



**SOUTHERNIMPLANTS®**

Innovative Treatment Solutions

**PROVATA®** 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<sup>®</sup> implant, featuring a body-shift design, engineered for primary stability and suitable for immediate loading.
- Co-Axis<sup>®</sup>, 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

	<b>PROVATA®</b>	
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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.

**PROVATA®**

**Ø4.0mm / Ø5.0mm**

 Implants with Standard Interface



PRO4



MSc-PRO4



PRO5



MSc-PRO5

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 32

ITEM CODE TAPERED	MSc-TAPERED	IMPLANT LENGTHS (in mm)
PRO408	MSc-PRO408	8,5
PRO410	MSc-PRO410	10
PRO411	MSc-PRO411	11,5
PRO413	MSc-PRO413	13
PRO415	MSc-PRO415	15
PRO418	MSc-PRO418	18

ITEM CODE TAPERED	MSc-TAPERED	IMPLANT LENGTHS (in mm)
PRO508	MSc-PRO508	8,5
PRO510	MSc-PRO510	10
PRO511	MSc-PRO511	11,5
PRO513	MSc-PRO513	13
PRO515	MSc-PRO515	15
PRO518	MSc-PRO518	18

Surgical Components

Cover Screw

Healing Abutments

CS-M



HA-M-37



3/4/6 lengths

HA-M-45



3/4/6 lengths

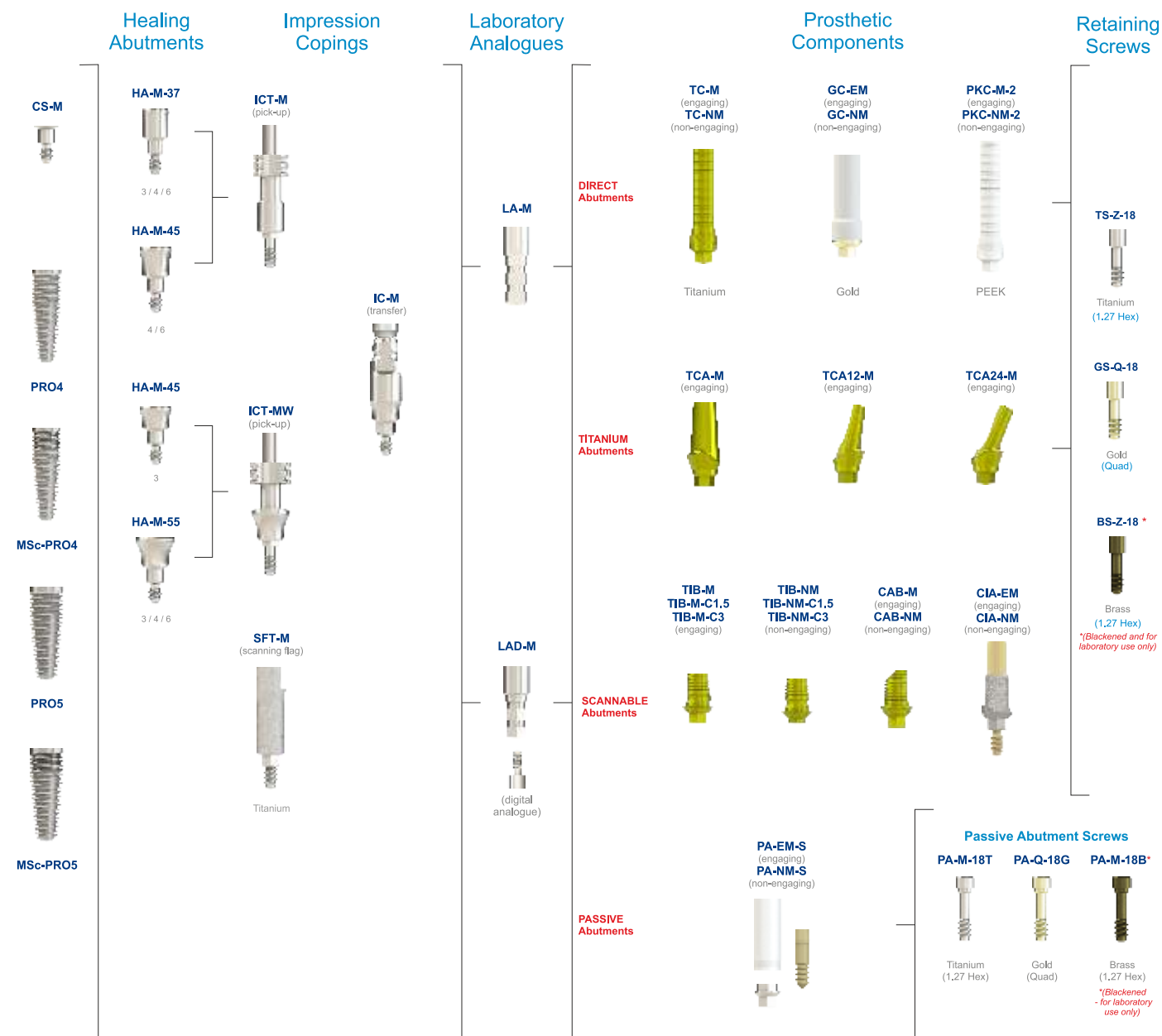
HA-M-55



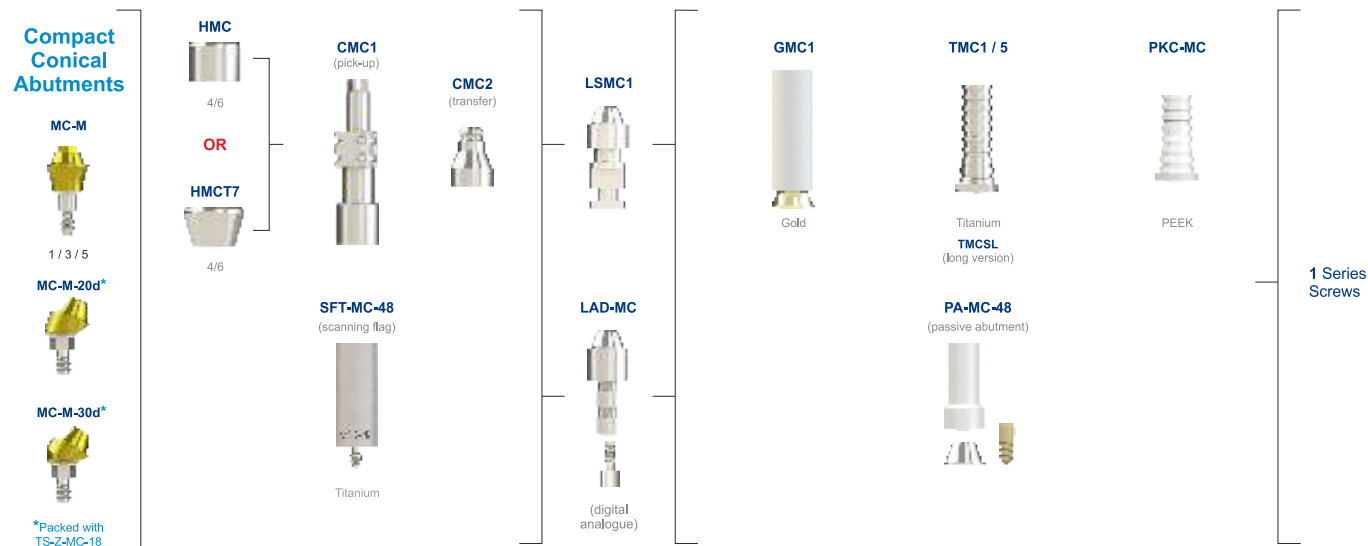
3/4/6 lengths

# Prosthetic Flowchart

## Direct



## Indirect



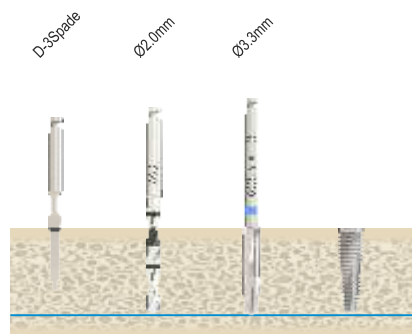
NOTE: Refer to CAT-1189 for Equator Overdenture options.

## Site Preparation Sequence

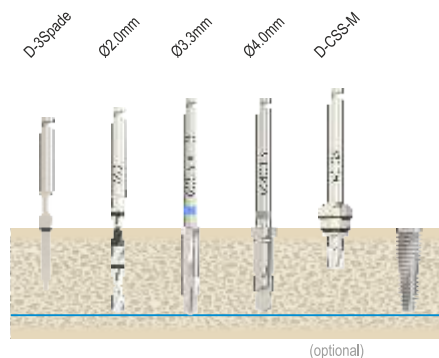
### Ø4.0mm Tapered (PRO4 / MSc-PRO4)

(illustrations are for 13mm implants)

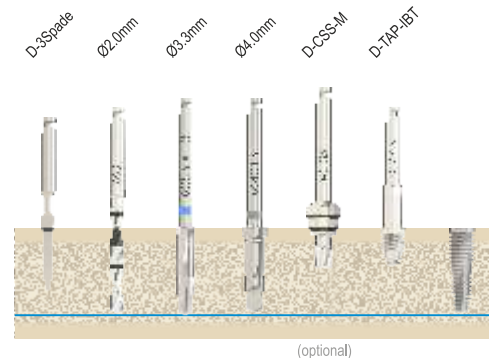
#### Soft Bone



#### Medium Bone

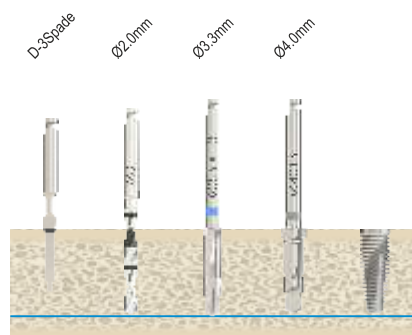


#### Dense Bone

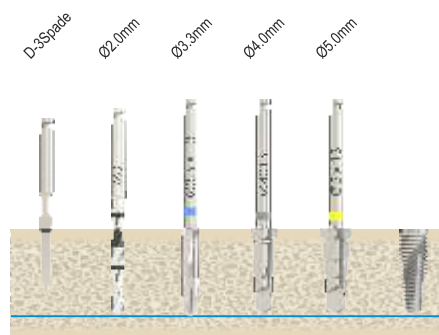


### Ø5.0mm Tapered (PRO5 / MSc-PRO5)

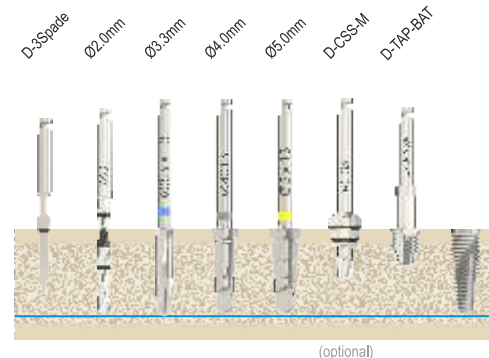
#### Soft Bone



#### Medium Bone



#### Dense Bone



Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.

