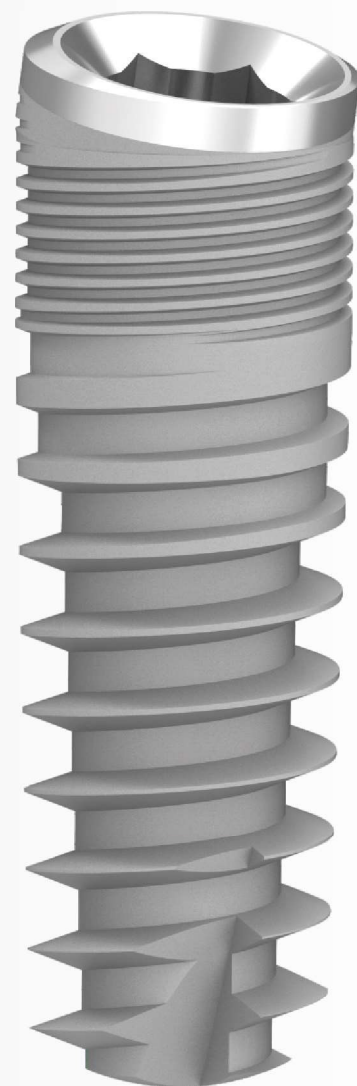


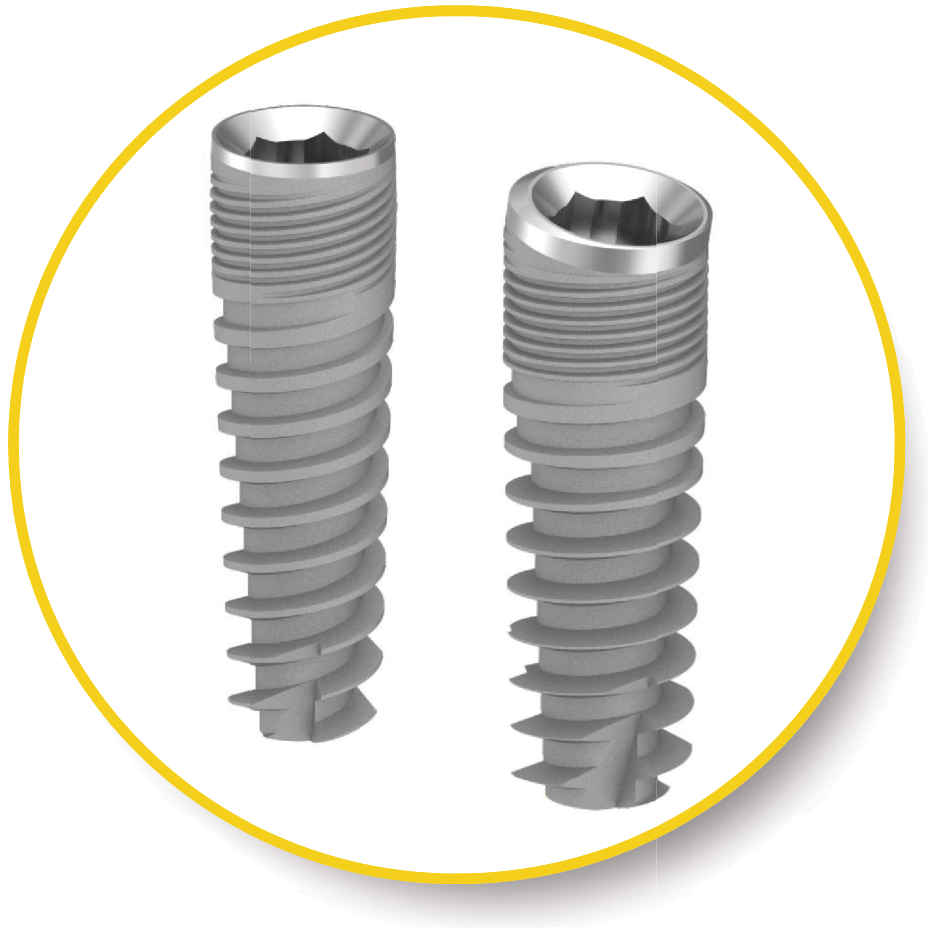


**SOUTHERNIMPLANTS®**

Innovative Treatment Solutions

**INTERNAL HEX** 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](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.

## INTERNAL HEX

Ø3.75mm

Ø4.2mm

Ø5.0mm

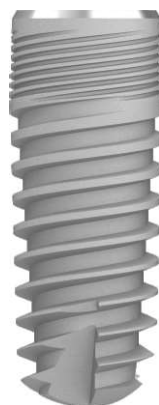
## Ø3.75mm / Ø4.2mm / Ø5.0mm Implants (Tapered)



**IM-T37xx**



**IM-T42xx**



**IM-T50xx**

(xx represents implant length)

**Implants are available in lengths of:**

**NOTE:** Implant dimensions and information - page 22

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)
IM-T3708	8.0
IM-T3710	10.0
IM-T3711	11.5
IM-T3713	13.0
IM-T3715	15.0

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)
IM-T4208	8.0
IM-T4210	10.0
IM-T4211	11.5
IM-T4213	13.0
IM-T4215	15.0
IM-T4218	18.0

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)
IM-T5008	8.0
IM-T5010	10.0
IM-T5011	11.5
IM-T5013	13.0
IM-T5015	15.0

## Surgical Components

### Cover Screw

**CS-M**



### Healing Abutments

**HA-M-37**



3/4/6 lengths

**HA-M-45**



3/4/6 lengths

**HA-M-55**



3/4/6 lengths

# Prosthetic Flowchart

## DIRECT

### Healing Abutments

- HA-M-37**  
3 / 4 / 6
- HA-M-45**  
4 / 6
- HA-M-45**  
3
- HA-M-55**  
3 / 4 / 6

### Impression Copings

- ICT-M** (pick-up)
- IC-M** (transfer)
- ICT-MW** (pick-up)
- SFT-M** (scanning flag)  
Titanium

### Laboratory Analogues

- LA-M**
- LAD-M** (digital analogue)

