

Innovative Treatment Solutions

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.

 $My \, since re\, thanks\, to\, all\, specialists, dentists\, and\, technicians\, who\, put\, their\, trust\, in\, our\, company.$

Graham Blackbeard

Managing Director, Southern Implants

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For more information scan the below



or visit

SOUTHERNIMPLANTS.COM

- 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

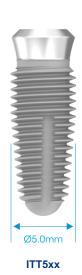












(where xx is implant length)

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 33.

Implants supplied without fixture mount:

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

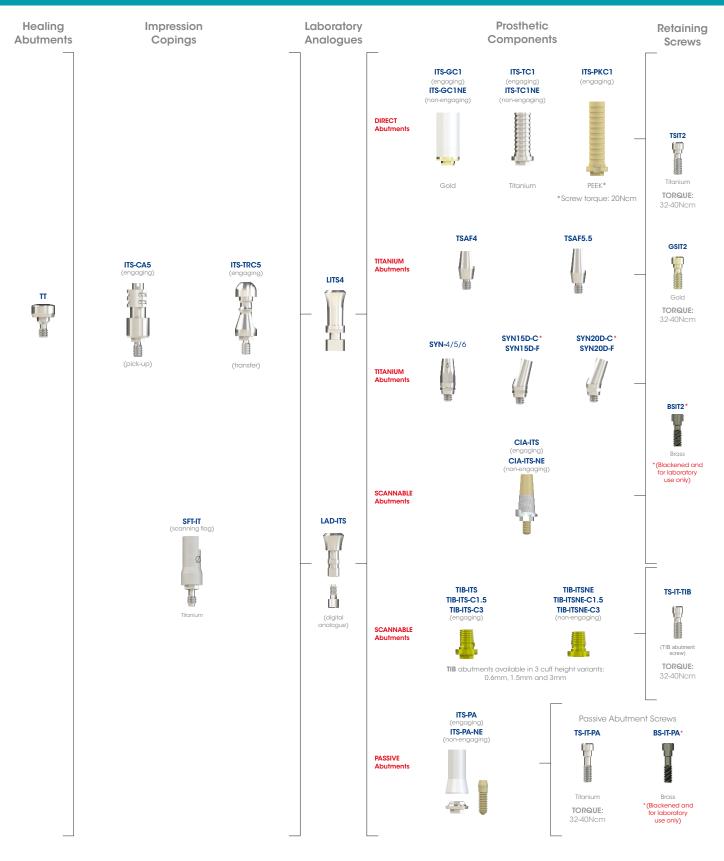


Surgical Components

Cover Screw	Healing Abutments
тто	π

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

Prosthetic Flowchart Ø4.8 Interface



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

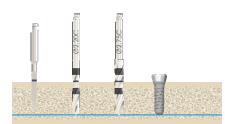
Site Preparation Sequence

Ø3.3mm Parallel Walled (ITC3)

(illustration is for 10mm implants)

Soft Bone

03580th 022mm 0275mm



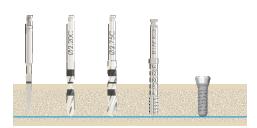
Medium Bone

Displace Original Original



Dense Bone

Daspate Office Office Office

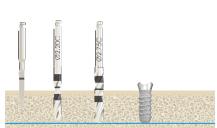


Ø4.1mm Parallel Walled (ITC4)

(illustrations are for 10mm implants)

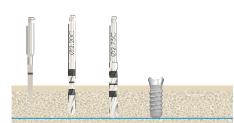
Soft Bone

Ozstrot Ozinn



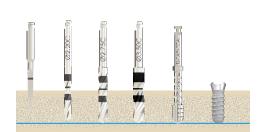
Medium Bone

Dagarate Darun Orland



Dense Bone

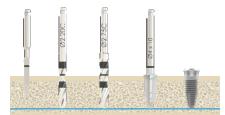
Stark O'Stark O'Stark O'Stark



Ø4.1mm Tapered (ITT4)

