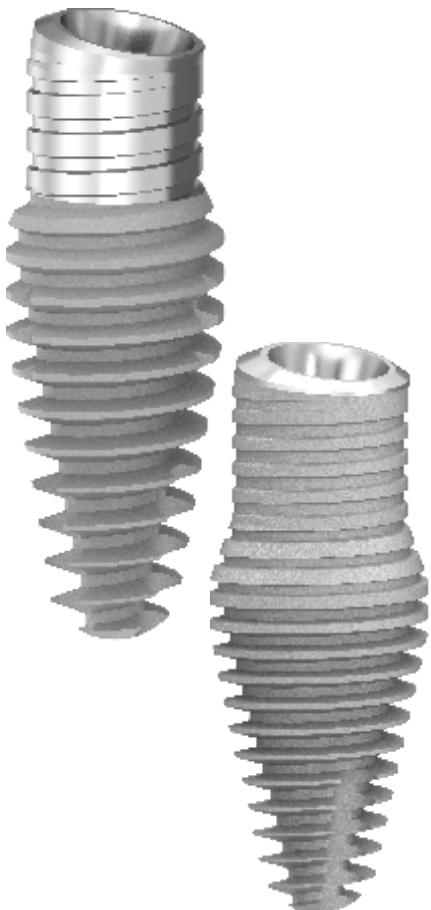




Innovative Treatment Solutions

## **DEEP CONICAL** **INVERTA®** 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®, ZYGIN 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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## REGULAR and CO-AXIS®

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For more information scan the below



or visit

**SOUTHERNIMPLANTS.COM**

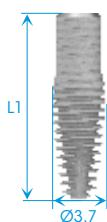
**NOTE:**

- 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.

**DEEP CONICAL INVERTA®**

Regular

**Ø3.0 mm - Ø3.7 mm**



IV-DC30-37xx



IVM-DC30-37xx

(where **xx** is implant length)

## Implant Range

**NOTE:** implant dimensions and information - page 25.

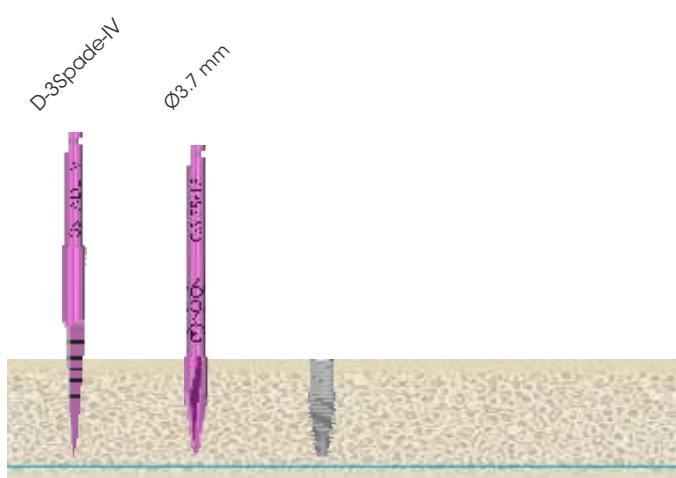
### Regular implants

ITEM CODE	IMPLANT LENGTHS (in mm) L1	
IV-DC30-3708	IVM-DC30-3708	8.0
IV-DC30-3710	IVM-DC30-3710	10.0
IV-DC30-3711	IVM-DC30-3711	11.5
IV-DC30-3713	IVM-DC30-3713	13.0
IV-DC30-3715	IVM-DC30-3715	15.0

## Site Preparation Sequence

**Ø3.0 mm - Ø3.7 mm**  
(IV-DC30-37xx)

Soft and Medium Bone



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

## Surgical Components

### Cover Screw



### Healing Abutments



HA-DC3-Nx

Ø3.0



HA-DC3-X

Ø3.5



HA-DC3-Wx

Ø4.0

### TOP Healing Abutments



HA-PKC2-DC3

(laterals)

PEEK  
(packaged with retaining screw)

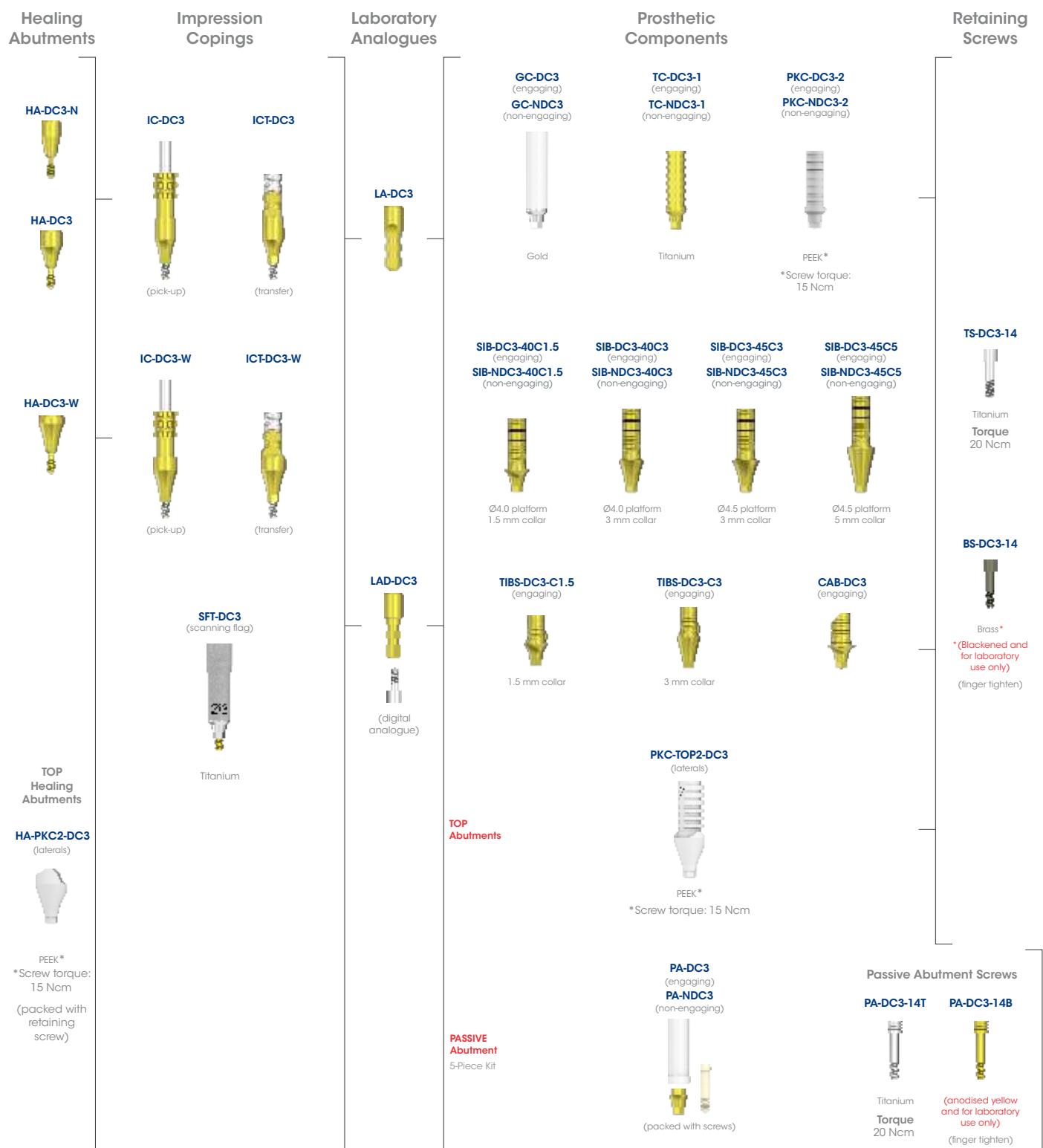
(where **x** is length)