### Prosthetic Components

- TC-M** (engaging)  
**TC-NM** (non-engaging)  
Titanium
- GC-EM** (engaging)  
**GC-NM** (non-engaging)  
Gold
- PKC-M-2** (engaging)  
**PKC-NM-2** (non-engaging)  
PEEK\*  
\*Screw torque: 10 - 15Ncm
- TITANIUM Abutments**
- TCA-M** (engaging)
- TCA12-M** (engaging)
- TCA24-M** (engaging)
- TIB-M** (engaging)  
**TIB-M-C1.5** (engaging)  
**TIB-M-C3** (engaging)
- TIB-NM** (non-engaging)  
**TIB-NM-C1.5** (non-engaging)  
**TIB-NM-C3** (non-engaging)
- CAB-M** (engaging)  
**CAB-NM** (non-engaging)
- CIA-EM** (engaging)  
**CIA-NM** (non-engaging)
- SCANNABLE Abutments**
- TIB abutments available in 3 cuff height variants: 0.6mm, 1.5mm and 3mm
- PA-EM-S** (engaging)  
**PA-NM-S** (non-engaging)
- PASSIVE Abutments**
- Passive Abutment Screws**
- PA-M-18T** (Titanium (1,27 Hex))
- PA-Q-18G** (Gold (Quad))
- PA-M-18B\*** (Brass (1,27 Hex))  
\* (Blackened and for laboratory use only)
- TORQUE: 32Ncm**

### Retaining Screws

- TS-Z-18**  
Titanium (1,27 Hex)  
**TORQUE: 32Ncm**
- GS-Q-18**  
Gold (Quad)  
**TORQUE: 32Ncm**
- BS-Z-18\***  
Brass (1,27 Hex)  
\* (Blackened and for laboratory use only)

## INDIRECT

### Compact Conical Abutments

- MC-M**  
1 / 3 / 5
- MC-M-20d\***
- MC-M-30d\***

- HMC** (4/6)  
**OR**  
**HMC7** (4/6)
- CMC1** (pick-up)
- SFT-MC-48** (scanning flag)  
Titanium

- CMC2** (transfer)

- LSMC1**

- LAD-MC** (digital analogue)

- GMC1**  
Gold

- TMC1 / 5**  
Titanium  
**TMCSL** (long version)

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

- TIB-MC-48** (titanium scanning abutment)

- PA-MC-48** (passive abutment)

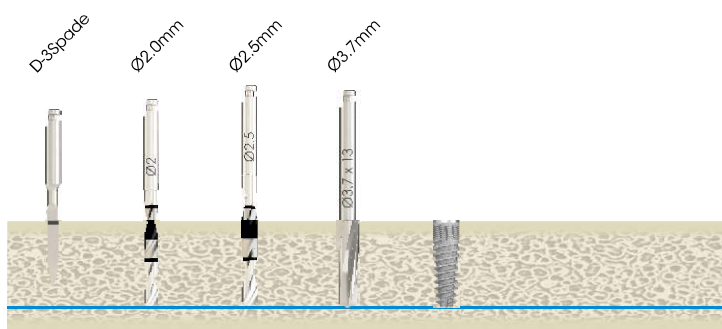
- 1 Series Screws**  
Torque 10 - 15Ncm

NOTE: • Refer to CAT-1189 for Equator Overdenture Abutments.

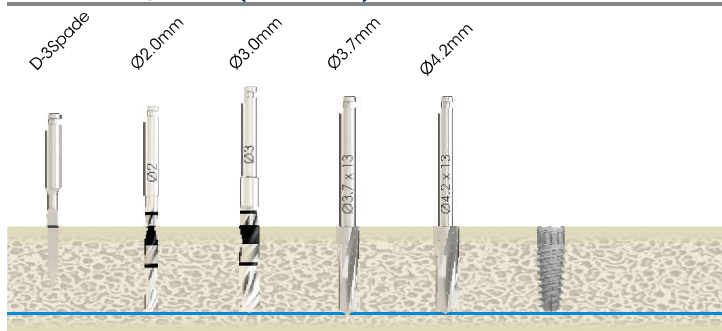
## Site Preparation Sequence

### Ø3.7mm Tapered (IM-T37xx)

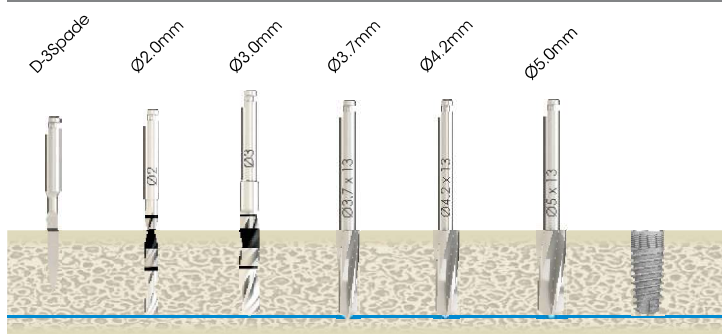
(Illustrations are for 13mm implants)



### Ø4.2mm Tapered (IM-T42xx)



### Ø5.0mm Tapered (IM-T50xx)



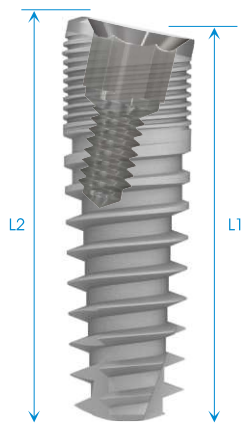
**NOTE:** • Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.  
• Refer to page 20 for the Fixture Mount Removal Protocol.



