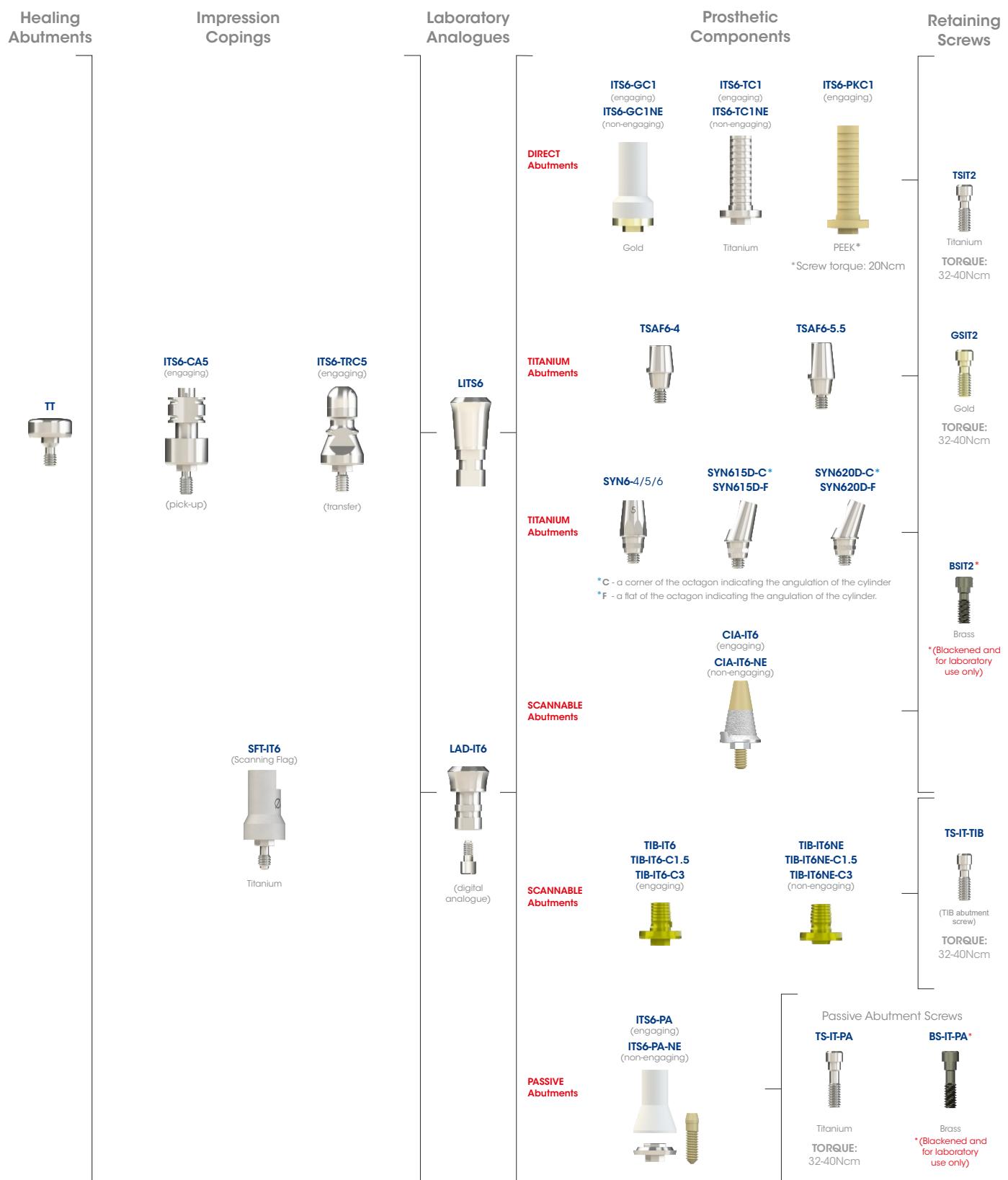


Healing Abutments

TT6



1 / 2 / 3 / 5 / 6 / 8 / 10 / 12
lengths



NOTE:

- Tighten passive abutment luting screw and digital lab analogue screw with 1.22/1.27 Universal driver.
- Refer to CAT-1189 for Equator Overdenture Abutments.

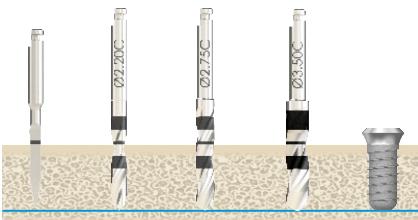
Site Preparation Sequence

Ø4.9mm Parallel Walled (ITC6-5)

(illustrations are for 10mm implants)

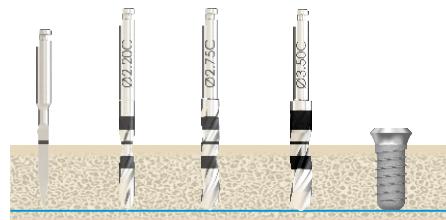
Soft Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø3.5mm



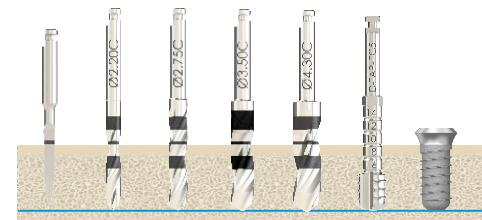
Medium Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø3.5mm



Dense Bone

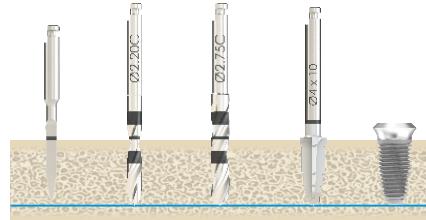
D-3SPADE
Ø2.2mm
Ø2.75mm
Ø3.5mm
Ø4.3mm
D-TAP-ITC5



Ø5.0mm Tapered (ITT6-5)

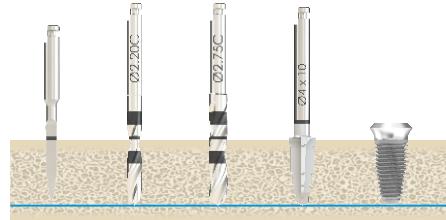
Soft Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm



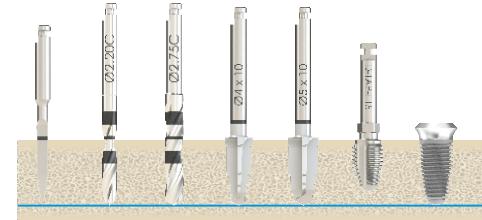
Medium Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm



Dense Bone

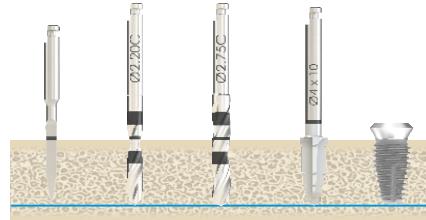
D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm
Ø5.0mm
D-TAP-ITT5



Ø6.0mm Tapered (ITT6)

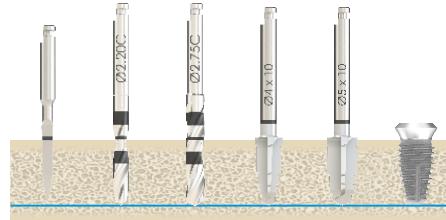
Soft Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm



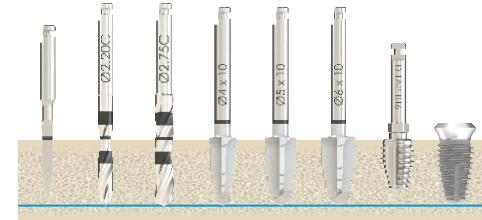
Medium Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm
Ø5.0mm



Dense Bone

D-3SPADE
Ø2.2mm
Ø2.75mm
Ø4.0mm
Ø5.0mm
Ø6.0mm
D-TAP-ITT6



NOTE: • Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.
• Refer to Page 34 for Insertion Tool Protocols.