## Instrumentation

### Placement Tool



I-HM-S / M / L



I-WI-M-S / M / L



Wrench insert

### Converters

I-WI-CST



For Handpiece inserts (Latch-type) featuring the W&H hex

I-WI-SS



For SQUARE connection of fixture mounts and instruments

### Drivers

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



1.22 Universal Hex Driver

I-QDI-S/M/L



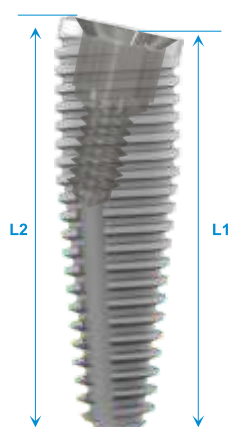
Quad Driver

**NOTE:** - Refer to CAT-1155 for more information on wrench insert Converters.  
- Most instruments are available in various lengths  
- Refer to page 31 for the Insertion Tool Protocol



**PROVATA<sup>®</sup> Co-Axis<sup>®</sup>**

**Ø4.0mm / Ø5.0mm**



PRO12D4



MSc-PRO12D4



PRO12D5



MSc-PRO12D5

Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 32

ITEM CODE		IMPLANT LENGTHS (in mm)	
TAPERED	MSc-TAPERED	L1	L2
PRO12D408	MSc-PRO12D408	8.5	8.8
PRO12D410	MSc-PRO12D410	10	10.3
PRO12D411	MSc-PRO12D411	11.5	11.8
PRO12D413	MSc-PRO12D413	13	13.3
PRO12D415	MSc-PRO12D415	15	15.3
PRO12D418	MSc-PRO12D418	18	18.3

ITEM CODE		IMPLANT LENGTHS (in mm)	
TAPERED	MSc-TAPERED	L1	L2
PRO12D508	MSc-PRO12D508	8.5	8.8
PRO12D510	MSc-PRO12D510	10	10.3
PRO12D511	MSc-PRO12D511	11.5	11.8
PRO12D513	MSc-PRO12D513	13	13.3
PRO12D515	MSc-PRO12D515	15	15.3
PRO12D518	MSc-PRO12D518	18	18.3

## Surgical Components

### Cover Screw

CS-M



### Healing Abutments

HA-M-37



3/4/6 lengths

HA-M-45



3/4/6 lengths

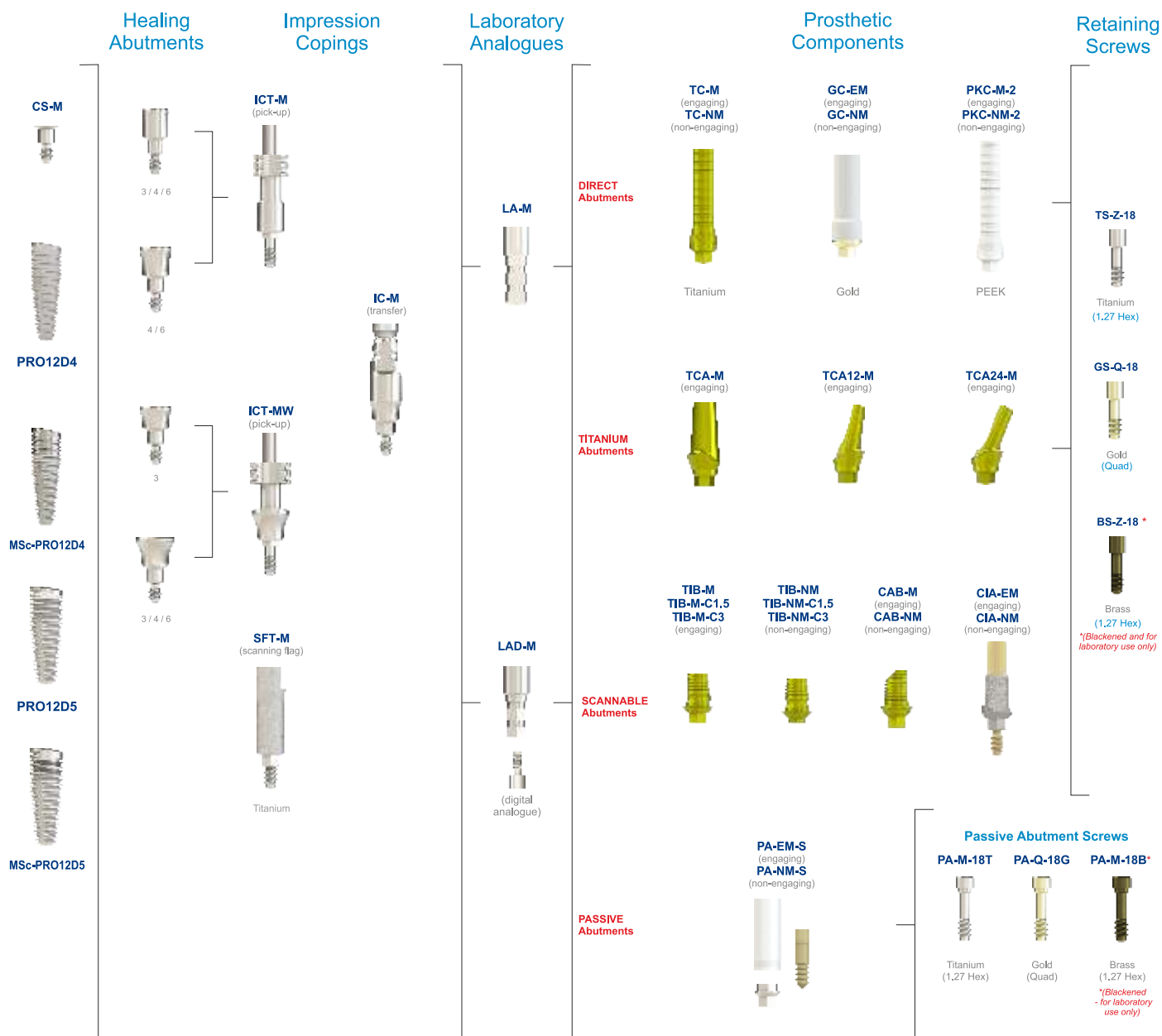
HA-M-55



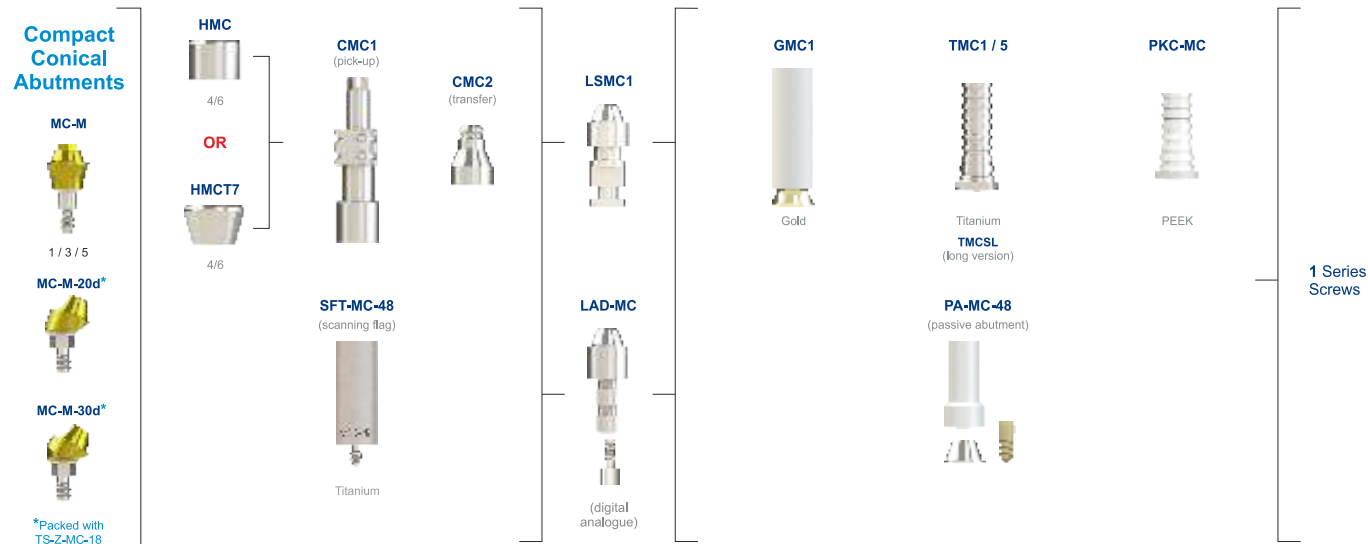
3/4/6 lengths

# Prosthetic Flowchart

## Direct



## Indirect



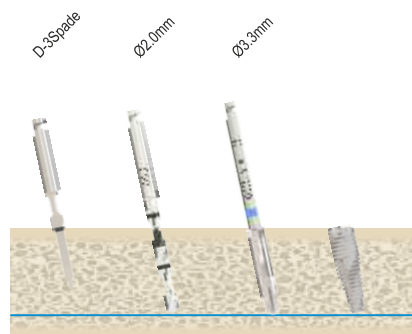
NOTE: Refer to CAT-1189 for Equator Overdenture options.

## Site Preparation Sequence

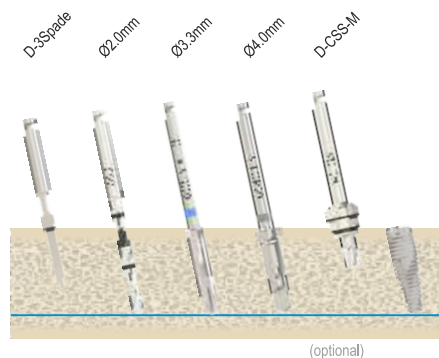
### Ø4.0mm Tapered Co-Axis® (PRO12D4 / MSc-PRO12D4)

(illustrations are for 13mm implants)

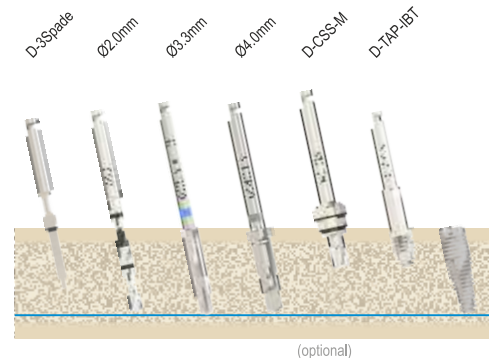
#### Soft Bone



#### Medium Bone

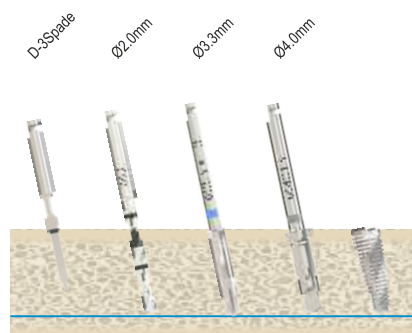


#### Dense Bone

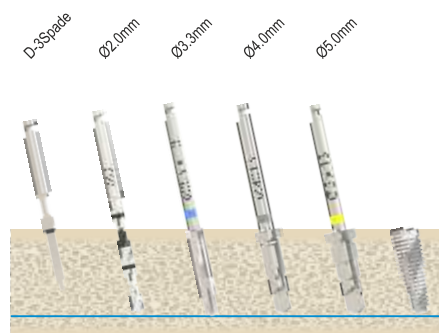


### Ø5.0mm Tapered Co-Axis (PRO12D5 / MSc-PRO12D5)

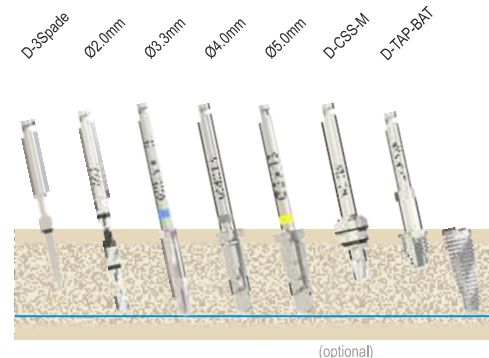
#### Soft Bone



#### Medium Bone



#### Dense Bone



Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.