**NOTE:** TORQUE to 10 Ncm ONLY.

# Prosthetic Flowchart

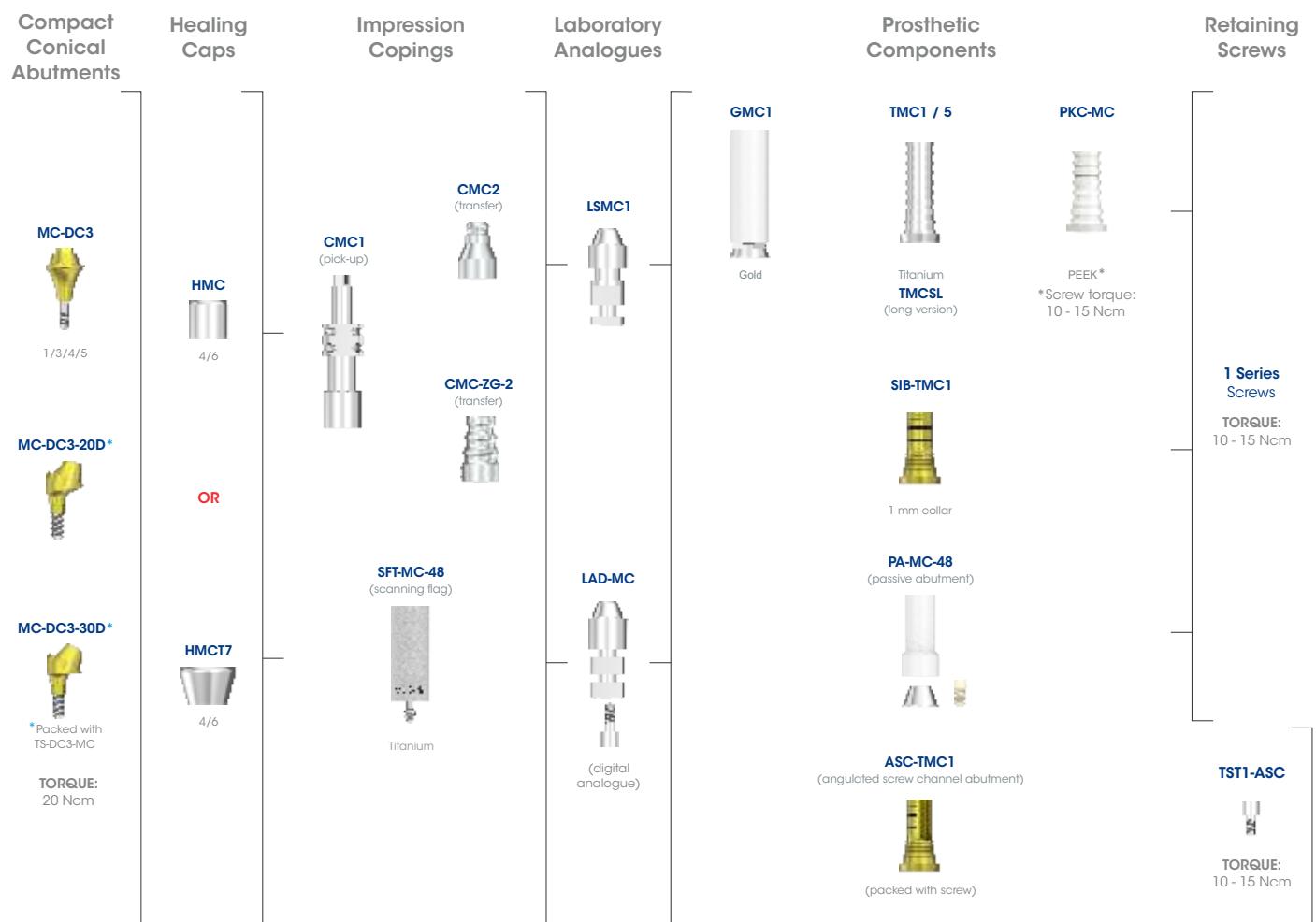
Ø3.0 mm DC3 Interface

## DIRECT



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

## INDIRECT



## DEEP CONICAL INVERTA®

Regular

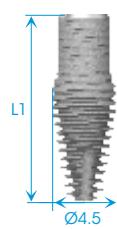
**Ø3.5 mm - Ø4.5 mm**

**Ø4.0 mm - Ø5.0 mm**

Co-Axis®

**Ø3.5 mm - Ø4.5 mm**

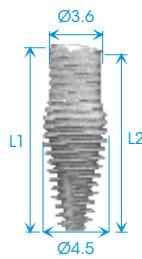
**Ø4.0 mm - Ø5.0 mm**



IV-DC35-45xx



IVM-DC35-45xx



IV-DC3512D-45xx



IVM-DC3512D-45xx

(where xx is implant length)

## Implant Range

### Regular implants

ITEM CODE		IMPLANT LENGTHS (in mm) L1
IV-DC35-4508	IVM-DC35-4508	8.0
IV-DC35-4510	IVM-DC35-4510	10.0
IV-DC35-4511	IVM-DC35-4511	11.5
IV-DC35-4513	IVM-DC35-4513	13.0
IV-DC35-4515	IVM-DC35-4515	15.0

### Co-Axis® implants

(premounted with a fixture mount)

ITEM CODE		IMPLANT LENGTHS (in mm) L1	L2
IV-DC3512D-4511	IVM-DC3512D-4511	11.5	10.86
IV-DC3512D-4513	IVM-DC3512D-4513	13.0	12.36
IV-DC3512D-4515	IVM-DC3512D-4515	15.0	14.36

NOTE: all Co-Axis® implants are packed with fixture mount.  
See page 24 for additional information.

NOTE: implant dimensions and information - page 25.

## Site Preparation Sequence

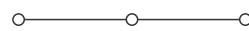
(illustrations are for 13 mm implants)

### Ø3.5 mm - Ø4.5 mm Tapered (IV-DC35-45xx)

Soft and Medium Bone



Dense Bone

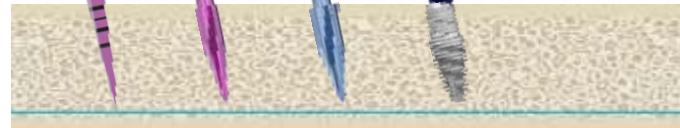
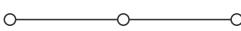


### Ø3.5 mm - Ø4.5 mm Tapered Co-Axis® (IV-DC3512D-45xx)

Soft and Medium Bone



Dense Bone



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

## Surgical Components

### Cover Screw

CS-DC4



### Healing Abutments

HA-DC4-N2



HA-DC4x



HA-DC4-Wx



### TOP Healing Abutments

HA-PKC1-DC4



HA-PKC2-DC4



HA-PKC3-DC4

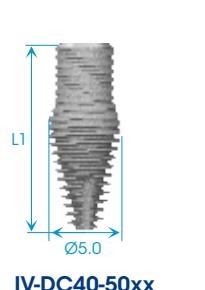


HA-PKC4-DC4



NOTE: TORQUE to 10Ncm ONLY.

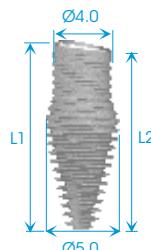
PEEK  
(packaged with retaining screw)  
(where x is length)



IV-DC40-50xx



IVM-DC40-50xx



IV-DC4012D-50xx



IVM-DC4012D-50xx

(where xx is implant length)

## Implant Range

### Regular implants

ITEM CODE		IMPLANT LENGTHS (in mm) L1
IV-DC40-5008	IVM-DC40-5008	8.0
IV-DC40-5010	IVM-DC40-5010	10.0
IV-DC40-5011	IVM-DC40-5011	11.5
IV-DC40-5013	IVM-DC40-5013	13.0
IV-DC40-5015	IVM-DC40-5015	15.0

### Co-Axis® implants

(premounted with a fixture mount)

ITEM CODE		IMPLANT LENGTHS (in mm) L1	L2
IV-DC4012D-5011	IVM-DC4012D-5011	11.5	10.86
IV-DC4012D-5013	IVM-DC4012D-5013	13.0	12.36
IV-DC4012D-5015	IVM-DC4012D-5015	15.0	14.36

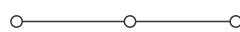
NOTE: all Co-Axis® implants are packed with fixture mount.  
See page 24 for additional information.

## Site Preparation Sequence

(illustrations are for 13 mm implants)