INTERNAL OCTAGON

Standard interface

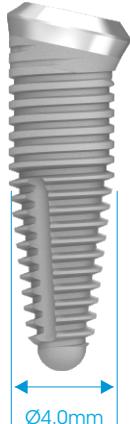
Co-Axis®

Ø4.0mm

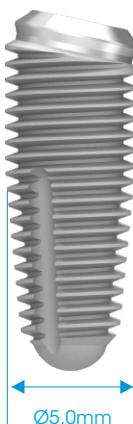
Ø5.0mm

Ø4.0mm / Ø5.0mm 12° Co-Axis® Implants (Tapered)

⚠ Restore with Ø4.8mm
Standard Interface Components



ITST12d-4xxF



ITST12d-5xxF

(where **xx** is implant length)

Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 33.

Implants pre-mounted with fixture mount (indicated with "F" in item code):
Packaged with TT1 Healing Abutment.

ITEM CODE	IMPLANT LENGTHS (in mm)
ITST12d-4	08F / 10F / 12F / 14F
ITST12d-5	08F / 10F / 12F / 14F



Surgical Components

Cover Screw

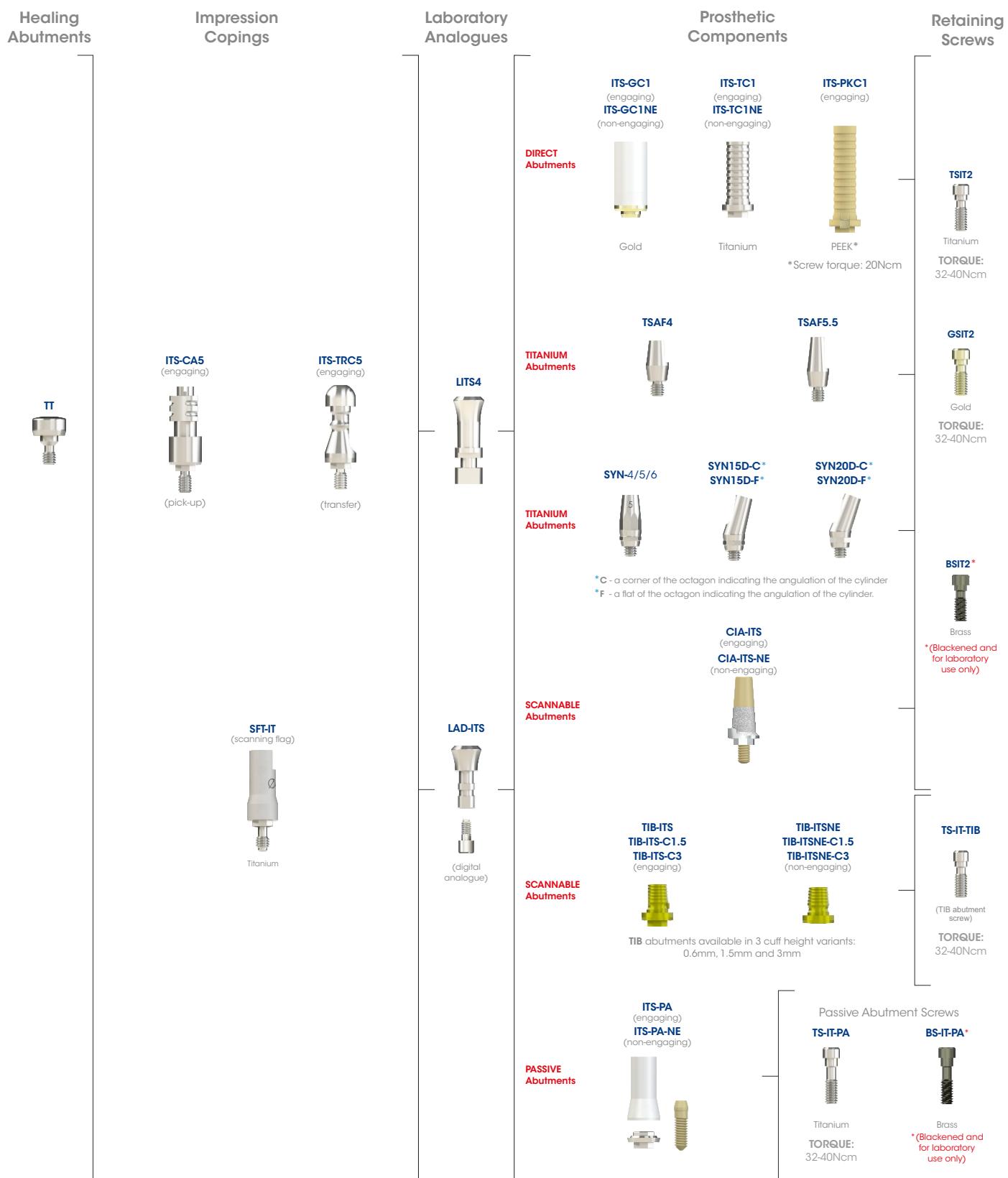
Healing Abutments

TT0

TT



1 / 2 / 3 / 5 / 6 / 8 / 10 / 12
lengths



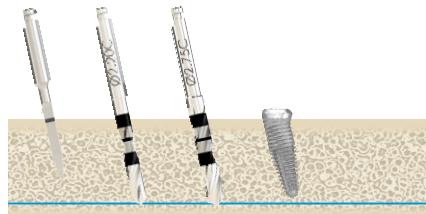
Site Preparation Sequence

Ø4.0mm Co-Axis® (ITST12d-4)

(illustrations are for 12mm implants)

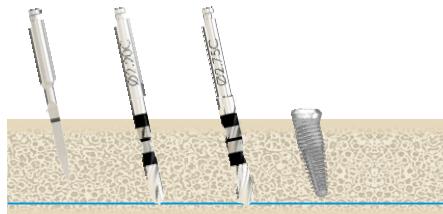
Soft Bone

D3spade
Ø2.2mm
Ø2.75mm



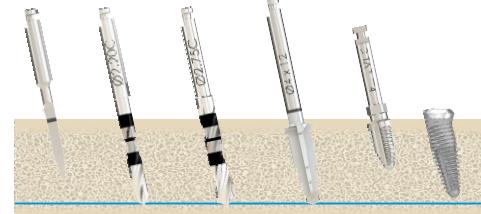
Medium Bone

D3spade
Ø2.2mm
Ø2.75mm



Dense Bone

D3spade
Ø2.2mm
Ø2.75mm
Ø4.0mm
D-TAP-IT4



Ø5.0mm Co-Axis® (ITST12d-5)

Soft Bone

D3spade
Ø2.2mm
Ø2.75mm
Ø4.0mm



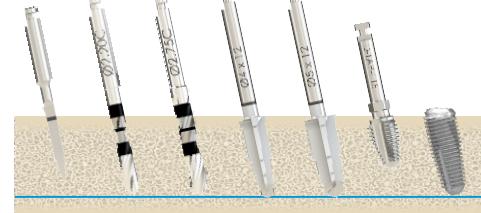
Medium Bone

D3spade
Ø2.2mm
Ø2.75mm
Ø4.0mm



Dense Bone

D3spade
Ø2.2mm
Ø2.75mm
Ø4.0mm
Ø5.0mm
D-TAP-IT5



NOTE: • Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.
• Refer to Page 34 for Insertion Tool Protocols.

INTERNAL OCTAGON

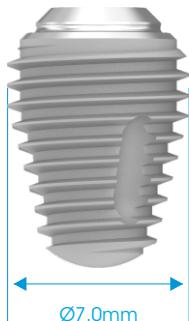
Standard interface

MAXIT7

Ø7.0mm

MAXIT Ø7.0mm (Tapered) Implants

⚠ Restore with Ø4.8mm
Standard Interface Components



MAXIT7xxF

(where **xx** is implant length)

Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 33.

Implants pre-mounted with fixture mount (indicated with "F" in item code):
Packaged with TT1 Healing Abutment.

