



## **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 characterized by Unique and Innovative products which include;

- Multiple interfaces, to suit customer preference.
- INVERTA™ implant, featuring a body-shift design, engineered for primary stability and suitable for immediate loading.
- Co-Axis®, sub-crestal angle correcting implant, available in angulations of 12, 24 & 36° and various internal and external connections.
- MAX implant, specifically designed for immediate molar tooth replacement.
- The ZYGAN and ZYGELEX implants for severely resorbed maxilla and craniofacial reconstruction.

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

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



**Graham Blackbeard**  
Managing Director, Southern Implants

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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™**

Straight

**Ø3.5mm-Ø4.5mm**

**Ø4.0mm-Ø5.0mm**

## INVERTA™ Deep Conical Ø3.5mm-Ø4.5mm



Implants are available in lengths of:

ITEM CODE	IMPLANT LENGTHS (in mm) L1	Coronal Ø D1	Maximum Ø D2
IV-DC35-4510	10.0	3.6mm	4.5mm
IV-DC35-4511	11.5		
IV-DC35-4513	13.0		
IV-DC35-4515	15.0		

## INVERTA Deep Conical Ø4.0mm-Ø5.0mm



Implants are available in lengths of:

ITEM CODE	IMPLANT LENGTHS (in mm) L1	Coronal Ø D1	Maximum Ø D2
IV-DC40-5010	10.0	4.0mm	5.0mm
IV-DC40-5011	11.5		
IV-DC40-5013	13.0		
IV-DC40-5015	15.0		