## Instrumentation

### Placement Tool

I-HM-S / M / L



I-WI-M-S / M / L



Wrench insert

### Converters

I-WI-CST



For Handpiece inserts (Latch-type) featuring the W&H hex

I-WI-SS



For SQUARE connection of fixture mounts and instruments

### Drivers

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



1.22 Universal Hex Driver

I-QDI-S/M/L



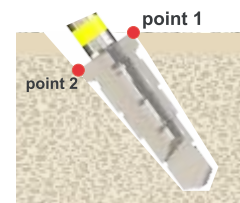
Quad Driver

### Final tapered drill position

#### 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.



**NOTE:** - Refer to CAT-1155 for more information on wrench insert Converters.  
- Most instruments are available in various lengths  
- Refer to page 31 for the Insertion Tool Protocol

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**PROMAX**

**Ø6.0mm**

(Standard Interface)

 Implants with Standard Interface



PROMAX6

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 32

ITEM CODE	
TAPERED	IMPLANT LENGTHS (in mm)
PROMAX607	7
PROMAX609	9
PROMAX611	11

Surgical Components

Cover Screw

Healing Abutments

CS-M



HA-M-37



3/4/6 lengths

HA-M-45



3/4/6 lengths

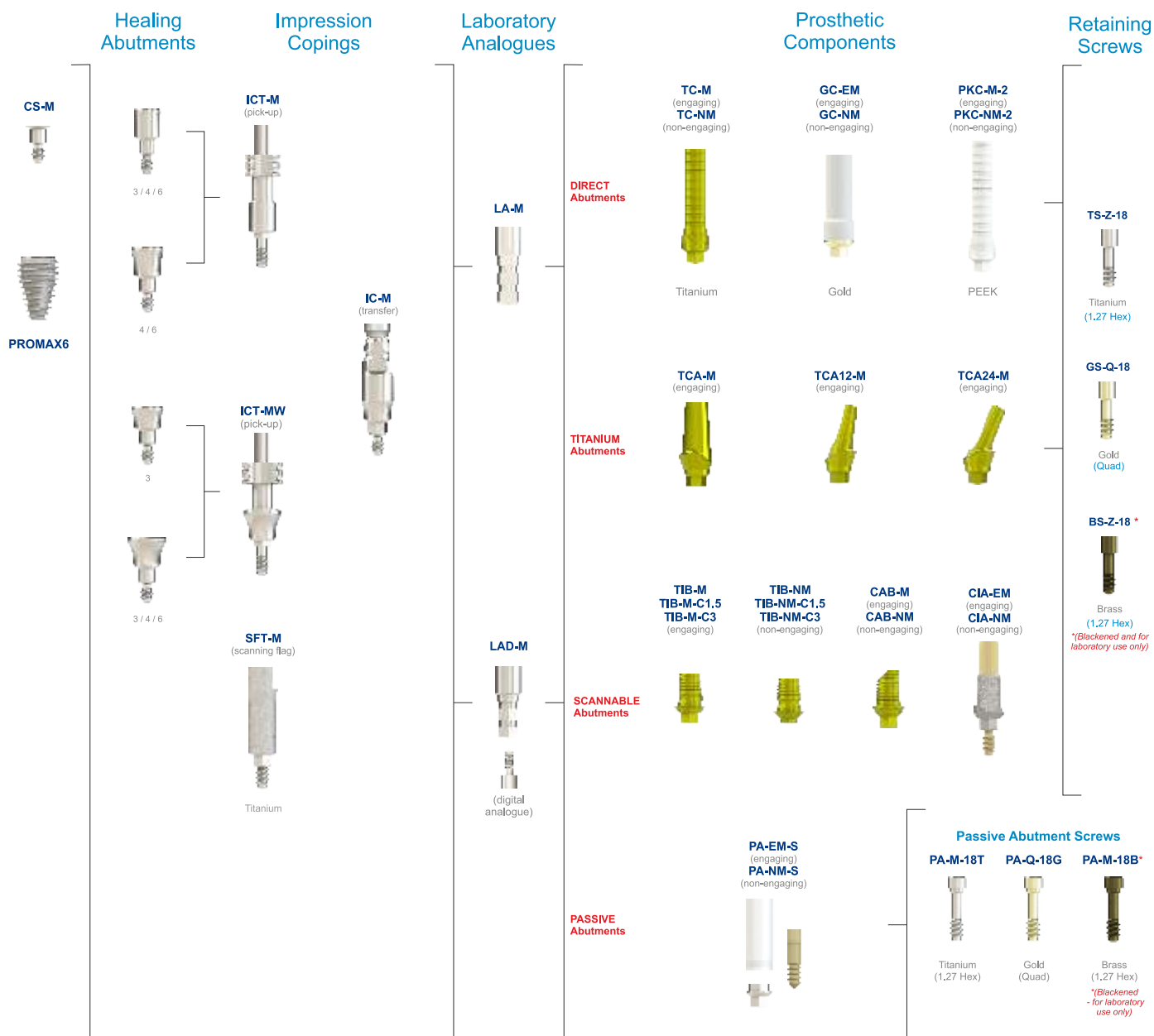
HA-M-55



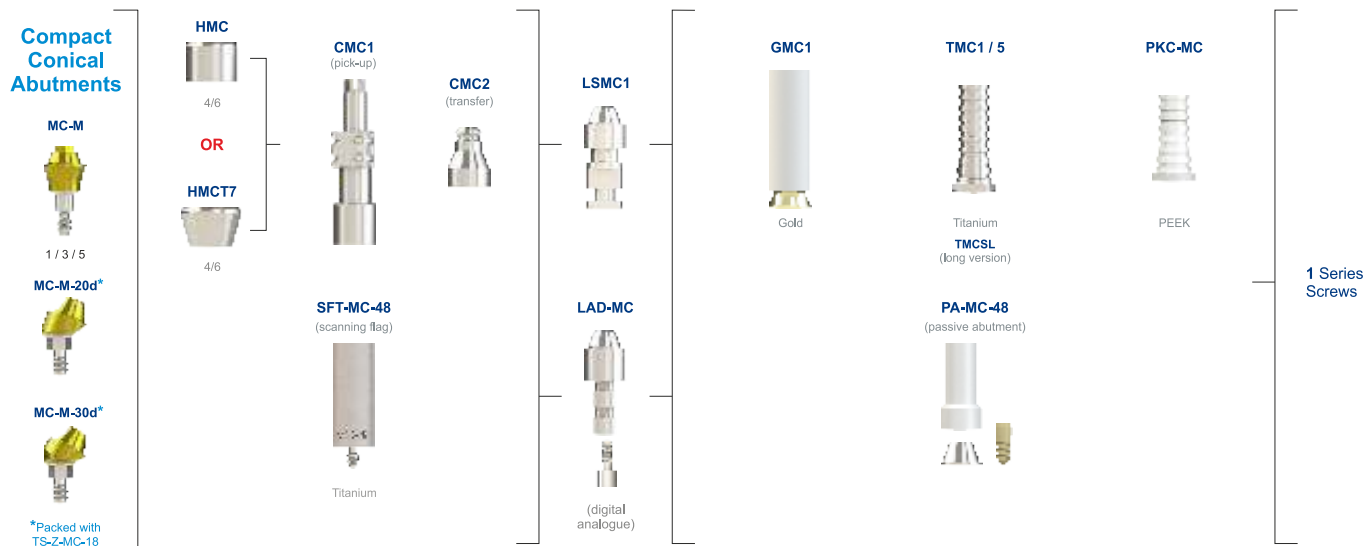
3/4/6 lengths

# Prosthetic Flowchart

## Direct



## Indirect

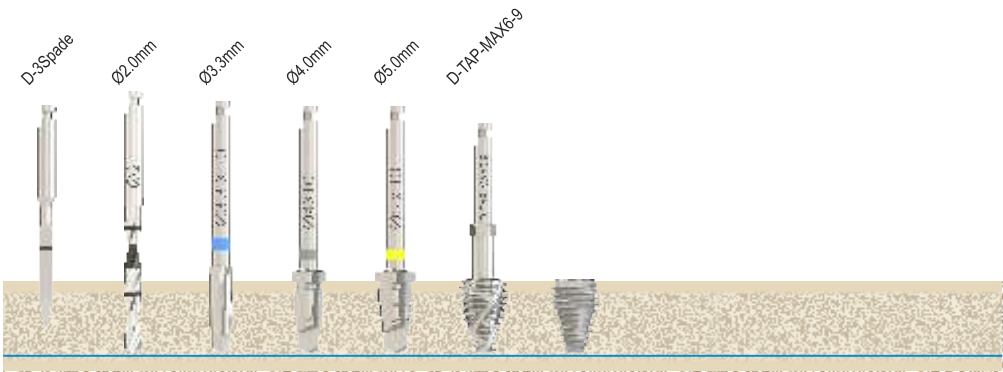


NOTE: Refer to CAT-1189 for Equator Overdenture options.

Site Preparation Sequence









Ø6.0mm Tapered (PROMAX6)

(illustration is for 9mm implants)



Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.