ITEM CODE	IMPLANT LENGTHS (in mm)
MAXIT7-	7F / 9F / 11F



Surgical Components

Cover Screw

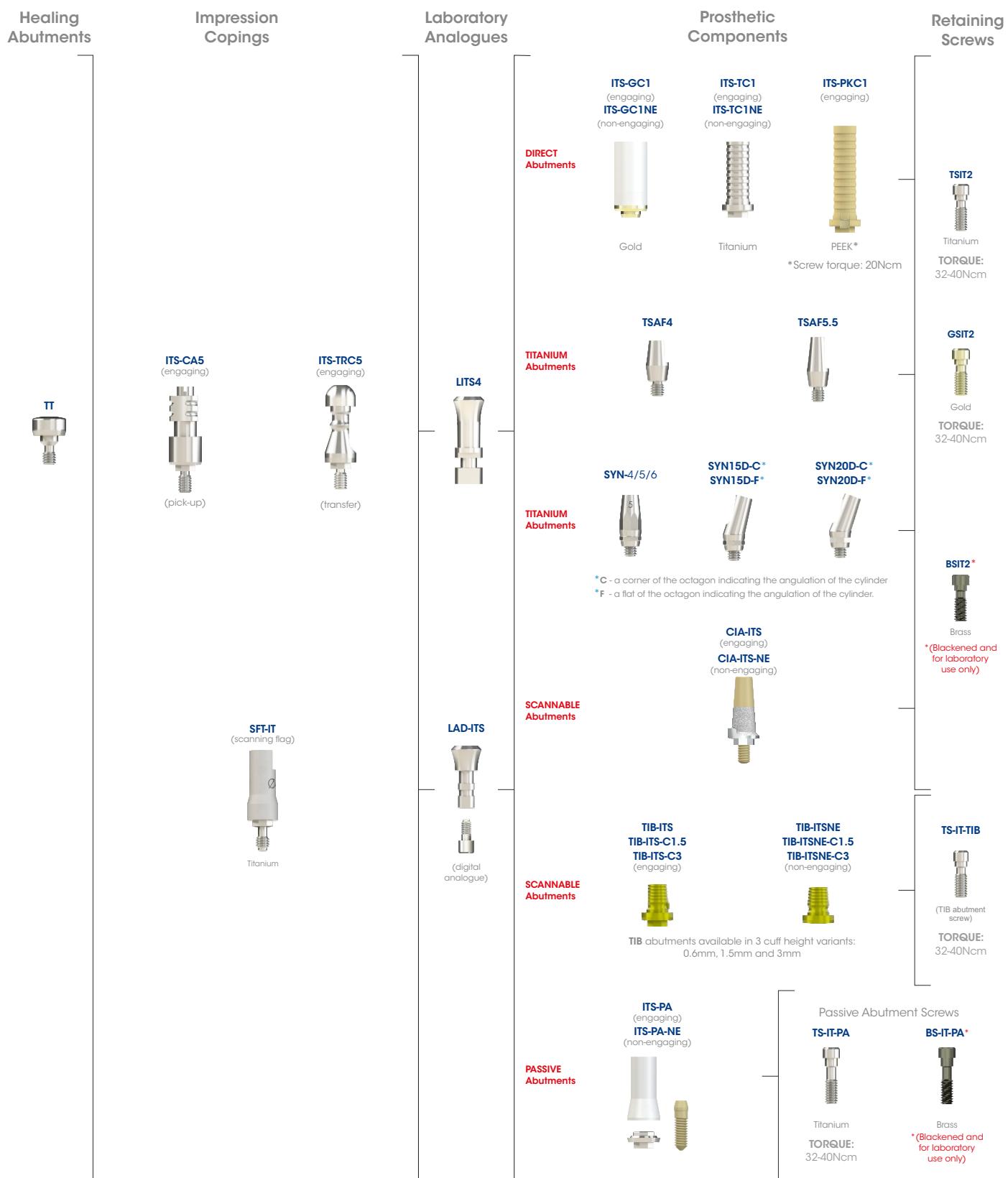
Healing Abutments

TT0

TT



1 / 2 / 3 / 5 / 6 / 8 / 10 / 12
lengths

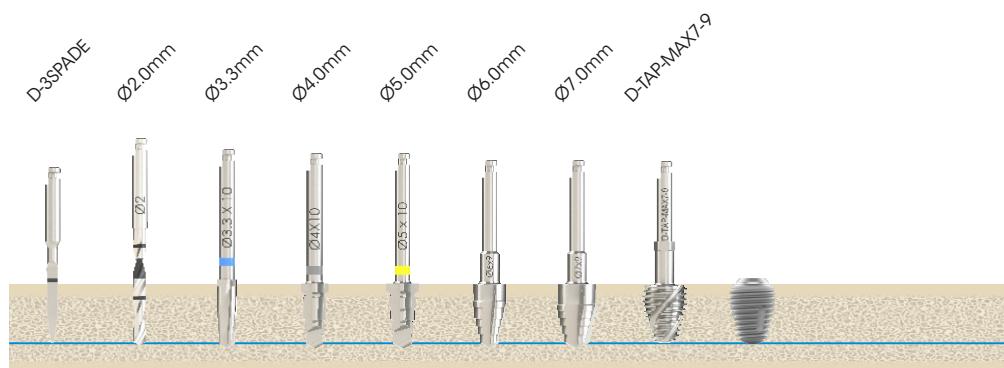
**NOTE:**

- Tighten passive abutment luting screw and digital lab analogue screw with 1.22/1.27 Universal driver.
- Refer to CAT-1189 for Equator Overdenture Abutments.

Site Preparation Sequence

Ø7.0mm Tapered (MAXIT7)

(Illustration is for 9mm implant)



NOTE: • Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.
• Refer to Page 34 for Insertion Tool Protocols.

INTERNAL OCTAGON

Wide interface

MAXIT8

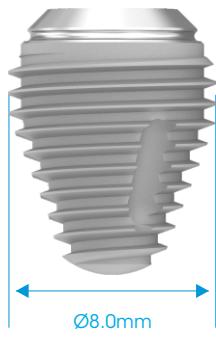
Ø8.0mm

MAXIT9

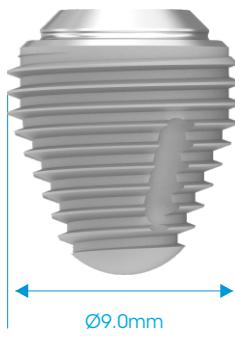
Ø9.0mm

MAXIT Ø8mm / Ø9mm Implants (Tapered)

⚠ Restore with Ø6.5mm
WIDE Interface Components



MAXIT8xxF



MAXIT9xxF

(where **xx** is implant length)

Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 33.

Implants pre-mounted with fixture mount (indicated with "F" in item code):
Packaged with TT1 Healing Abutment.

