



**SOUTHERNIMPLANTS®**

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®, 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**

**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



Implant Range

NOTE: implant dimensions and information - page 25.

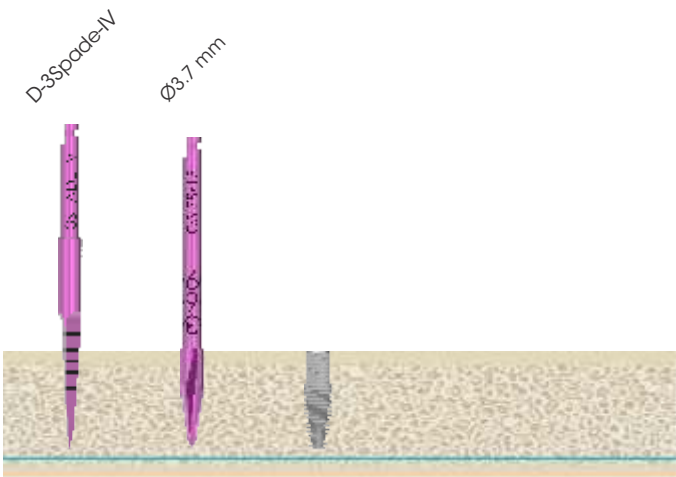
Regular implants

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			TOP Healing Abutments
CS-DC3	HA-DC3-Nx	HA-DC3-x	HA-DC3-Wx	HA-PKC2-DC3 (laterals)
	Ø3.0 	Ø3.5 	Ø4.0 	
	4/6 lengths	2/4/6 lengths	2/4/6 lengths	PEEK (packaged with retaining screw)

NOTE: TORQUE to 10 Ncm ONLY.

(where x is length)

## DIRECT

## Healing Abutments

HA-DC3-N



HA-DC3



HA-DC3-W

TOP  
Healing  
AbutmentsHA-PKC2-DC3  
(laterals)PEEK\*  
\*Screw torque:  
15 Ncm  
(packed with  
retaining  
screw)

## Impression Copings

IC-DC3



(pick-up)

ICT-DC3



(Transfer)

IC-DC3-W



(pick-up)

ICT-DC3-W



(Transfer)

SFT-DC3  
(scanning flag)

Titanium

## Laboratory Analogues

LA-DC3



LAD-DC3

(digital  
analogue)

## Prosthetic Components

GC-DC3  
(engaging)  
GC-NDC3  
(non-engaging)

Gold

TC-DC3-1  
(engaging)  
TC-NDC3-1  
(non-engaging)

Titanium

PKC-DC3-2  
(engaging)  
PKC-NDC3-2  
(non-engaging)

PEEK\*

\*Screw torque:  
15 NcmSIB-DC3-40C1.5  
(engaging)  
SIB-NDC3-40C1.5  
(non-engaging)Ø4.0 platform  
1.5 mm collarSIB-DC3-40C3  
(engaging)  
SIB-NDC3-40C3  
(non-engaging)Ø4.0 platform  
3 mm collarSIB-DC3-45C3  
(engaging)  
SIB-NDC3-45C3  
(non-engaging)Ø4.5 platform  
3 mm collarSIB-DC3-45C5  
(engaging)  
SIB-NDC3-45C5  
(non-engaging)Ø4.5 platform  
5 mm collarTIBS-DC3-C1.5  
(engaging)

1.5 mm collar

TIBS-DC3-C3  
(engaging)

3 mm collar

CAB-DC3  
(engaging)

TS-DC3-14

Titanium  
Torque  
20 Ncm

BS-DC3-14

Brass\*  
\*(Blackened and  
for laboratory  
use only)  
(finger tighten)PKC-TOP2-DC3  
(laterals)

PEEK\*

\*Screw torque: 15 Ncm

TOP  
AbutmentsPASSIVE  
Abutment  
5-Piece KitPA-DC3  
(engaging)  
PA-NDC3  
(non-engaging)

(packed with screws)

## Passive Abutment Screws

PA-DC3-14T

Titanium  
Torque  
20 Ncm

PA-DC3-14B

(anodised yellow  
and for laboratory  
use only)  
(finger tighten)

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

## INDIRECT

Compact  
Conical  
Abutments

## MC-DC3



1/3/4/5

## MC-DC3-20D\*



## MC-DC3-30D\*

\* Packed with  
TS-DC3-MCTORQUE:  
20 NcmHealing  
Caps

## HMC



4/6

OR

## HMCT7



4/6

Impression  
CopingsCMC1  
(pick-up)CMC2  
(Transfer)CMC-ZG-2  
(Transfer)SFT-MC-48  
(scanning flag)

Titanium

Laboratory  
Analogues

## LSMC1



## LAD-MC

(digital  
analogue)

## GMC1



Gold

Prosthetic  
Components

## TMC1 / 5

Titanium  
TMCSL  
(long version)

## PKC-MC



PEEK\*

\*Screw torque:  
10 - 15 Ncm

## SIB-TMC1



1 mm collar

## PA-MC-48

(passive abutment)



## ASC-TMC1

(angulated screw channel abutment)



(packed with screw)

Retaining  
Screws1 Series  
ScrewsTORQUE:  
10 - 15 Ncm

## TST1-ASC

TORQUE:  
10 - 15 Ncm



## DEEP CONICAL INVERTA®

Regular

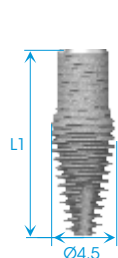
Ø3.5 mm - Ø4.5 mm

Ø4.0 mm - Ø5.0 mm

Co-Axis®

Ø3.5 mm - Ø4.5 mm

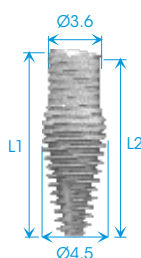
Ø4.0 mm - Ø5.0 mm



IV-DC35-45xx



IVM-DC35-45xx



IV-DC3512D-45xx



IVM-DC3512D-45xx

(where xx is implant length)

## Implant Range

NOTE: implant dimensions and information - page 25.

