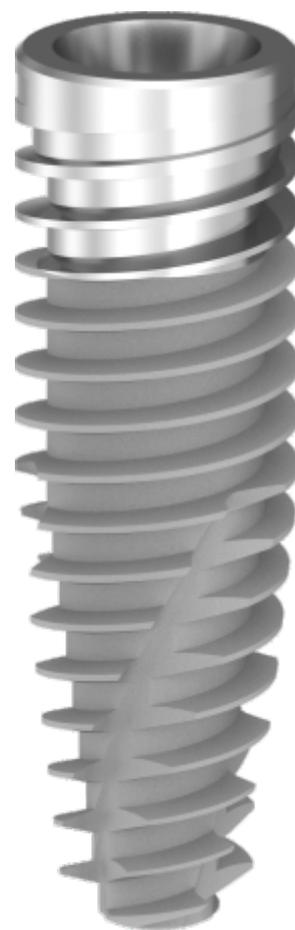




**SOUTHERNIMPLANTS®**

Innovative Treatment Solutions

**Single Platform** Implants  
Product Catalogue





Southern Implants® is a leading provider of unique and innovative dental implant products with a focus on top-end professional users who want more choices. Southern's expertise in research, development and manufacturing of dental implants allows us to provide Innovative Treatment Solutions that will reduce treatment times and improve patient outcomes.

Striving for excellence and meeting customer needs, has led to our wide product range characterised by Unique and Innovative products which include:

- Multiple interfaces, to suit customer preference.
- INVERTA® implant, featuring a Body-Shift™ design, engineered for primary stability and suitable for immediate loading.
- Co-Axis®, Subcrestal Angle Correction® implants, available in angulations of 12°, 24° and 36° and various internal and external connections.
- MAX implant, specifically designed for immediate molar tooth replacement.
- The ZYGAN®, ZYGEX and ZYGIN implants for severely resorbed maxilla and craniofacial reconstruction.
- The Machined Surface Coronally (MSC) dental implant surface treatment offers practitioners an innovative way to take advantage of the best characteristics of both smooth and moderately rough implant surfaces.

Our product portfolio is in synchronised evolution with protocol improvements and technological advances.

My sincere thanks to all specialists, dentists and technicians who put their trust in our company.

  
**Graham Blackbeard**  
Managing Director, Southern Implants

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For more information scan the below



or visit

[SOUTHERNIMPLANTS.COM](http://SOUTHERNIMPLANTS.COM)

## Ø3.5 mm / Ø4.0 / Ø5.0 mm Implants



Ø3.5 mm

MSC-SP35xx



Ø4.0 mm

MSC-SP40xx



Ø5.0 mm

MSC-SP50xx

(where xx is implant length)

### Implants are available in lengths of:

**NOTE:** implant dimensions and information - page 13.

ITEM CODE	IMPLANT LENGTHS (in mm)
MSC-SP35	08 / 10 / 11 / 13 / 16 / 18 / 20
MSC-SP40	08 / 10 / 11 / 13 / 16 / 18 / 20 / 22 / 24
MSC-SP50	08 / 10 / 11 / 13 / 16 / 18

### Site Preparation Sequence

(illustrations are for 11 mm implants)

#### Ø3.5 mm implants (MSC-SP35xx)

Soft Bone



Dense Bone



#### Ø4.0 mm implants (MSC-SP40xx)

Soft Bone



Dense Bone



#### Ø5.0 mm implants (MSC-SP50xx)

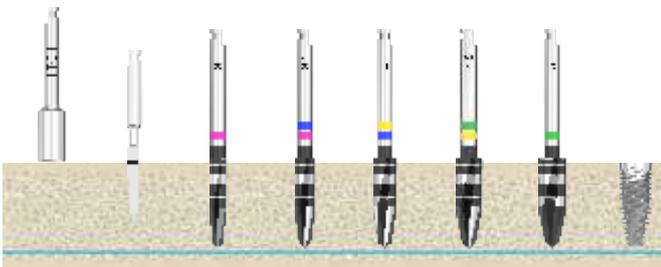
Soft Bone



Dense Bone



HTC1/HTC5  
D-3Spade-1.8M  
Ø3.0 mm  
Ø3.5 mm  
Ø4.0 mm  
Ø4.5 mm  
Ø5.0 mm



**NOTE:** site preparation sequence recommended by Southern Implants® does not replace the judgement and experience of the surgeon.

### Surgical Components

#### Cover Screw

CS-SP



#### Healing Abutments

HA-SP45-x.x

Ø4.5



2.5/3.5/4.5/5.5  
lengths

HA-SP50-x.x

Ø5.0



2.5/3.5/4.5/5.5  
lengths

(where x is length)

**DIRECT**

**Healing Abutments**

HA-SP45-x.x



2.5/3.5/4.5/5.5

HA-SP50-x.x



2.5/3.5/4.5/5.5

(where x is collar height)

**Impression Copings**

IC-SP45 (pick-up)



ICT-SP45 (transfer)



IC-SP50 (pick-up)



ICT-SP50 (transfer)



SFT-SP (scanning filig)



Titanium

**Laboratory Analogues**

LAD-SP



(analogue and digital)

**Prosthetic Components**

TC-SP (engaging)



1.5 mm

1.5 mm collar

TC-NSP (non-engaging)



1.5 mm collar

\*Packaged with titanium screw

SIB-SP-43C1.5 (engaging)  
SIB-NSP-43C1.5 (non-engaging)



Ø4.3 platform  
1.5 mm collar

SIB-SP-43C3 (engaging)  
SIB-NSP-43C3 (non-engaging)



Ø4.3 platform  
3 mm collar

\*Packaged with titanium screw

SIB-SP-48C3 (engaging)  
SIB-NSP-48C3 (non-engaging)



Ø4.8 platform  
3 mm collar

SIB-SP-48C5 (engaging)  
SIB-NSP-48C5 (non-engaging)



Ø4.8 platform  
5 mm collar

TIB-SP-C1.5 (engaging)



1.5 mm collar

TIB-SP-C3 (engaging)



3 mm collar

\*Packaged with titanium screw

TIB-NSP-C1.5 (non-engaging)



1.5 mm collar

TIB-NSP-C3 (non-engaging)



3 mm collar

Angulated Screw Channel Abutment

ASC-SP



(packed with screw)

PASSIVE Abutment 5-Piece Kit

PA-SP (engaging)  
PA-NSP (non-engaging)



1 mm

(packed with screw)

ASC Abutment Screw

TS-SP-ASC



Titanium

Torque 20 Ncm

Passive Abutment Screws

PA-SP-16T



Titanium

TORQUE: 32 Ncm  
Head diameter: 2.40 mm

PA-SP-16B



Brass\*

\*(Blackened and for laboratory use only)  
(finger tighten)

**Retaining Screws**

TS-SP-16



Titanium

Torque: 32 Ncm  
Head diameter: 2.0 mm

BS-SP-16



Brass\*

\*(Blackened and for laboratory use only)

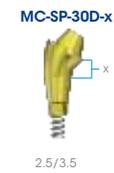
NOTE: refer to CAT-1189 for Equator overdenture abutments.