ITEM CODE	IMPLANT LENGTHS (in mm)
MAXIT8-	7F / 9F / 11F
MAXIT9-	7F / 9F / 11F



Surgical Components

Cover Screw

TT6-0

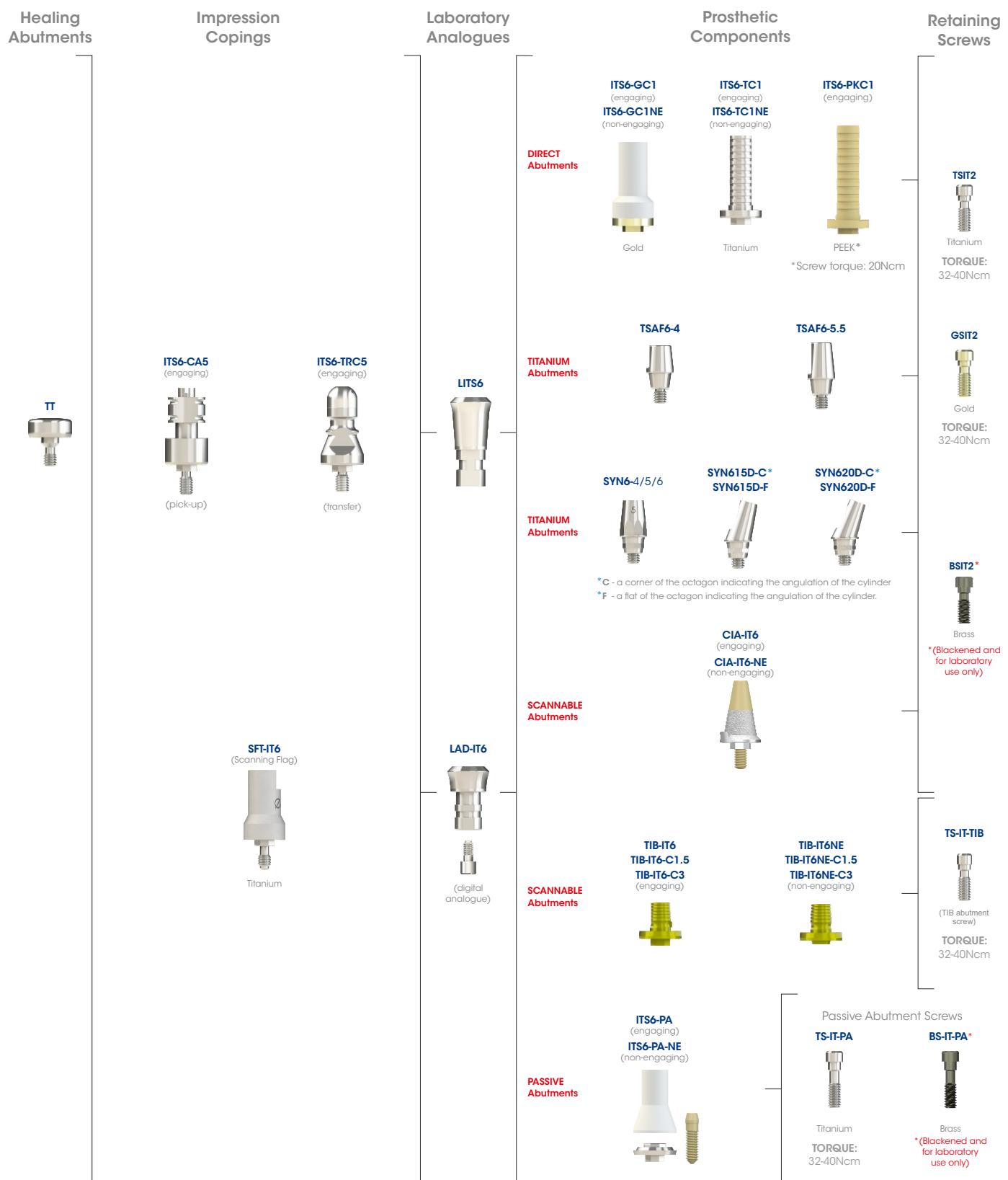


Healing Abutments

TT6



1 / 2 / 3 / 5 / 6 / 8 / 10 / 12
lengths



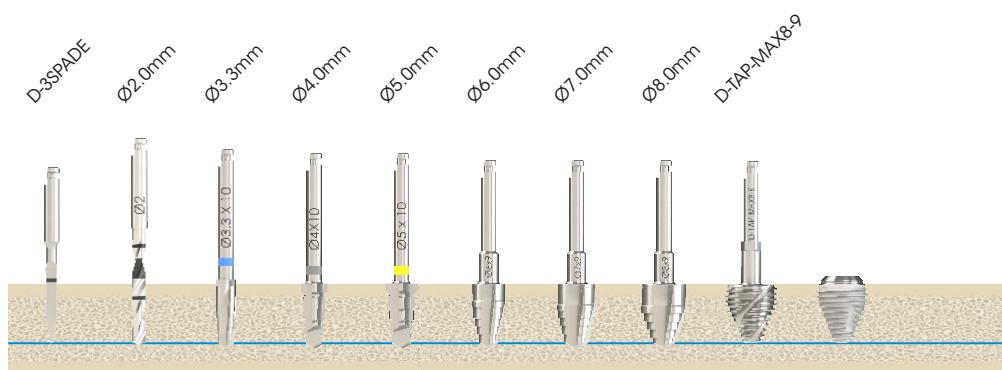
NOTE:

- Tighten passive abutment luting screw and digital lab analogue screw with 1.22/1.27 Universal driver.
- Refer to CAT-1189 for Equator Overdenture Abutments.

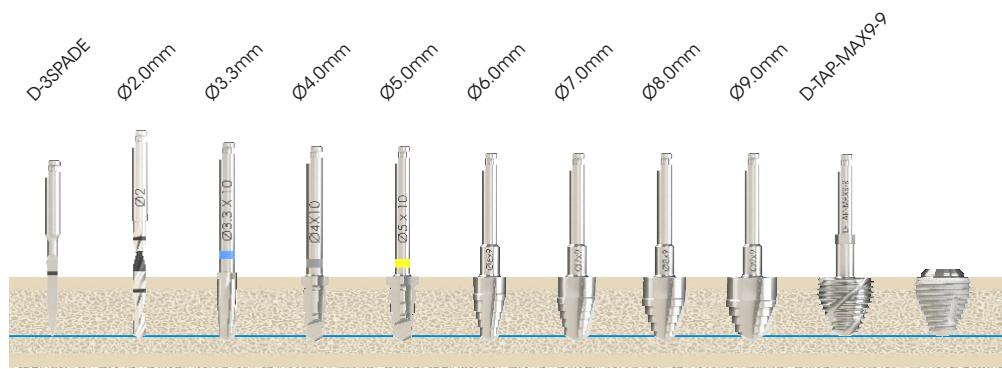
Site Preparation Sequence

Ø8.0mm Tapered (MAXIT8)

(Illustrations are for 9mm implants)



Ø9.0mm Tapered (MAXIT9)



NOTE: • Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.
• Refer to Page 34 for Insertion Tool Protocols.

TORQUE TABLE FOR SOUTHERN SCREWS

Torx Prosthetic screws

M2



TSIT2



GSIT2



BSIT2*

Brass

TORQUE:
32-40Ncm
Head Diameter:
2.70mm

Screw TORQUE with
PEEK Prosthetics:
20Ncm

Torx Passive Abutment screws

M2



TS-IT-PA



BS-IT-PA*

Brass

TORQUE:
32-40Ncm
Head Diameter:
2.70mm

Screw TORQUE with
PEEK Prosthetics:
20Ncm

TIB Abutment screw

M2



TS-IT-TIB

TORQUE:
32-40Ncm
Head Diameter:
2.40mm

Screw Head Connection

Torx



Hex

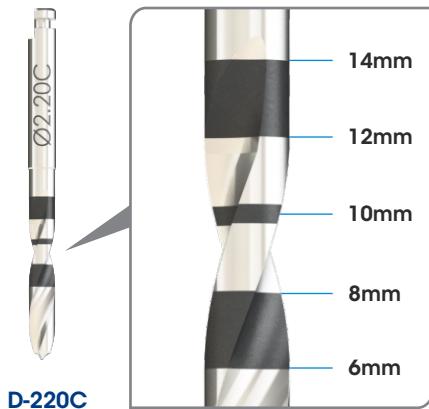


NOTE:

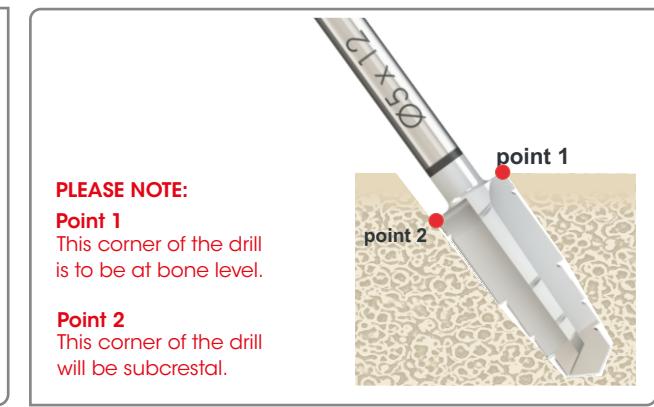
- Due to design revisions screw tips may be flat or rounded.
- Always ensure that the correct screw is used for the relevant implant and component.
- * Blackened and for laboratory use only.