### 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.

## Site Preparation Sequence

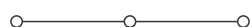
(illustrations are for 13 mm implants)

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

Soft and Medium Bone



Dense Bone

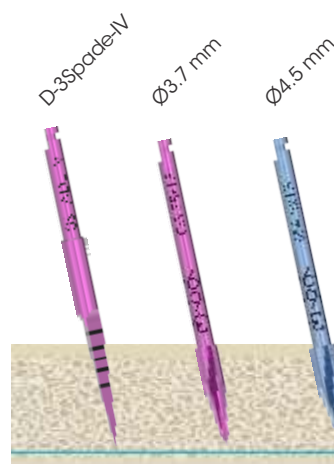
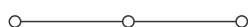


### Ø3.5 mm - Ø4.5 mm Tapered Co-Axis® (IV-DC3512d-45xx)

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

Ø4.0



HA-DC4x

Ø4.5


4/6  
lengths

HA-DC4-Wx

Ø5.5


2/4/6  
lengths

### TOP Healing Abutments

HA-PKC1-DC4

(centrals)



HA-PKC2-DC4

(laterals)



HA-PKC3-DC4

(canines)



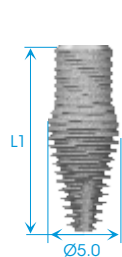
HA-PKC4-DC4

(premolars)


PEEK  
(packaged with retaining screw)

(where x is length)

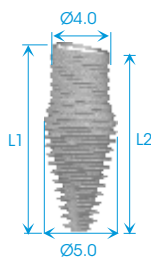
NOTE: TORQUE to 10Ncm ONLY.



IV-DC40-50xx



IVM-DC40-50xx



IV-DC4012D-50xx



IVM-DC4012D-50xx

(where xx is implant length)

## Implant Range

NOTE: implant dimensions and information - page 25.

### 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

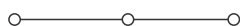
NOTE: all Co-Axis® implants are packed with fixture mount.  
See page 24 for additional information.

## Site Preparation Sequence

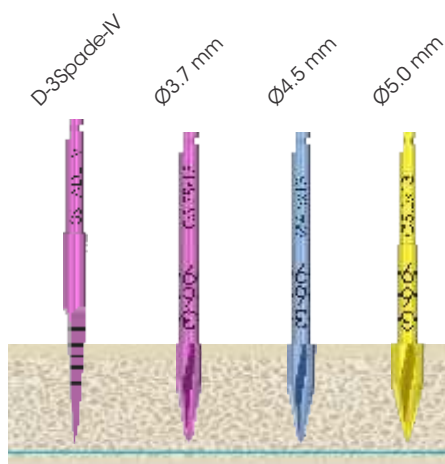
(illustrations are for 13 mm implants)

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

Soft and Medium Bone

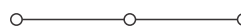


Dense Bone

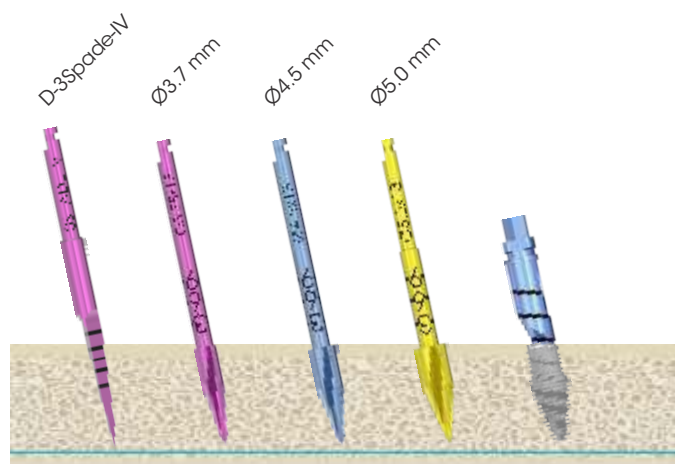


### Ø4.0 mm - Ø5.0 mm Tapered Co-Axis® (IV-DC4012d-50xx)

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

Ø4.0



HA-DC4x

Ø4.5


4/6  
lengths

HA-DC4-Wx

Ø5.5


2/4/6  
lengths

### TOP Healing Abutments

HA-PKC1-DC4

(centrals)



HA-PKC2-DC4

(laterals)



HA-PKC3-DC4

(canines)



HA-PKC4-DC4

(premolars)


PEEK  
(packaged with retaining screw)

(where x is length)

NOTE: TORQUE to 10Ncm ONLY.

## DIRECT

Healing  
Abutments

HA-DC4-N2



HA-DC4



HA-DC4-W

TOP  
Healing  
AbutmentsHA-PKC1-DC4  
(centrals)HA-PKC2-DC4  
(laterals)HA-PKC3-DC4  
(canines)HA-PKC4-DC4  
(premolars)

PEEK\*

\*Screw torque:  
20 Ncm(packed with  
retaining  
screw)Impression  
Copings

IC-DC4



(pick-up)

ICT-DC4



(transfer)

IC-DC4-W



(pick-up)

ICT-DC4-W



(transfer)

SFT-DC4  
(scanning flag)

Titanium

Laboratory  
Analogues

LA-DC4



LAD-DC4

(digital  
analogue)Prosthetic  
ComponentsGC-DC4  
(engaging)  
GC-NDC4  
(non-engaging)

Gold

TC-DC4-1  
(engaging)  
TC-NDC4-1  
(non-engaging)

Titanium

PKC-DC4-2  
(engaging)  
PKC-NDC4-2  
(non-engaging)

PEEK\*

\*Screw torque: 20 Ncm

SIB-DC4-43C1.5  
(engaging)  
SIB-NDC4-43C1.5  
(non-engaging)Ø4.3 platform  
1.5 mm collarSIB-DC4-43C3  
(engaging)  
SIB-NDC4-43C3  
(non-engaging)Ø4.3 platform  
3 mm collarSIB-DC4-48C3  
(engaging)  
SIB-NDC4-48C3  
(non-engaging)Ø4.8 platform  
3 mm collarSIB-DC4-48C5  
(engaging)  
SIB-NDC4-48C5  
(non-engaging)Ø4.8 platform  
5 mm collarTIBS-DC4-C1.5  
(engaging)

1.5 mm collar

TIBS-DC4-C3  
(engaging)

3 mm collar

TIB-DC4  
(engaging)  
TIB-NDC4  
(non-engaging)

0.6 mm collar

TIB-DC4-C1.5  
(engaging)  
TIB-NDC4-C1.5  
(non-engaging)

1.5 mm collar

TIB-DC4-C3  
(engaging)  
TIB-NDC4-C3  
(non-engaging)

3 mm collar

CAB-DC4  
(engaging)PKC-TOP1-DC4  
(centrals)TOP  
AbutmentsPKC-TOP2-DC4  
(laterals)PKC-TOP3-DC4  
(canines)PKC-TOP4-DC4  
(premolars)

PEEK\*

\*Screw torque: 20 Ncm

Angulated Screw  
Channel  
Abutment

ASC-DC4



(packed with screw)

PA-DC4  
(engaging)PA-NDC4  
(non-engaging)

(packed with screws)

PASSIVE  
Abutment  
5-Piece KitRetaining  
Screws

TS-DC4-16



Titanium

Torque  
30 Ncm

BS-DC4-16



Brass\*

\*(Blackened and  
for laboratory  
use only)

(finger tighten)