NOTE: Implant dimensions and information - page 32

## Surgical Components

### COVER SCREW



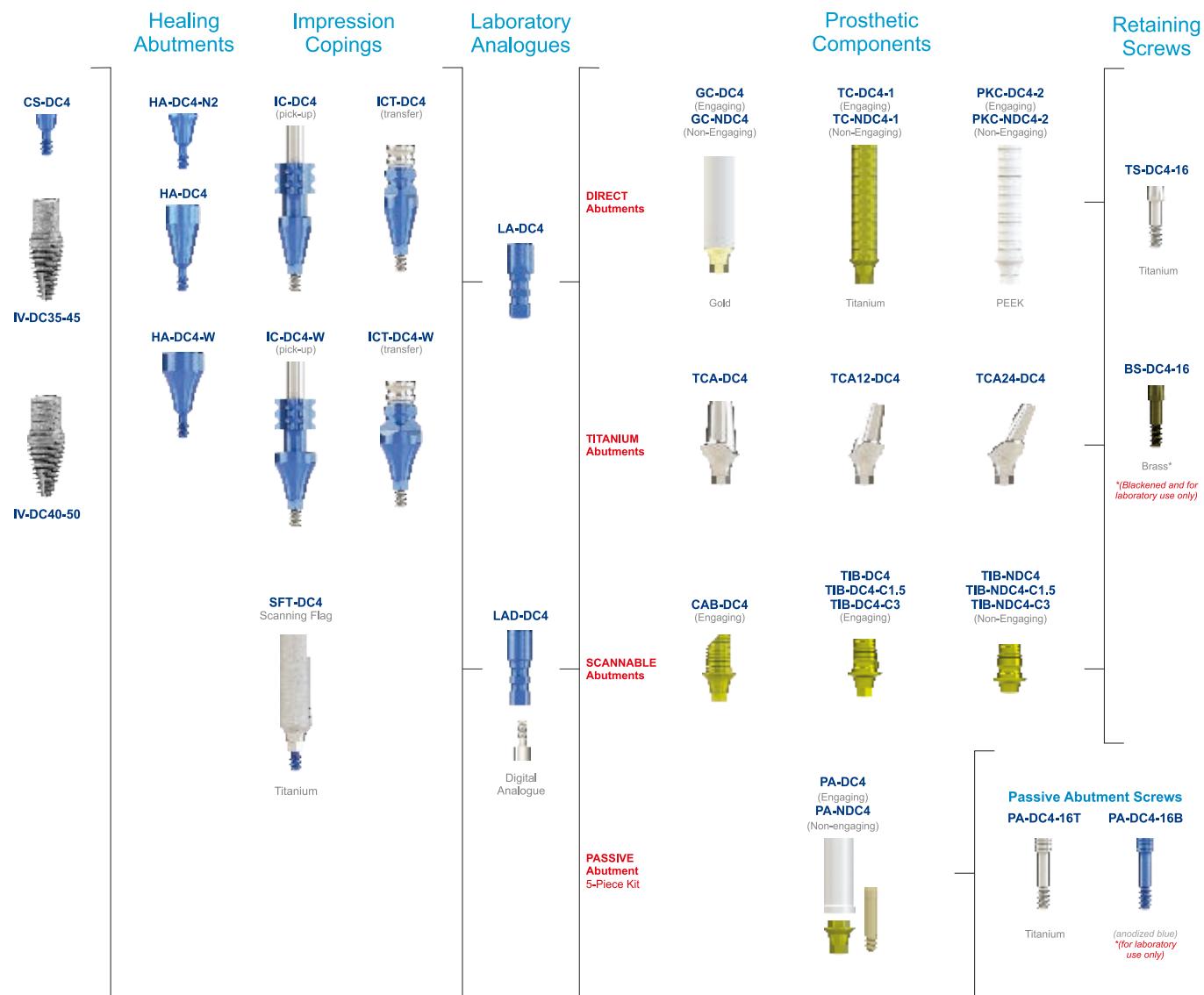
### HEALING ABUTMENTS



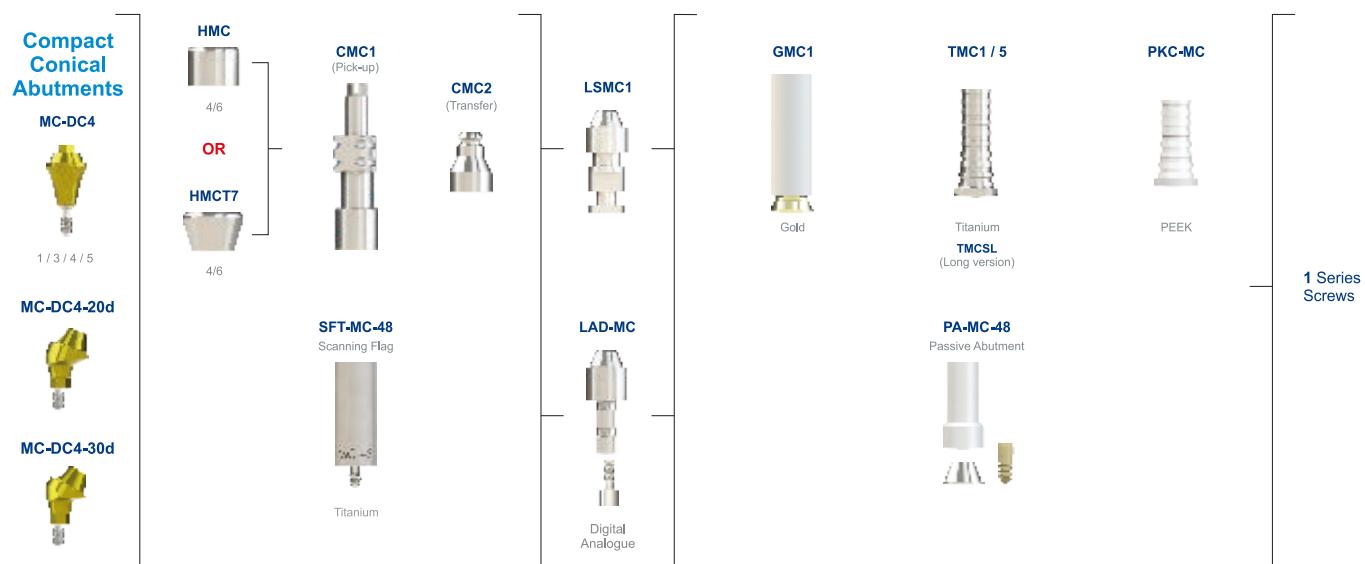
NOTE: TORQUE TO 10Ncm ONLY

## Prosthetic Flowchart

### Direct



### Indirect

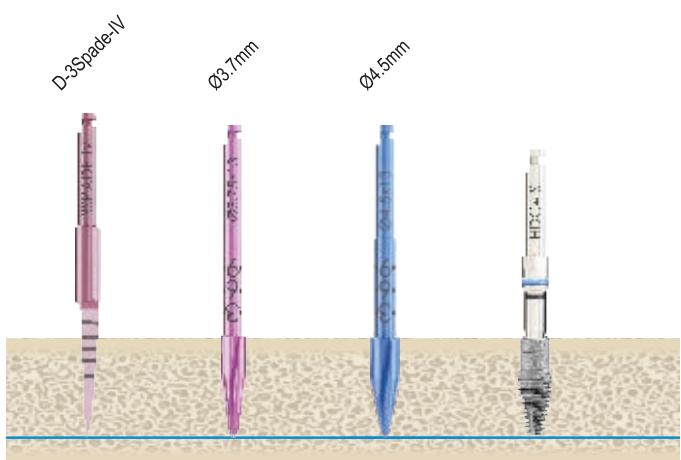


NOTE: • For Overdenture options refer to CAT-1189 Equator Abutments.

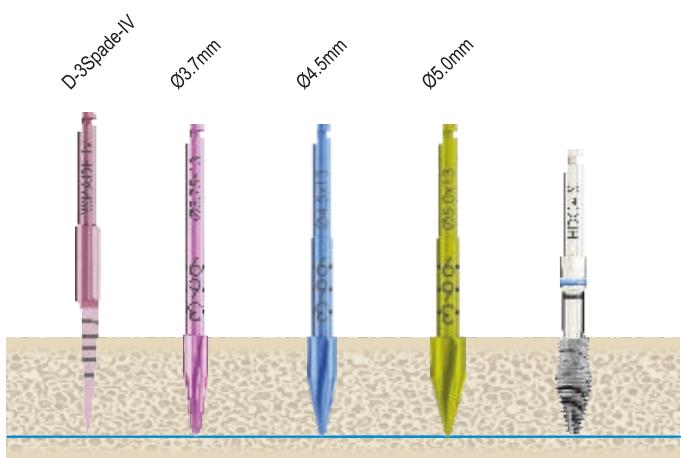
## Site Preparation Sequence

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

(illustrations are for 13mm implants)



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



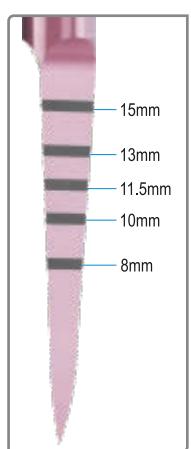
NOTE: Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.

## Drill Information

### Pilot Drill



### Pilot Drill markings



D-3SPADEF-IV

### Tapered Drills



D-IV37xx

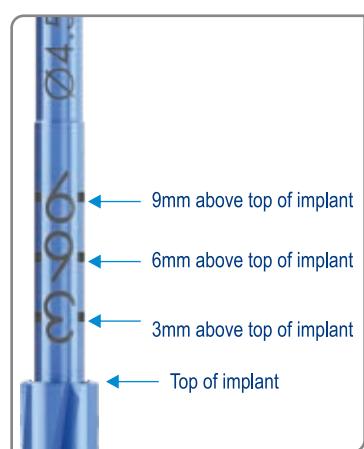


D-IV45xx

### CODES

- D-IV3710/11/13/15
- D-IV4510/11/13/15
- D-IV5010/11/13/15