**INDIRECT**

**Compact Conical Abutment**



Packed with TS-SP-MC  
Screw torque: 20 Ncm



Packed with TS-SP-MC  
Screw torque: 20 Ncm  
(where x is collar height)

**Healing Caps**



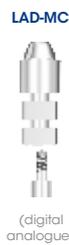
OR



**Impression Copings**



**Laboratory Analogues**



**Prosthetic Components**



**Retaining Screws**



**Screw Head Connection**

**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.

In applications of the SP1 Ø5 mm implants, the platform matched approach is recommended. This approach uses the maximum implant platform dimension, in order to give the single tooth prosthetics greater stability.

The platform matched approach is indicated when:

- restoring a single posterior tooth.
- the patient is known to have a very strong bite and bruxism is present.
- the occlusal table of the crown will be significantly larger than that of the implant and abutment (Fig. 1).
- excessive cantilevers can't be avoided (Fig. 2).

**Warning:** these platform matched prosthetics are not compatible with SP1 Ø3.5 or Ø4 mm implants.

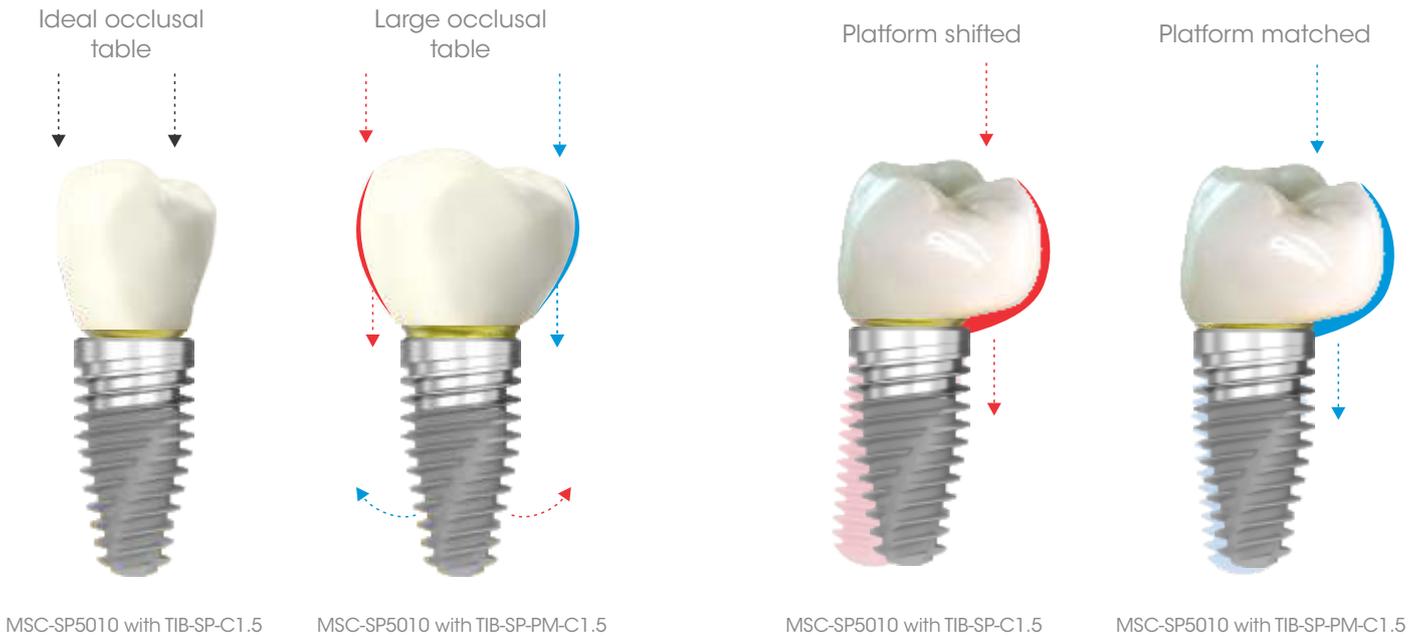
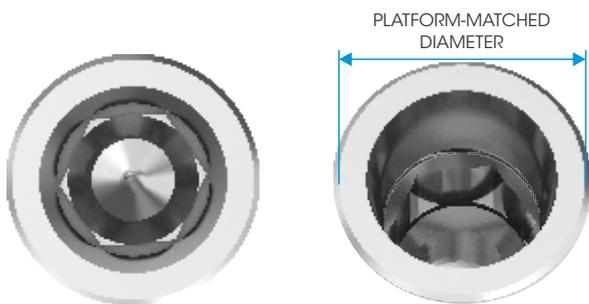
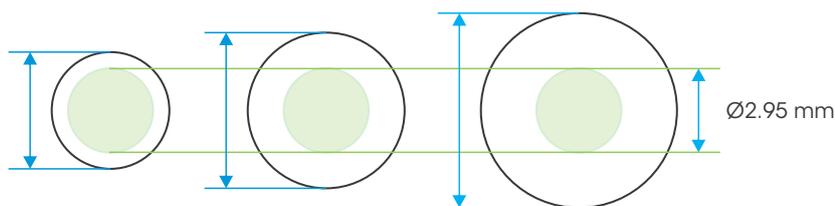


Fig. 1: with large occlusal tables, maximise the platform dimension with platform matched components.

Fig. 2: excessive cantilevers - use platform matched components to compensate for non-ideal crown-implant ratios.