ASC Abutment Screw

TS-DC4-ASC



Titanium

Torque  
30 Ncm

Passive Abutment Screws

PA-DC4-16T

PA-DC4-16B

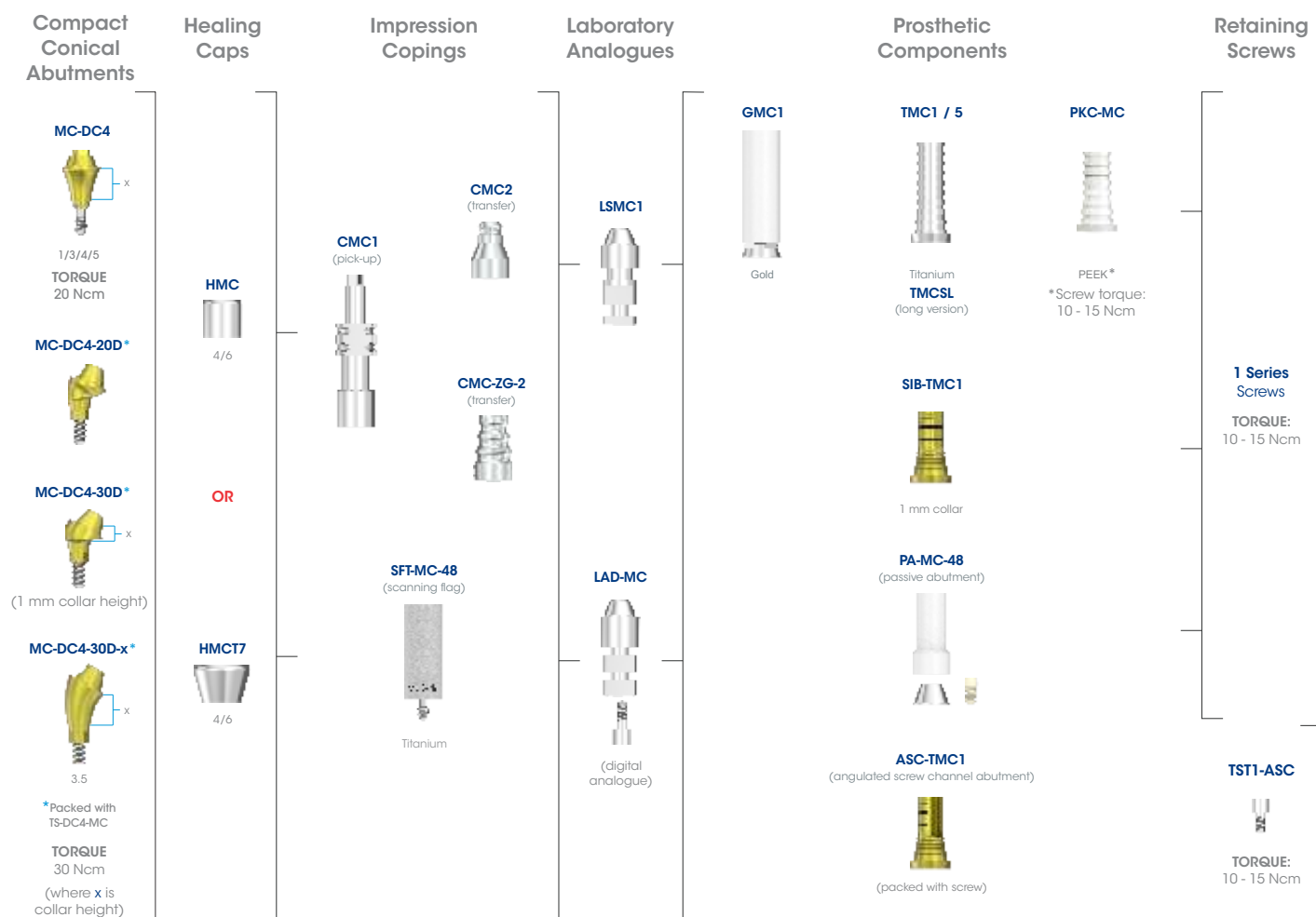


Titanium

Torque  
30 Ncm(anodised blue  
and for laboratory  
use only)  
(finger tighten)

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



Implant Range

NOTE: implant dimensions and information - page 25.

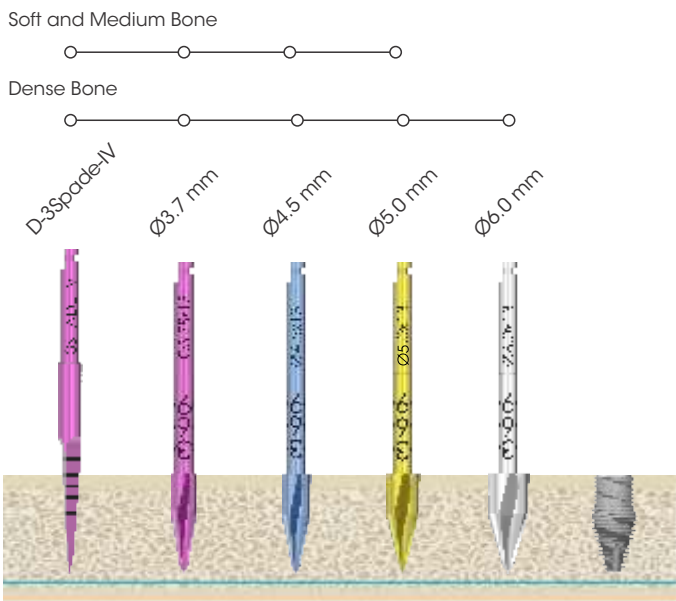
Regular implants

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)



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

Surgical Components

**Cover Screw**  
CS-DC5



**Healing Abutments**



HA-DC5x  
Ø5.5  
2/4/6 lengths

HA-DC5-Wx  
Ø6.5  
2/4/6 lengths

**TOP Healing Abutments**

HA-PKC3-DC5  
(canines)

HA-PKC4-DC5  
(premolars)



PEEK  
(packaged with retaining screw)

NOTE: TORQUE to 10Ncm ONLY.