# INTERNAL HEX CO-AXIS®

Ø4.2mm

## Ø4.2mm Co-Axis® Implants (Tapered)



**IM-T42XX-12D**

(**xx** represents implant length)

**Implants are pre-mounted and available in lengths of:**

**NOTE:** Implant dimensions and information - page 22

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)	
	L1	L2
IM-T4208-12D	8.0	8.3
IM-T4210-12D	10.0	10.3
IM-T4211-12D	11.5	12.3
IM-T4213-12D	13.0	13.3
IM-T4215-12D	15.0	15.3
IM-T4218-12D	18.0	18.3

## Surgical Components

### Cover Screw

**CS-M**



### Healing Abutments

**HA-M-37**

Ø3,7



3/4/6 lengths

**HA-M-45**

Ø4,5



3/4/6 lengths

**HA-M-55**

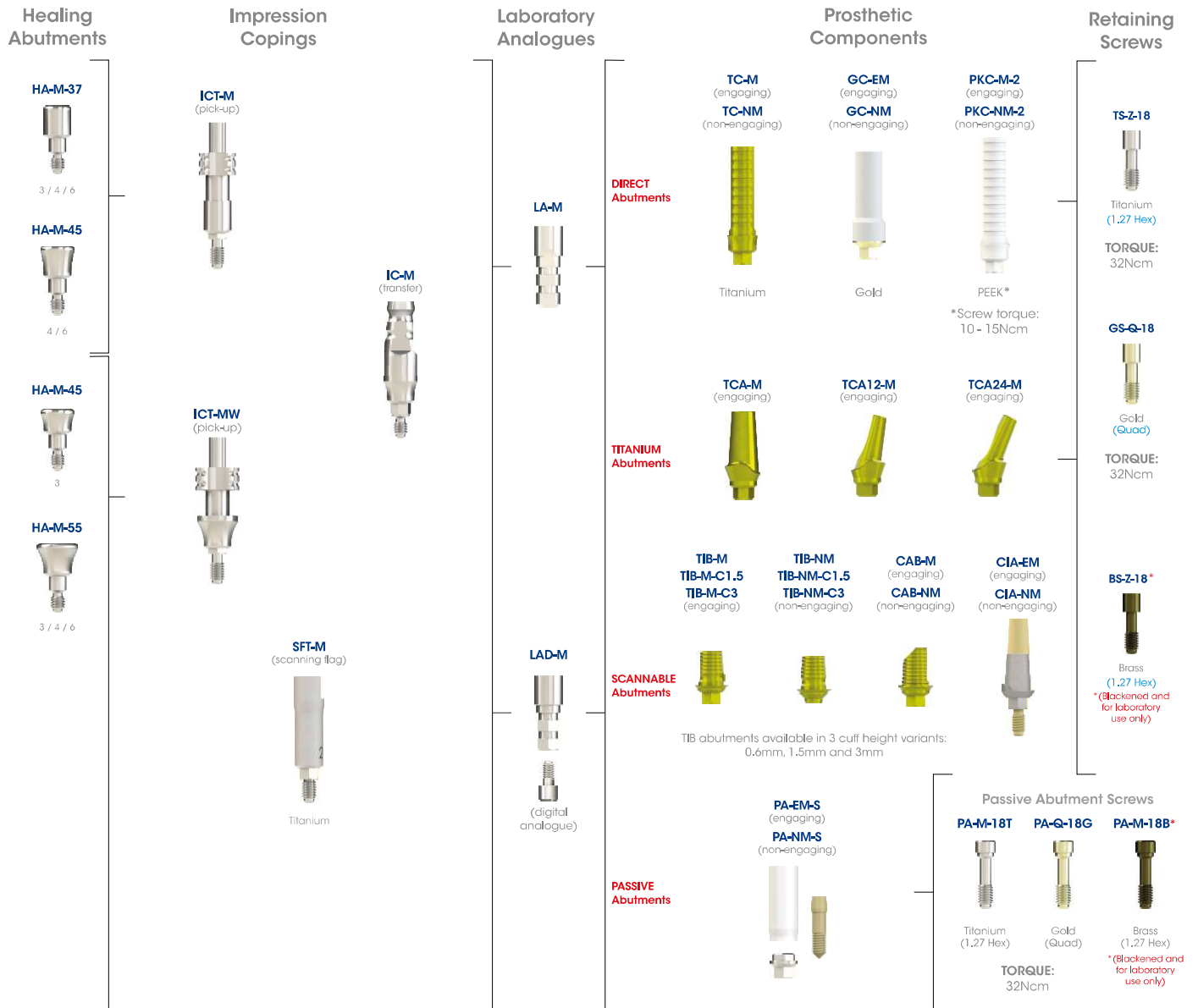
Ø5,5



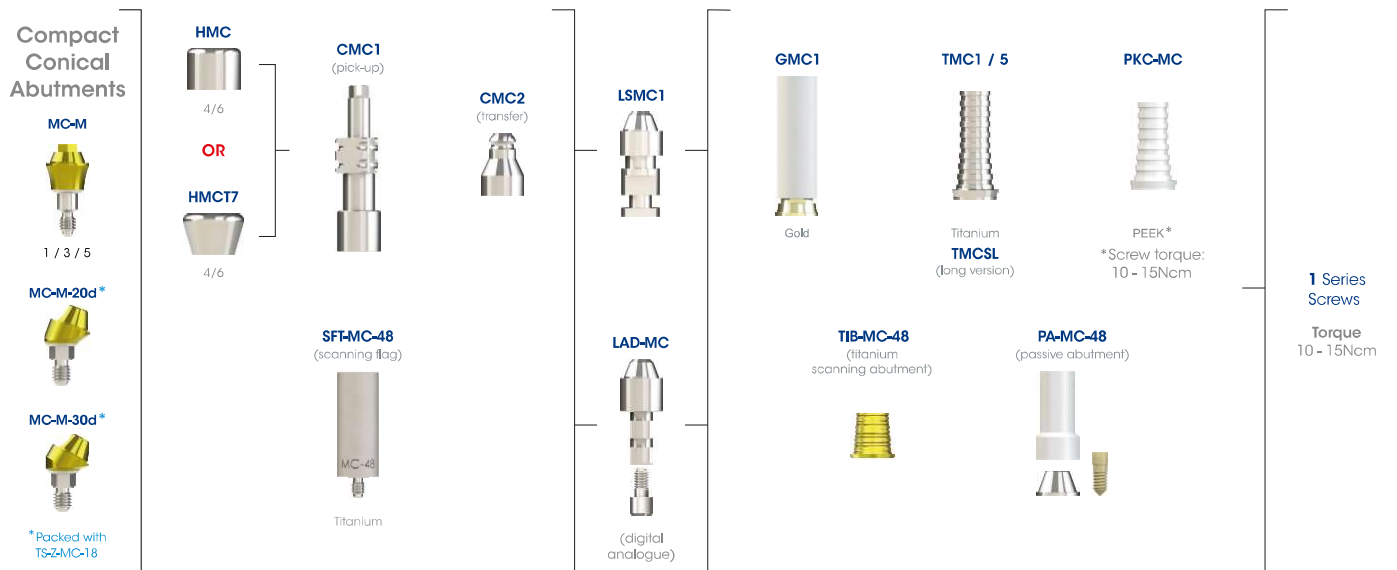
3/4/6 lengths

# Prosthetic Flowchart

## DIRECT



## INDIRECT

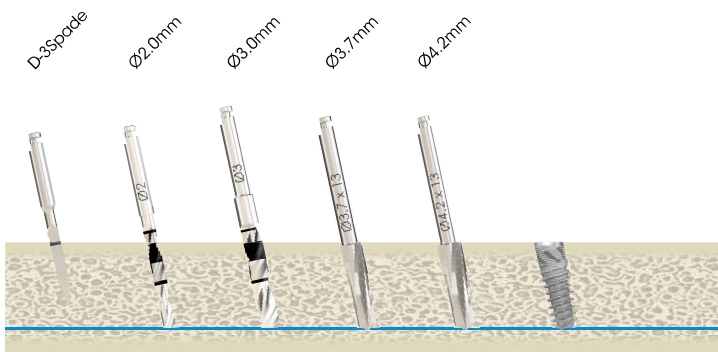


NOTE: • Refer to CAT-1189 for Equator Overdenture Abutments.

## Site Preparation Sequence

### Ø4.2mm Tapered Co-Axis® (IM-T42xx-12D)

(illustration is for 13mm implants)



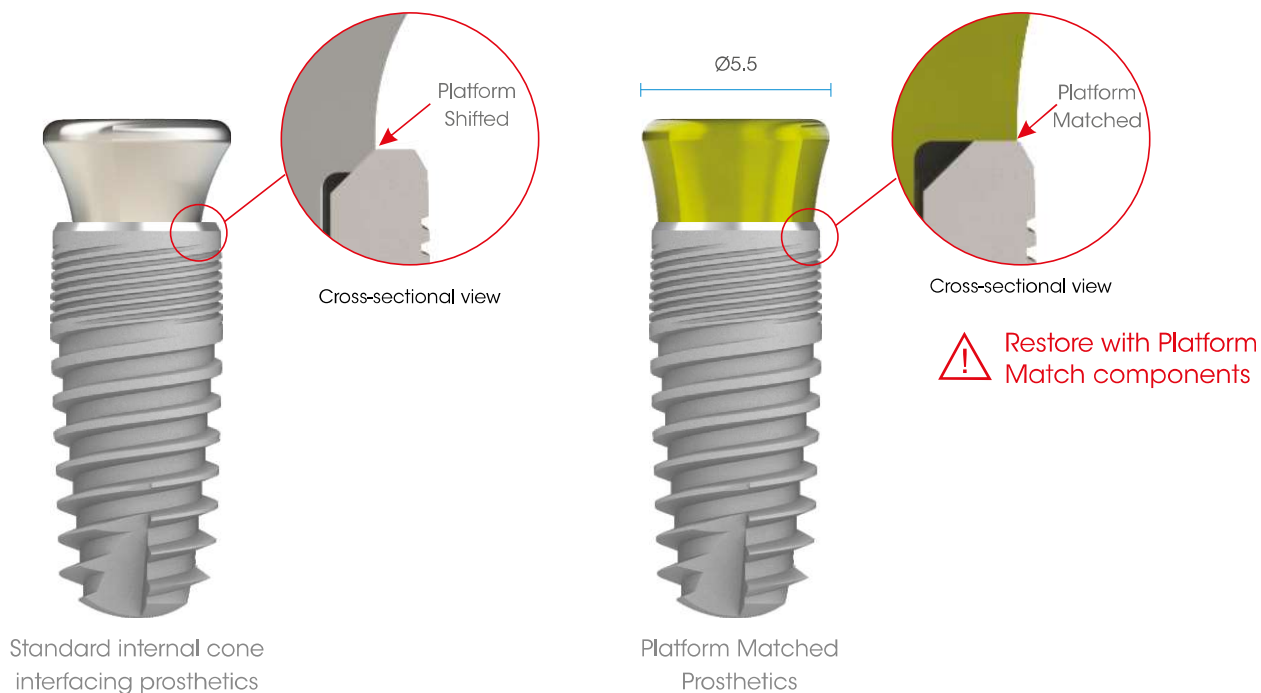
**NOTE:** • Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.  
• Refer to page 20 for the Fixture Mount Removal Protocol.

# PLATFORM MATCHED PROSTHETICS

for Ø5mm implants