### Ø4.0 mm - Ø5.0 mm Tapered (IV-DC40-50xx)

Soft and Medium Bone

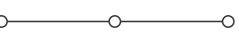


Dense Bone

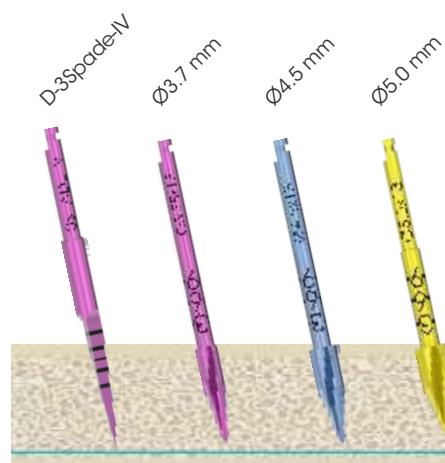


### Ø4.0 mm - Ø5.0 mm Tapered Co-Axis® (IV-DC4012d-50xx)

Soft and Medium Bone



Dense Bone



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

## Surgical Components

### Cover Screw

CS-DC4



### Healing Abutments

HA-DC4-N2



HA-DC4x



HA-DC4-Wx



### TOP Healing Abutments

HA-PKC1-DC4



HA-PKC2-DC4



HA-PKC3-DC4



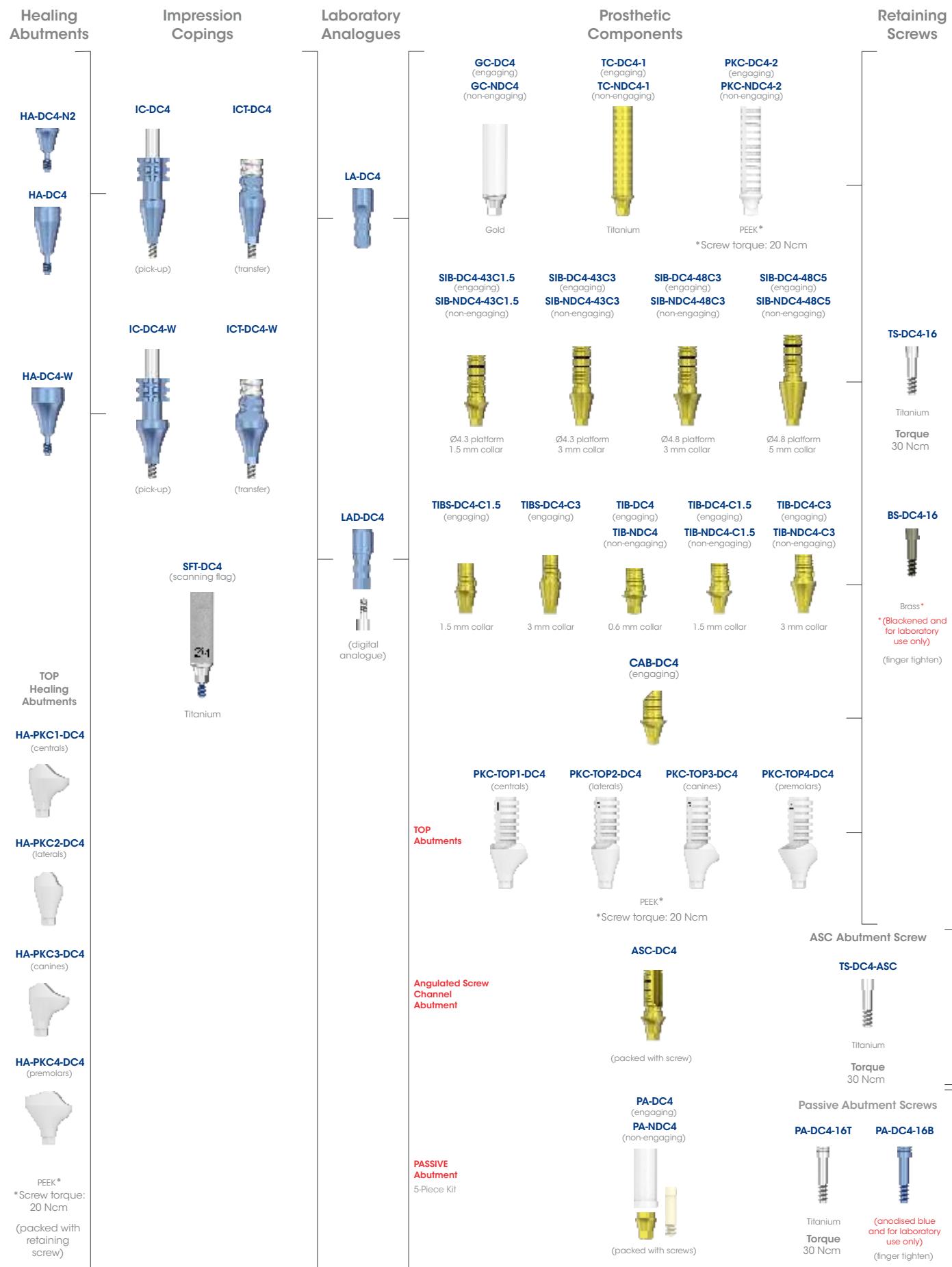
HA-PKC4-DC4



NOTE: TORQUE to 10Ncm ONLY.

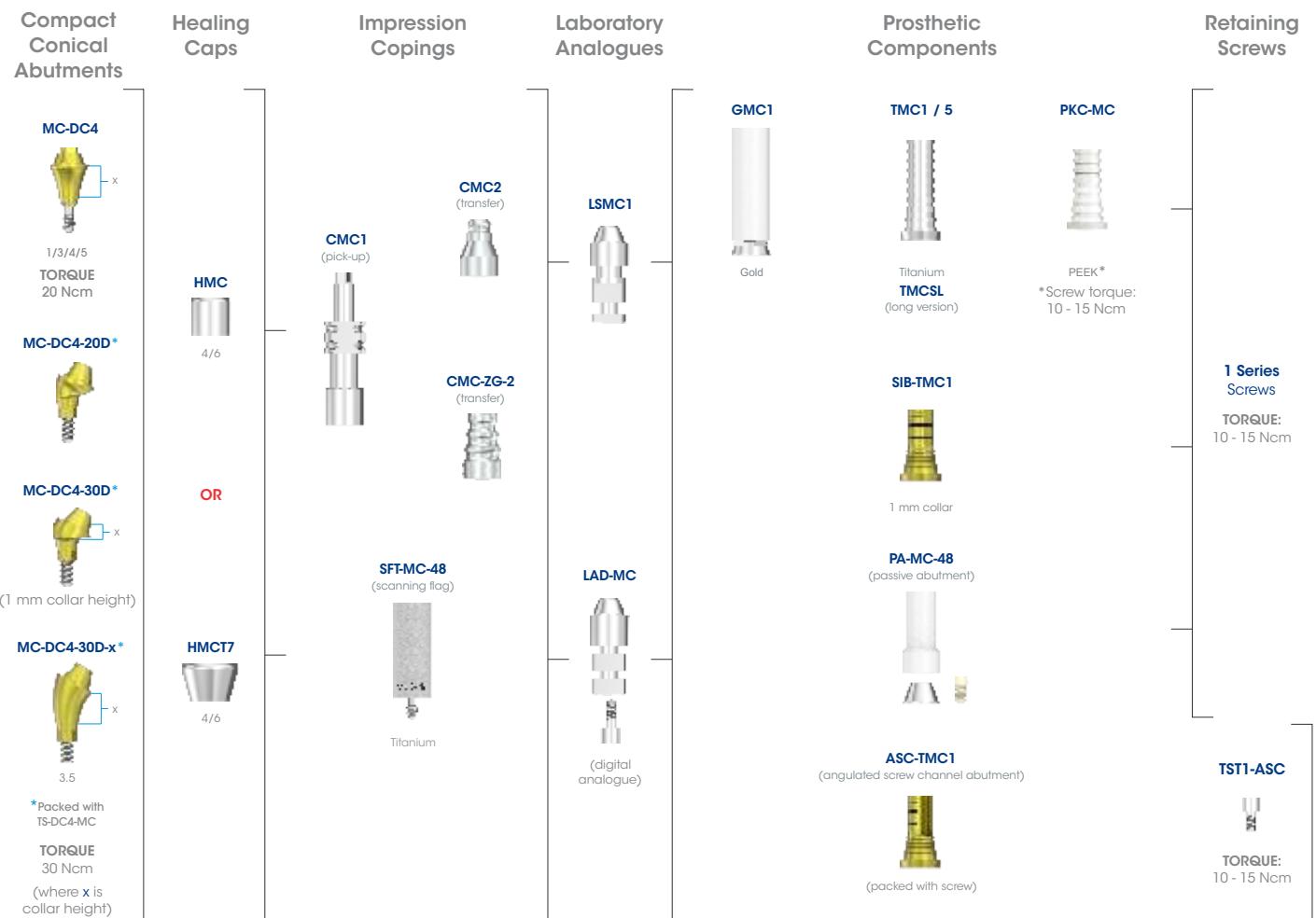
PEEK  
(packaged with retaining screw)  
(where x is length)

## DIRECT



**NOTE:** refer to CAT-1189 for Equator overdenture abutments. For Anatomical abutments refer to CAT-1138.

## INDIRECT

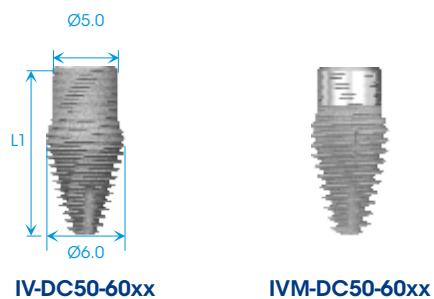




**DEEP CONICAL INVERTA®**

Regular

**Ø5.0 mm - Ø6.0 mm**

(where **xx** is implant length)

## Implant Range

**NOTE:** implant dimensions and information - page 25.

### Regular implants

ITEM CODE		IMPLANT LENGTHS (in mm) L1
IV-DC50-6010	IVM-DC50-6010	10.0
IV-DC50-6011	IVM-DC50-6011	11.5
IV-DC50-6013	IVM-DC50-6013	13.0
IV-DC50-6015	IVM-DC50-6015	15.0

## Site Preparation Sequence

(illustrations are for 13 mm implants)

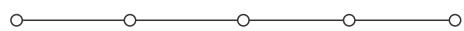
### Ø5.0 mm - Ø6.0 mm Tapered

(IV-DC50-60)

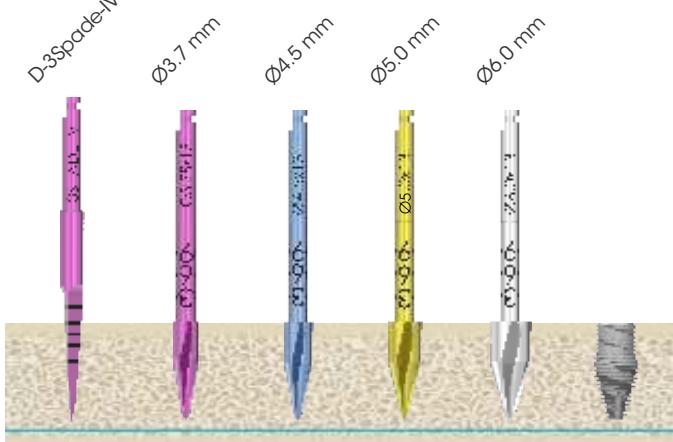
Soft and Medium Bone



Dense Bone



D-3Spade-IV



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

## Surgical Components

### Cover Screw



### Healing Abutments



### TOP Healing Abutments

HA-PKC3-DC5    HA-PKC4-DC5  
(canines)        (premolars)