DRILL INFORMATION

Twist Drill Markings



Final tapered drill position for Co-Axis® implants



TRY-IN ABUTMENTS

Ø4.8 Interface



TRY-SYN15D-C
TRY-SYN15D-F



TRY-SYN20D-C
TRY-SYN20D-F

Ø6.0 Interface



TRY-SYN615D-C
TRY-SYN615D-F

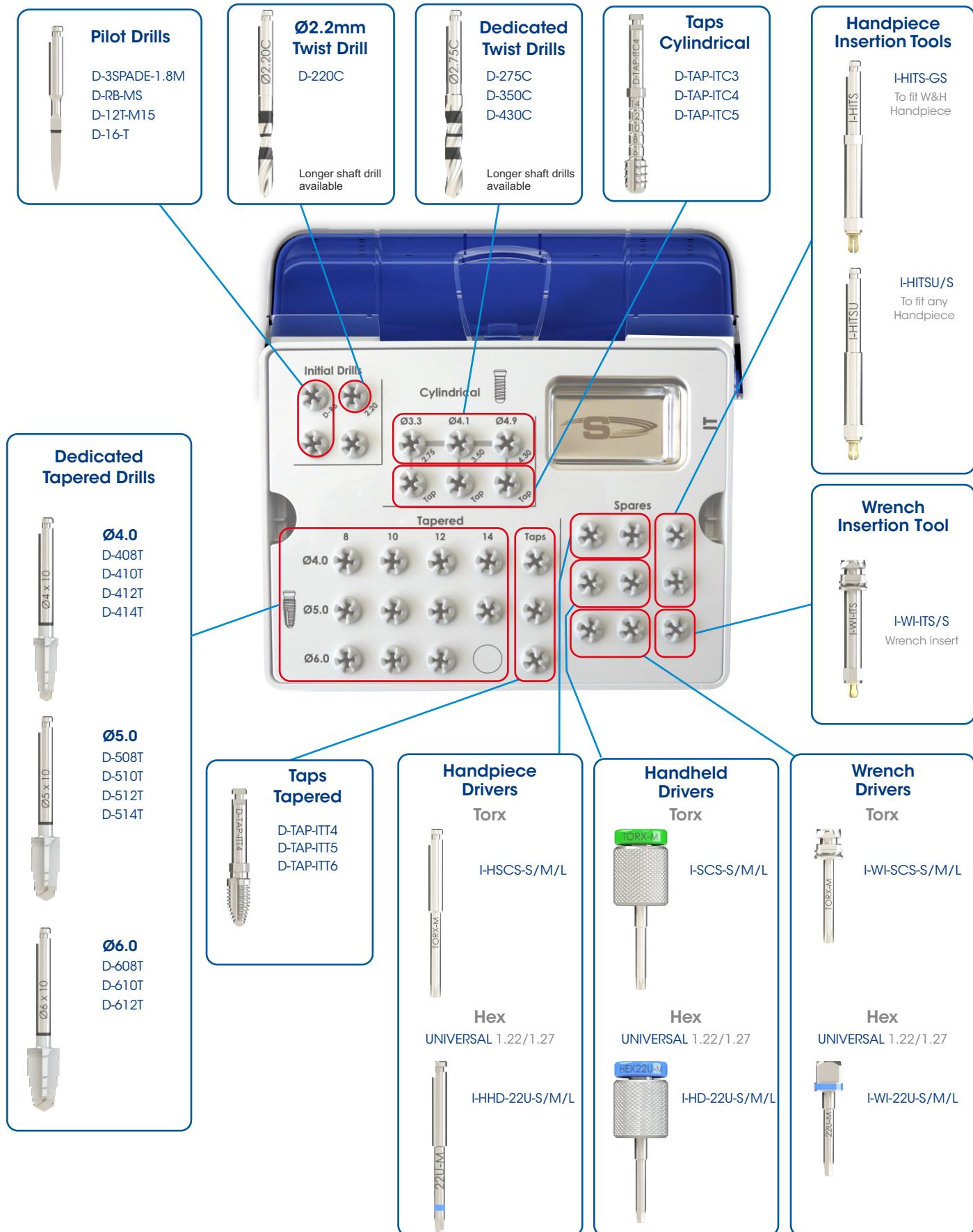


TRY-SYN620D-C
TRY-SYN620D-F

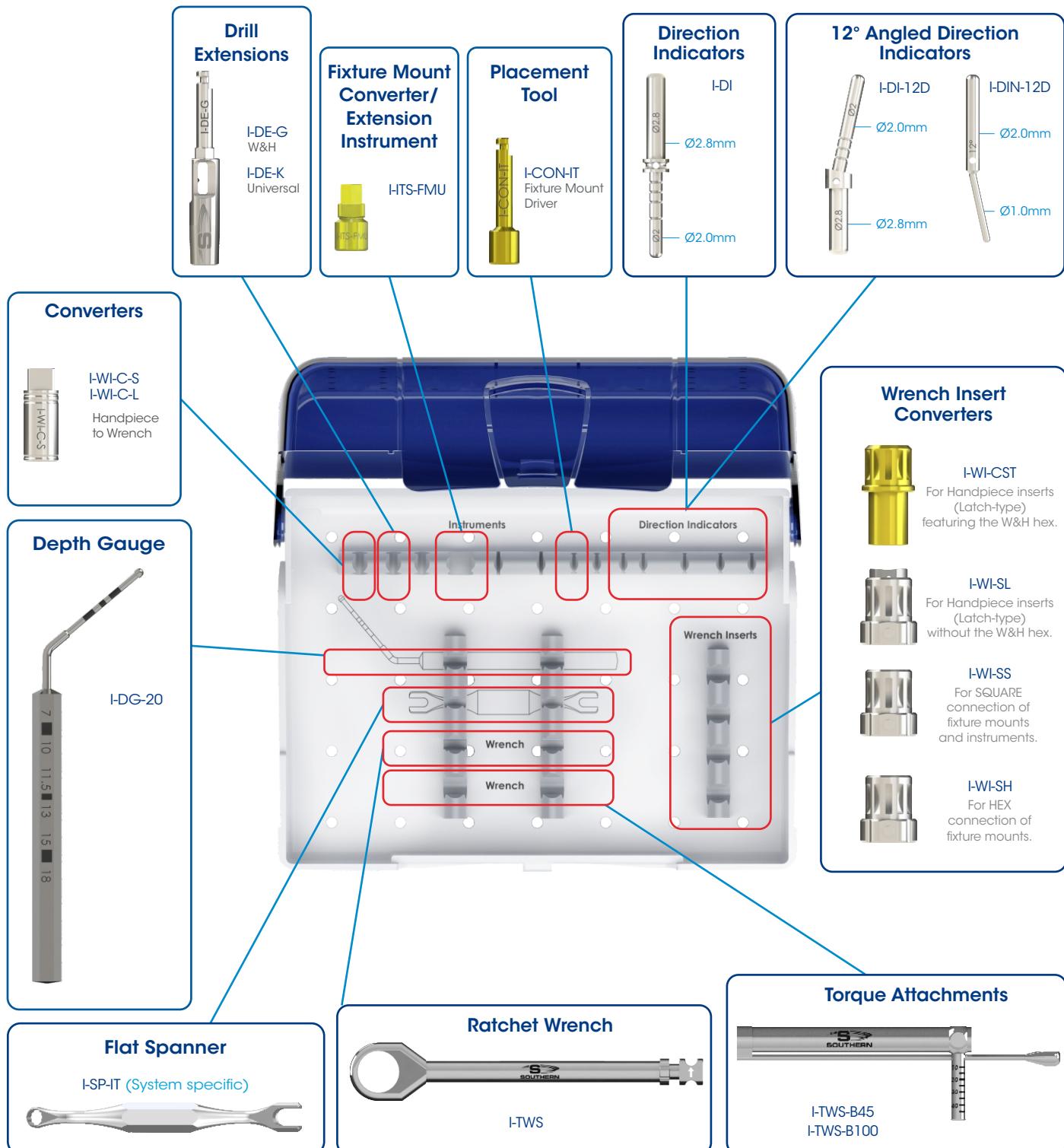
Octagon Try-In Kit

C - a corner of the octagon indicating the angulation of the cylinder.
F - a flat of the octagon indicating the angulation of the cylinder.