In applications of the Ø5mm Internal Hex implants, for single posterior teeth, where the patient is known to have a very strong bite force, the clinician may choose to follow this "Platform Matched" approach. This approach uses the implant platform, in order to give the single tooth prosthetics greater stability.

Warning: These Platform Matched Prosthetics are not compatible with Ø3.7mm / Ø4.2mm Internal Hex implants or Ø4.2mm Internal Hex Co-Axis® implants.



## Compatible with:

NOTE: Implant dimensions and information - page 22

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)
IM-T5008	8.0
IM-T5010	10.0
IM-T5011	11.5
IM-T5013	13.0
IM-T5015	15.0

## Surgical Components

### Cover Screw

CS-M



### Healing Abutments

HA-M-P45



3/4/6 lengths

# Prosthetic Flowchart

## Direct

### Healing Abutments

CS-M



IM-T50

HA-M-P45



3 / 4 / 6  
lengths

### Impression Copings

ICT-MW-P45  
(pick-up)



IC-MW-P45  
(transfer)



SFT-M  
Scanning Flag



Titanium

### Laboratory Analogues

LA-M-P45



LAD-M-P45



(digital  
analogue)

SCANNABLE  
Abutments

PASSIVE  
Abutments

### Prosthetic Components

TIB-M-P45  
(engaging)



CAB-M-P45  
(engaging)



PA-EM-SP45  
(engaging)



### Passive Abutment Screws

PA-M-18T



Titanium  
(1.27 Hex)

PA-Q-18G



Gold  
(Quad)

PA-M-18B\*



Brass  
(1.27 Hex)

TORQUE:  
32Ncm

\* (Blackened and  
for laboratory  
use only)

### Retaining Screws

TS-Z-18



Titanium  
(1.27 Hex)

TORQUE:  
32Ncm

GS-Q-18



Gold  
(Quad)