Instrumentation

  	Placement Tool		Converters	
	I-HM-S / M / L	I-WI-M-S / M / L	I-WI-CST	I-WI-SS
		 Wrench insert	 For Handpiece inserts (Latch-type) featuring the W&H hex	 For SQUARE connection of fixture mounts and instruments
	Drivers		<b>NOTE:</b> - Refer to CAT-1155 for more information on wrench insert Converters. - Most instruments are available in various lengths - Refer to page 31 for the Insertion Tool Protocol	
	I-HD-22U-S/M/L	I-QDI-S/M/L		
	 1.22 Universal Hex Driver	 Quad Driver		



**PROMAX**

**Ø7.0mm / Ø8.0mm / Ø9.0mm**  
(Wide Interface)



**PROMAX7**



**PROMAX8**



**PROMAX9**

### Implants are available in lengths of:

NOTE: Implant dimensions and information - page 32

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)
PROMAX707	7
PROMAX709	9
PROMAX711	11

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)
PROMAX807	7
PROMAX809	9
PROMAX811	11

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)
PROMAX907	7
PROMAX909	9
PROMAX911	11

## Surgical Components

### Cover Screw

**CS-Z**



### Healing Abutments

**HA-Z6**



3/6  
lengths

**HA-Z8**



3/6  
lengths

### Anatomically shaped abutments

**PKA-Z6-9**



PEEK

**PKA-Z8-11**

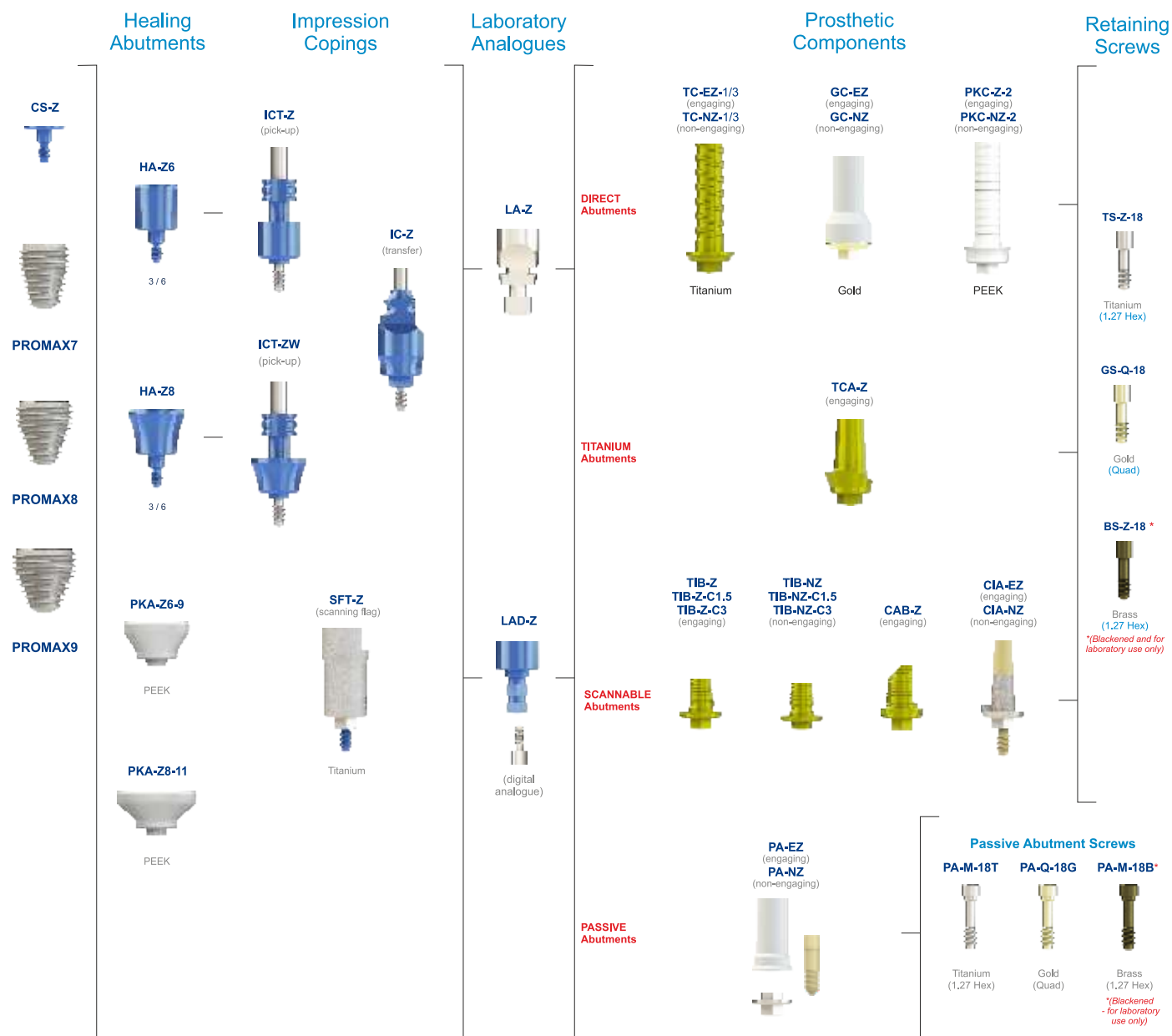


PEEK

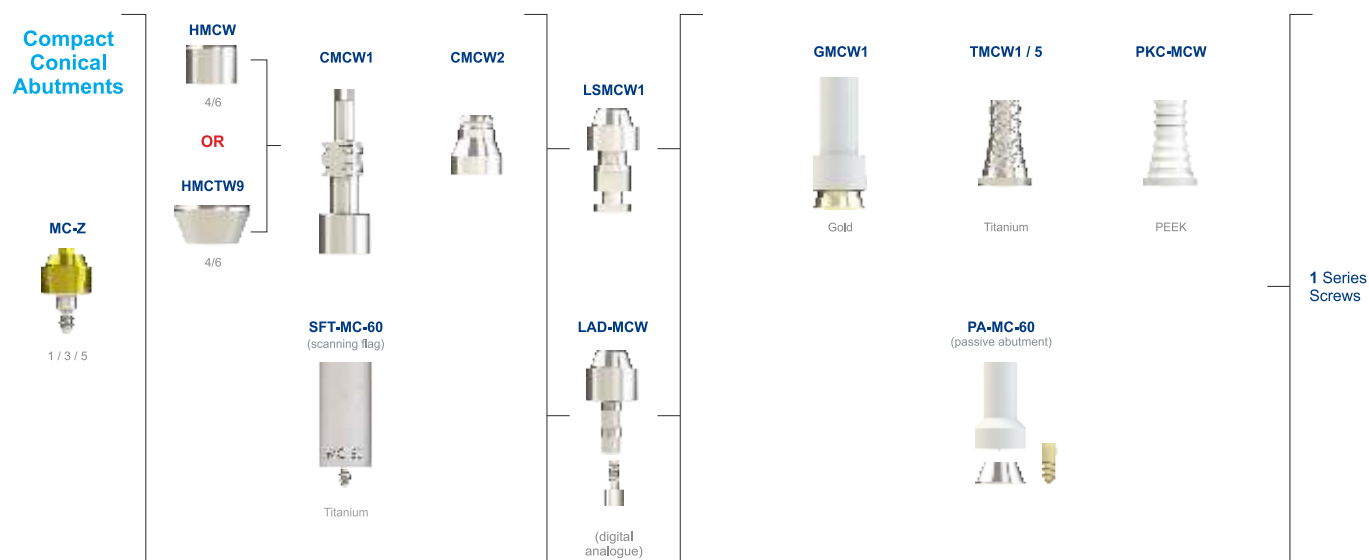
Retaining Screw sold separately (TS-Z-18)

## Prosthetic Flowchart

## Direct



## Indirect

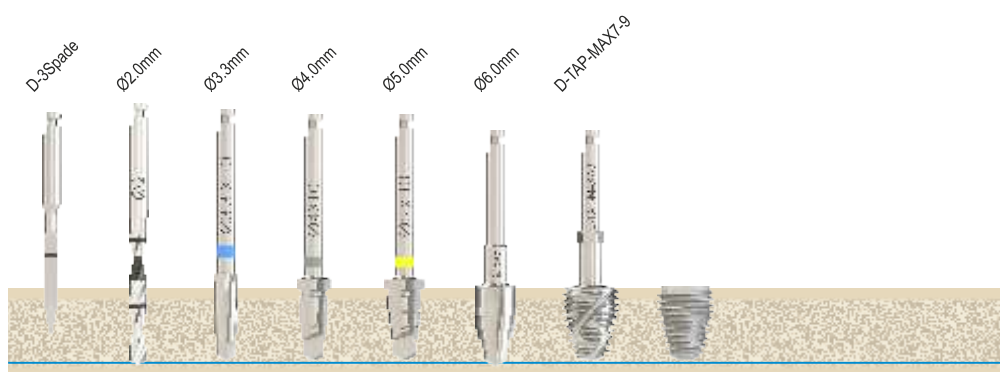


NOTE: Refer to CAT-1189 for Equator Overdenture options.

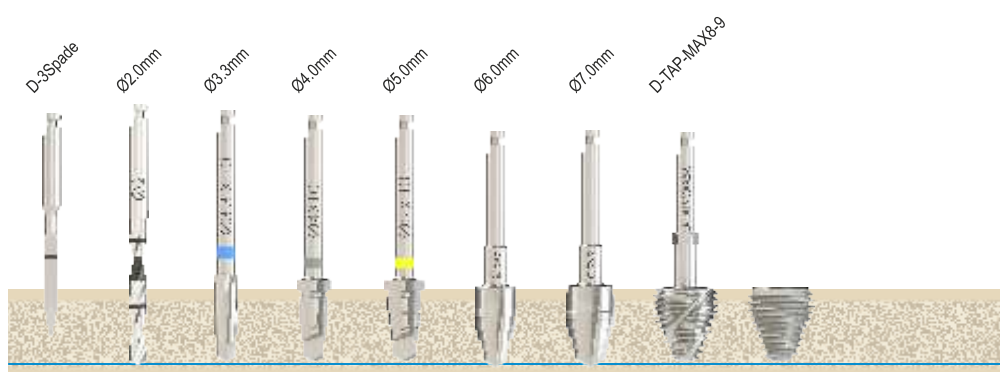
## Site Preparation Sequence

### Ø7.0mm Tapered (PROMAX7)

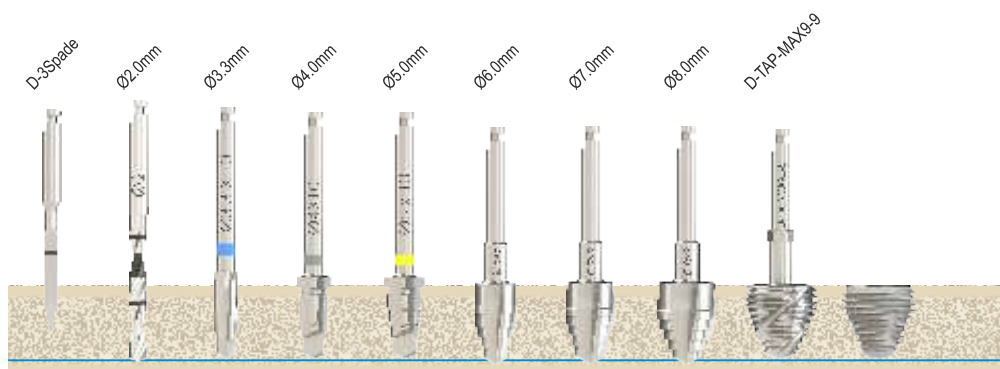
(Illustrations are for 9mm implants)



### Ø8.0mm Tapered (PROMAX8)



### Ø9.0mm Tapered (PROMAX9)



Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.