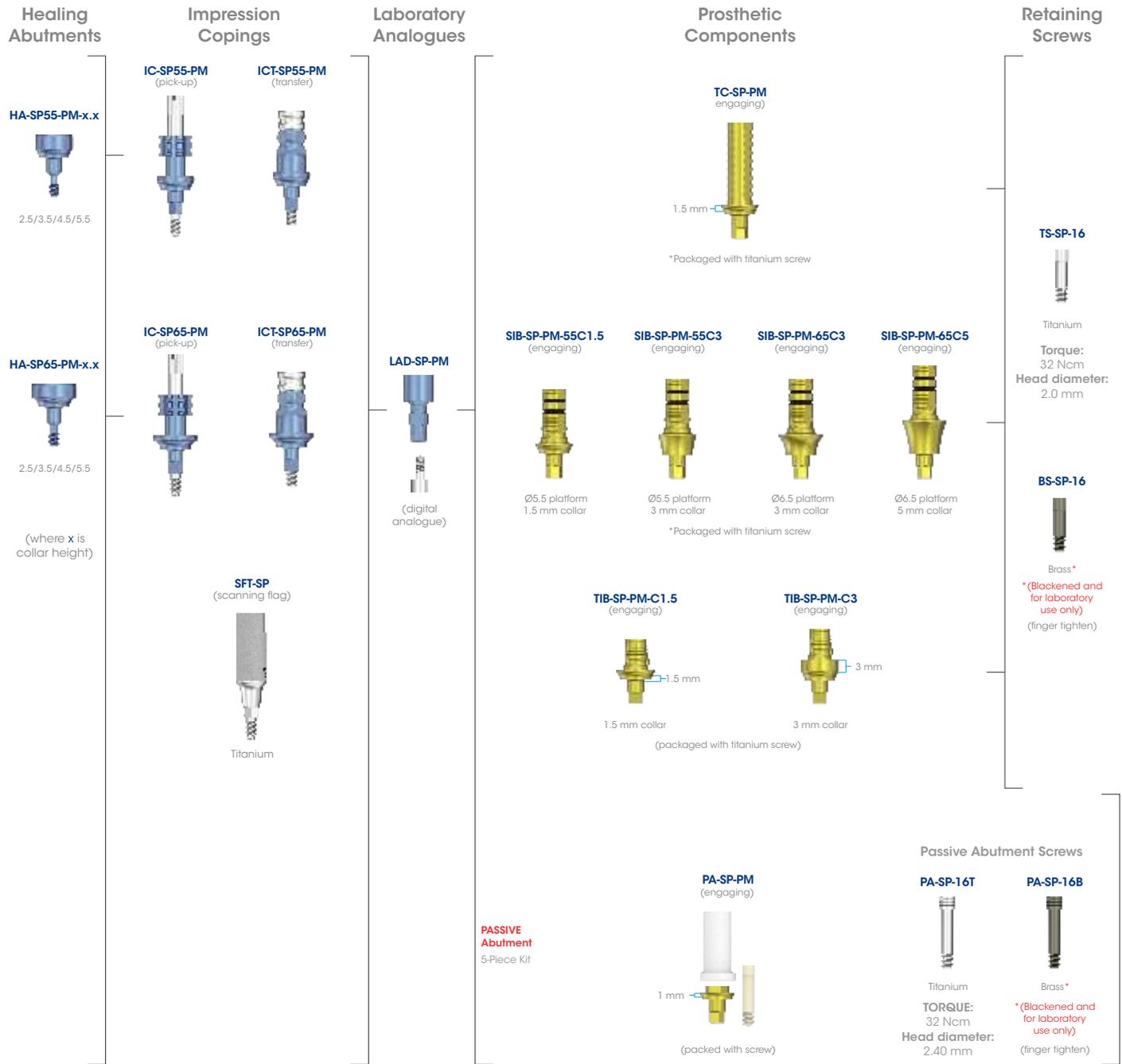


The SP1 interface offers the benefits of one of the most popular implant connection systems: the internal cone and the internal hex. The internal hex is machined for maximum rotational stability and provides excellent tactile sensibility during placement and connection of prosthetic parts.



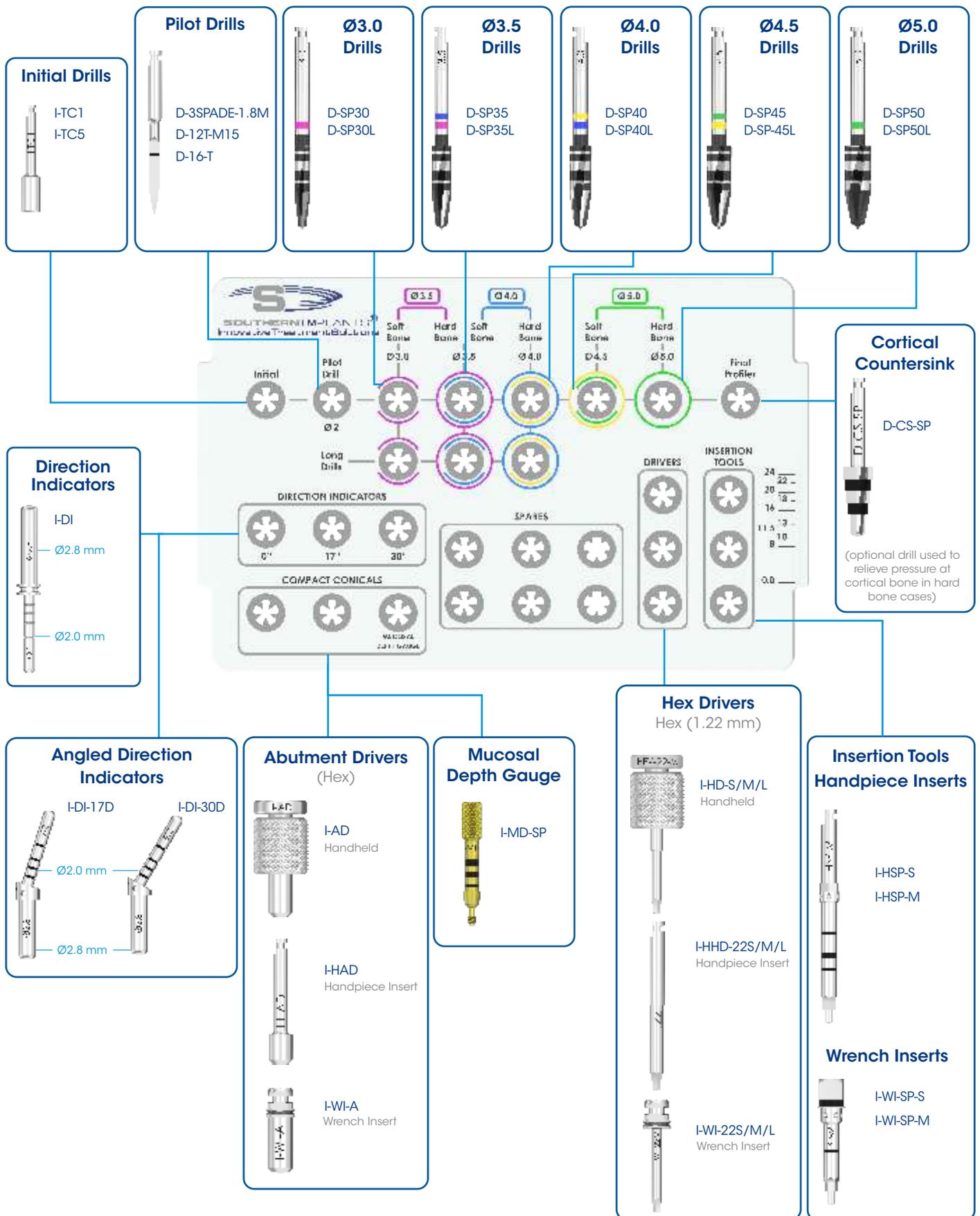
The body thread of the implants features a double start, enabling a more aggressive thread pitch without compromising bone-implant contact area. This promotes higher primary stability, even in soft bone.