Soft Bone

D3RATE P. 2 Price D2 John



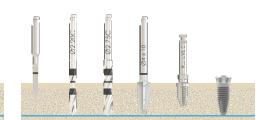
Medium Bone

33840ft 05.75tm 02.75tm



Dense Bone

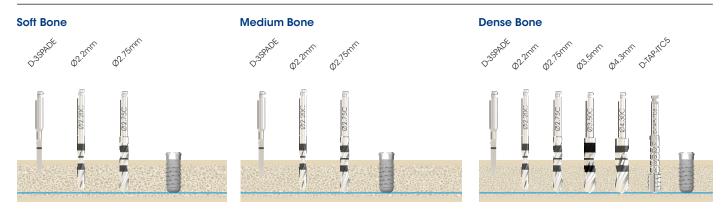
ERACE STATE THAT OTHER



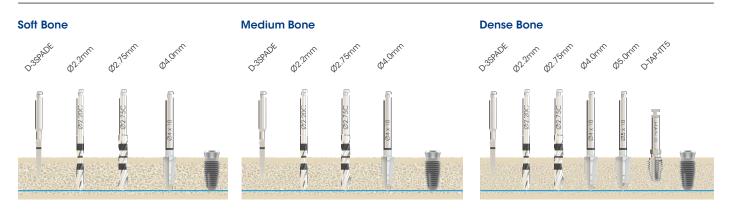
Site Preparation Sequence

Ø4.9mm Parallel Walled (ITC5)

(illustrations are for 10mm implants)



Ø5.0mm Tapered (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.

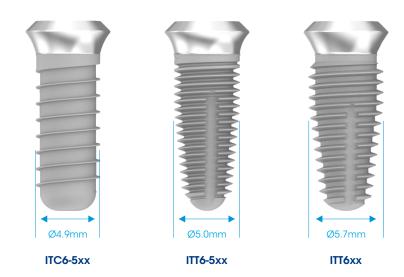
INTERNAL OCTAGON

Wide interface

Ø5.0mm

Ø6.0mm





(where xx is implant length)

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 33.

Implants supplied without fixture mount:

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	
------	-----------------	--

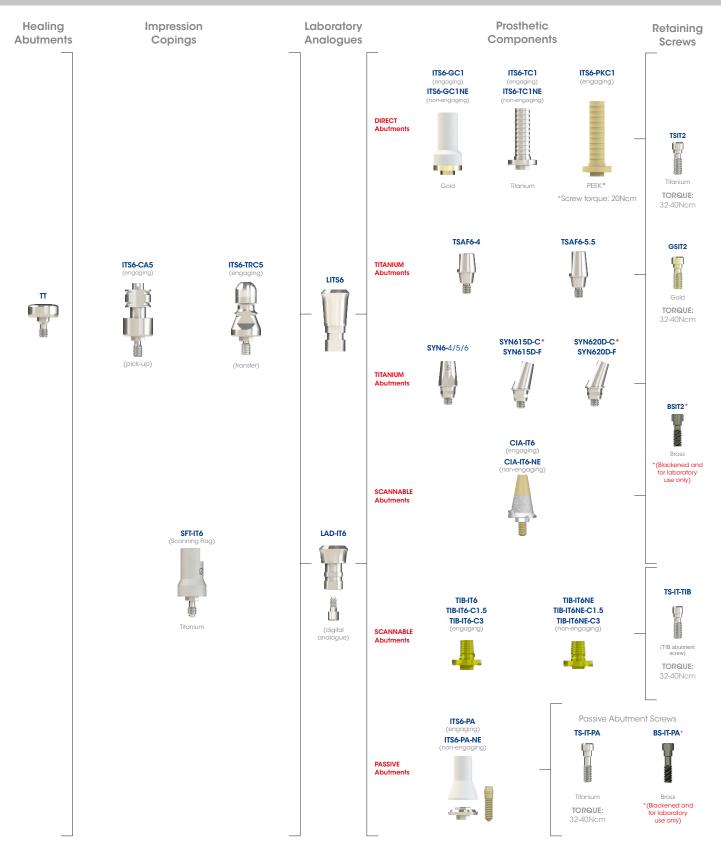


Surgical Components

Cover Screw	Healing Abutments		
TT6-0	ТТ6		
	1/2/3/5/6/8/10/12		

lengths

Prosthetic Flowchart Ø6.5 Interface

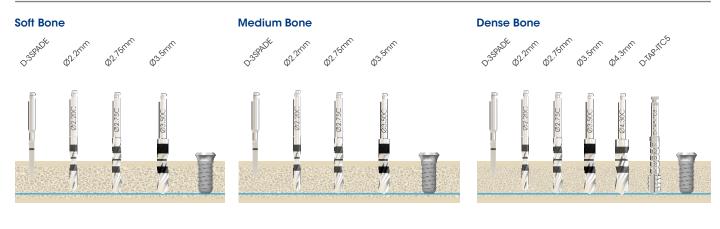


- Tighten luting screw and digital lab analogue screw with 1.22/1.27 Universal driver
- Refer to CAT-1189 for Equator Overdenture Abutments.