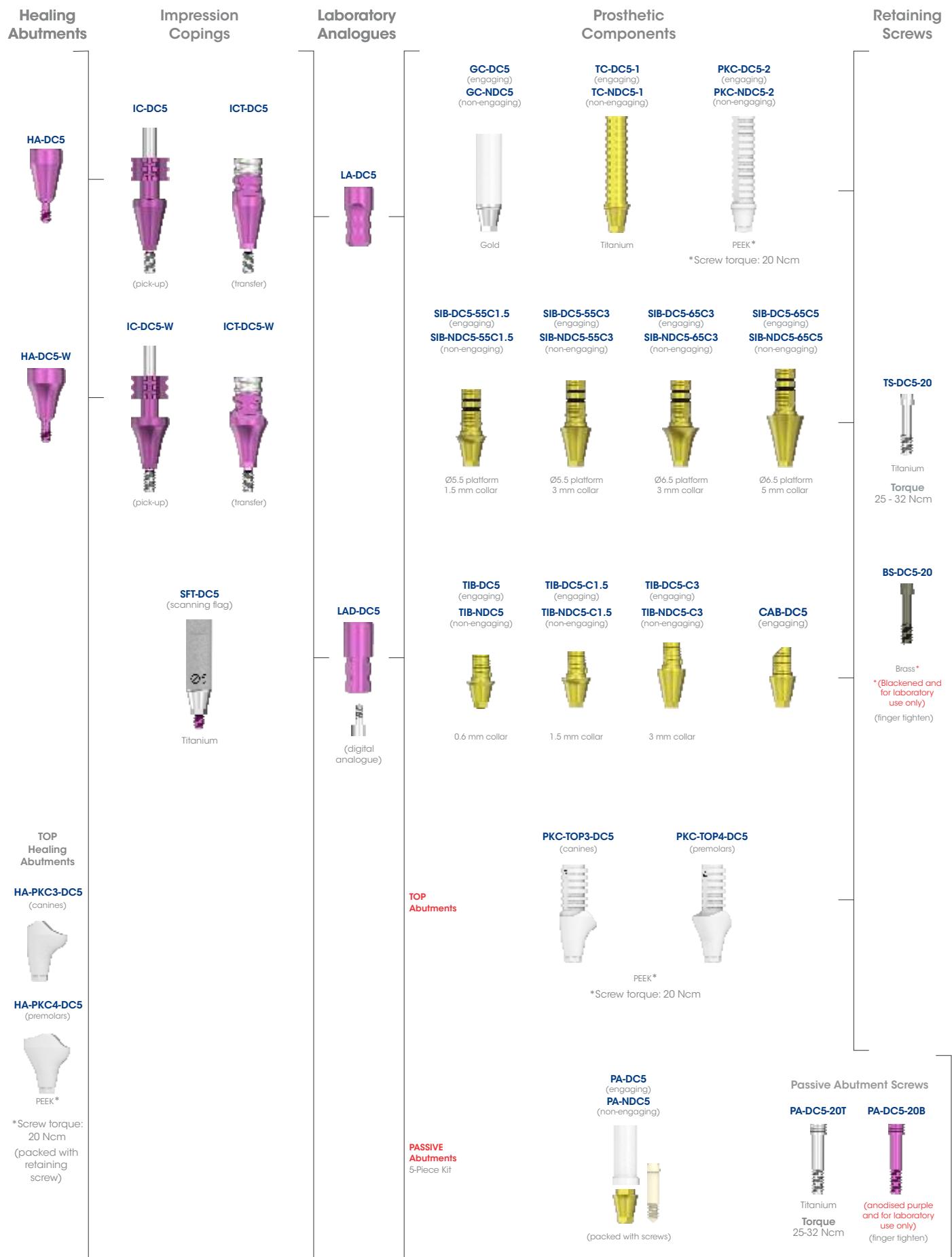


PEEK  
(packaged with retaining screw)

**NOTE:** TORQUE to 10Ncm ONLY.

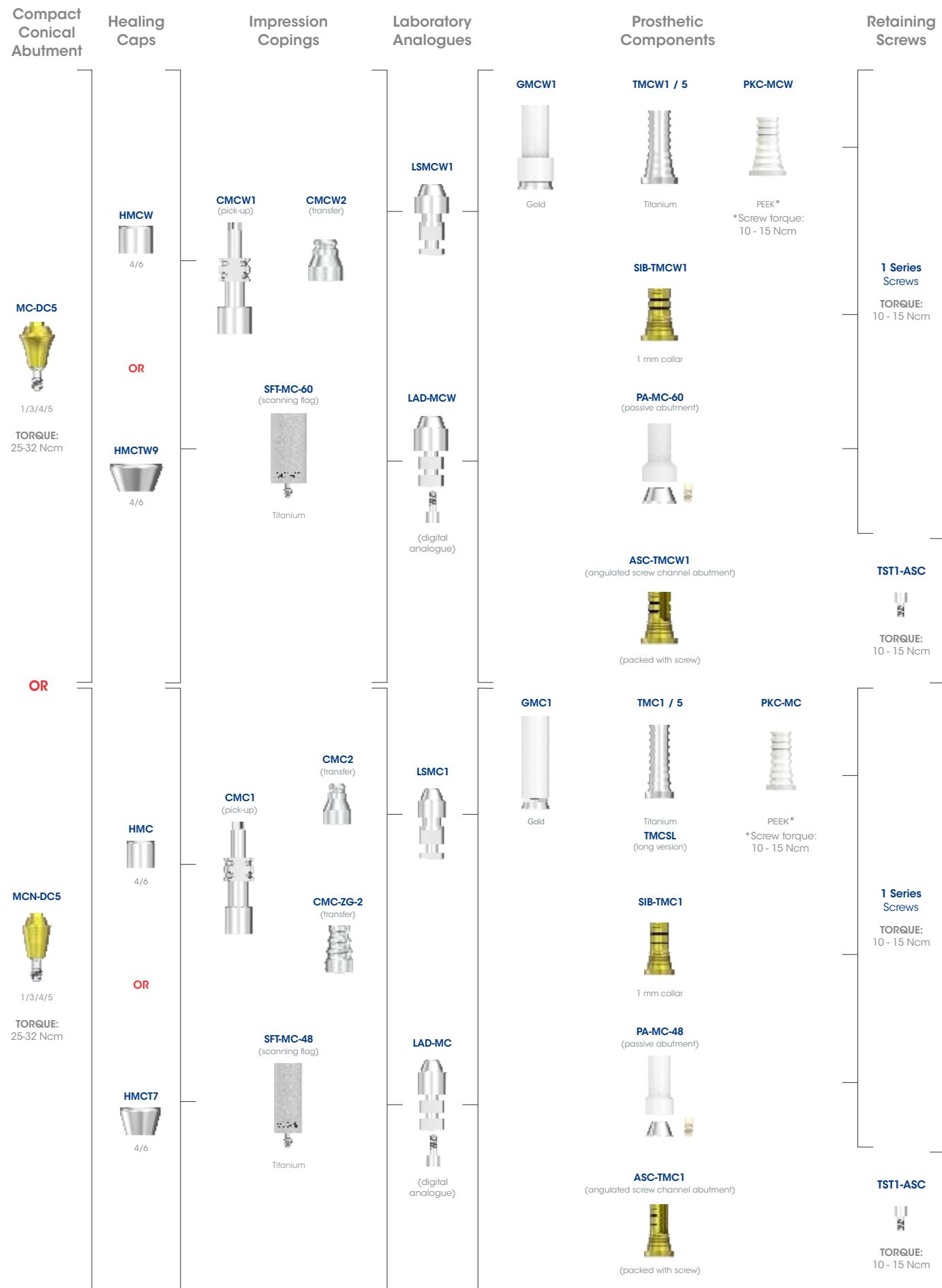
(where **x** is length)

## DIRECT



**NOTE:** refer to CAT-1189 for Equator overdenture abutments. For Anatomical abutments refer to CAT-1138.

## INDIRECT



## TORQUE TABLE FOR SOUTHERN SCREWS

### 1.22 Hex Prosthetic screws

Laboratory screws					
M1.4	DC3 TORQUE: 20 Ncm Head diameter: 2.10 mm Screw TORQUE with PEEK prosthetics: 15 Ncm TS-DC3-14	M1.6	DC4 TORQUE: 30 Ncm Head diameter: 2.35 mm Screw TORQUE with PEEK prosthetics: 20 Ncm TS-DC4-16	M2	DC5 TORQUE: 32 Ncm Head diameter: 2.35 mm Screw TORQUE with PEEK prosthetics: 20 Ncm TS-DC5-20
					M1.4 M1.6 M2 BS-DC3-14* BS-DC4-16* TS-DC5-20* (finger tighten)

### 1.22 Hex Passive abutment screws

Laboratory screws					
M1.4	DC3 TORQUE: 20 Ncm Head diameter: 2.20 mm PA-DC3-14T	M1.6	DC4 TORQUE: 30 Ncm Head diameter: 2.40 mm PA-DC4-16T	M2	DC5 TORQUE: 25-32 Ncm Head diameter: 2.80 mm PA-DC5-20T
					M1.4 M1.6 M2 PA-DC3-14B (anodized yellow) PA-DC4-16B (anodized blue) PA-DC5-20B (anodized purple) (finger tighten)

### ASC abutment screws

M1.4	DC3 TORQUE: 20 Ncm Head diameter: 2.10 mm TS-DC3-ASC	M1.6	DC4 TORQUE: 30 Ncm Head diameter: 2.30 mm TS-DC4-ASC	M2	DC5 TORQUE: 32 Ncm Head diameter: 2.35 mm TS-DC5-ASC
------	--	------	--	----	--

### Compact Conical abutment screws

M1.4	TORQUE: 20 Ncm Head Diameter: 2.0 mm TS-DC3-MC	M1.6	TORQUE: 30 Ncm Head diameter: 2.0 mm TS-DC4-MC		TORQUE: Finger tighten Head Diameter: 2.40 mm
NOTE: Compact Conical abutments are supplied with screws, but can be replaced with these screws, when needed.					