**DIRECT**

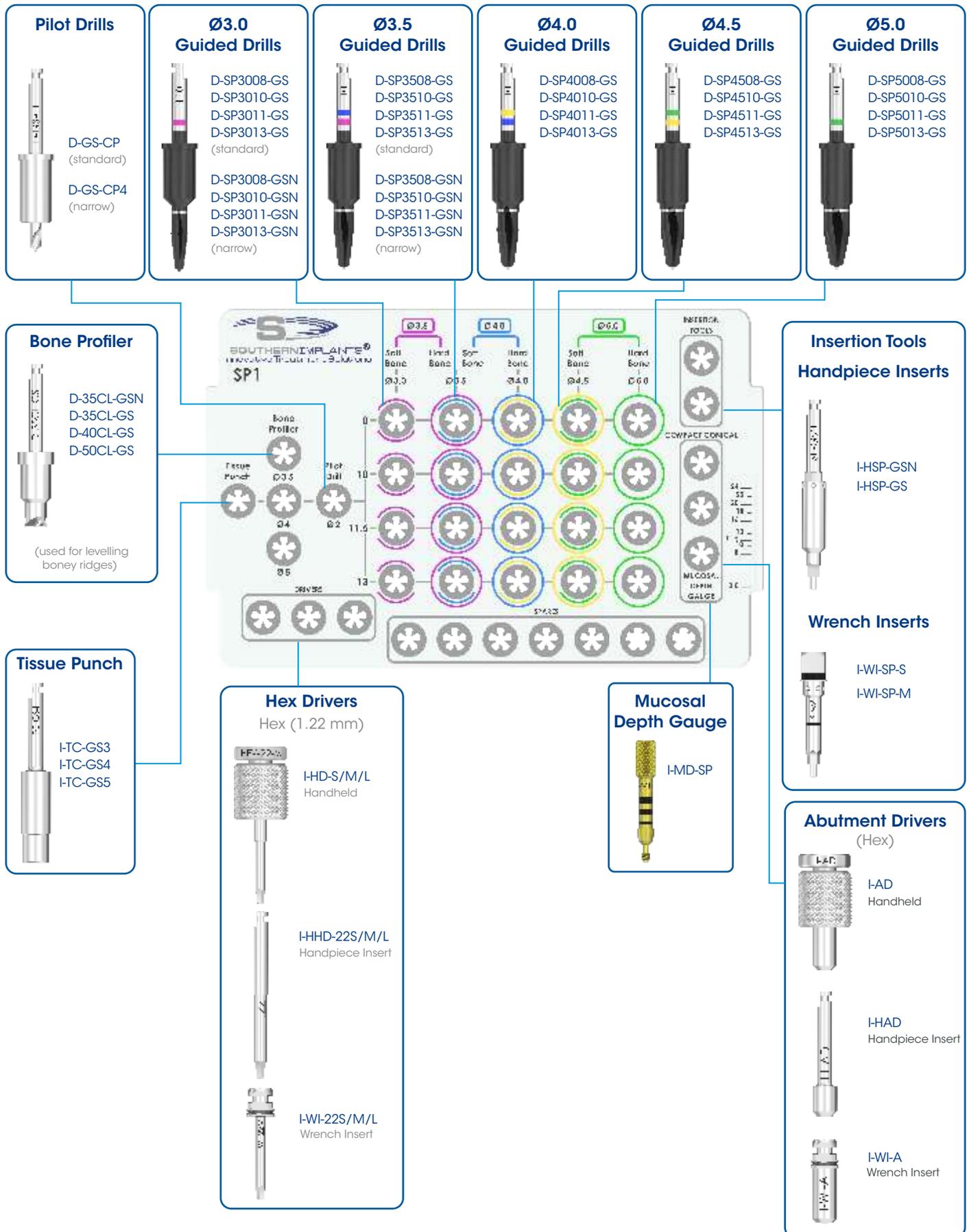


NOTE: refer to CAT-1189 for Equator overdenture abutments.