## Instrumentation

### Placement Tool

I-HZ-S / M / L



I-WI-M-S / M / L



Wrench insert

### Converters

I-WI-CST



For Handpiece inserts (Latch-type) featuring the W&H hex

I-WI-SS



For SQUARE connection of fixture mounts and instruments

### Drivers

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



1.22 Universal Hex Driver

I-QDI-S/M/L



Quad Driver

**NOTE:** - Refer to CAT-1155 for more information on wrench insert Converters.  
- Most instruments are available in various lengths  
- Refer to page 31 for the Insertion Tool Protocol

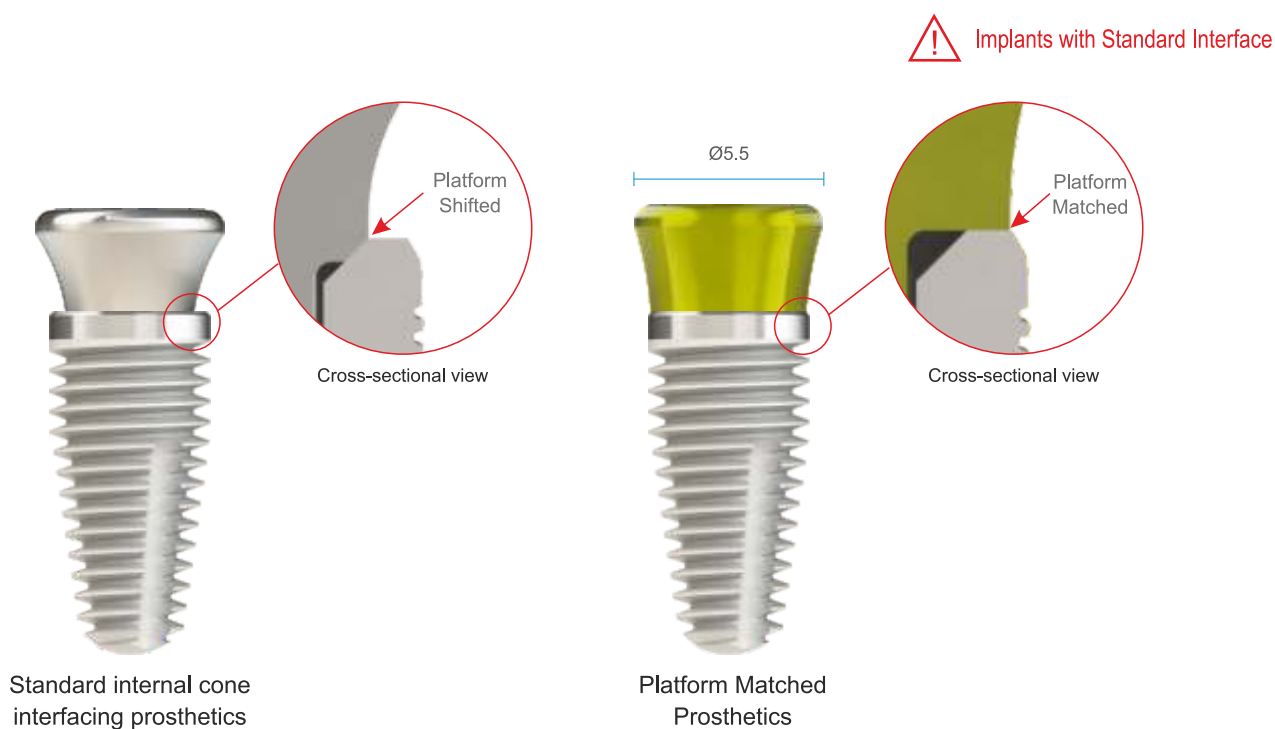
# **PLATFORM MATCHED PROSTHETICS**

for Ø5mm & Ø6mm implants

## PLATFORM MATCHED PROSTHETICS for Ø5mm & Ø6mm implants

In applications of the PROVATA® Ø5mm and PROMAX Ø6mm 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 maximum implant platform dimension, in order to give the single tooth prosthetics greater stability.

**Warning:** These Platform Matched Prosthetics are not compatible with PROVATA Ø4mm implants or PROVATA Co-Axis® implants.



Refer to page 6 for PROVATA Ø5.0mm & page 14 for PROMAX Ø6.0mm implant details.

## Surgical Components

### Cover Screw

CS-M



### Healing Abutments

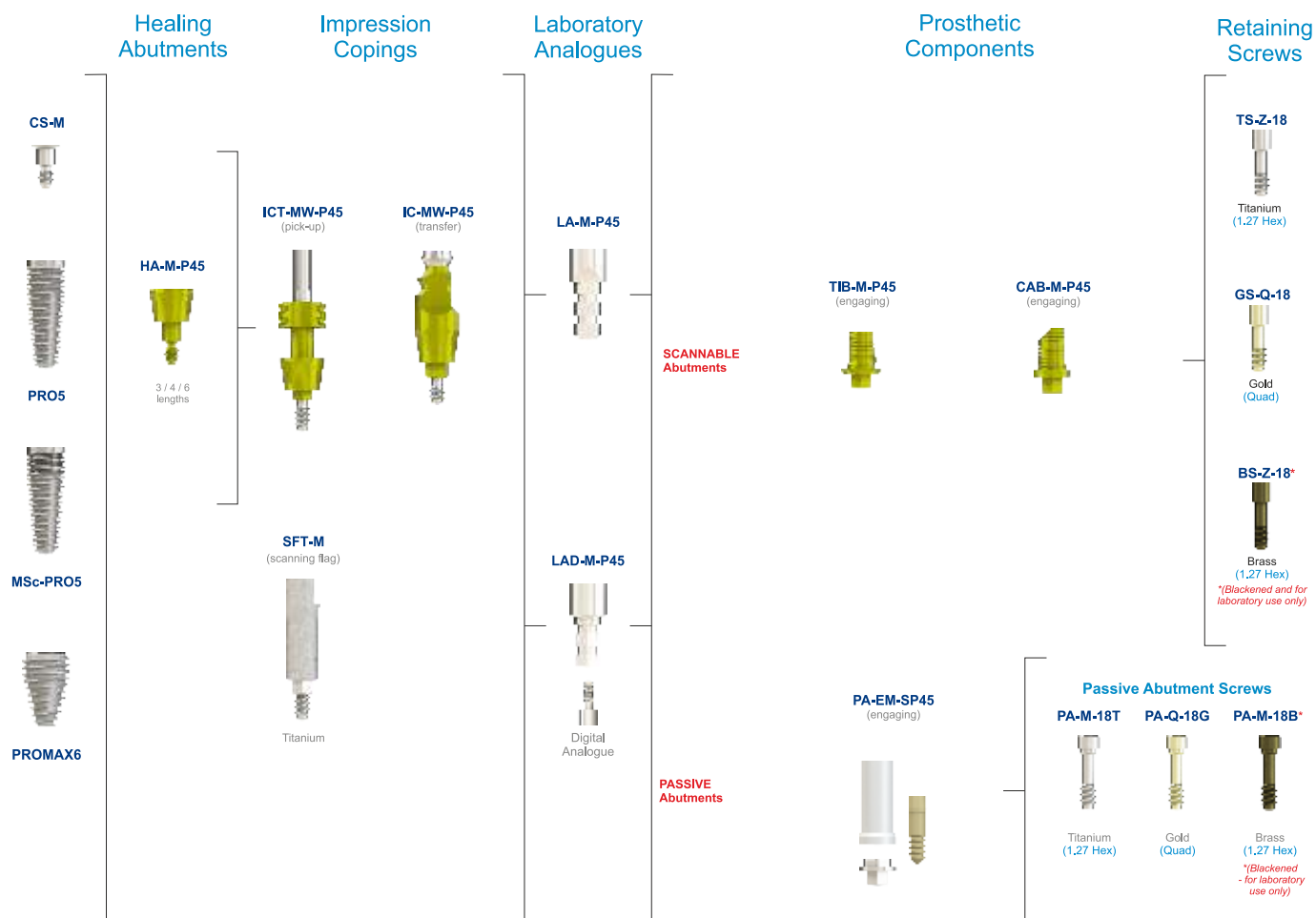
HA-M-P45



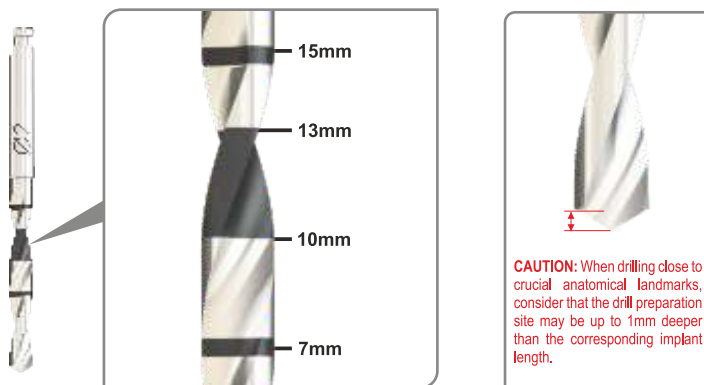
3/4/6 lengths

# Prosthetic Flowchart

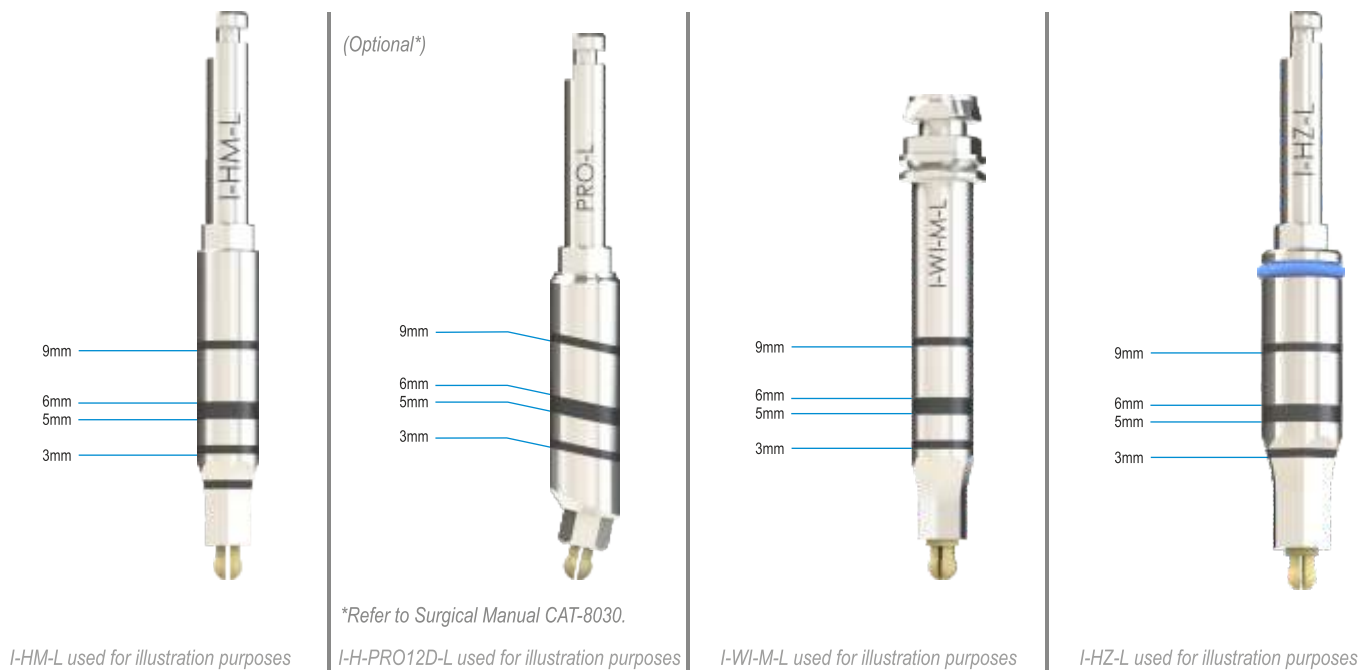
## Direct



## Twist Drill Markings



## INSERTION TOOL DEPTH MARKINGS









**NOTE:**

- Laser markings at 3mm, 5mm, 6mm and 9mm from implant platform.
- Refer to CAT-1201 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.