(where **x** is length)



## DIRECT

## Healing Abutments



HA-DC5



HA-DC5-W

## TOP Healing Abutments

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

\*Screw torque:  
20 Ncm  
(packed with  
retaining  
screw)

## Impression Copings

IC-DC5



(pick-up)

ICT-DC5



(Transfer)

IC-DC5-W



(pick-up)

ICT-DC5-W



(Transfer)

SFT-DC5  
(scanning flag)

Titanium

## Laboratory Analogues



LA-DC5



LAD-DC5

(digital analogue)

## Prosthetic Components

GC-DC5  
(engaging)  
GC-NDC5  
(non-engaging)

Gold

TC-DC5-1  
(engaging)  
TC-NDC5-1  
(non-engaging)

Titanium

PKC-DC5-2  
(engaging)  
PKC-NDC5-2  
(non-engaging)

PEEK\*

\*Screw torque: 20 Ncm

SIB-DC5-55C1.5  
(engaging)  
SIB-NDC5-55C1.5  
(non-engaging)Ø5.5 platform  
1.5 mm collarSIB-DC5-55C3  
(engaging)  
SIB-NDC5-55C3  
(non-engaging)Ø5.5 platform  
3 mm collarSIB-DC5-65C3  
(engaging)  
SIB-NDC5-65C3  
(non-engaging)Ø6.5 platform  
3 mm collarSIB-DC5-65C5  
(engaging)  
SIB-NDC5-65C5  
(non-engaging)Ø6.5 platform  
5 mm collarTIB-DC5  
(engaging)  
TIB-NDC5  
(non-engaging)

0.6 mm collar

TIB-DC5-C1.5  
(engaging)  
TIB-NDC5-C1.5  
(non-engaging)

1.5 mm collar

TIB-DC5-C3  
(engaging)  
TIB-NDC5-C3  
(non-engaging)

3 mm collar

CAB-DC5  
(engaging)

## Retaining Screws

TS-DC5-20



Titanium

Torque  
25 - 32 Ncm

BS-DC5-20



Brass\*

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

PKC-TOP3-DC5  
(canines)PKC-TOP4-DC5  
(premolars)

PEEK\*

\*Screw torque: 20 Ncm

PA-DC5  
(engaging)  
PA-NDC5  
(non-engaging)

(packed with screws)

## Passive Abutment Screws

PA-DC5-20T

Titanium  
Torque  
25-32 Ncm

PA-DC5-20B



(anodised purple  
and for laboratory  
use only)  
(finger tighten)

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

## INDIRECT

Compact  
Conical  
Abutment

MC-DC5



1/3/4/5

TORQUE:  
25-32 Ncm

OR

MCN-DC5



1/3/4/5

TORQUE:  
25-32 NcmHealing  
Caps

HMCW

4/6

OR

HMCTW9

4/6

Impression  
Copings

CMCW1

(pick-up)



CMCW2

(transfer)



SFT-MC-60

(scanning flag)



Titanium

Laboratory  
Analogue

LSMCW1



LAD-MCW

(digital  
analogue)Prosthetic  
Components

GMCW1



Gold

TMCW1 / 5



Titanium

PKC-MCW



PEEK\*

\*Screw torque:  
10 - 15 Ncm

SIB-TMCW1



1 mm collar

PA-MC-60

(passive abutment)



ASC-TMCW1

(angulated screw channel abutment)



(packed with screw)

Retaining  
Screws1 Series  
ScrewsTORQUE:  
10 - 15 Ncm

TST1-ASC

TORQUE:  
10 - 15 Ncm

GMC1



Gold

TMC1 / 5



Titanium

TMCSL  
(long version)

PKC-MC



PEEK\*

\*Screw torque:  
10 - 15 Ncm

SIB-TMC1



1 mm collar

PA-MC-48

(passive abutment)



ASC-TMC1

(angulated screw channel abutment)



(packed with screw)

1 Series  
ScrewsTORQUE:  
10 - 15 Ncm







TST1-ASC

TORQUE:  
10 - 15 Ncm

# TORQUE TABLE FOR SOUTHERN SCREWS







## 1.22 Hex Prosthetic screws

## Laboratory screws

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

## 1.22 Hex Passive abutment screws

## Laboratory screws




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

## ASC abutment screws

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

## Compact Conical abutment screws

## Digital laboratory analogue screw




<b>M1.4</b>  <b>TORQUE:</b> 20 Ncm <b>Head Diameter:</b> 2.0 mm <b>TS-DC3-MC</b>	<b>M1.6</b>  <b>TORQUE:</b> 30 Ncm <b>Head diameter:</b> 2.0 mm <b>TS-DC4-MC</b>	 <b>TORQUE:</b> Finger tighten <b>Head Diameter:</b> 2.40 mm Packaged with all Digital Analogues
---	---	---

**NOTE:** Compact Conical abutments are supplied with screws, but can be replaced with these screws, when needed.

## 1 Series screws

## Laboratory screw

## ASC 1 Series screw

<b>1.22 Hex</b>  <b>TORQUE:</b> 10 - 15 Ncm <b>Head diameter</b> 2.25 mm <b>TSH1</b>	<b>1.22 Hex</b>  <b>TORQUE:</b> Finger tighten <b>Head Diameter:</b> 2.40 mm <b>BSH1*</b> (finger tighten)	<b>M1.4</b>  <b>TORQUE:</b> 10 - 15 Ncm <b>Head diameter</b> 2.30 mm <b>TST1-ASC</b> 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


**Pilot Drill**

D-3SPADE-IV




**Dedicated INVERTA® Drills**

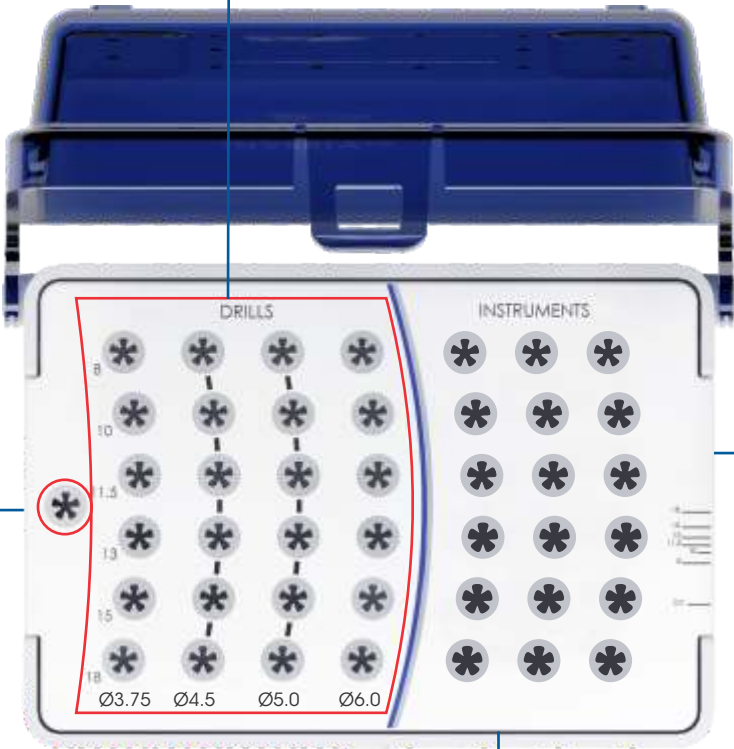
<b>Ø3.7</b> D-IV3708 D-IV3710 D-IV3711 D-IV3713 D-IV3715	<b>Ø4.5</b> D-IV4508 D-IV4510 D-IV4511 D-IV4513 D-IV4515	<b>Ø5.0</b> D-IV5010 D-IV5011 D-IV5013 D-IV5015	<b>Ø6.0</b> D-IV6010 D-IV6011 D-IV6013 D-IV6015
---	---	---	---