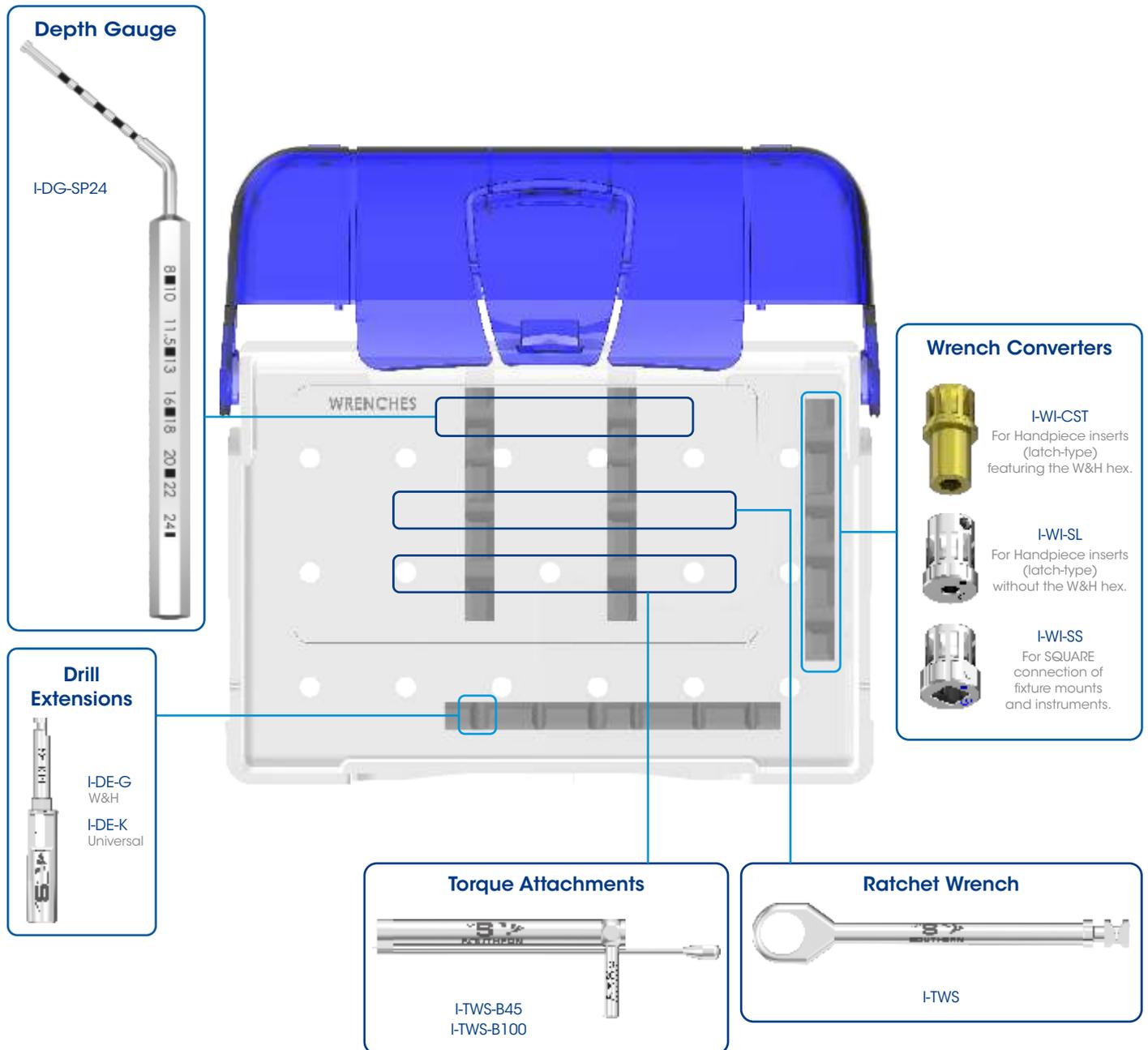
TOP TRAY



TOP TRAY



BOTTOM TRAY

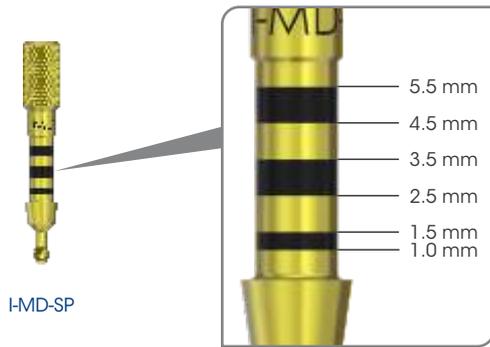


**NOTE:**

- 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 sterilised 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.

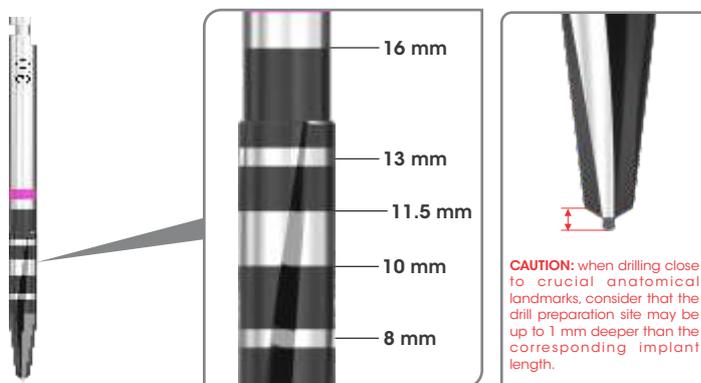
## Instruments

### Mucosal Depth Gauge markings



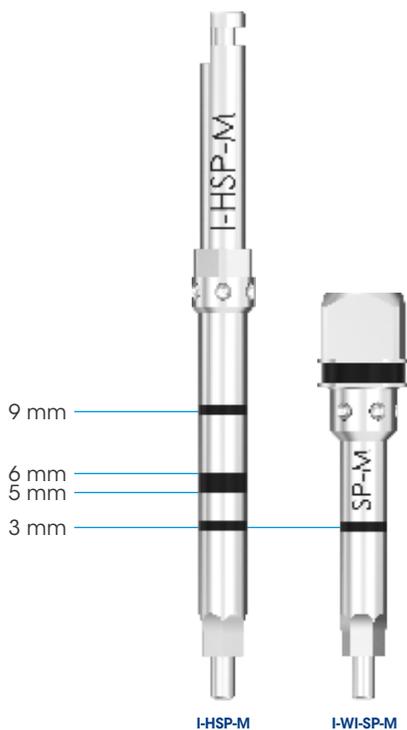
## Drills

### Tapered drill markings



## Placement Tools

### Placement tool depth markings

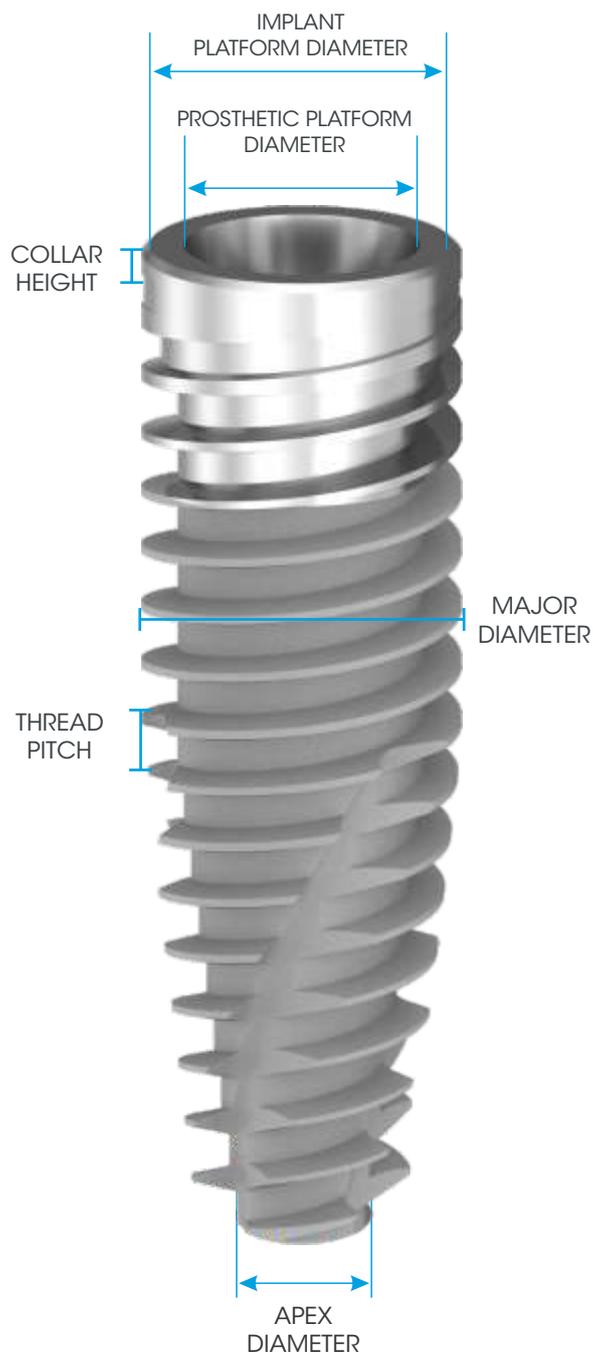


**NOTE:** laser markings at 3 mm, 5 mm, 6 mm and 9 mm from implant platform.

## IMPLANT DIMENSIONS AND INFORMATION

RANGE	MAJOR DIAMETER	IMPLANT PLATFORM DIAMETER	PROSTHETIC DIAMETER	HEX WIDTH (across flats)	MSC SURFACE	THREAD PITCH (double start)	APEX DIAMETER	IMPLANT LENGTHS										
								8	10	11.5	13	16	18	20	22	24		
MSC-SP35xx	Ø3.5 mm	3.5	3.3	2.95	2.0	3.0	1.50	2.85	✓	✓	✓	✓	✓	✓	✓			
MSC-SP40xx	Ø4.0 mm	4.0	3.8	2.95	2.0	3.0	1.50	3.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MSC-SP50xx	Ø5.0 mm	5.0	4.5	2.95*	2.0	3.0	1.50	3.2	✓	✓	✓	✓	✓	✓				

\* 4.50 when utilising platform matched componentry.