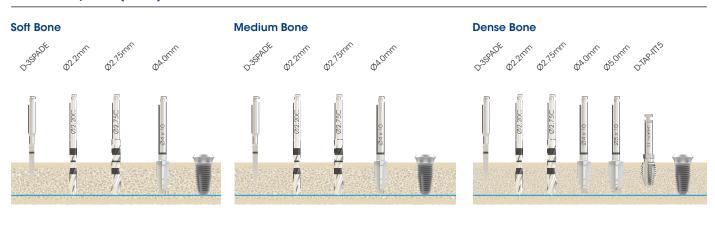
Site Preparation Sequence

Ø4.9mm Parallel Walled (ITC6-5)

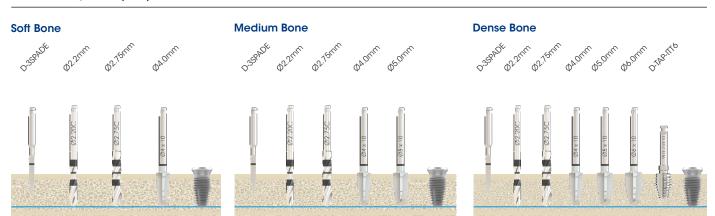
(illustrations are for 10mm implants)



Ø5.0mm Tapered (ITT6-5)



Ø6.0mm Tapered (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.

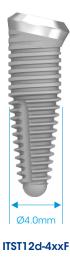
INTERNAL OCTAGON

Standard interface

Co-Axis®

Ø4.0mm

Ø5.0mm





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.

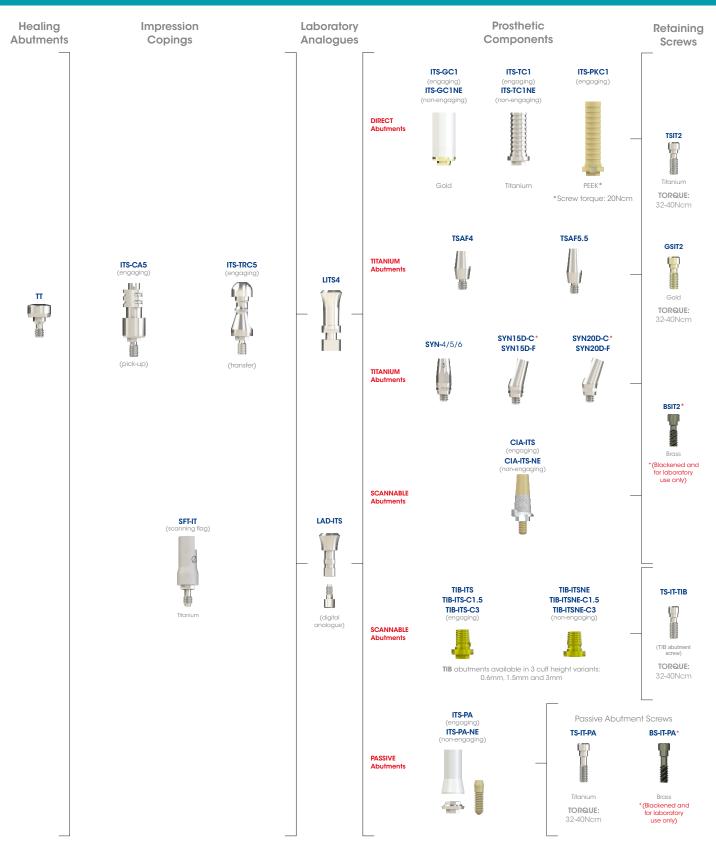
ITEM CODE	IMPLANT LENGTHS (in mm)
ITST12d-4	08F / 10F / 12F / 14F
ITST12d-5	08F / 10F / 12F / 14F



Surgical Components

Cover Screw	Healing Abutments	
TTO	π	
	1/2/3/5/6/8/10/12	

1 / 2 / 3 / 5 / 6 / 8 / 10 / 12 lengths Prosthetic Flowchart Ø4.8 Interface



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

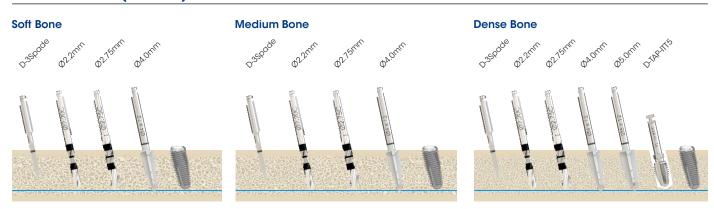
Site Preparation Sequence

Ø4.0mm Co-Axis® (ITST12d-4)

(illustrations are for 12mm implants)

Soft Bone Medium Bone Dense Bone Lastade of Arter of Tarrer of Ta

Ø5.0mm Co-Axis® (ITST12d-5)



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



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.