### Digital laboratory analogue screw

			Packaged with all Digital Analogue
--	--	--	------------------------------------

### 1 Series screws

1.22 Hex	Laboratory screw	ASC 1 Series screw
Hex TSH1 TORQUE: 10 - 15 Ncm Head diameter 2.25 mm	1.22 Hex BSH1* (finger tighten)	M1.4 TST1-ASC TORQUE: 10 - 15 Ncm Head diameter 2.30 mm Supplied with ASC abutment.

### Screw head connections



### Screw product codes

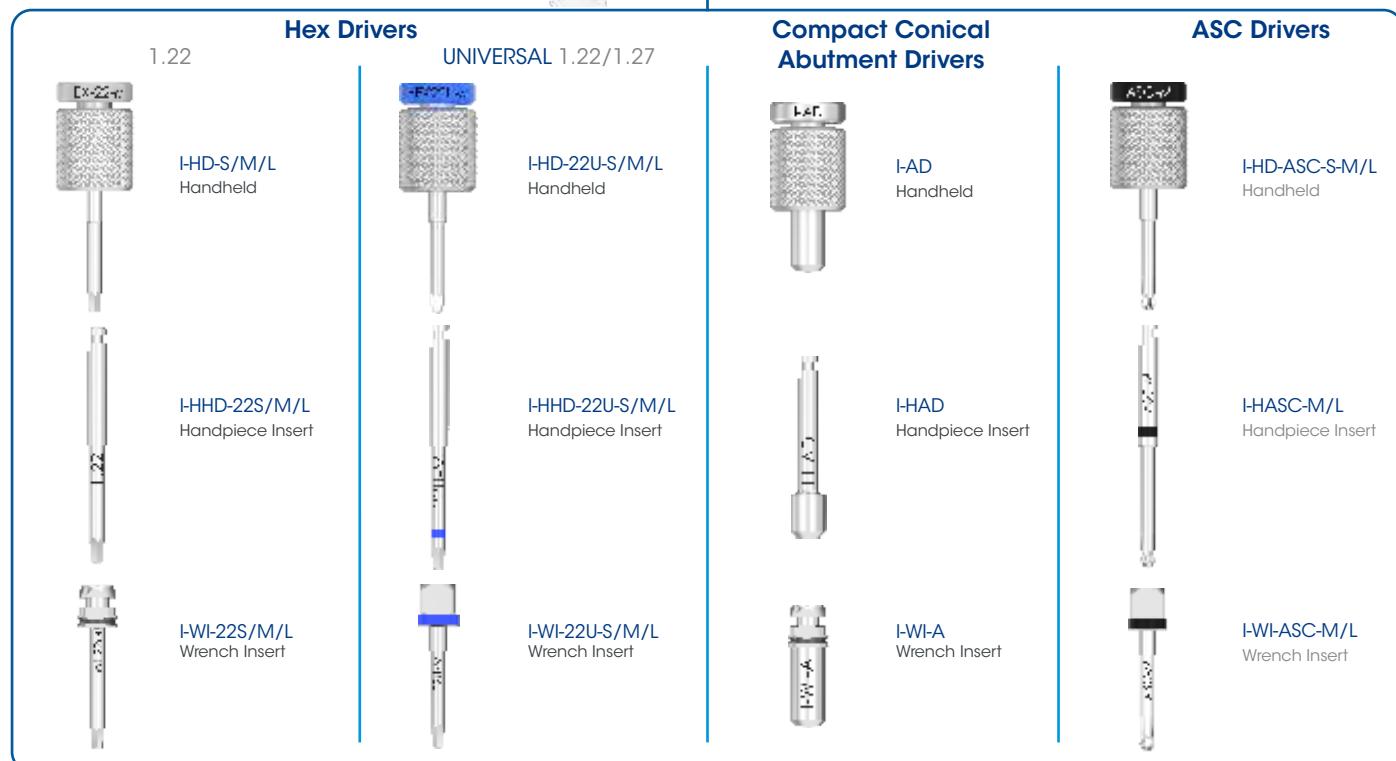
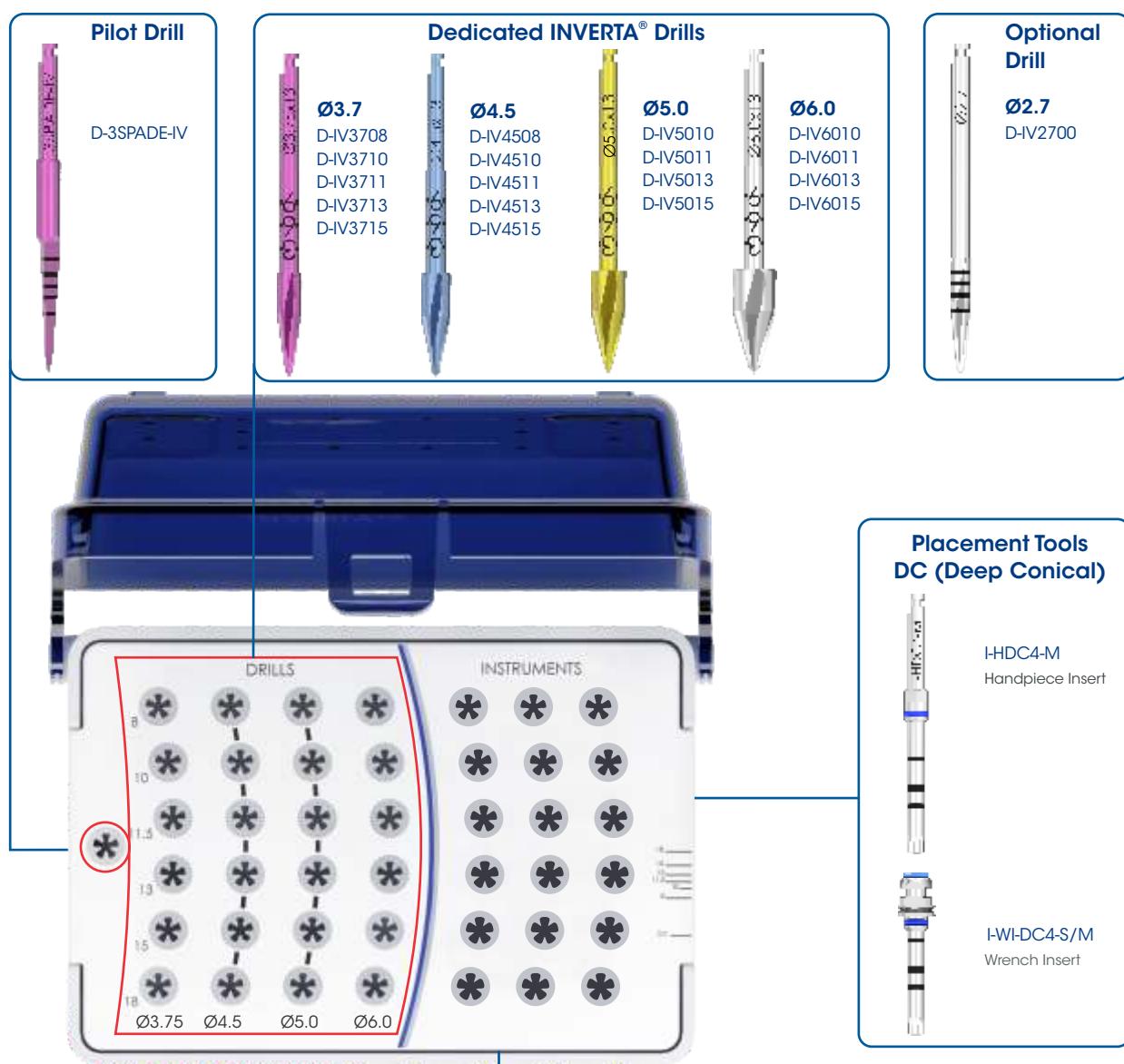
Southern screws are manufactured from different materials. This is indicated with the first letter of the product code:

**T** = Titanium  
**G** = Gold  
**B** = Brass  
**P** = Passive screws - Titanium anodised

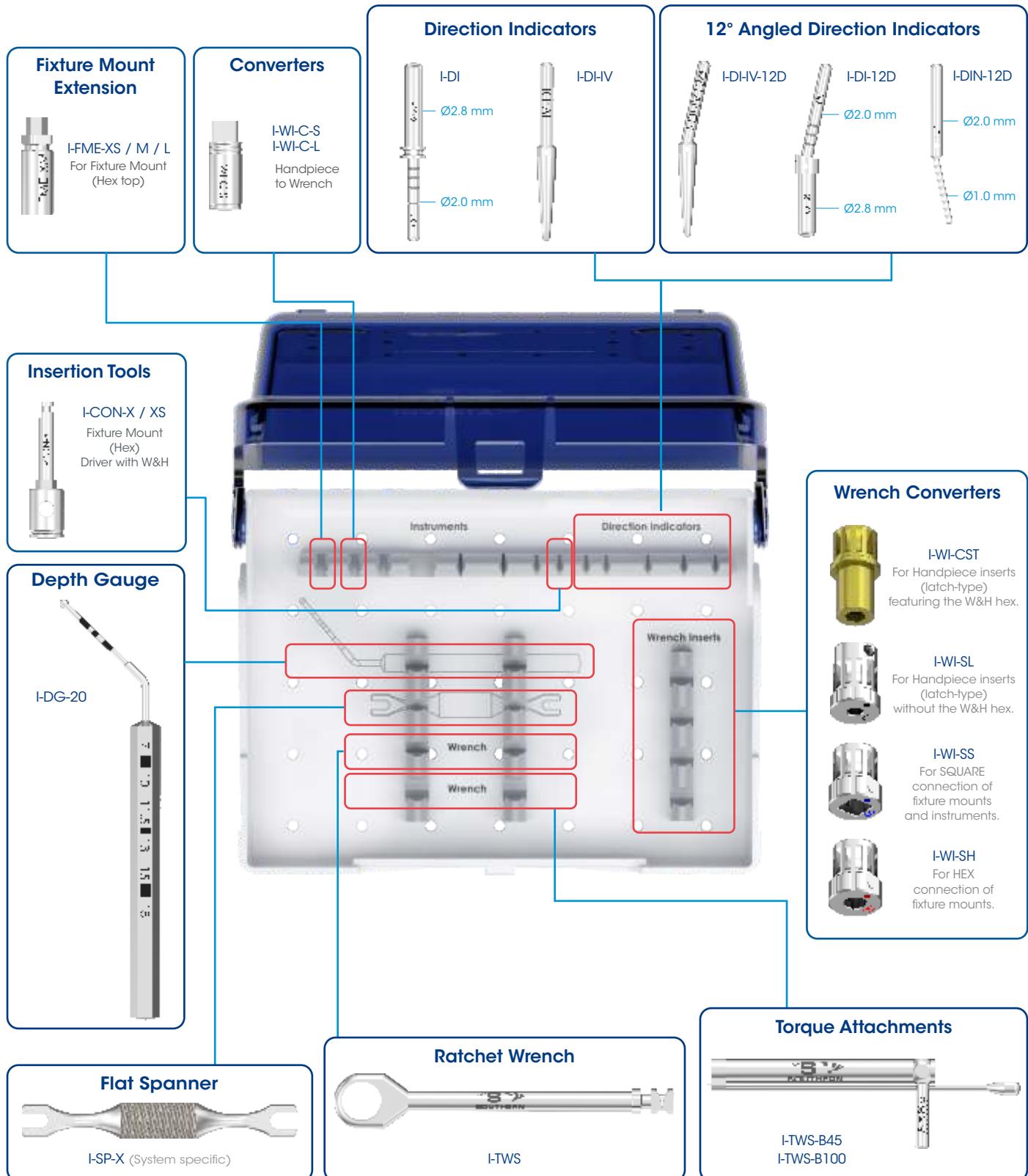
#### NOTE:

- always ensure that the correct screw is used for the relevant implant and component.
- \* blackened and for laboratory use only
- universal drivers are compatible with both 1.22 and 1.27 hex screws:
  - I-HD-22U-S/M/L
  - I-HHD-22U-S/M/L
  - I-WI-22U-S/M/L

## TOP TRAY



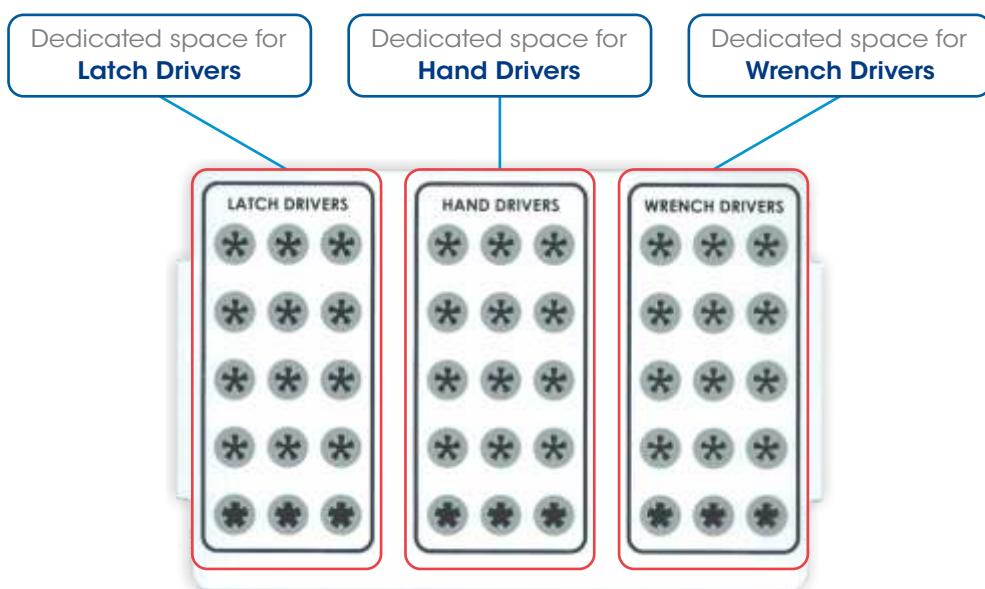
## BOTTOM TRAY



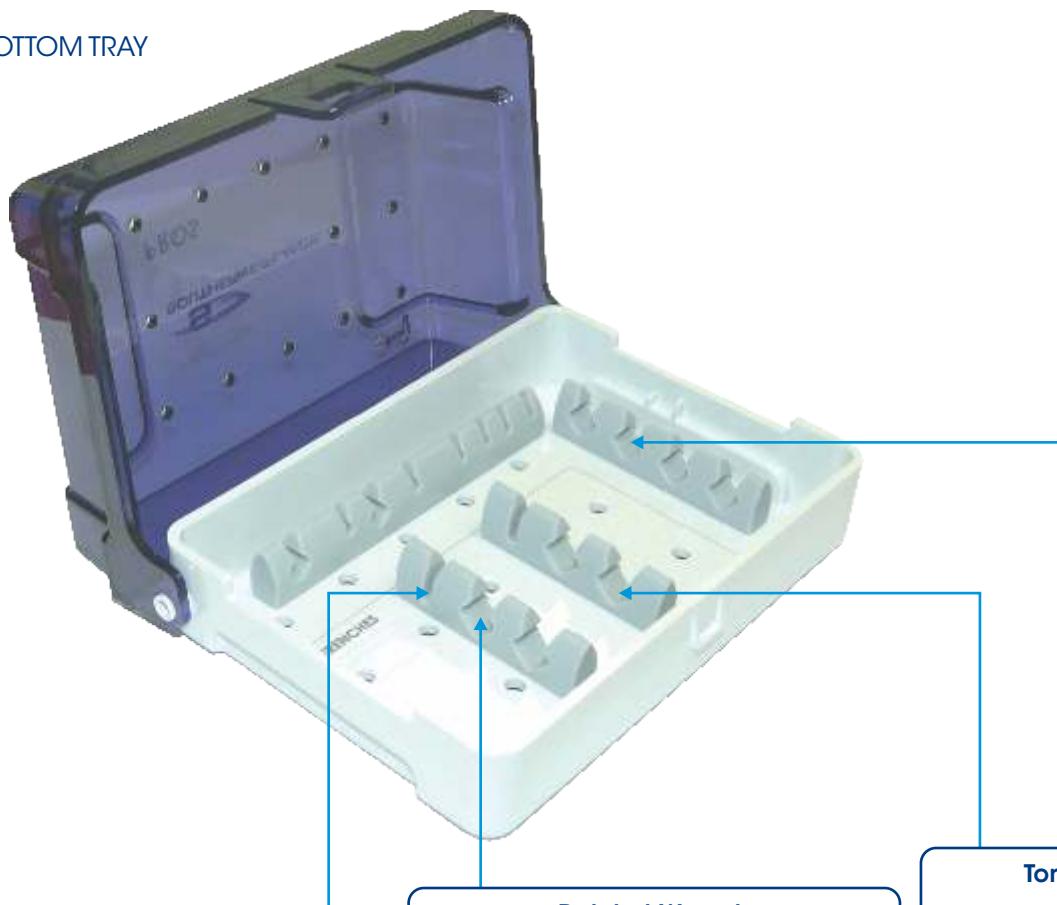
### NOTE:

- the surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- most instruments are 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.