**NOTE:**

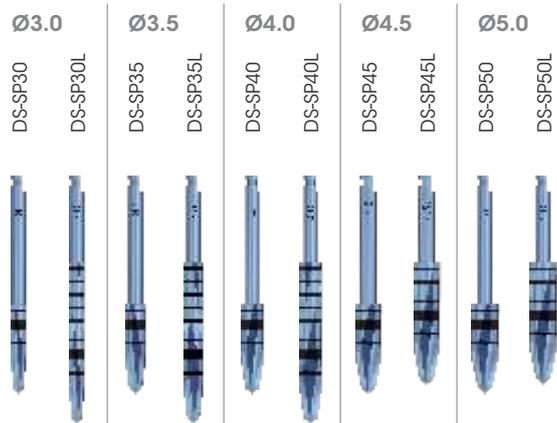
- all dimensions in this catalogue are in mm, unless otherwise specified.
- not all products are cleared for sale in all countries.

## DRILL INFORMATION

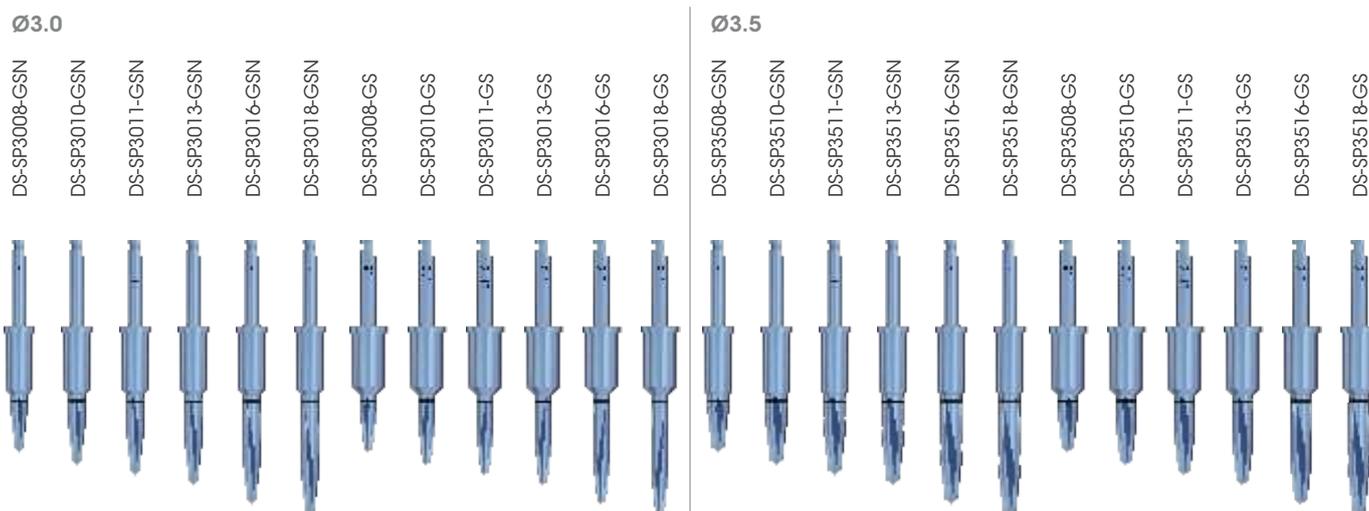
The SP1 single use drills are manufactured from grade 5 titanium and anodised blue.

These drills are indicated for single use per single patient.

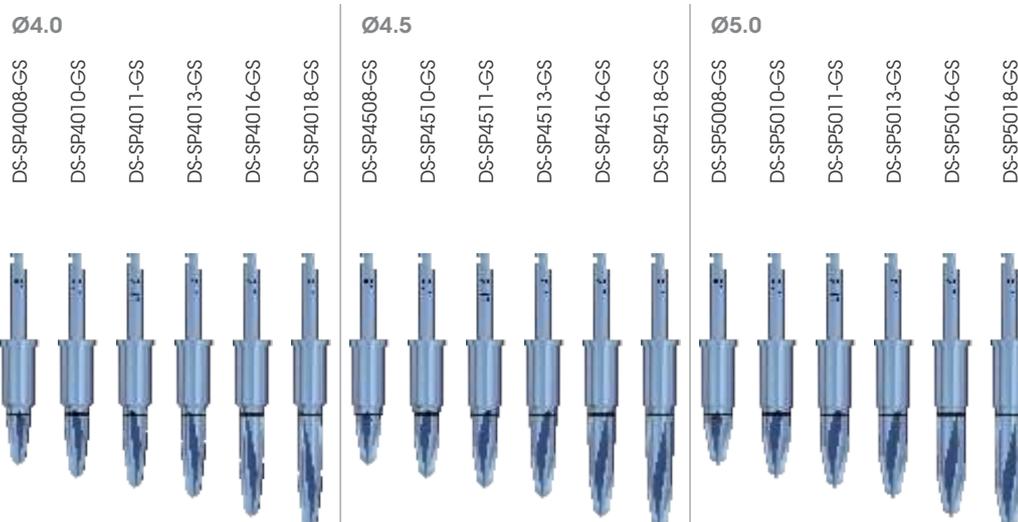
### Single use drills (Freehand Surgery)