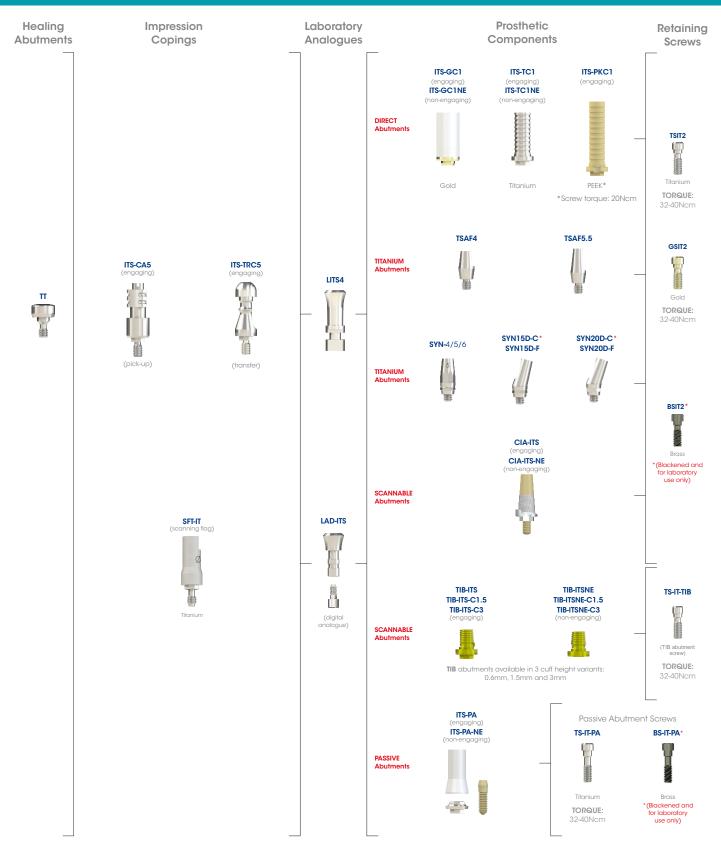
MAXIT7-	7F / QF / 11F
ITEM CODE	IMPLANT LENGTHS (in mm)



Surgical Components

Cover Screw	Healing Abutments	
TTO	π	
	1 / 2 / 3 / 5 / 6 / 8 / 10 / 12 lengths	

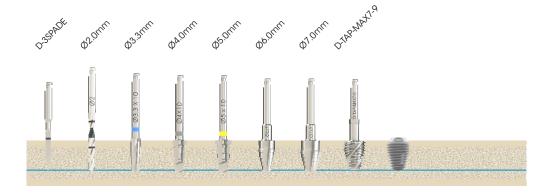
Prosthetic Flowchart Ø4.8 Interface



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

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

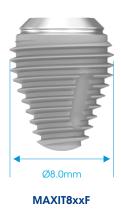
MAXIT8

Ø8.0mm

MAXIT9

Ø9.0mm







(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.

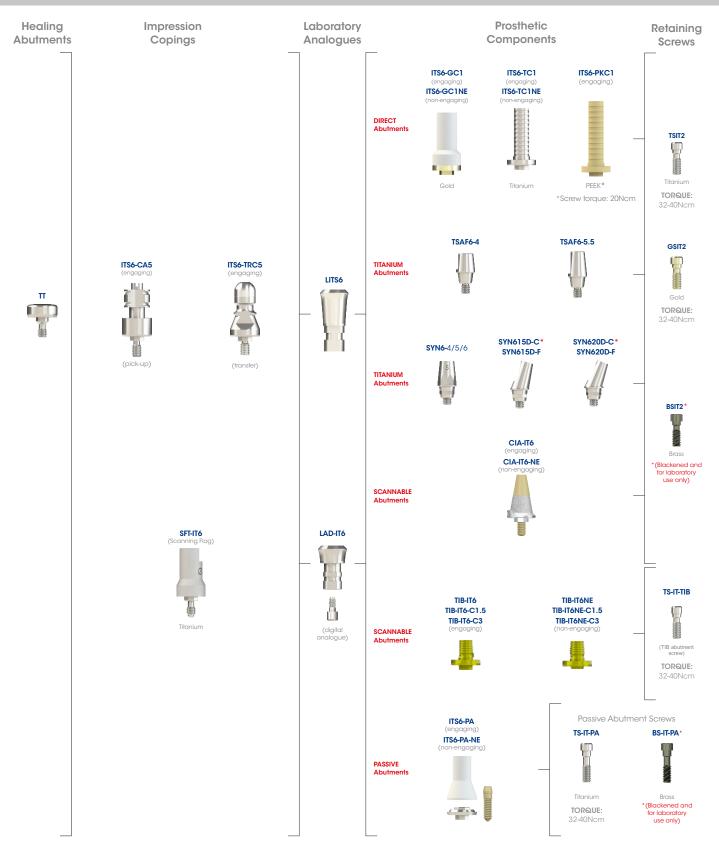
ITEM CODE	IMPLANT LENGTHS (in mm)
MAXIT8-	7F / 9F / 11F
MAXIT9-	7F / 9F / 11F