## TOP TRAY



## BOTTOM TRAY



## Wrench Converters



## Ratchet Wrench



## Flat Spanner



I-SP-X (System specific)

## 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 are available in various lengths.

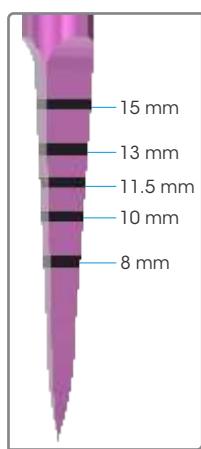
## DRILL INFORMATION

### Pilot Drill

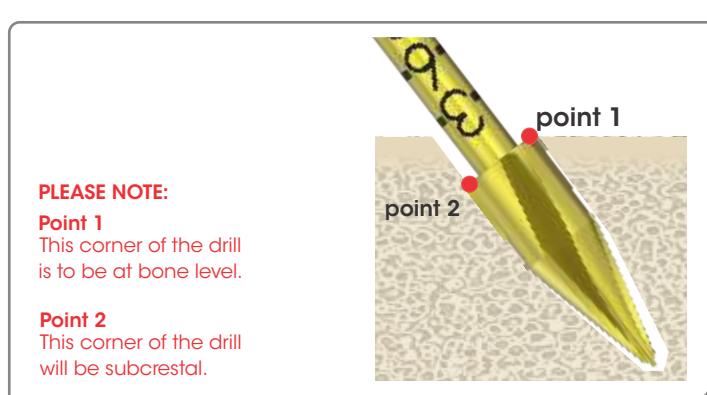


D-3SPADE-IV

### Pilot Drill markings



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

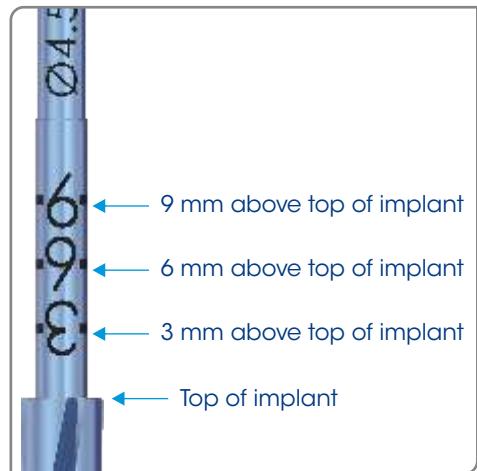


### Tapered Drills



D-IV37xx D-IV45xx D-IV50xx D-IV60xx

### Tapered Drill markings



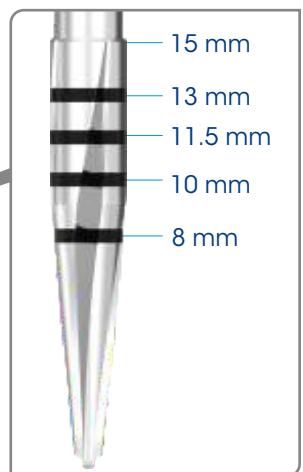
### Optional Drill



D-IV2700

### Drill markings

**CODE**  
D-IV2700

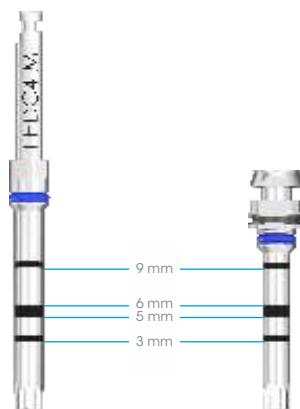


## INSTRUMENTATION

### Co-Axis® implants fixture mount



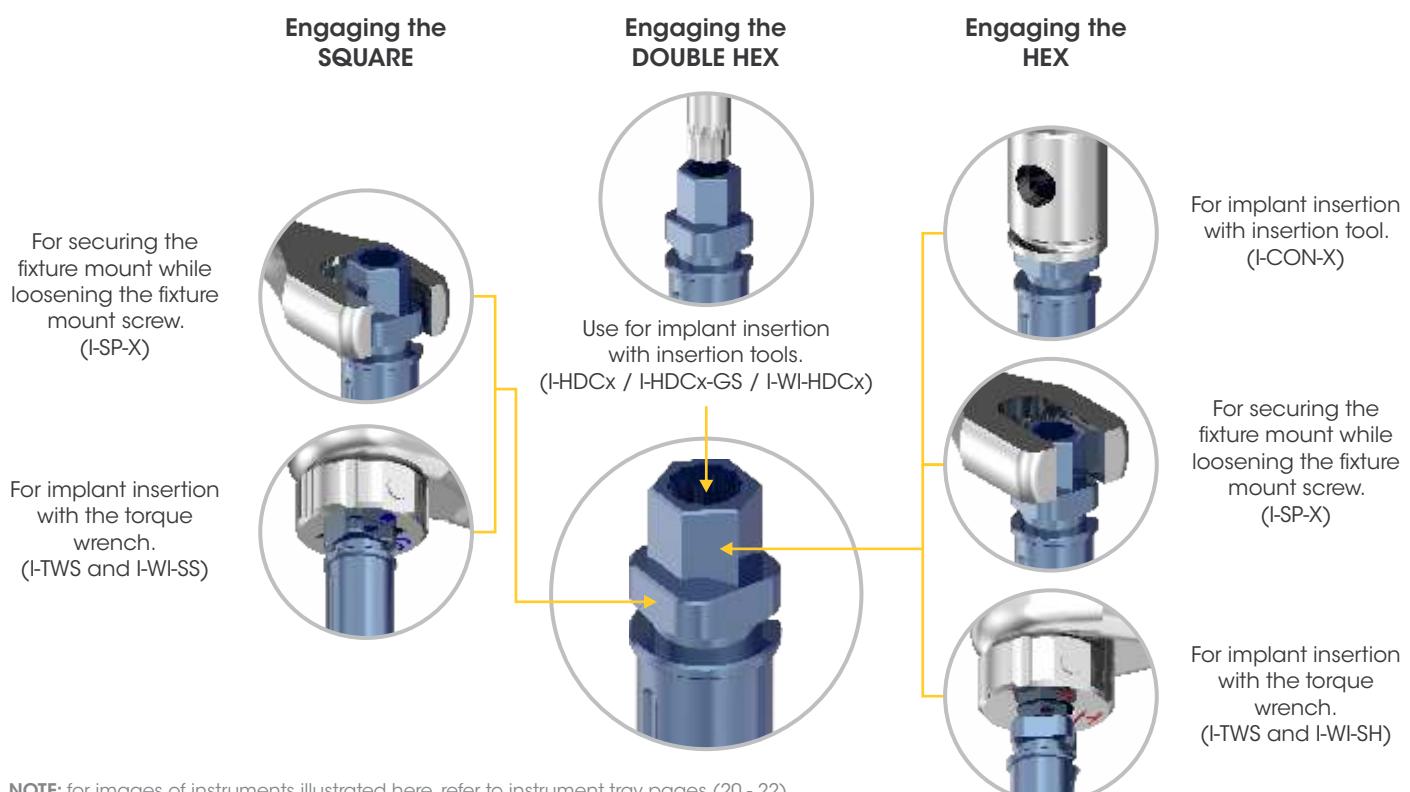
### Insertion tool depth markings



NOTE: fixture mount is colour coded as per prosthetic interface.

Laser markings at 3 mm, 5 mm, 6 mm and 9 mm from implant platform.

### Instruments for implants packaged with a fixture mount



NOTE: for images of instruments illustrated here, refer to instrument tray pages (20 - 22).