**Optional Drill**

Ø2.7  
D-IV2700






The image shows a blue instrument tray with a white insert. The insert has two main sections: 'DRILLS' and 'INSTRUMENTS'. The 'DRILLS' section is on the left and contains a grid of 20 circular holes, each marked with an asterisk. The holes are arranged in 4 rows and 5 columns. The first column of holes is labeled with diameters: Ø3.75, Ø4.5, Ø5.0, and Ø6.0. The 'INSTRUMENTS' section is on the right and contains a grid of 20 circular holes, each marked with an asterisk. A red circle highlights the first hole in the first column of the 'DRILLS' section.

**Placement Tools DC (Deep Conical)**

I-HDC4-M  
Handpiece Insert







I-WI-DC4-S/M  
Wrench Insert






**Hex Drivers**

1.22




UNIVERSAL 1.22/1.27

 <p>I-HD-S/M/L Handheld</p>	 <p>I-HD-22U-S/M/L Handheld</p>
 <p>I-HHD-22S/M/L Handpiece Insert</p>	 <p>I-HHD-22U-S/M/L Handpiece Insert</p>
 <p>I-WI-22S/M/L Wrench Insert</p>	 <p>I-WI-22U-S/M/L Wrench Insert</p>

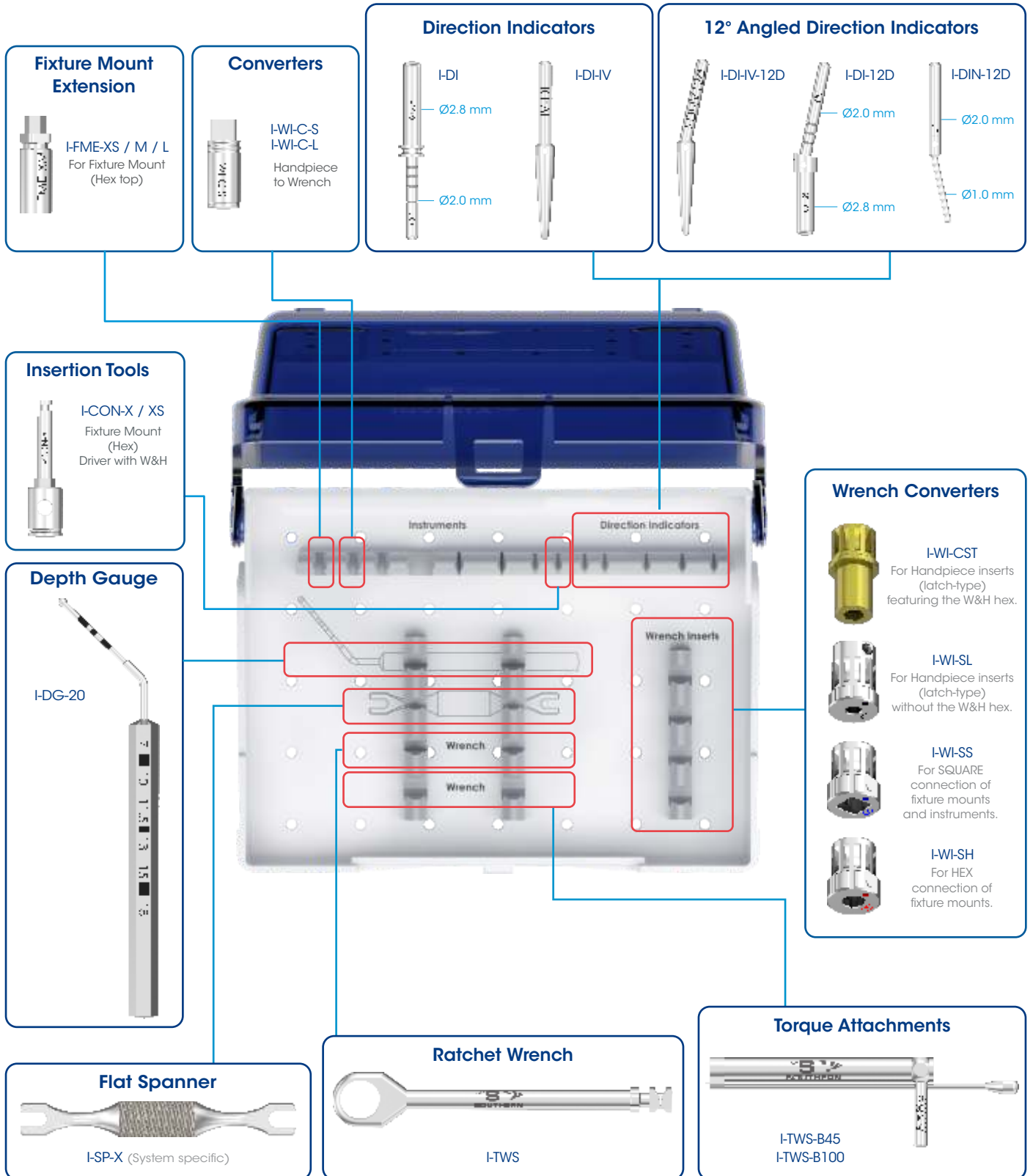
**Compact Conical Abutment Drivers**

 <p>I-AD Handheld</p>	 <p>I-HAD Handpiece Insert</p>	 <p>I-WI-A Wrench Insert</p>
--	---	---

**ASC Drivers**

 <p>I-HD-ASC-S/M/L Handheld</p>	 <p>I-HASC-M/L Handpiece Insert</p>	 <p>I-WI-ASC-M/L Wrench Insert</p>
--	--	---