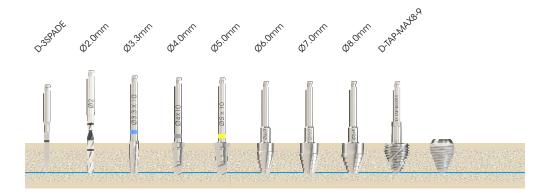
Surgical Components

Cover Screw	Healing Abutments	
TT6-0	тт6	
	1/2/3/5/6/8/10/12	

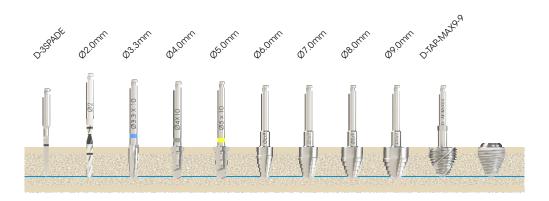
1 / 2 / 3 / 5 / 6 / 8 / 10 / 12 lengths Prosthetic Flowchart Ø6.5 Interface



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



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

TSIT2 GSIT2 BSIT2*

TORQUE: 32-40Ncm Head Diameter: 2.70mm

Screw TORQUE with PEEK Prosthetics: 20Ncm

Torx Passive Abutment screws



TORQUE: 32-40Ncm Head Diameter: 2.70mm

Screw TORQUE with PEEK Prosthetics: 20Ncm

TIB Abutment screw



TS-IT-TIB

Screw Head Connection



2.40mm



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.