### Tapered Drill markings



## Instrumentation



### PLACEMENT TOOL

I-HDC4-S/M



I-WI-DC4-S/M



### 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-M



1.22 Universal  
Hex Driver

### TRY-IN / TAPS

IV-TR-45xx



11/13/15

IV-TR-50xx



11/13/15

**NOTE:** - Refer to CAT-1191 for more information on wrench insert converters.  
- Most instruments are available in various lengths



**DEEP CONICAL INVERTA™**

**Co-Axis®**

**Ø3.5mm-Ø4.5mm**

**Ø4.0mm-Ø5.0mm**

## INVERTA™ Deep Conical Co-Axis® 12° Ø3.5mm-Ø4.5mm



IV-DC3512D-4513

### Implants are available in lengths of:

ITEM CODE	IMPLANT LENGTHS (in mm)		Coronal Ø D1	Maximum Ø D2
	L1	L2		
IV-DC3512D-4511	11.5	10.86		
IV-DC3512D-4513	13.0	12.36		
IV-DC3512D-4515	15.0	14.36		

## INVERTA Deep Conical Co-Axis 12° Ø4.0mm-Ø5.0mm



IV-DC4012D-5013

### Implants are available in lengths of:

ITEM CODE	IMPLANT LENGTHS (in mm)		Coronal Ø D1	Maximum Ø D2
	L1	L2		
IV-DC4012D-5011	11.5	10.86		
IV-DC4012D-5013	13.0	12.36		
IV-DC4012D-5015	15.0	14.36		