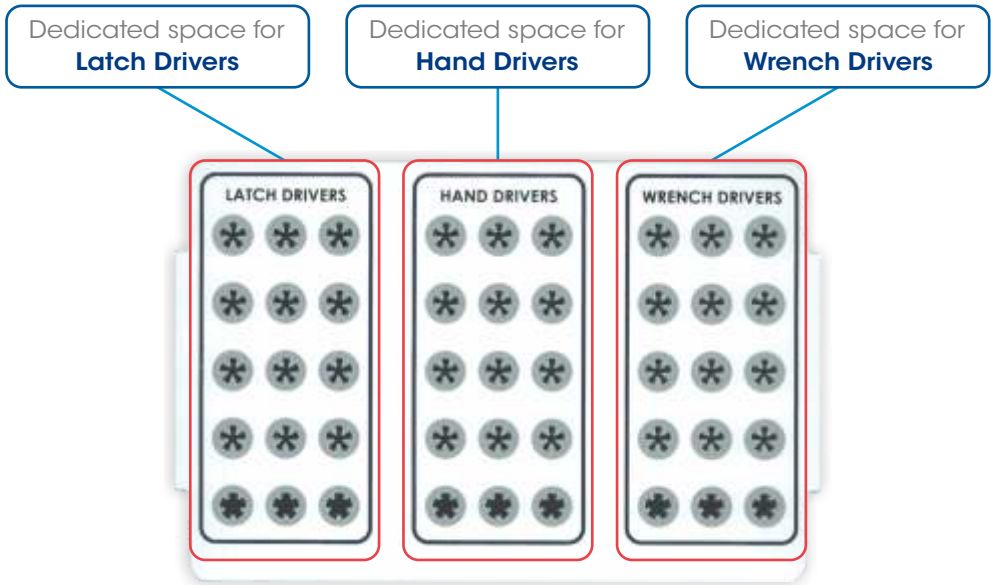
## BOTTOM TRAY



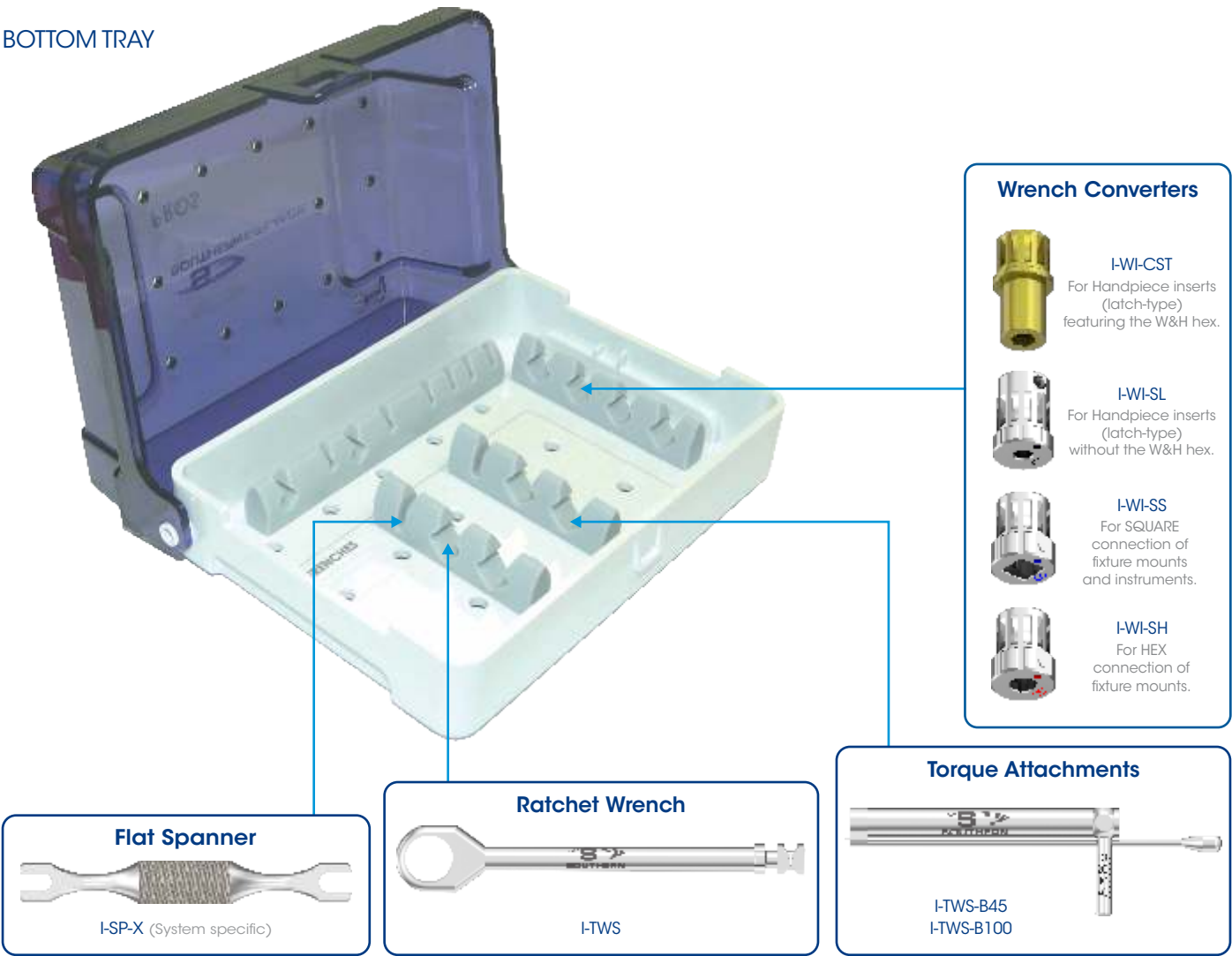
### NOTE:

- 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



**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.

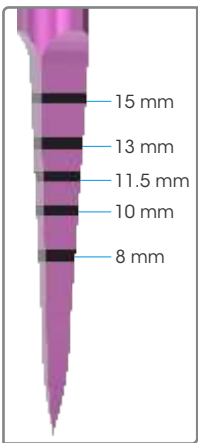
DRILL INFORMATION

Pilot Drill

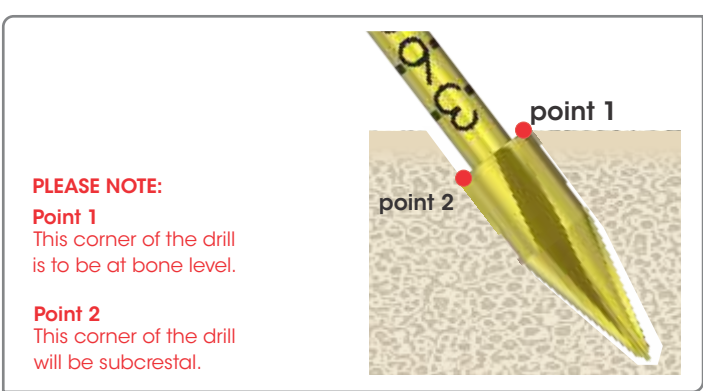


D-3SPADE-IV

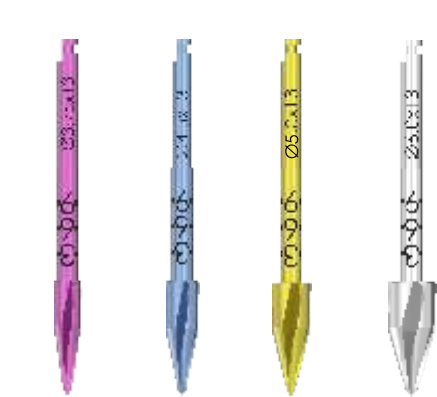
Pilot Drill markings



Final tapered drill position for Co-Axis® implants



Tapered Drills

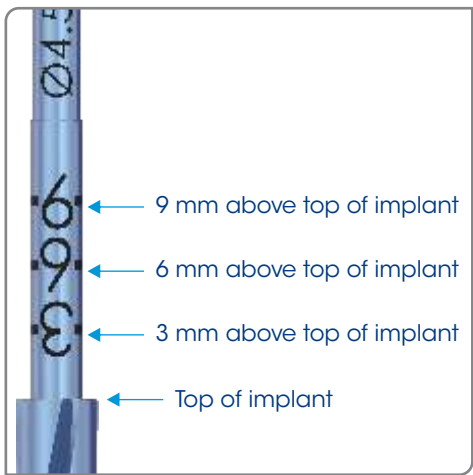


D-IV37xx D-IV45xx D-IV50xx D-IV60xx

CODES

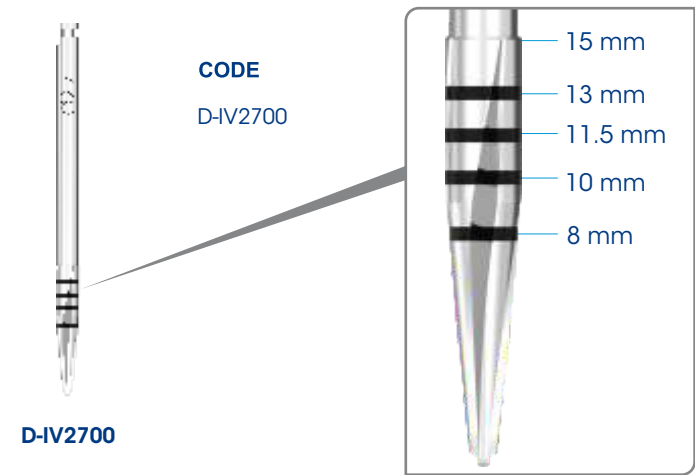
- D-IV3708/10/11/13/15
- D-IV4508/10/11/13/15
- D-IV5010/11/13/15
- D-IV6010/11/13/15

Tapered Drill markings



Optional Drill

Drill markings





## INSTRUMENTATION

### Co-Axis® implants fixture mount



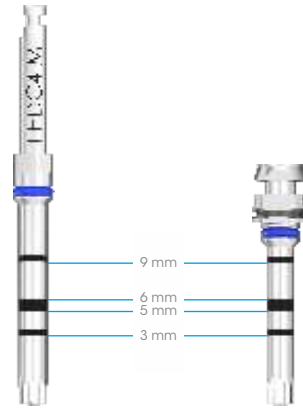
IV-DC3512D-45xx



IV-DC4012D-50xx

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

### Insertion tool depth markings



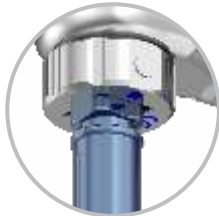
Laser markings at 3 mm, 5 mm, 6 mm and 9 mm from implant platform.

### Instruments for implants packaged with a fixture mount

#### Engaging the SQUARE

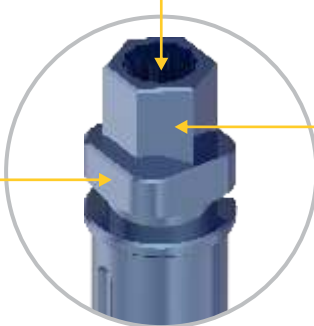
For securing the fixture mount while loosening the fixture mount screw. (I-SP-X)

For implant insertion with the torque wrench. (I-TWS and I-WI-SS)



#### Engaging the DOUBLE HEX

Use for implant insertion with insertion tools. (I-HDCx / I-HDCx-GS / I-WI-HDCx)

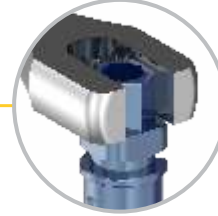


#### Engaging the HEX

For implant insertion with insertion tool. (I-CON-X)

For securing the fixture mount while loosening the fixture mount screw. (I-SP-X)

For implant insertion with the torque wrench. (I-TWS and I-WI-SH)