TORQUE:  
32Ncm

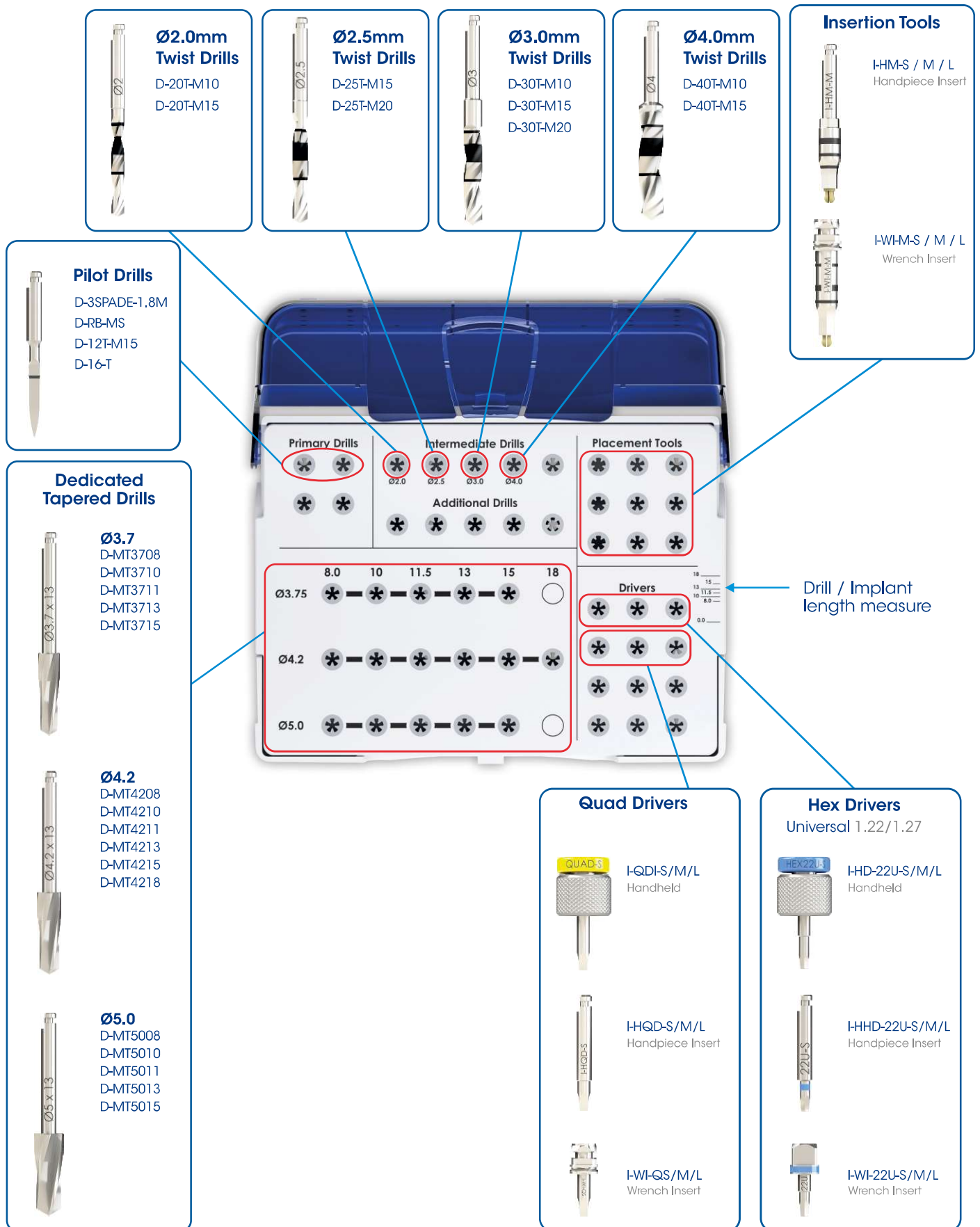
BS-Z-18\*



Brass  
(1.27 Hex)

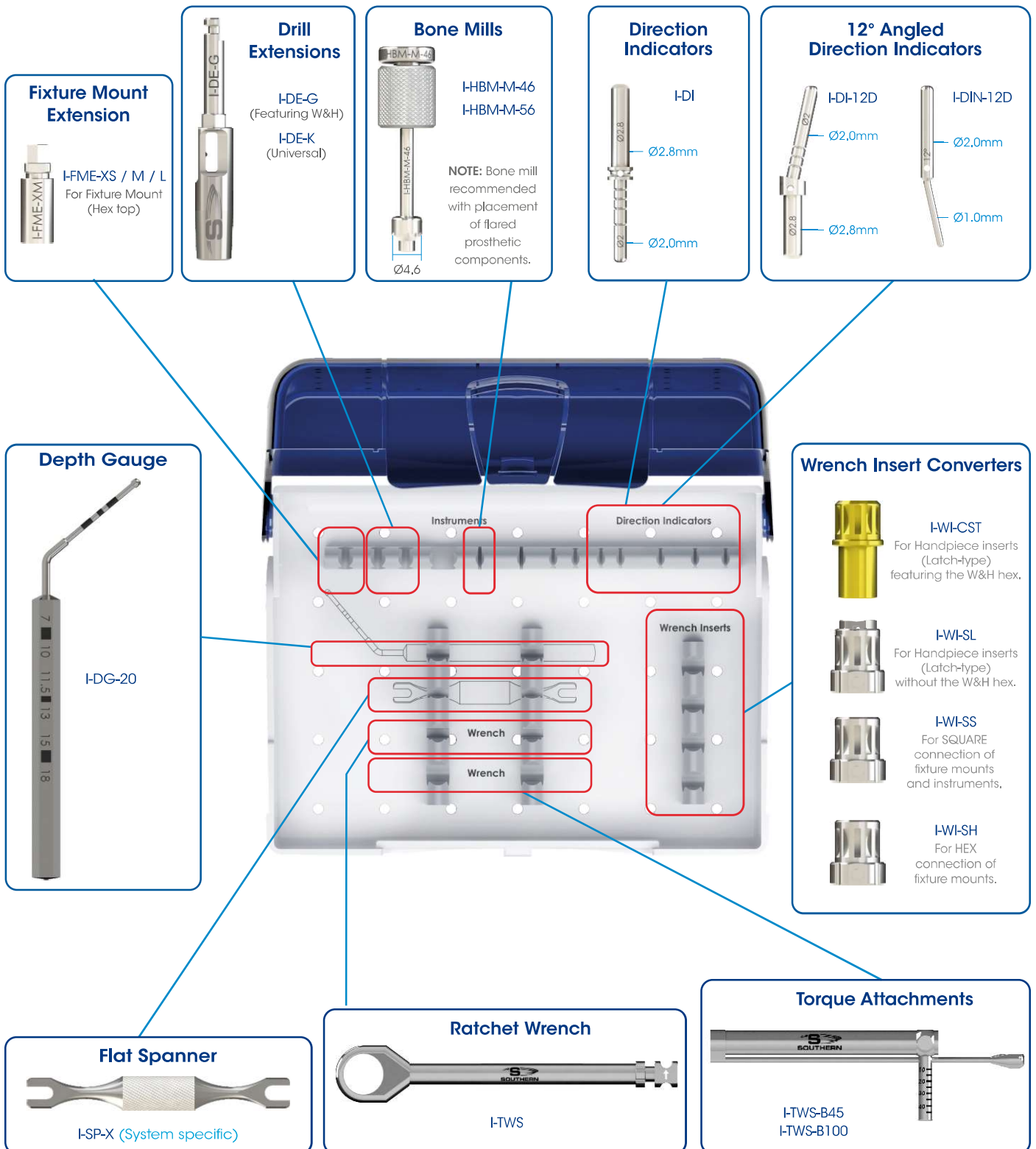
\* (Blackened and  
for laboratory  
use only)