TOP TRAY



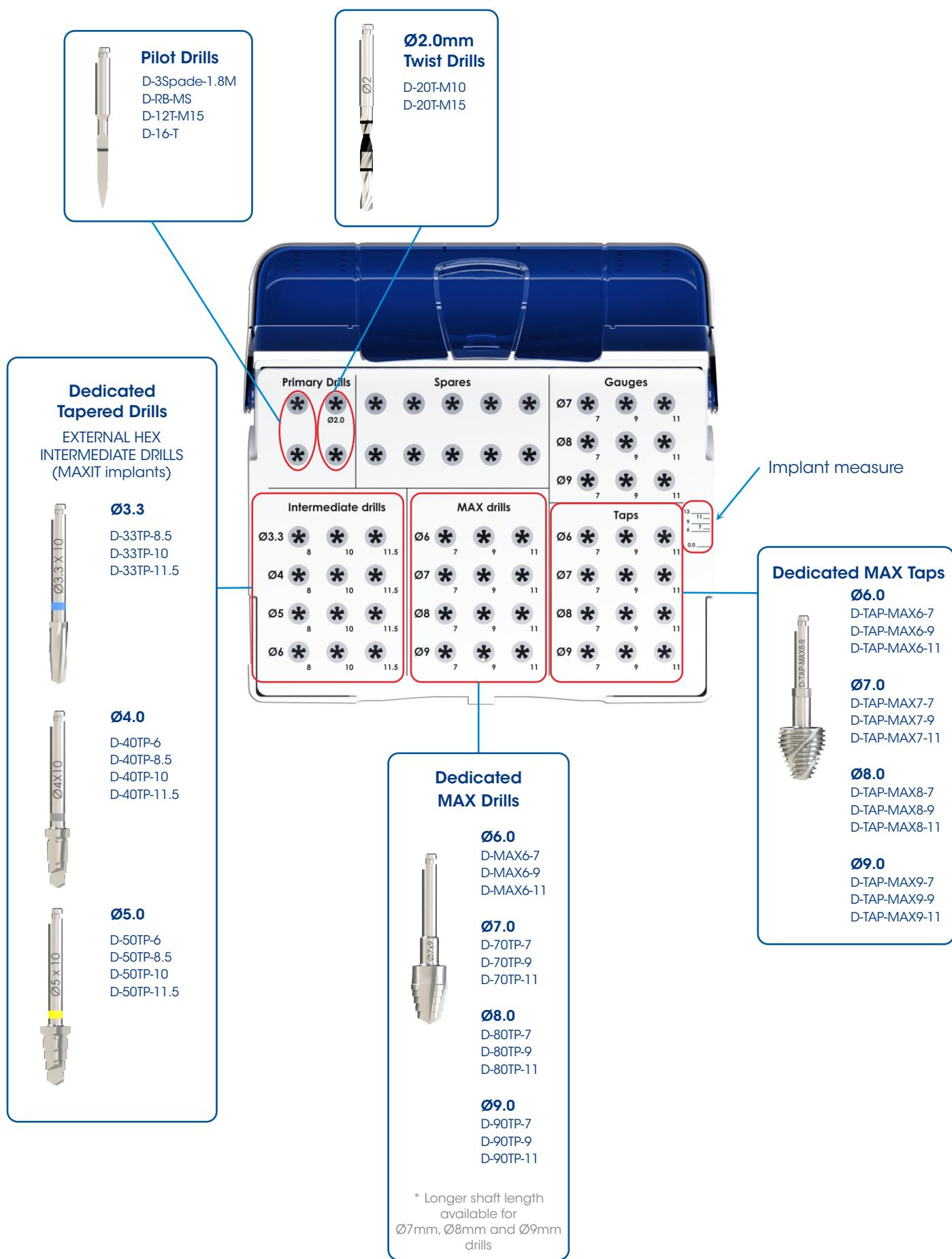
BOTTOM TRAY



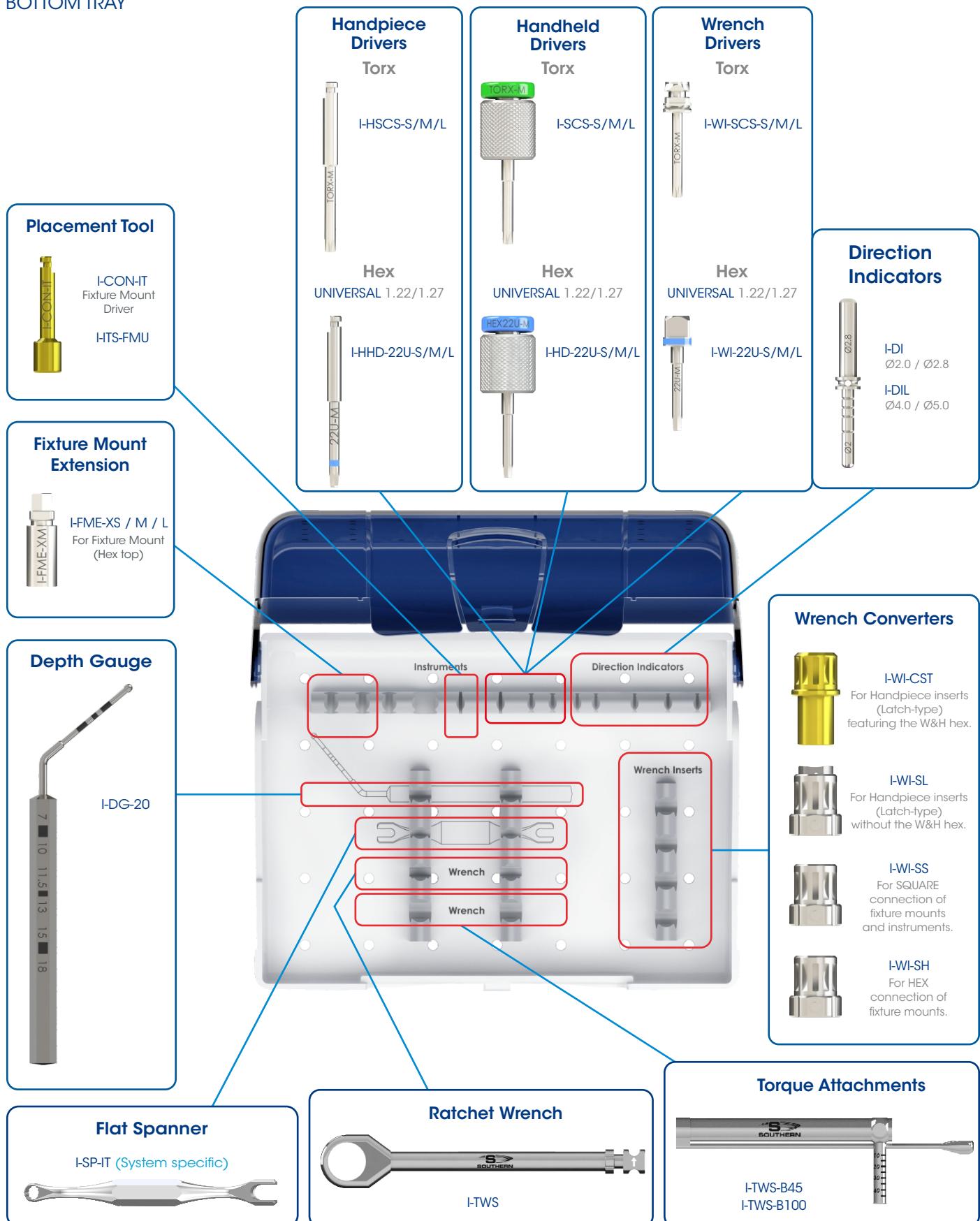
NOTE:

- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most Instruments 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.