### Single use drills (Guided Surgery)



**NOTE:** narrow guided surgery sleeves are indicated with GSN and standard sleeves with GS.

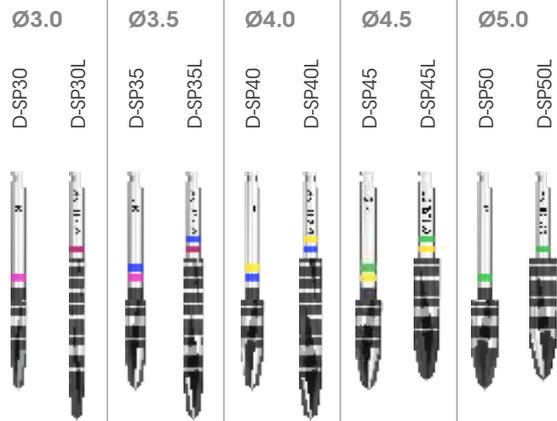


## DRILL INFORMATION

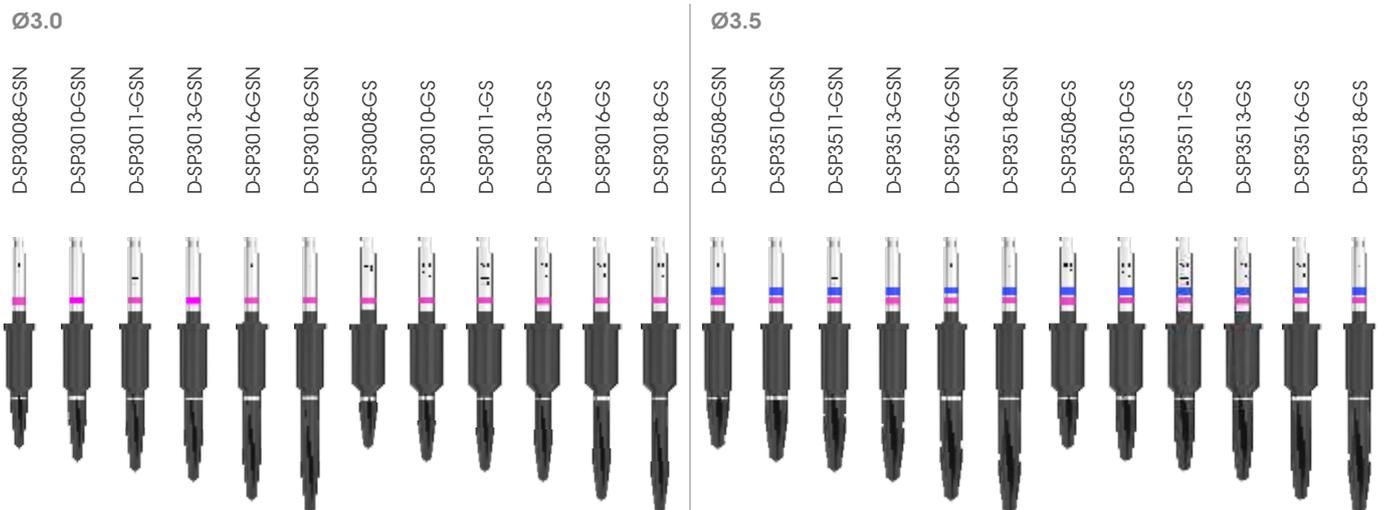
The SP1 reusable drills are manufactured from grade 5 titanium with an Aluminium Titanium Nitrate (AlTiN) coating.

These drills are indicated for 10 uses, can be resterilised and are packed non-sterile.

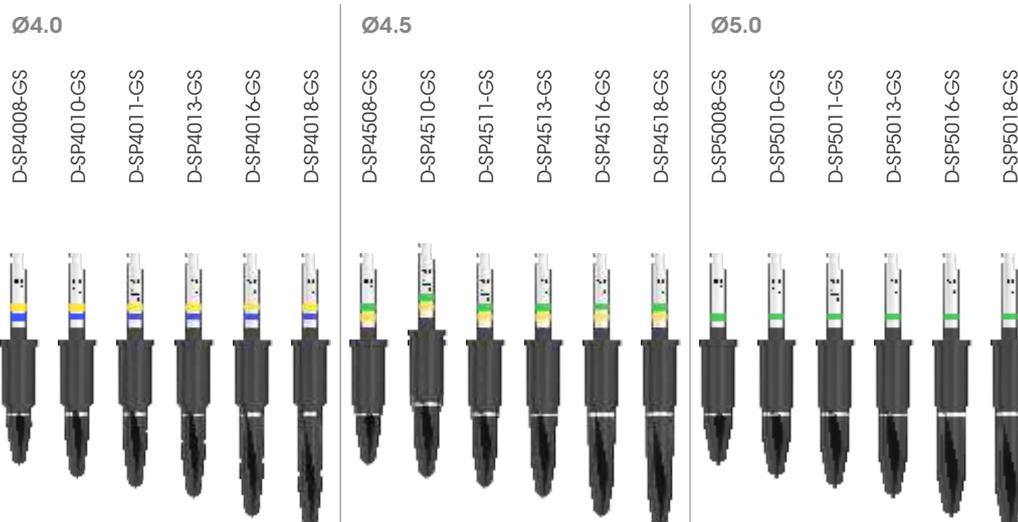
### Reusable drills



### Reusable drills (Guided Surgery)



NOTE: narrow guided surgery sleeves are indicated with GSN and standard sleeves with GS.



# SINGLE PLATFORM

Environmental  
sustainability



## Expanding Simplicity

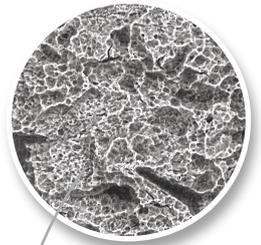
### Thread and body design to give predictable stability

Dual start, deep apical threads with plentiful space for bone between threads, leads to consistent placement.



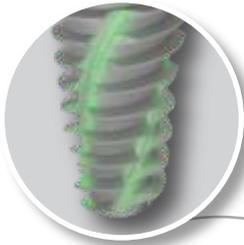
### Sinergy surface

With over 25 years of clinical results.



### Spiral flute to balance self-tapping and compression

Designed to control insertion torque and optimise stability.



### A combination of two trusted implant connections:

**Internal cone** (8° off the vertical axis) which Southern has been using for over 20 years, provides a tight abutment seal.

Long **Internal Hex** facilitates tactile feel during the placement of prosthetic components placement of prosthetic components.



#### References

Chouirfa, H., Bouloussa, H., Migonney, V. and Falentin-Daudré, C., 2019. Review of titanium surface modification techniques and coatings for antibacterial applications. *Acta biomaterialia*, 83, pp.37-54.  
Gilbert M, Matthys C, Van Lancker A, Segers A, De Bruyn H. A Long-Term Split-Mouth Randomized Controlled Trial to Assess Implant Treatment Outcome Using Implants with a Different Surface Roughness. *Applied Sciences*. 2024; 14(4):1658