TOP TRAY





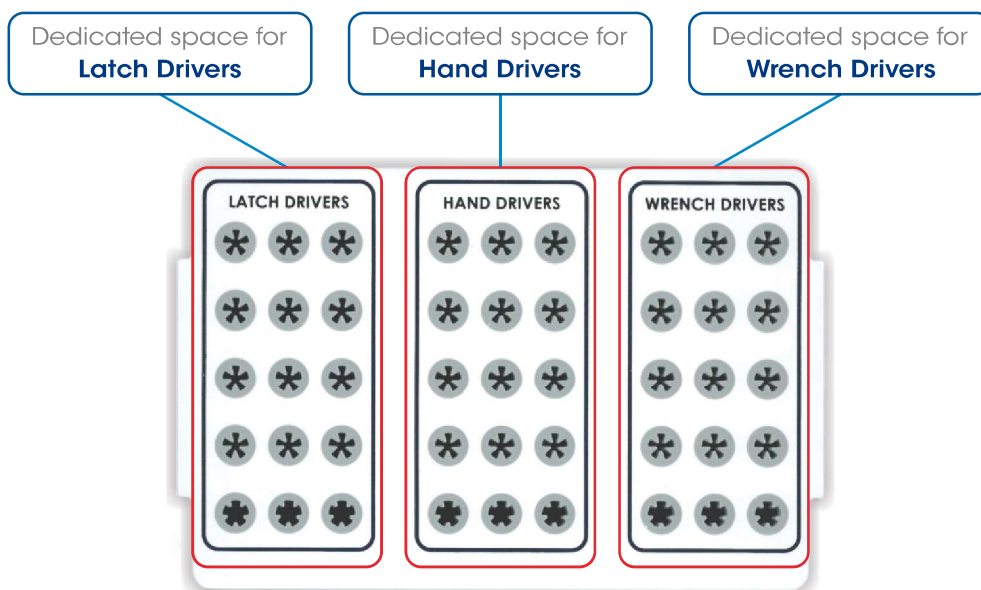
**BOTTOM TRAY**



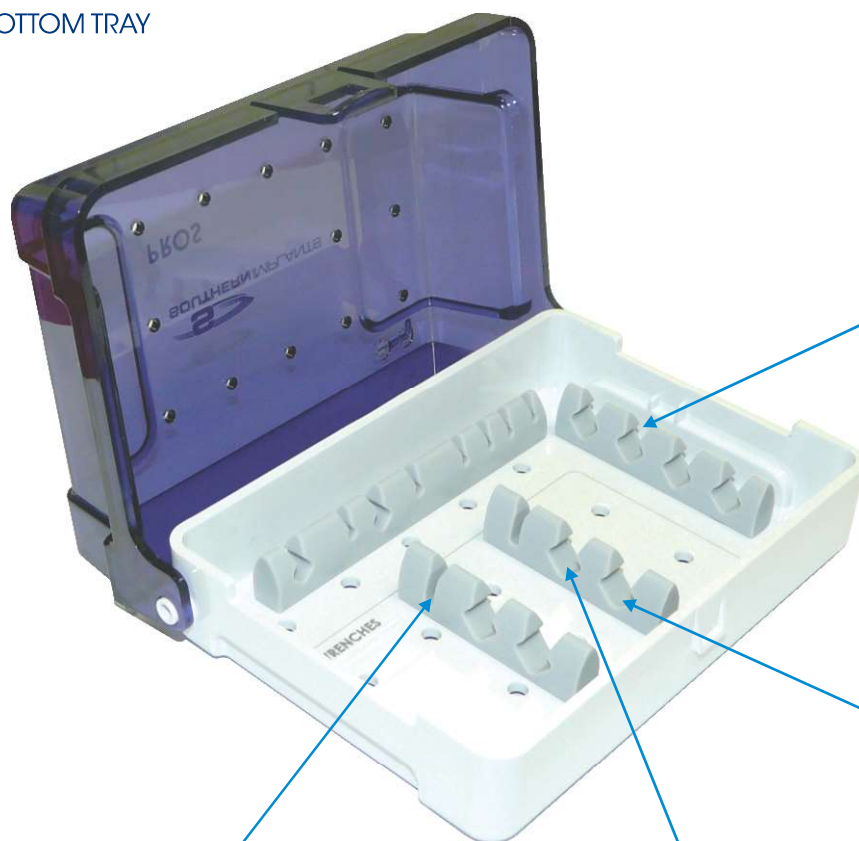
**NOTE:**

- 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.
- Refer to CAT-8035 for more information on bone mills and polishing protector caps.