Drivers

HANDHELD		HANDPIECE		WRENCH	
UNIVERSAL 1.22/1.27	QUAD	UNIVERSAL 1.22/1.27	QUAD	UNIVERSAL 1.22/1.27	QUAD
					
I-HD-22U-S/M/L	I-QDI-S/M/L	I-HHD-22U-S/M/L	I-HQD-S/M/L	I-WI-22U-S/M/L	I-WI-QS/M/L

Abutment Drivers (for Compact Conical Abutments)

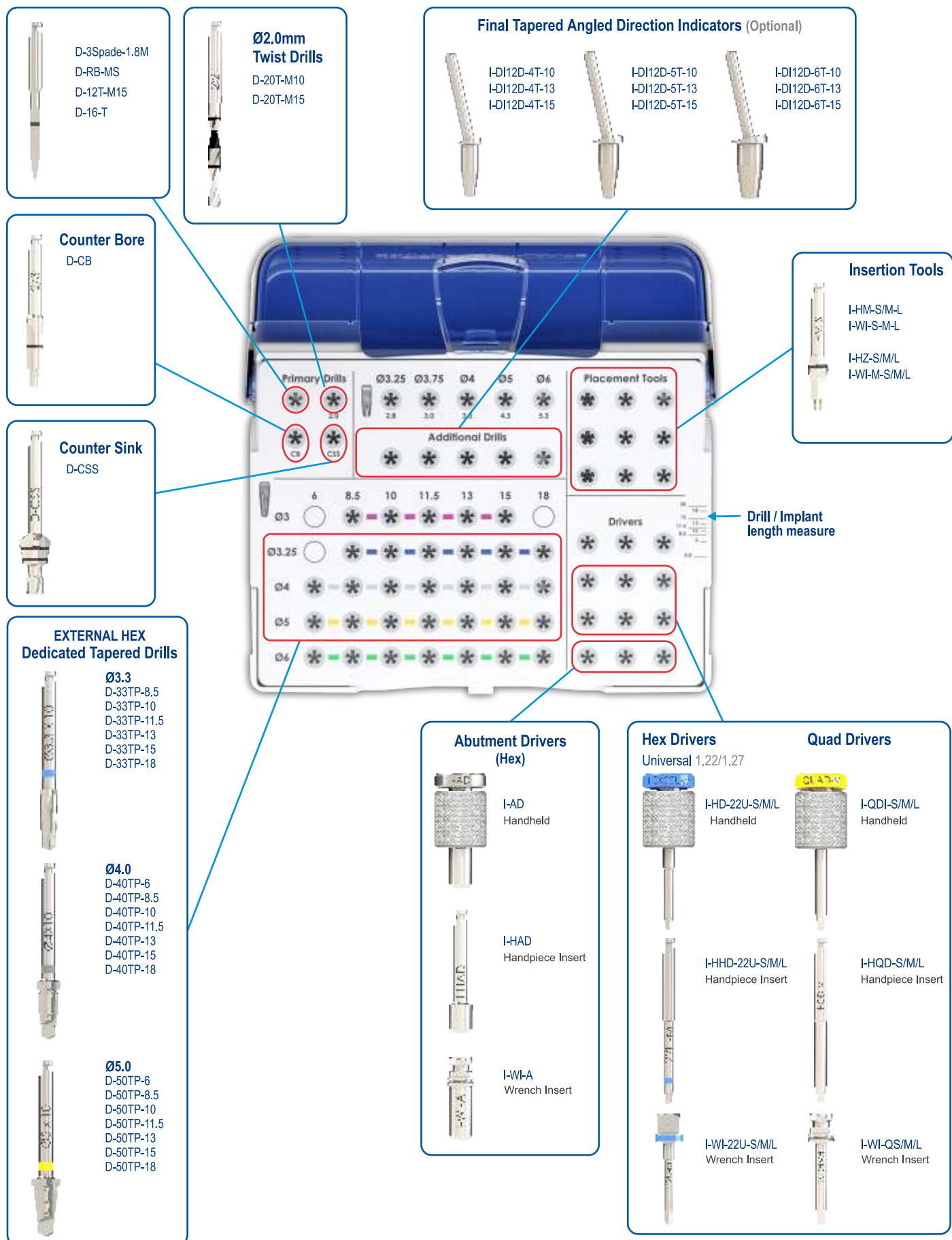
HANDHELD	HANDPIECE	WRENCH
		
I-AD	I-HAD	I-WI-A

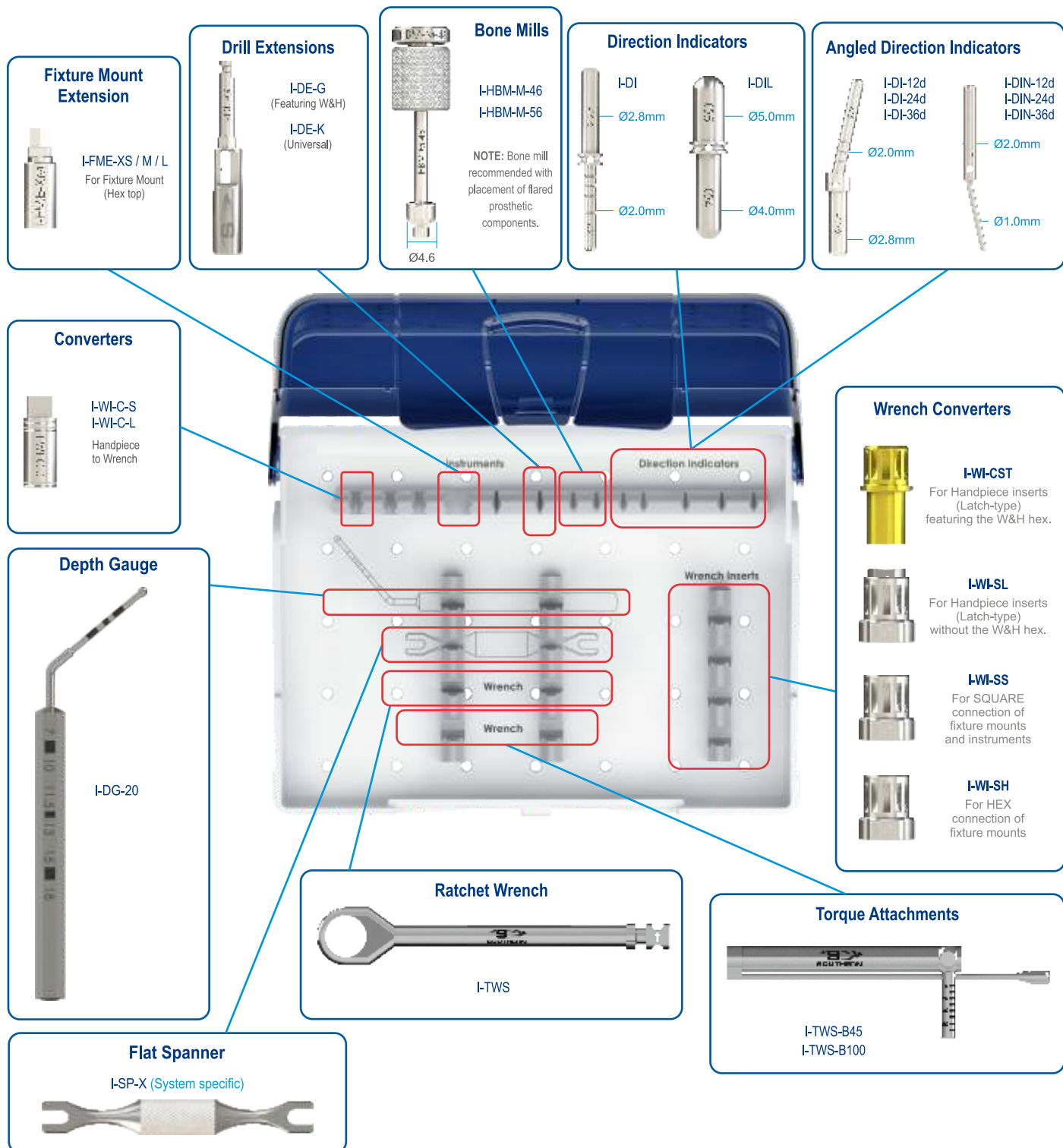
Driver Information for 1 Series Screws

UNIVERSAL 1.22/1.27	<p>HANDHELD</p>  <p>I-HD-22U-S/M/L</p>	<p>HANDPIECE</p>  <p>I-HHD-22U-S/M/L</p>	<p>WRENCH</p>  <p>I-WI-22U-S/M/L</p>
	<p>UNIGRIP</p>  <p>I-UGI-S/M/L</p>	 <p>I-HUG-S/M/L</p>	 <p>I-WI-UG-S/M/L</p>