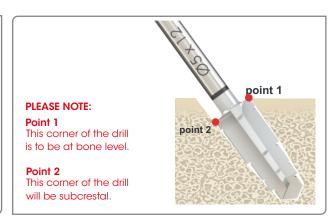
DRILL INFORMATION

Twist Drill Markings





Final tapered drill position for Co-Axis® implants



TRY-IN ABUTMENTS Octagon Try-In Kit

Ø4.8 Interface







TRY-SYN20D-C

Ø6.0 Interface



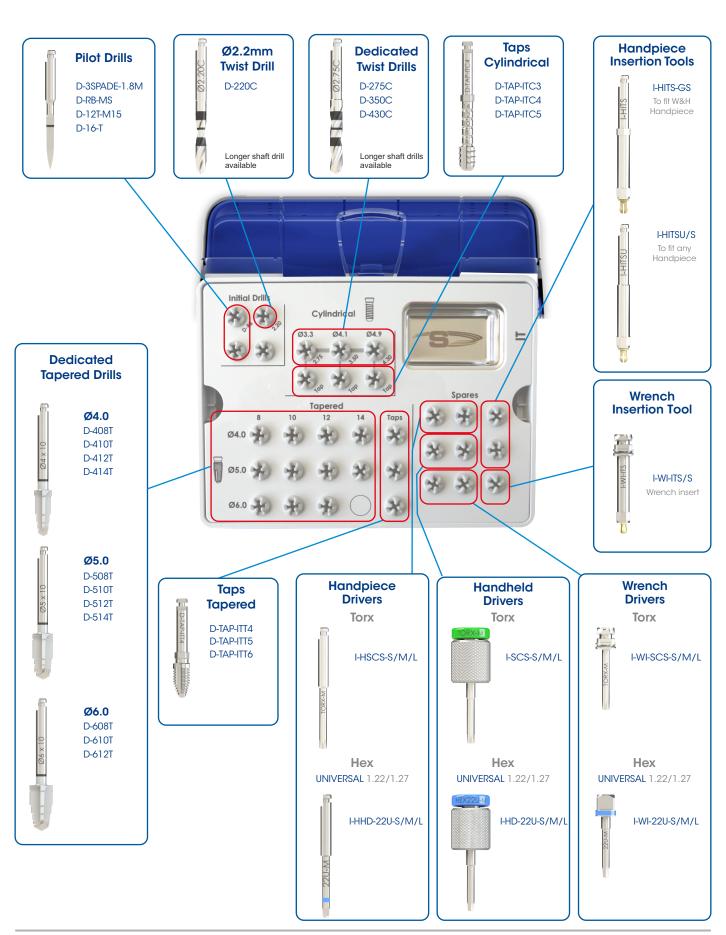