TOP TRAY



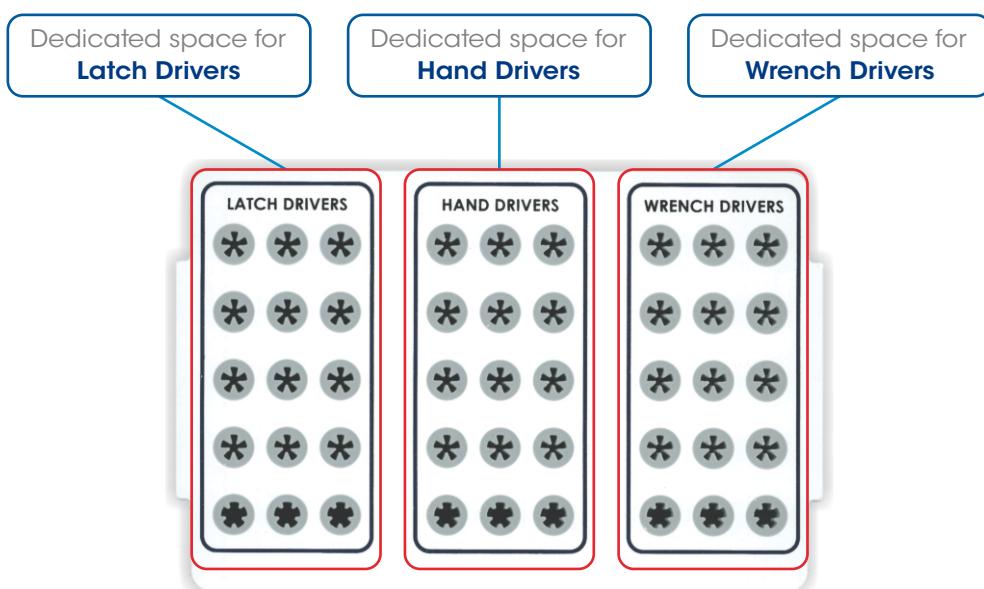
BOTTOM TRAY



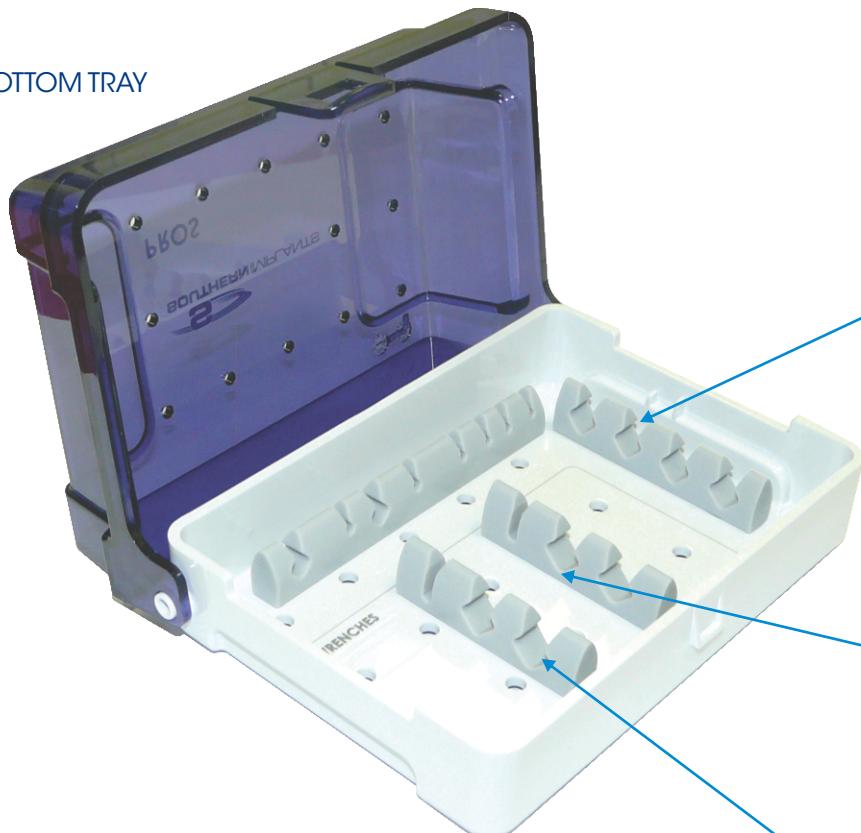
NOTE:

- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most Instruments 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.

TOP TRAY



BOTTOM TRAY



Wrench Insert Converters



Torque Attachments



Ratchet Wrench



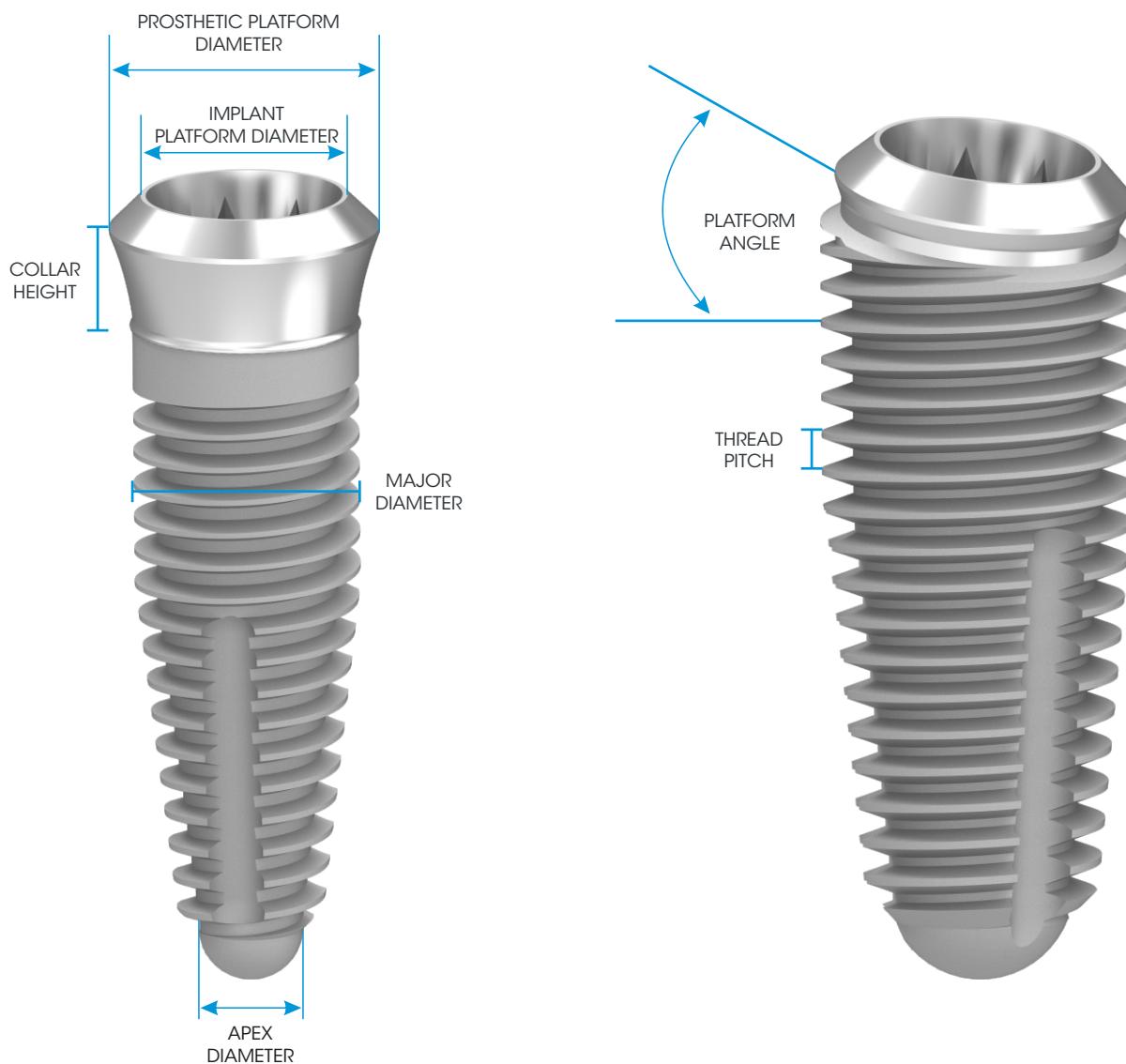
NOTE:

- 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 available in various lengths.