Refer to CAT-1203 for alternative Drivers

## I-HEX-EG for surgical placement of PROVATA® Implants

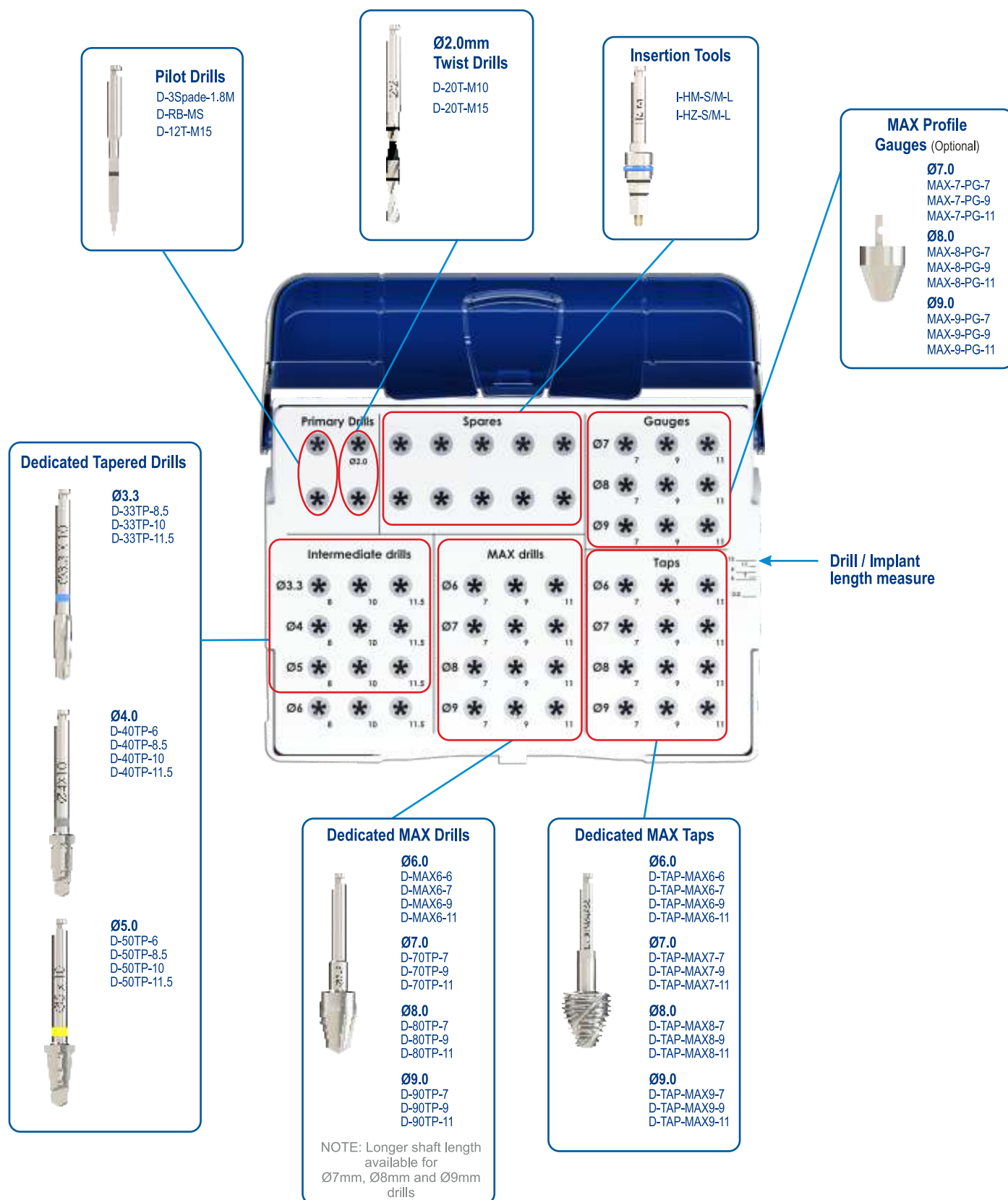


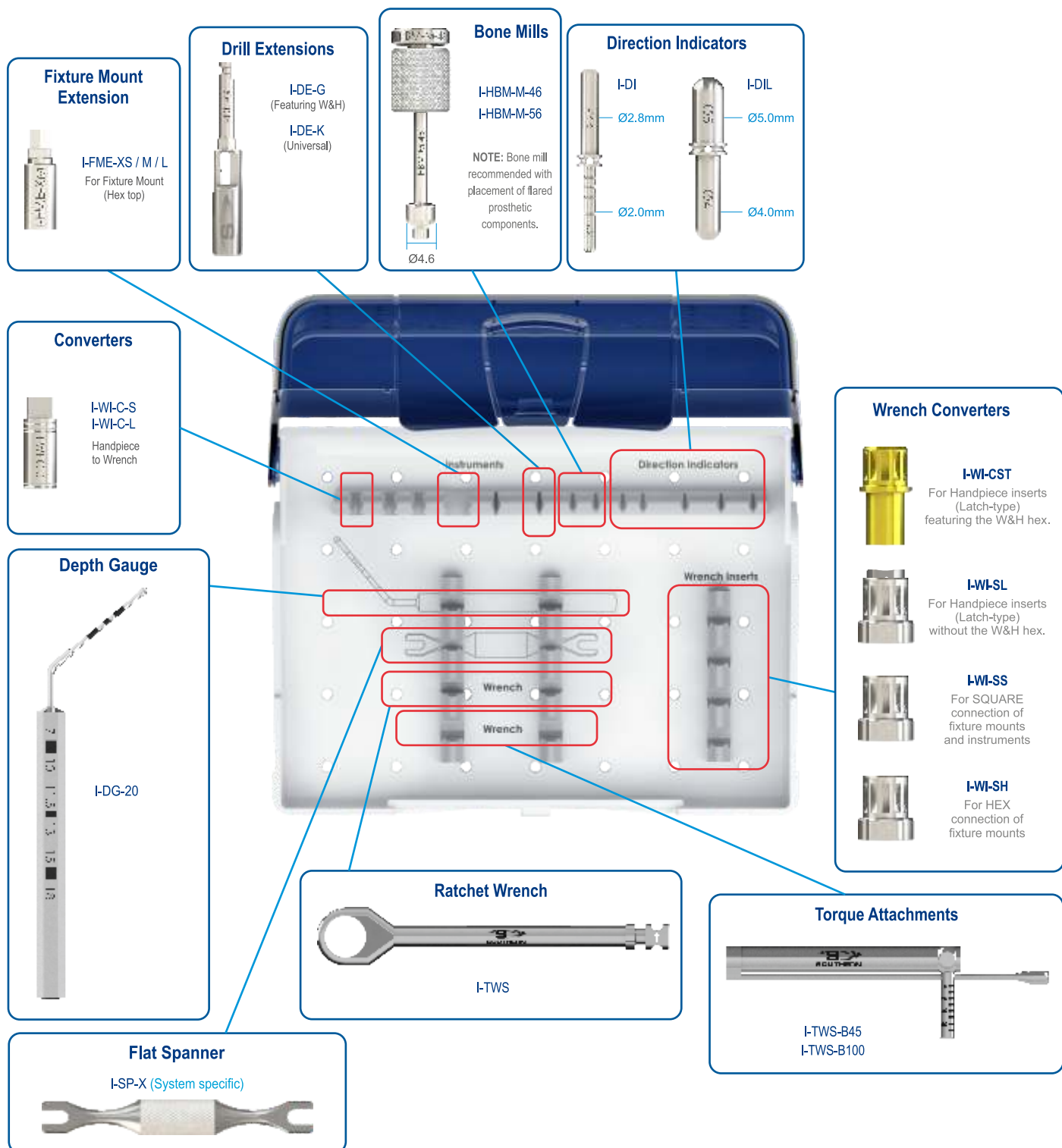


**NOTE:**

- 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, and cleaned and sterilized prior to use. Please consult the Southern Implants Cleaning and Sterilization Procedure Guidelines (CAT-1039) for guidance concerning the maintenance of drills, instruments, and surgical trays.

## I-MAX-EG for surgical placement of PROMAX Implants

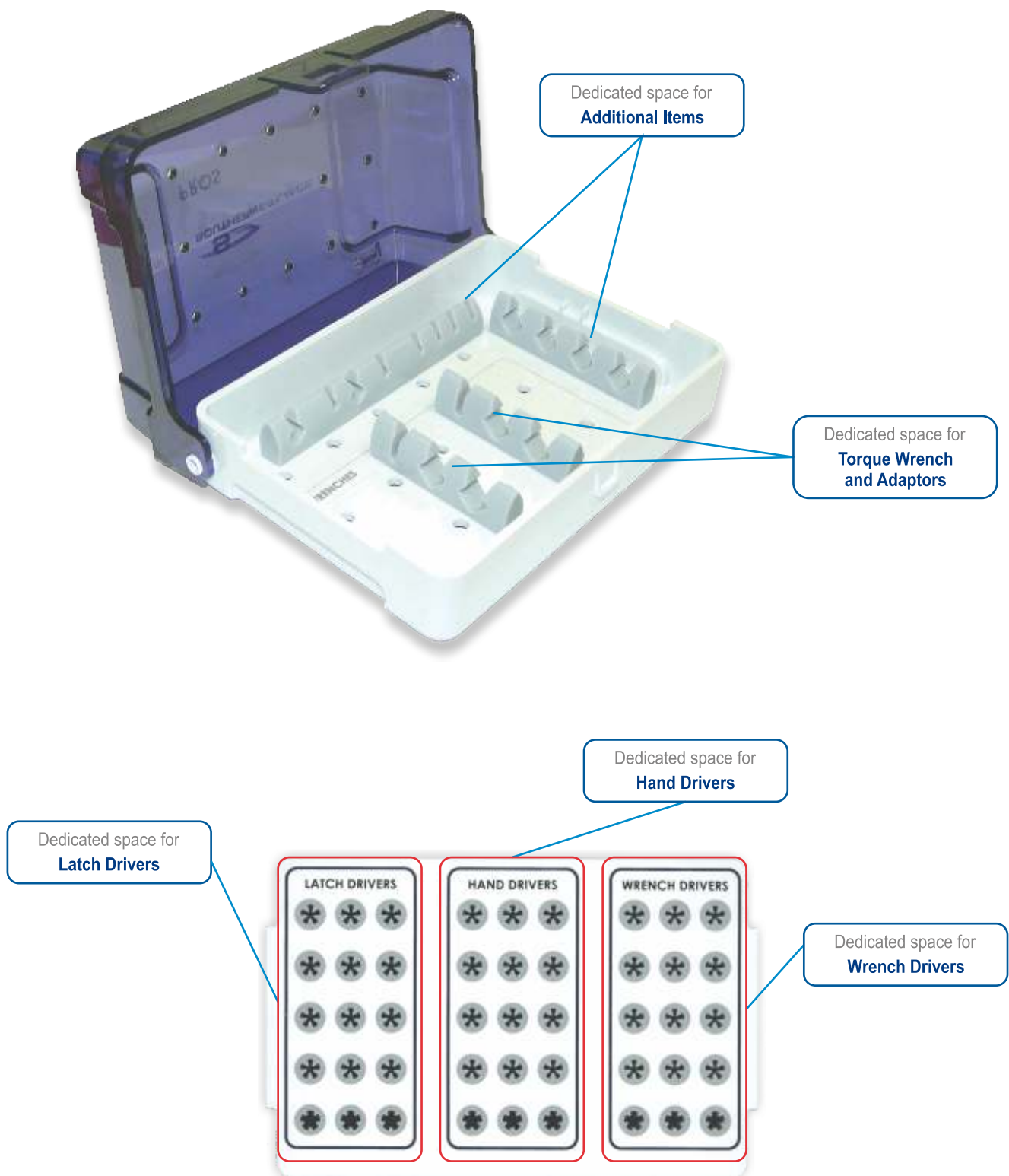




**NOTE:**

- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most Instruments available in various lengths.
- Profile Gauges available for Ø7.0mm, Ø8.0mm & Ø9.0mm implants only.
- All instruments and tooling used during the procedure must be maintained in good condition, and cleaned and sterilized prior to use. Please consult the Southern Implants Cleaning and Sterilization Procedure Guidelines (CAT-1039) for guidance concerning the maintenance of drills, instruments, and surgical trays.

### I-PROS-EG Prosthetic Instrument Tray



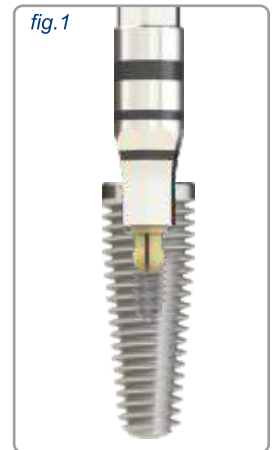
#### NOTE:

- 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 Placement Procedure for PROVATA® & PROMAX

1. The tools I-HM-S / M / L (*standard interface*) and I-HZ-M / L (*wide interface*) are 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. 1*) after attaching it to the fixture mount.
2. Once the implant is placed and the position verified, 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. 2*).