TOP TRAY



BOTTOM TRAY



**Wrench Insert 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.

**Flat Spanner**  
I-SP-X (System specific)

**Ratchet Wrench**  
I-TWS

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

**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.

# TORQUE TABLE FOR SOUTHERN SCREWS

## 1.27 Hex Prosthetic screws



TS-Z-18



BS-Z-18\*



GS-Q-18

## Quad Prosthetic screws

**TORQUE:**  
32Ncm  
**Head Diameter:**  
2.25mm  
Screw TORQUE with  
PEEK Prosthetics:  
15Ncm

## 1.27 Hex Passive Abutment screws



PA-M-18T



PA-M-18G



PA-M-18B\*



PA-Q-18G

## Quad Passive Abutment screws

**TORQUE:**  
32Ncm  
**Head Diameter:**  
2.60mm

## Digital Laboratory Analogue screw

1.22 Hex



LAD-S

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

Screw supplied with all Digital Analogues

## 1 Series screws (M1.4)

1.22 Hex



TSH1



GSH1



BSH1\*

Unigrip



TSU1



GSU1

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

### NOTE:

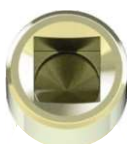
- Due to design revisions screw tips may be flat or rounded.
- Always ensure that the correct screw is used for the relevant implant and component.
- Refer to CAT-1003 for alternative slotted 1 Series screws.
- \* Blackened and for laboratory use only.
- Universal drivers are compatible with both 1.22 and 1.27 Hex screws:
  - I-HD22U-S/M/L
  - I-HHD-22U-S/M/L
  - I-WF-22U-S-/M/L

## Screw Head Connections

Hex



Quad



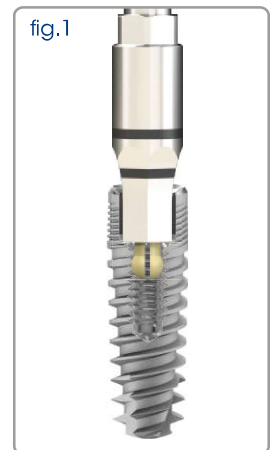
Unigrip



## INSERTION TOOL PROTOCOL

### Implant Placement Procedure for Straight Internal Hex implants

1. The tool I-HM-S / M / L is used to pick up the implant from the packaging.
2. The hexagon of the insertion tool in the implant must be fully engaged before torque is applied, to prevent any damage [The hexagon is fully engaged when the straight portion of the hexagon tool is almost completely sunken in the implant (fig.1)].
3. The implant is placed in the prepared site and screwed in with a motor unit at 15rpm while applying downwards pressure.



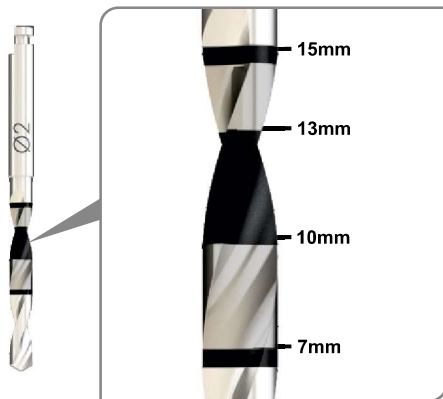
## CO-AXIS® FIXTURE MOUNT REMOVAL PROTOCOL

1. The tool I-HM-S / M / L is used to pick up the implant from the packaging (fig. 2) using the fixture mount.
2. Once the implant is placed, the position verified, and after final X-rays have been taken, remove the fixture mount by unscrewing the fixture mount screw using a I-HD-22U-S / M / L handheld driver (fig. 3).



## DRILL INFORMATION

### Twist Drill Markings

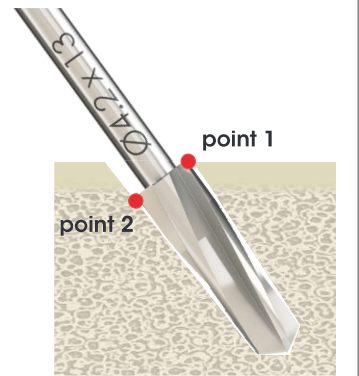


### Final tapered drill position for Co-Axis® implants

**PLEASE NOTE:**

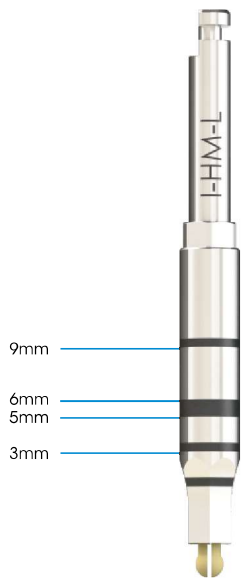
**Point 1**  
This corner of the drill is to be at bone level.