IMPLANT DIMENSIONS AND INFORMATION

RANGE	MAJOR DIAMETER	IMPLANT PLATFORM DIAMETER	PROSTHETIC DIAMETER	OCT WIDTH (across flats)	COLLAR HEIGHT	THREAD PITCH	APEX DIAMETER	CYLINDRICAL OR TAPERED	PLATFORM ANGLE	IMPLANT LENGTHS				
										6	8	10	12	14
ITC3 (F)	Ø3.3mm	3.3	3.67	4.8	3.11	2.36	1.0	2.75	C		✓	✓	✓	✓
ITC4 (F)	Ø4.1mm	4.1	3.67	4.8	3.11	2.36	1.25	3.5	C		✓	✓	✓	✓
ITT4 (F)	Ø4.0mm	4.0	3.67	4.8	3.11	2.36	0.6	1.85	T		✓	✓	✓	✓
ITC5F	Ø4.9mm	4.9	3.67	4.8	3.11	2.36	1.25	4.3	C		✓	✓	✓	✓
ITT5(F)	Ø5.0mm	5.0	3.67	4.8	3.11	2.36	0.6	3.0	T		✓	✓	✓	✓
ITC6-5F	Ø4.9mm	4.9	5.0	6.5	3.11	2.55	1.25	4.3	C		✓	✓	✓	✓
ITT6-5 (F)	Ø5.0mm	5.0	5.0	6.5	3.11	2.55	0.6	3.0	T		✓	✓	✓	✓
ITT6F	Ø6.0mm	5.7	5.0	6.5	3.11	2.55	0.8	4.5	T		✓	✓	✓	
ITST12D-4F	Ø4.0mm	4.0	3.67	4.8	3.11	1.365	0.6	1.85	T	12°	✓	✓	✓	✓
ITST12D-5F	Ø5.0mm	5.0	3.67	4.8	3.11	1.0	0.6	2.8	T	12°	✓	✓	✓	✓
											7	9	11	
MAXIT7F	Ø7.0mm	7.0	3.67	4.8	3.11	1.25	0.8	4.44	T		✓	✓	✓	
MAXIT8F	Ø8.0mm	8.0	5.0	6.5	3.11	1.28	0.8	3.94	T		✓	✓	✓	
MAXIT9F	Ø9.0mm	9.0	5.0	6.5	3.11	1.43	0.8	4.94	T		✓	✓	✓	

All dimensions in this catalogue are in mm, unless otherwise specified.



Not all products are cleared for sale in all countries.

Implant placement with Placement Tools

Pick-up and Placement Procedure

The tool I-HITS is used to pick-up the implant from the packaging.

The octagons on the I-HITS and those of the implant might not line-up and this may result in them not engaging. The placement tool will, however pick-up the implant (Fig. 1).

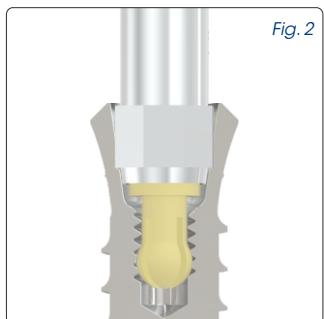
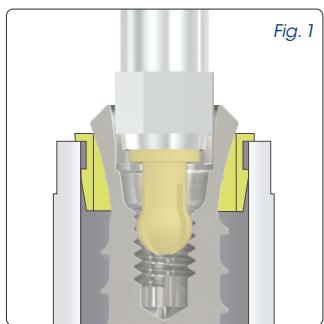
The implant is placed in the prepared site and inserted at 10 to 15 RPM, while applying downwards pressure.

Octagons should engage when implant starts to turn into bone, if not engaged at pick-up. Before maximum torque can be applied, the octagon on the placement tool should be fully engaged and flush with the implant (Fig. 2).

If they do not engage:

- Change the direction of the rotation.
- Rotate the implant very slightly (half a turn).
- Change the direction again. Only when fully engaged, start screwing the implant into bone.

NOTE: The PEEK bits (I-PBIT-2) should be replaced on a regular basis (items sold separately). General wear & tear are to be expected with regular use.



Implant placement for Implants with Fixture Mounts

These implants are packaged with a propriety design fixture mount that is compatible with a selection of surgical insertion tools and wrenches.

Octagon

Suitable for use with:

- I-CON-IT
- I-HTS-FMU

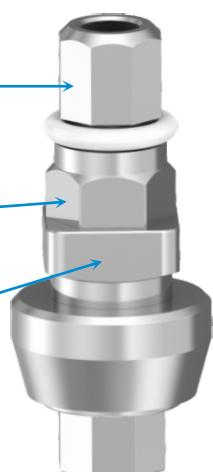
Hex

To hold fixture mount while loosening screw (I-SP-IT).

Southern Square

Suitable for use with:

- Ratchet/Torque Wrench
- I-SP-IT (Fixture mount Spanner)

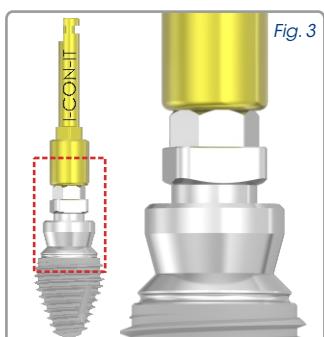


I-CON-IT

I-HTS-FMU

I-RATCHET-2

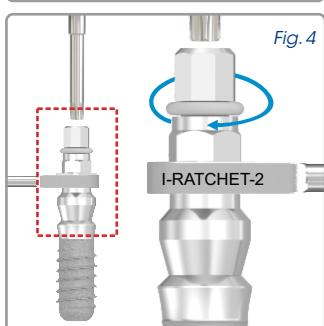
I-SP-IT



Placement with Southern Handpiece Driver (I-CON-IT)

The I-CON-IT is used to pick up the implants from the product packaging (Fig. 3).

Use the I-CON-IT to drive the implant into the prepared site. Apply downward pressure, using an implant motor and handpiece, with a speed of 10-15 RPM.



Placement with Southern Wrench

After completing the insertion of the fixture into the prepared site using the motor unit, a cylinder wrench (I-RATCHET-2) can be used to complete the placement manually (Fig.4).

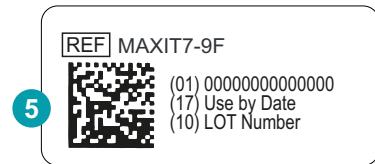
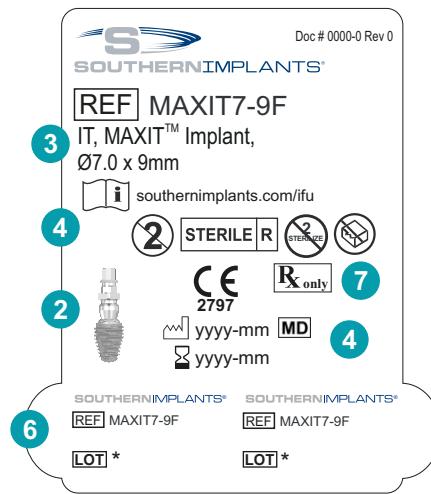
After placement is complete, loosen the fixture mount screw with an I-SCS-S/M/L torx driver and remove the fixture mount.

EXPLANATION OF SYMBOLS

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  STERILE R Sterilization using Irradiation
- 5  EC REP European Representative
- 6  REF Catalogue number
- 7  LOT Batch Code
- 8  Do not Resterilize
- 9  Consult instruction for use
- 10  Do not reuse
- 11  CE CE mark and notified body number
- 12  Use by Date
- 13  Date of manufacture
- 14  Do not use if package is damaged
- 15  MD Identifies the product as a medical device
- 16  2D Bar coding Contains the GTIN, Use by Date and LOT Number
- 17  6 Patient sticker for documentation purposes (to be used by health care provider on patient file)
- 18  7 RX 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

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

For more information, please contact your
Southern Implants Representative or visit southernimplants.com



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