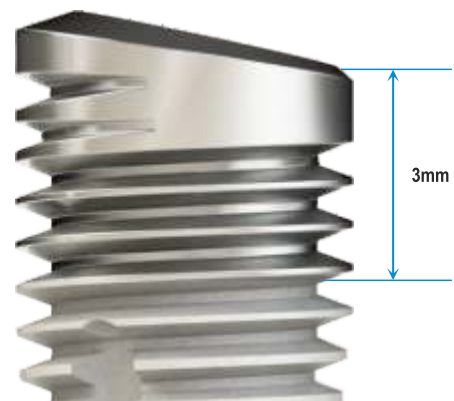
### MSc IMPLANTS DESCRIPTION


















#### 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, cardio-vascular disease)

The coronal machined surface area covers the top crestal 3mm of the implant.

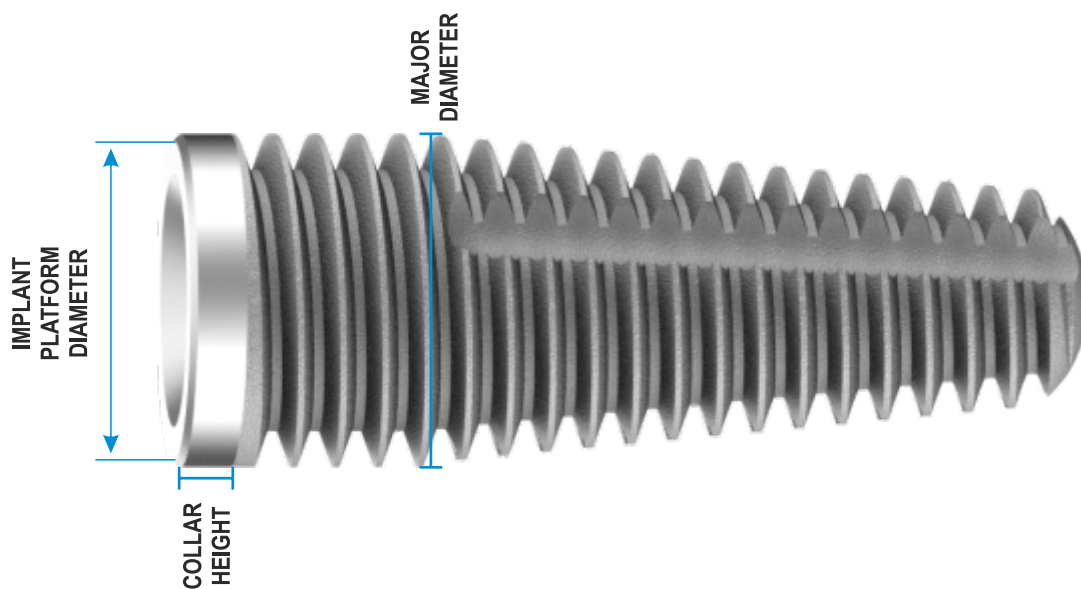
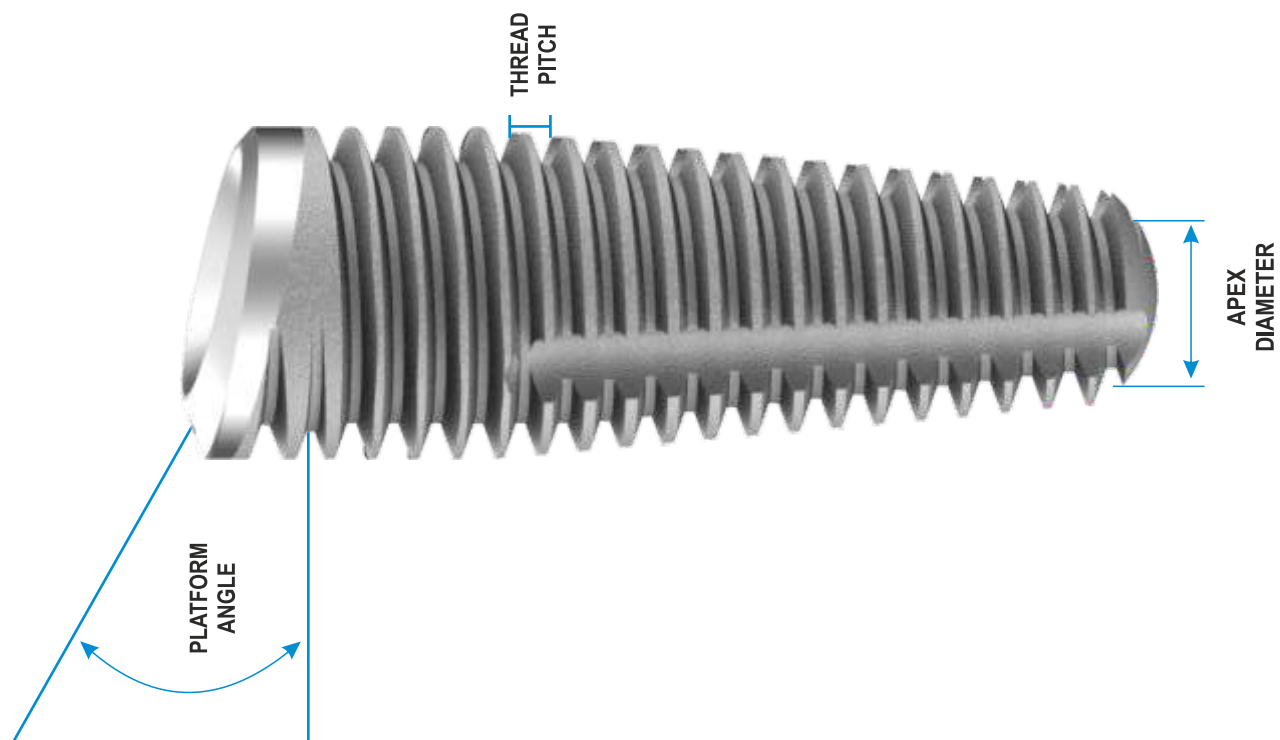


RANGE		IMPLANT LENGTH CODES															
	MAJOR DIAMETER	IMPLANT PLATFORM DIAMETER	PROSTHETIC DIAMETER	Prosthetics	HEX WIDTH (across flats)	COLLAR HEIGHT	THREAD PITCH	APEX DIAMETER	Cylindrical or Tapered C/T	PLATFORM ANGLE	8	10	11	13	15	18	
	PRO4	Ø4.0mm	4.07	3.87	3.6		2.44	0.6	0.6	2.6	✓	✓	✓	✓	✓	✓	
	MSC-PRO4	Ø4.0mm	4.07	3.87	3.6		2.44	0.6	0.6	2.6	✓	✓	✓	✓	✓	✓	
	PRO5	Ø5.0mm	4.70	4.5	3.6 / 4.5		2.44	0.6	0.6	3.13	✓	✓	✓	✓	✓	✓	
	MSC-PRO5	Ø5.0mm	4.70	4.5	3.6 / 4.5		2.44	0.6	0.6	3.13	✓	✓	✓	✓	✓	✓	
	PRO12D4	Ø4.0mm	4.07	3.75	3.6		2.44	0.6	0.6	2.6	✓	✓	✓	✓	✓	✓	
	MSC-PRO12D4	Ø4.0mm	4.07	3.75	3.6		2.44	0.6	0.6	2.6	✓	✓	✓	✓	✓	✓	
	PRO12D5	Ø5.0mm	4.70	3.75	3.6		2.44	0.6	0.6	3.13	✓	✓	✓	✓	✓	✓	
	MSC-PRO12D5	Ø5.0mm	4.70	3.75	3.6		2.44	0.6	0.6	3.13	✓	✓	✓	✓	✓	✓	
												7	9	11			
	PROMAX6	Ø6.0mm	6.0	4.5	3.6 / 4.5		2.44	0.25	0.8	3.0	✓	✓	✓				
	PROMAX7	Ø7.0mm	7.0	5.7	5.6		3.06	0.15	0.8	4.44	✓	✓	✓				
	PROMAX8	Ø8.0mm	8.0	6.5	5.6		3.06	0.25	0.8	3.94	✓	✓	✓				
	PROMAX9	Ø9.0mm	9.0	7.5	5.6		3.06	0.25	0.8	4.94	✓	✓	✓				

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

Not all products are cleared for sale in all countries.





TORQUE TABLE FOR SOUTHERN SCREWS

1.27 Hex Prosthetic screws

Quad Prosthetic screws



TS-Z-18



BS-Z-18\*



GS-Q-18

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

1.27 Hex Passive Abutment screws

Quad Passive Abutment screws



PA-M-18T



PA-M-18G



PA-M-18B\*



PA-Q-18G

TORQUE:  
32Ncm  
Head Diameter:  
2.60mm

Digital Laboratory Analogue screw

TIB Abutment screw

1.22 Hex



LAD-S

TORQUE:  
Finger tighten  
Head Diameter:  
2.40mm

NOTE: Screw supplied with all Digital Analogues

1.22 Hex



TS-IT-TIB

TORQUE:  
32-40Ncm  
Head Diameter:  
2.40mm

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.
- \* Blackened and for laboratory use only.

Screw Head Connections

Hex



Quad











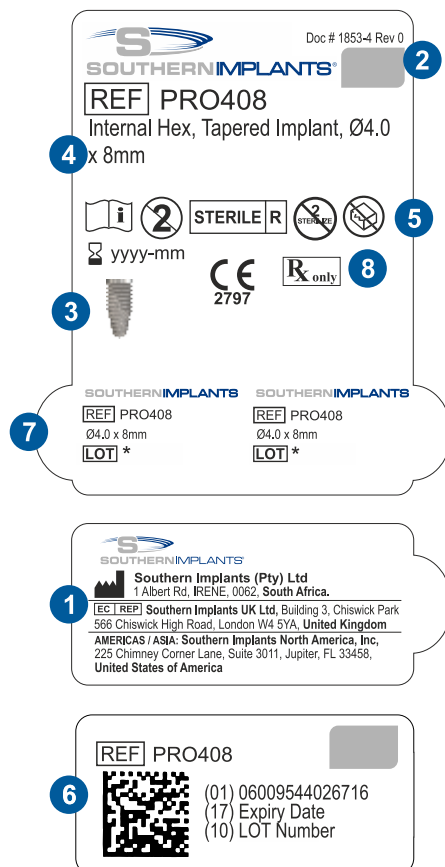
Unigrip



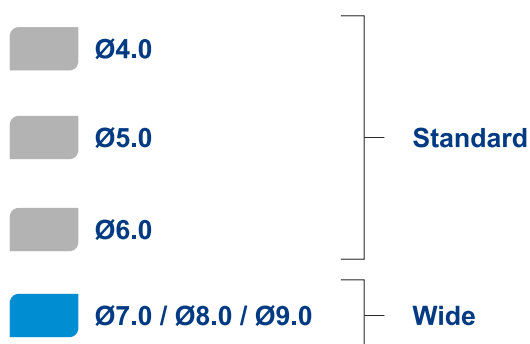
## EXPLANATION OF LABELING SYMBOLS

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

- 1  **Manufacturer**
- 2  **Colour code indicating implant interface**
- 3 **Implant image**
- 4 **Implant details and size**
- 5  **Sterilization using Irradiation**
  -  **Do not Resterilize**
  -  **Consult instruction for use**
  -  **Do not reuse**
  -  **CE mark and notified body number**
  -  **Expiry date**
  -  **Sterile unless package is opened or damaged**
- 6 **2D Bar coding**  
Contains the GTIN, Expiry 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.



### Platform Interface



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



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CAT-2060-02 (C1032)