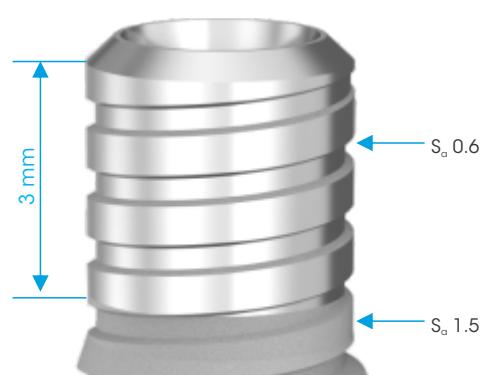
## MSC IMPLANTS

### MSC stands for Machined Surface Coronally

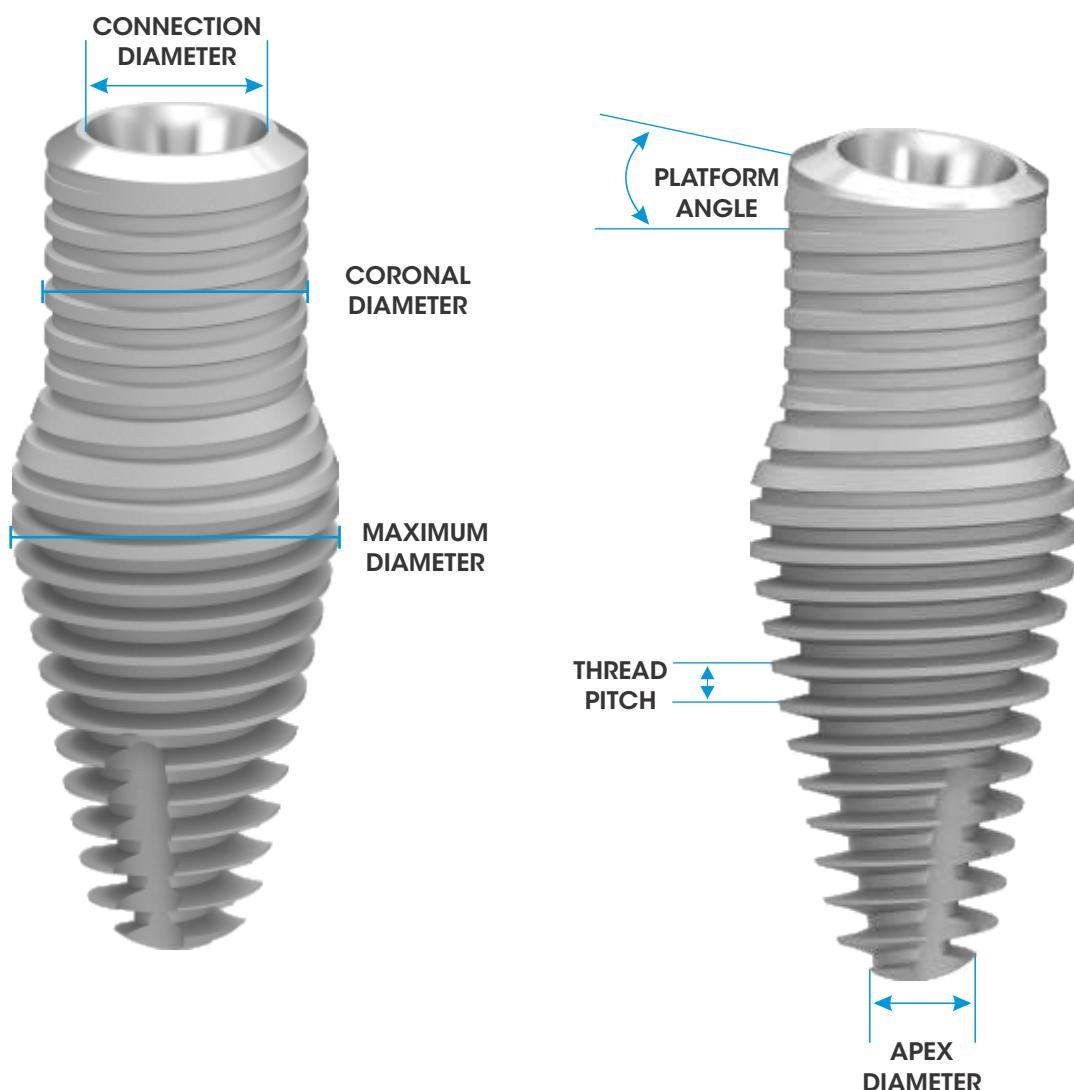
Capturing the advantage of Southern's proven rough surface where it is needed most. The "smoother" coronal machined surface is engineered to reduce bacterial adhesion and thus, decrease the risk of infection which could lead to marginal bone loss.

Indicated for patients with higher risk of coronal bone loss (smokers, history of periodontitis, cardiovascular disease).

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

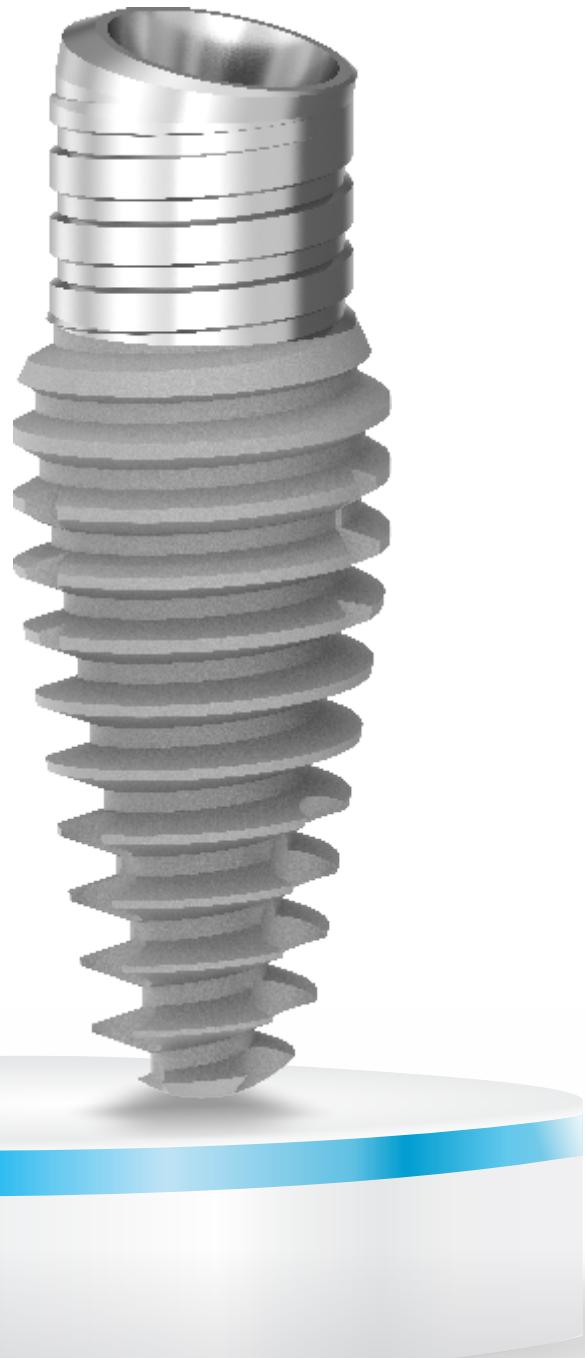


RANGE	CORONAL DIAMETER	MAXIMUM DIAMETER	MSC	PROSTHETICS	CONNECTION DIAMETER	THREAD PITCH	APEX DIAMETER	PLATFORM ANGLE	IMPLANT LENGTHS				
									8	10	11.5	13	15
IV-DC30-37	Ø3.0 mm - Ø3.7 mm	3.0	3.75		Ø3.0 mm	2.3	0.6	2.6	0°	✓	✓	✓	✓
IVM-DC30-37	Ø3.0 mm - Ø3.7 mm	3.0	3.75	✓	Ø3.0 mm	2.3	0.8	2.6	0°	✓	✓	✓	✓
IV-DC35-45	Ø3.5 mm - Ø4.5 mm	3.6	4.5		Ø3.5/Ø4.0 mm	2.8	0.6	2.6	0°	✓	✓	✓	✓
IVM-DC35-45	Ø3.5 mm - Ø4.5 mm	3.6	4.5	✓	Ø3.5/Ø4.0 mm	2.8	0.8	2.6	0°	✓	✓	✓	✓
IV-DC40-50	Ø4.0 mm - Ø5.0 mm	4.0	5.0		Ø3.5/Ø4.0 mm	2.8	0.6	2.6	0°	✓	✓	✓	✓
IVM-DC40-50	Ø4.0 mm - Ø5.0 mm	4.0	5.0	✓	Ø3.5/Ø4.0 mm	2.8	0.8	2.6	0°	✓	✓	✓	✓
IV-DC50-60	Ø5.0 mm - Ø6.0 mm	5.0	6.0		Ø5.0 mm	3.8	0.6	3.13	0°	✓	✓	✓	✓
IVM-DC50-60	Ø5.0 mm - Ø6.0 mm	5.0	6.0	✓	Ø5.0 mm	3.8	0.8	3.13	0°	✓	✓	✓	✓
IV-DC3512D-45	Ø3.5 mm - Ø4.5 mm	3.6	4.5		Ø3.5/Ø4.0 mm	2.8	0.6	2.6	12°		✓	✓	✓
IVM-DC3512D-45	Ø3.5 mm - Ø4.5 mm	3.6	4.5	✓	Ø3.5/Ø4.0 mm	2.8	0.8	2.6	12°		✓	✓	✓
IV-DC4012D-50	Ø4.0 mm - Ø5.0 mm	4.0	5.0		Ø3.5/Ø4.0 mm	2.8	0.6	2.6	12°		✓	✓	✓
IVM-DC4012D-50	Ø4.0 mm - Ø5.0 mm	4.0	5.0	✓	Ø3.5/Ø4.0 mm	2.8	0.8	2.6	12°		✓	✓	✓



## NOTE:

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



### BODY-SHIFT™

Allows for apical bone engagement in immediate placement and a coronal chamber for bone growth resulting in natural aesthetics.



### CORONAL THREAD

Featuring a shallow square thread for blood clot and graft stability as well as the ability to effectively transfer load to the bone.



### AGGRESSIVE APICAL THREAD

Aggressive thread for maximum primary stability in trabecular bone.



### CO-AXIS® FEATURE

Built in 12° Subcrestal Angle Correction® providing greater facial soft-tissue volume and ideal screw-retained restorative options.



### SINERGY SURFACE

Consistent results for early osseointegration and longevity with over twenty years of documented research.



### HIGH STRENGTH TITANIUM

High strength grade 4 pure titanium ( $\geq 920$  MPa) providing exceptional fatigue strength.

## EXPLANATION OF SYMBOLS

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

1 Manufacturer

2 Colour code indicating platform diameter

3 Implant image

4 Implant details and size

5 Sterilisation using irradiation

**EC REP** European representative

**REF** Catalogue number

**LOT** 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

6 2D Bar coding

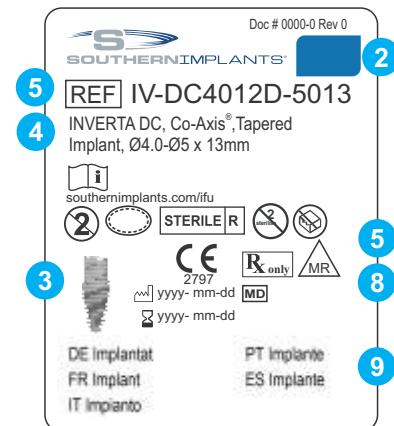
Contains the GTIN, Use by date and LOT number

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.

9 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

Ø3.0

Ø3.5 / Ø4.0

Ø5.0

For more information scan the below



to contact your Southern Implants Representative  
or visit [southernimplants.com](http://southernimplants.com)



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