**Point 2**  
This corner of the drill will be subcrestal.

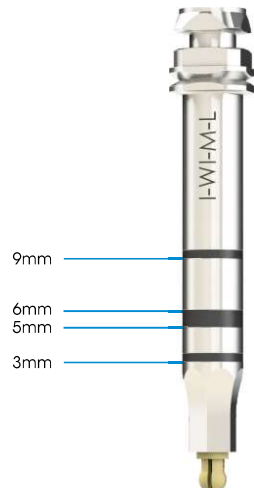


## INSERTION TOOL DEPTH MARKINGS

## INSTRUMENTATION



I-HM-L used for illustration purposes



I-WI-M-L used for illustration purposes



**NOTE:**

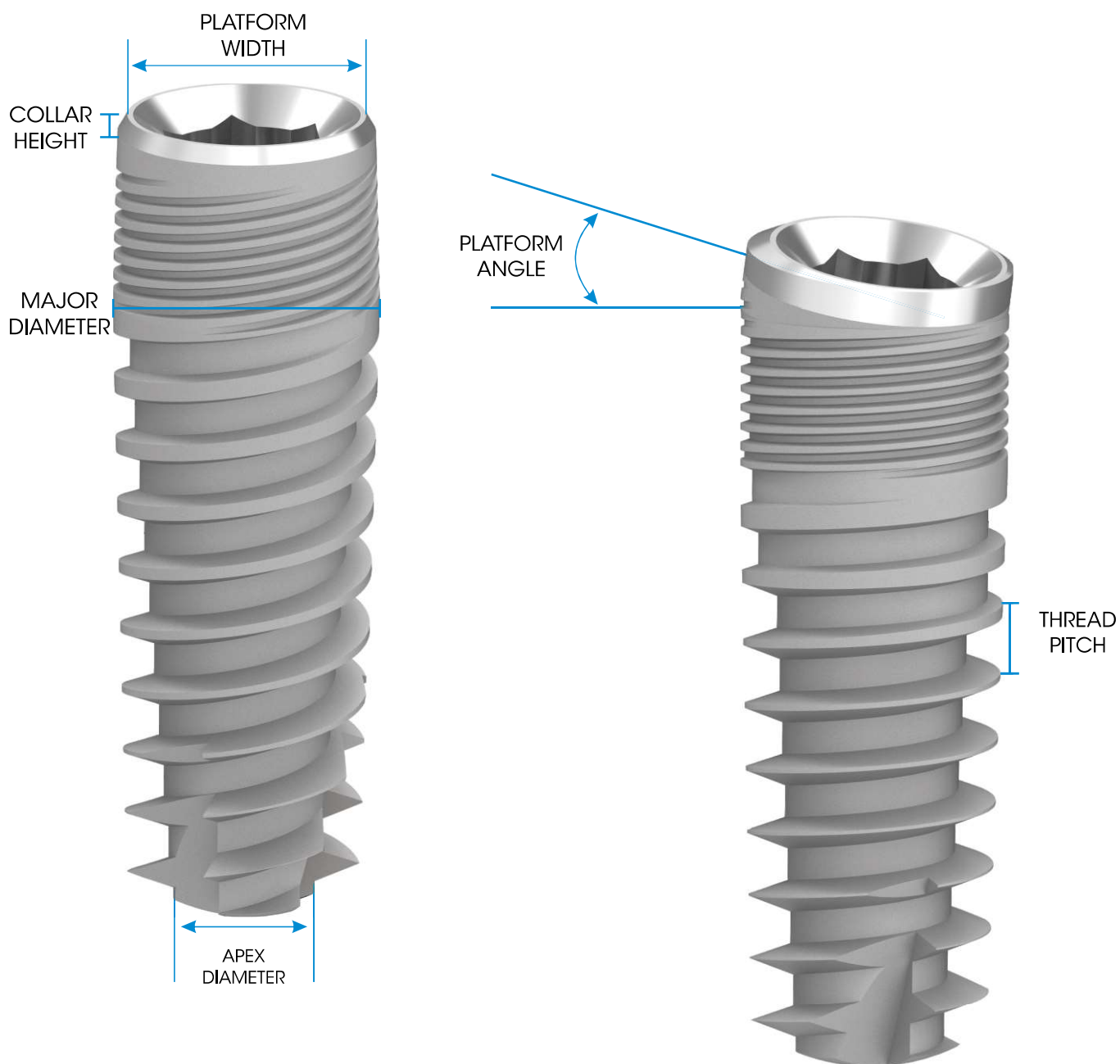
- Laser markings at 3mm, 5mm, 6mm and 9mm from the implant platform.
- Refer to CAT-8056 for Insertion Tool markings and depths.

**Important:** The PEEK bits (I-PBIT-L18) should be replaced on a regular basis. General wear & tear are to be expected with regular use. Items sold separately.

## IMPLANT DIMENSIONS AND INFORMATION

RANGE	MAJOR DIAMETER	IMPLANT PLATFORM DIAMETER	PROSTHETIC DIAMETER	Prosthetics	HEX WIDTH (across flats)	SMOOTH COLLAR HEIGHT	THREAD PITCH	APEX DIAMETER	Cylindrical or Tapered	PLATFORM ANGLE	IMPLANT LENGTHS						
											8	10	11	13	15	18	
<b>IM-T37</b>	Ø3.75mm	3.83	3.75	3.6	●	2.44	0.30	1.0	3.1	T		✓	✓	✓	✓	✓	
<b>IM-T42</b>	Ø4.2mm	4.2	3.75	3.6	●	2.44	0.27	1.0	3.7	T		✓	✓	✓	✓	✓	✓
<b>IM-T50</b>	Ø5.0mm	5.0	4.55	3.6 / 4.5	● / ●	2.44	0.27	1.0	4.5	T		✓	✓	✓	✓	✓	
<b>IM-T42-12D</b>	Ø4.2mm	4.2	3.75	3.6	●	2.44	0.15	1.0	3.7	T	12°	✓	✓	✓	✓	✓	✓

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


















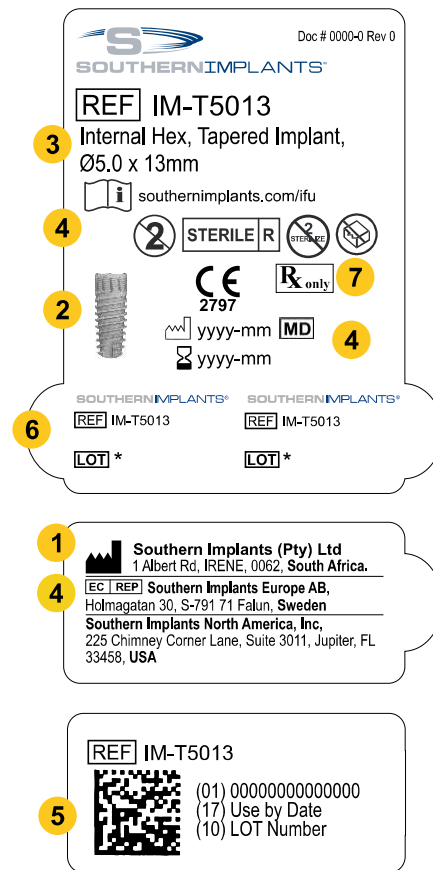
**NOTE:**

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## EXPLANATION OF SYMBOLS

The following symbols are used on packaging labels and they indicate the following:

- 1**  Manufacturer
- 2**  Implant image
- 3**  Implant details and size
- 4**  Sterilization using Irradiation
-  European Representative
-  Catalogue number
-  Batch Code
-  Do not Resterilize
-  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
- 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)
- 7**  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](http://southernimplants.com/ifu)

For more information, please contact your  
Southern Implants Representative or visit [southernimplants.com](http://southernimplants.com)



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