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

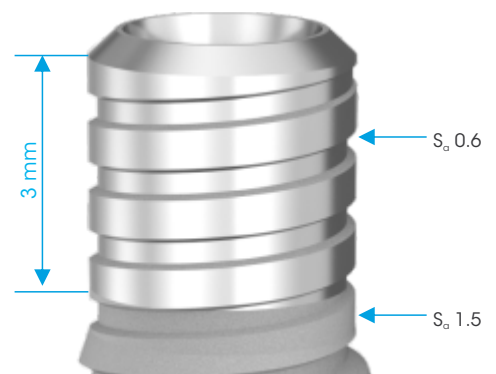
## MSC IMPLANTS

### 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.

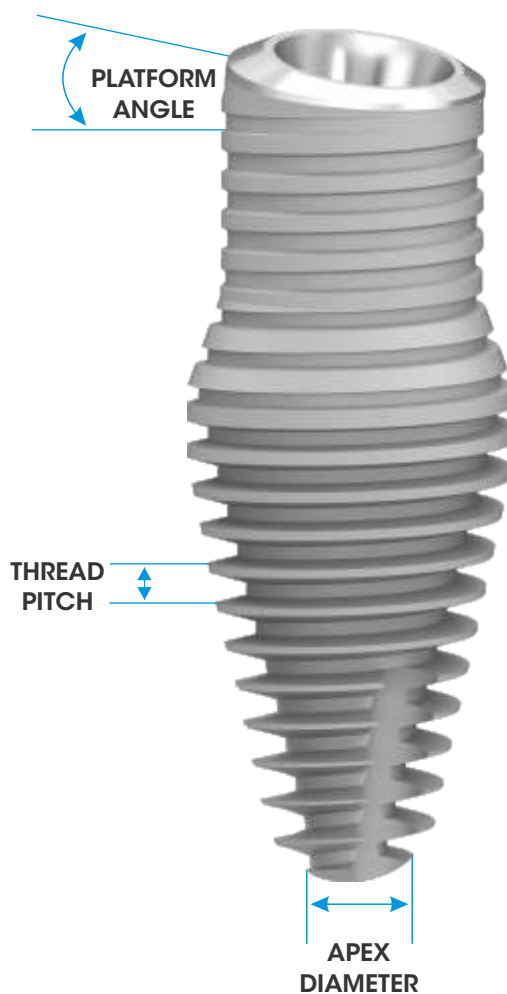
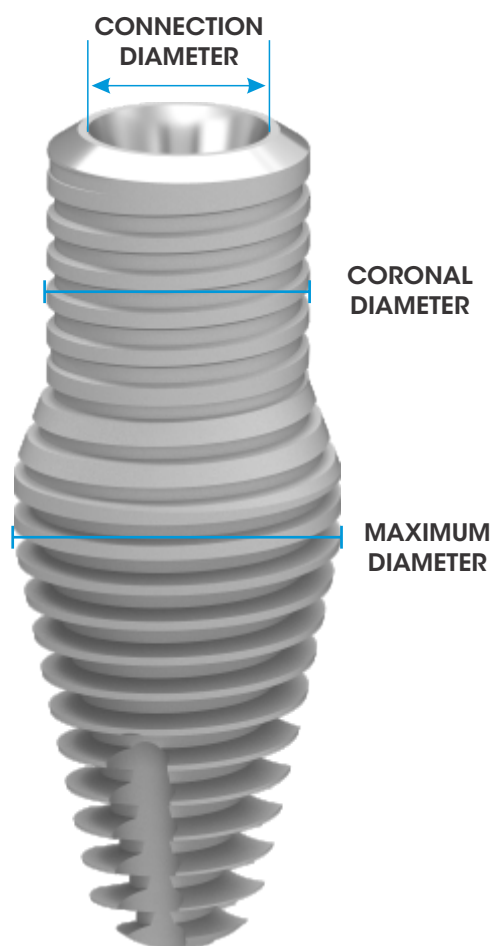
Indicated for patients with higher risk of coronal bone loss (smokers, history of periodontitis, cardiovascular disease).

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

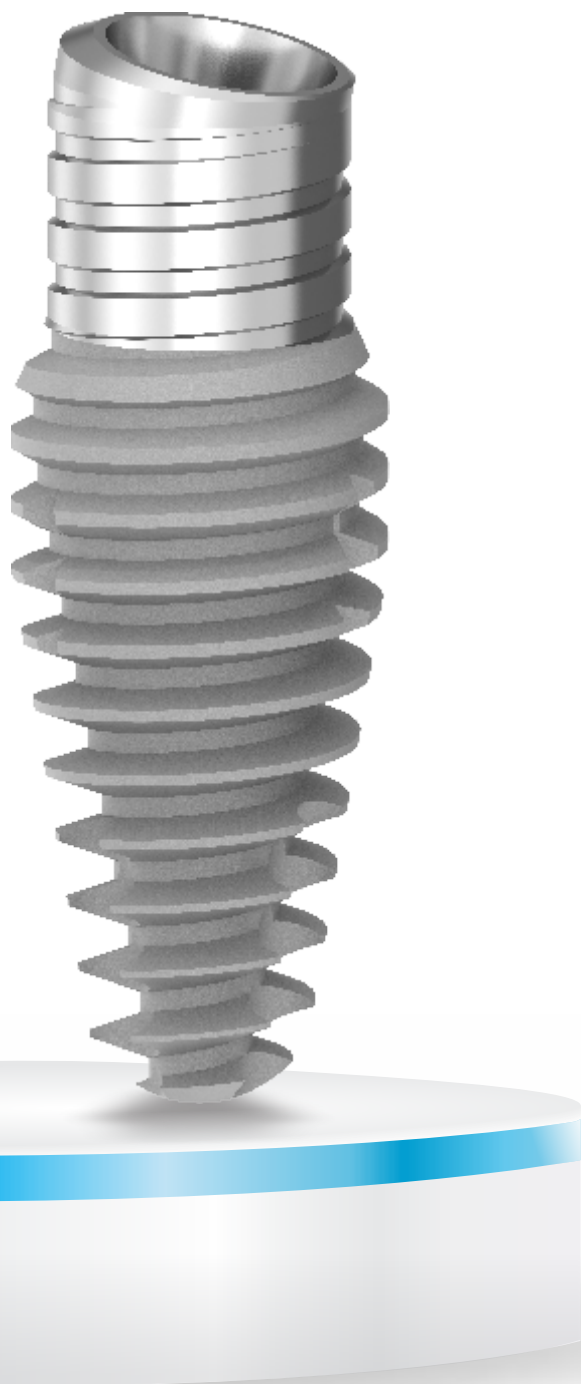




RANGE		CORONAL DIAMETER	MAXIMUM DIAMETER	MSC	PROSTHETICS	CONNECTION DIAMETER	THREAD PITCH	APEX DIAMETER	PLATFORM ANGLE	IMPLANT LENGTHS					
										8	10	11.5	13	15	
	IV-DC30-37	Ø3.0 mm - Ø3.7 mm	3.0	3.75		 Ø3.0 mm	2.3	0.6	2.6	0°					
	IVM-DC30-37	Ø3.0 mm - Ø3.7 mm	3.0	3.75		 Ø3.0 mm	2.3	0.8	2.6	0°					
	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.























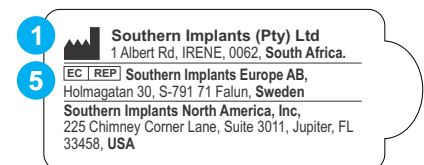
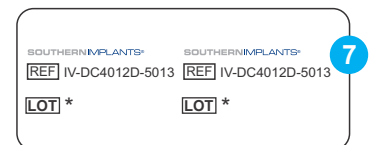
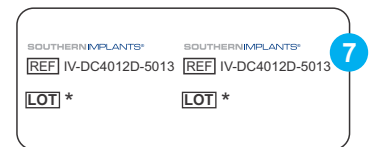
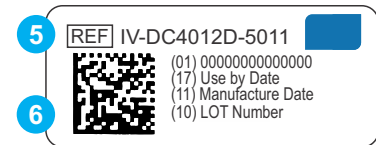
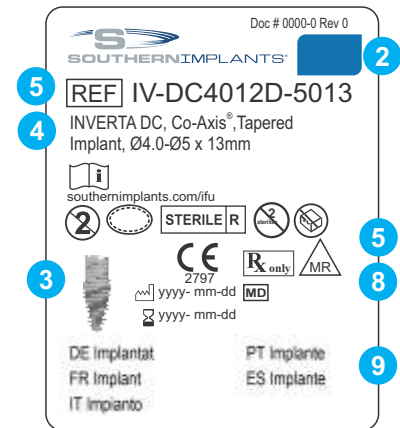
### **HIGH STRENGTH TITANIUM**

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
-  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
- 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](https://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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