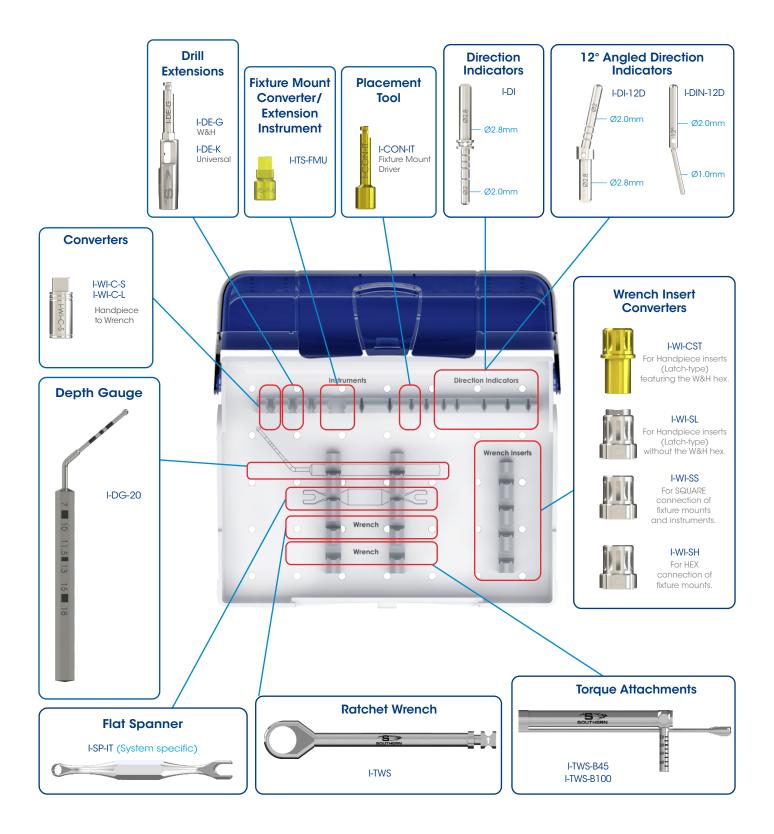
TRY-SYN620D-C TRY-SYN620D-F

- **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

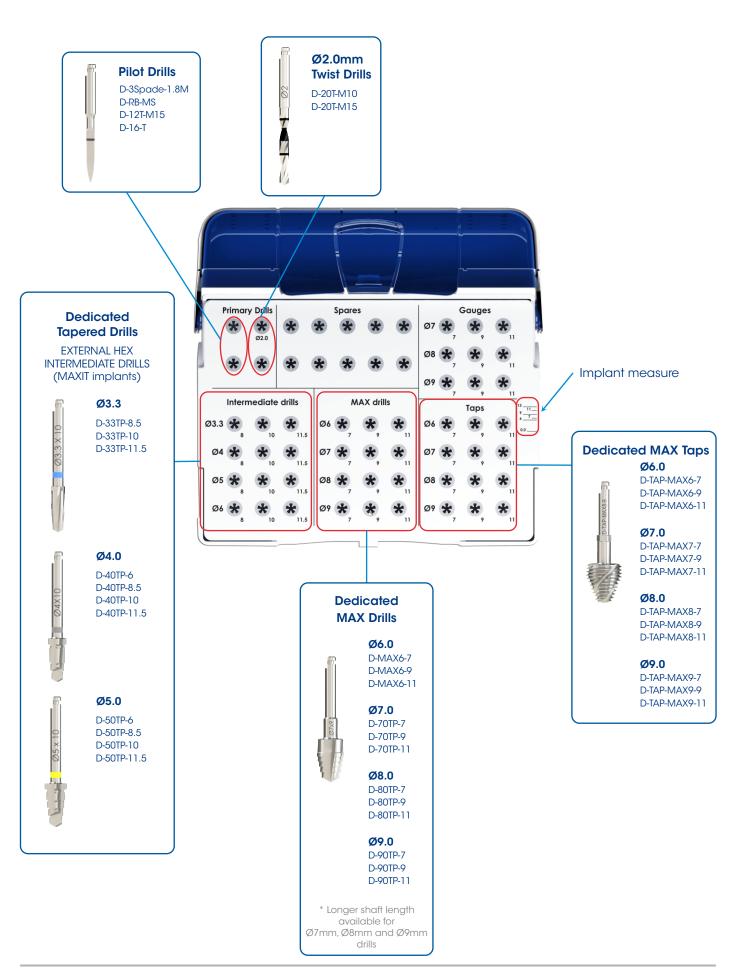


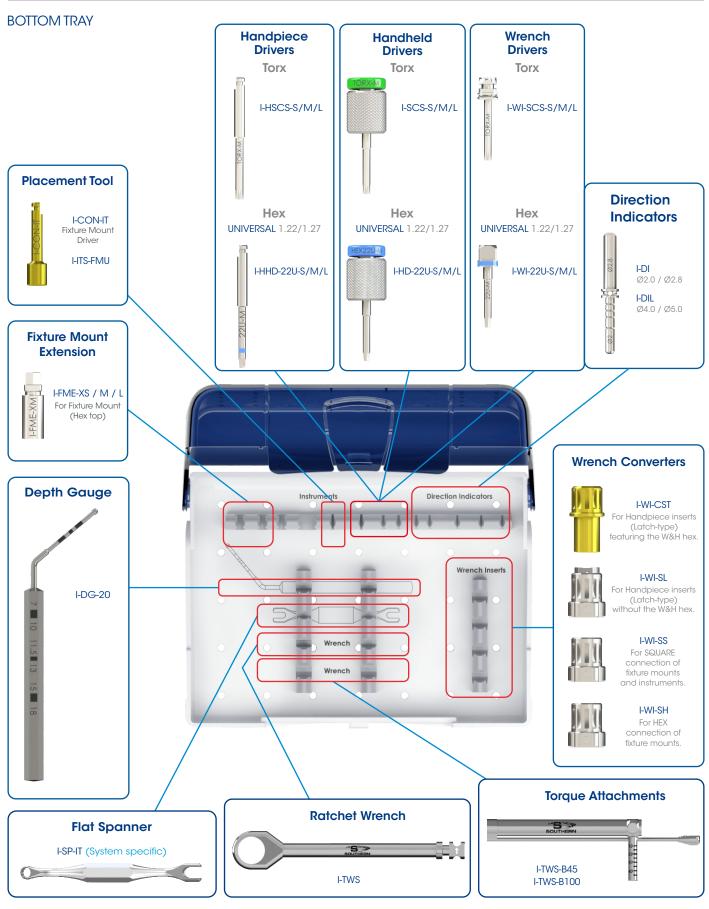
BOTTOM TRAY



- 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.