### 3 mm MSC section

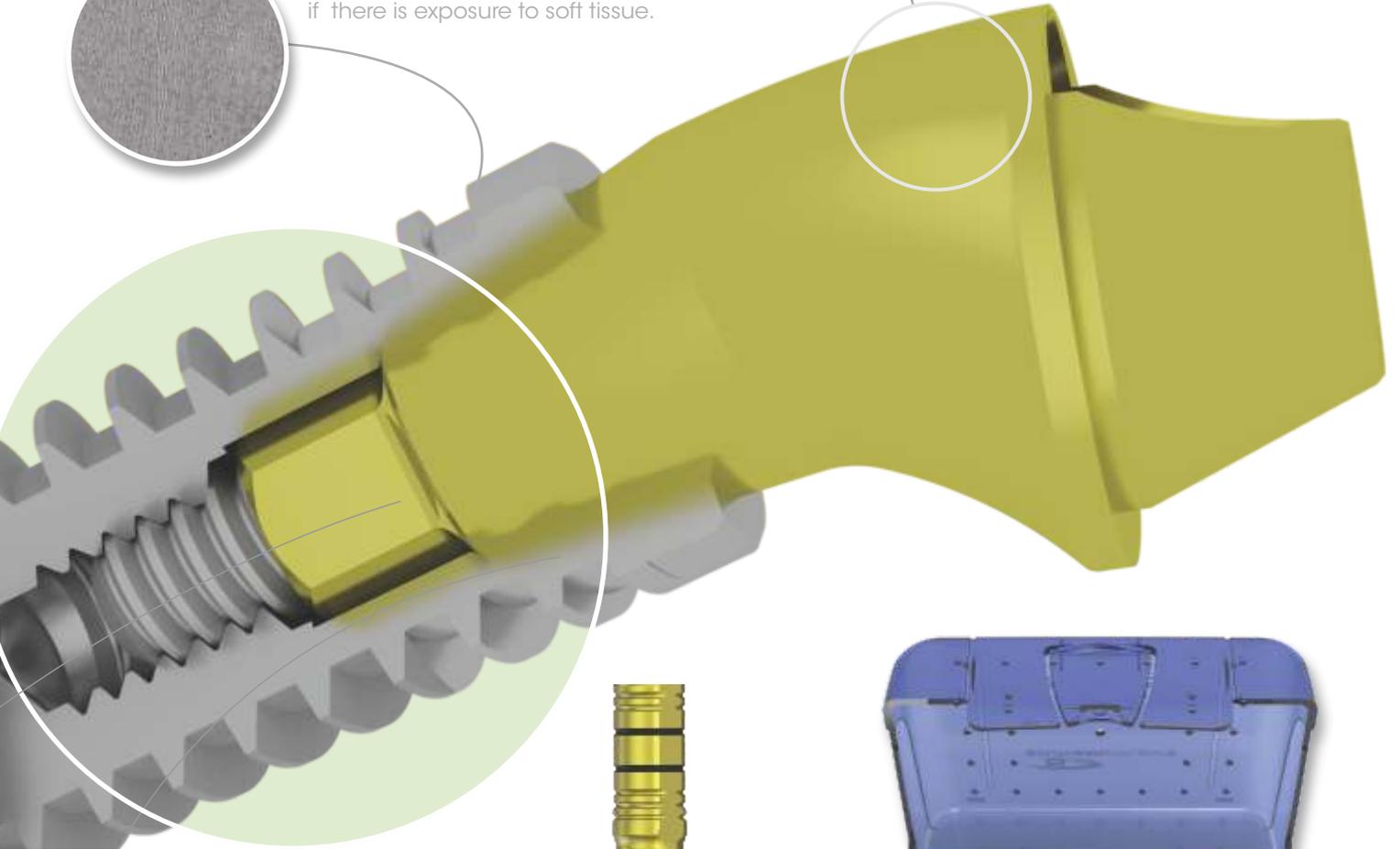
Machined Surface Coronally implants offer a predictable treatment alternative compared to moderately rough implants.<sup>2</sup>

MSC implants provide peace of mind to both clinicians and patients, knowing it's resilience if there is exposure to soft tissue.

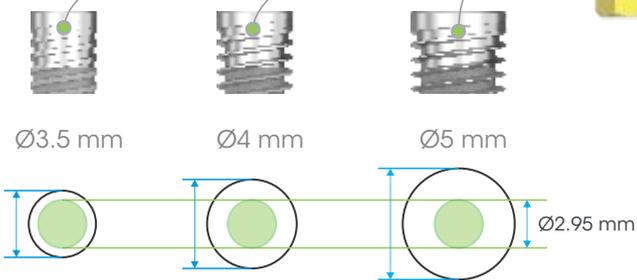


### Titanium nitride coated

Indicated to reduce early bacterial colonisation, biofilm formation and enhance fibroblast cell proliferation and attachment.<sup>1</sup>



### One prosthetic platform across all implant diameters



Platform matching available for the Ø5 mm range.



### Better subgingival emergence profiles

Aids soft tissue health and longevity.



### Guided surgery and drills

#### Simplified Implant Planning and Guided Surgery Procedures

Achieved through the use of ONE fixed offset.

#### Simplified Surgery

Utilise ONE surgical kit for all procedures.

#### Simplified Full Arch Prosthetics

Made possible by the ONE-size prosthetic platform.

# SOUTHERN'S Sustainability Goals

*Our journey towards a more sustainable future.*



## More than 300kW generated

Enabling entire  
manufacturing facility to run  
**Off-Grid!**



## Over 1000 Solar Panels

Spread across our facility in  
Irene, South Africa.



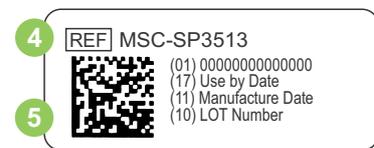
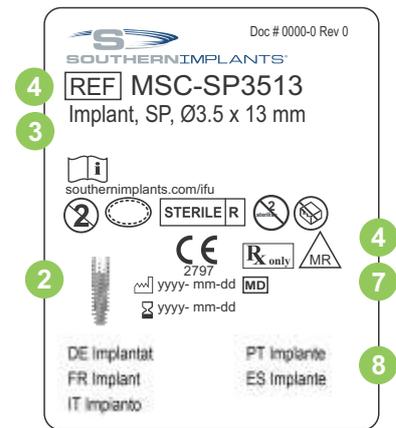
## New Cardboard Packaging

New packaging in our new  
SP1 range decreases our  
**Carbon Footprint.**

## 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  Sterilisation using Irradiation
-  European Representative
-  Catalogue number
-  Batch Code
-  Do not Resterilise
-  Consult instruction for use
-  Do not reuse
-  CE mark and notified body number
-  Use by Date
-  Date of manufacture
-  Do not use if package is damaged
-  Identifies the product as a medical device
-  MR Conditional / Magnetic Resonance Conditional
-  Single sterile barrier system
-  Double sterile barrier
- 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.**
- 8 **Product description**  
(translated as per international standards)



For more information on Instructions for Use of our products, please scan the below,



or visit our website  
[southernimplants.com/ifu](http://southernimplants.com/ifu)

## Platform Interface

 **Standard Interface**  
(implants and prosthetics)

 **Ø5.0 mm Platform Matched**  
(implants)

 **Platform Matched**  
(prosthetics)

For more information scan the below



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