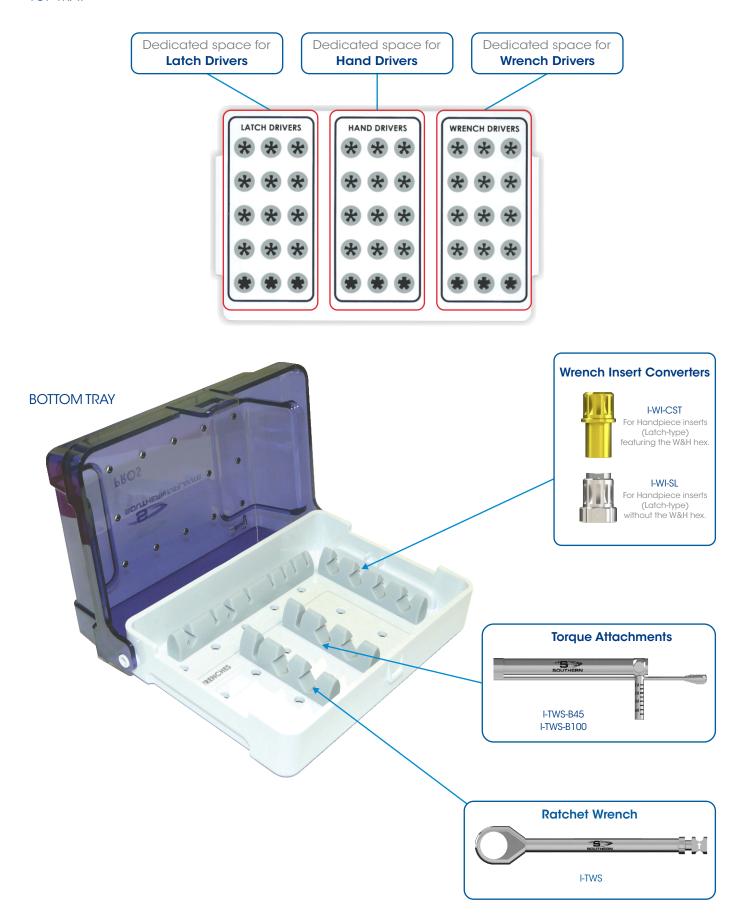
TOP TRAY





- 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

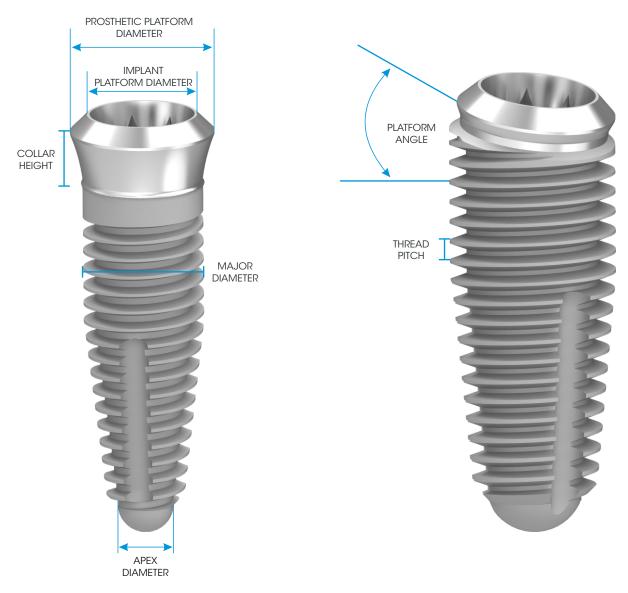


- This instrument tray is to be customised by the user to be suitable for use with the preferred implant system and its surgical or prosthetic items.
- Most instruments available in various lengths.

IMPLANT DIMENSIONS AND INFORMATION

RANGE		MAJOR DIAMETER IMPLANT PLATFORM DIAMETER		PROSTHETIC DIAMETER	OCT WIDTH (across flats)	COLLAR	THREAD	APEX DIAMETER	Cylindrical or Tapered	PLATFORM ANGLE	IMPLANT LENGTHS					
		MA	IMPI PLATI DIAN	PROST DIAN	OCT (acros	E CO	TH	AP	Cylin or Tap	PLATE	6	8	10	12	14	
	ITC3 (F)	Ø3.3mm	3.3	3.67	4.8	3.11	2.36	1.0	2.75	С		√	√	√	√	√
	ITC4 (F)	Ø4.1mm	4.1	3.67	4.8	3.11	2.36	1.25	3.5	С		√	√	√	√	√
	ITT4 (F)	Ø4.0mm	4.0	3.67	4.8	3.11	2.36	0.6	1.85	T				√	√	
	ITC5 (F)	Ø4.9mm	4.9	3.67	4.8	3.11	2.36	1.25	4.3	С				√	√	√
	ITT5(F)	Ø5.0mm	5.0	3.67	4.8	3.11	2.36	0.6	3.0	T				√	√	√
	ITC6-5 (F)	Ø4.9mm	4.9	5.0	6.5	3.11	2.55	1.25	4.3	С				√	√	
	ITT6-5	Ø5.0mm	5.0	5.0	6.5	3.11	2.55	0.6	3.0	T				√	√	
	ITT6 (F)	Ø6.0mm	5.7	5.0	6.5	3.11	2.55	0.8	4.5	T				√	√	
	ITST4 (F)	Ø4.0mm	4.0	3.67	4.8	3.11	1.365	0.6	1.85	T	12°		√	√	√	√
	ITT5 (F)	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).

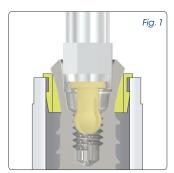
The Implant is placed in the prepared site and inserted at 10 to 15 RPM, while applying downwards pressure.

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:

- a. Change the direction of the rotation.
- b. Rotate the implant very slightly (half a turn).
- c. 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.



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

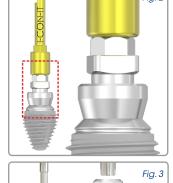
The I-CON-IT is used to pick up the implants from the product packaging (Fig. 2).

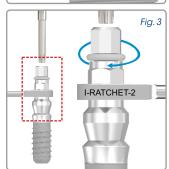
Use the I-CON-IT to drive the implant into the prepared site. Apply downward pressure, using an implant motor and handpiece, with a speed of 10-15 RPM.



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. 3).

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





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 STERILER Sterilization using Irradiation

EC REP European Representative

REF Catalogue number

LOT Batch Code

Do not Resterilize

Consult instruction for use

2 Do not reuse

CE mark and notified body number

Use by Date

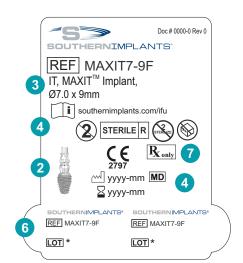
M Date of manufacture

Do not use if package is damaged

MD Identifies the product as a medical device

- 5 2D Bar coding Contains the GTIN, Use by Date and LOT Number
- 6 Patient sticker for documentation purposes (to be used by health care provider on patient file)
- 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

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

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