NOTE: Implant dimensions and information - page 32

## Surgical Components

### COVER SCREW



### HEALING ABUTMENTS

#### HA-DC4-N2



Ø4.0

#### HA-DC4



Ø4.5

4/6  
lengths

#### HA-DC4-W



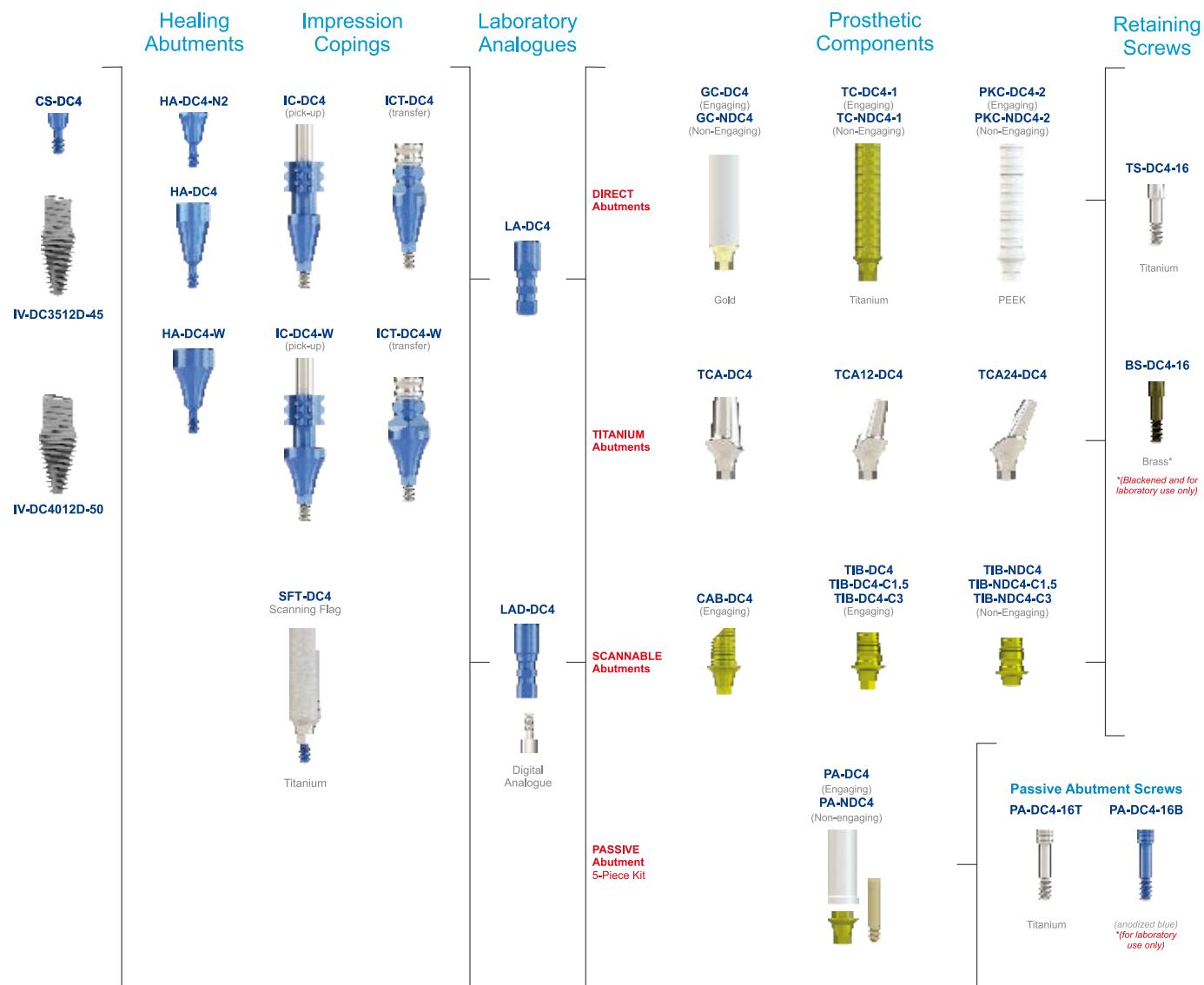
Ø5.5

2/4/6  
lengths

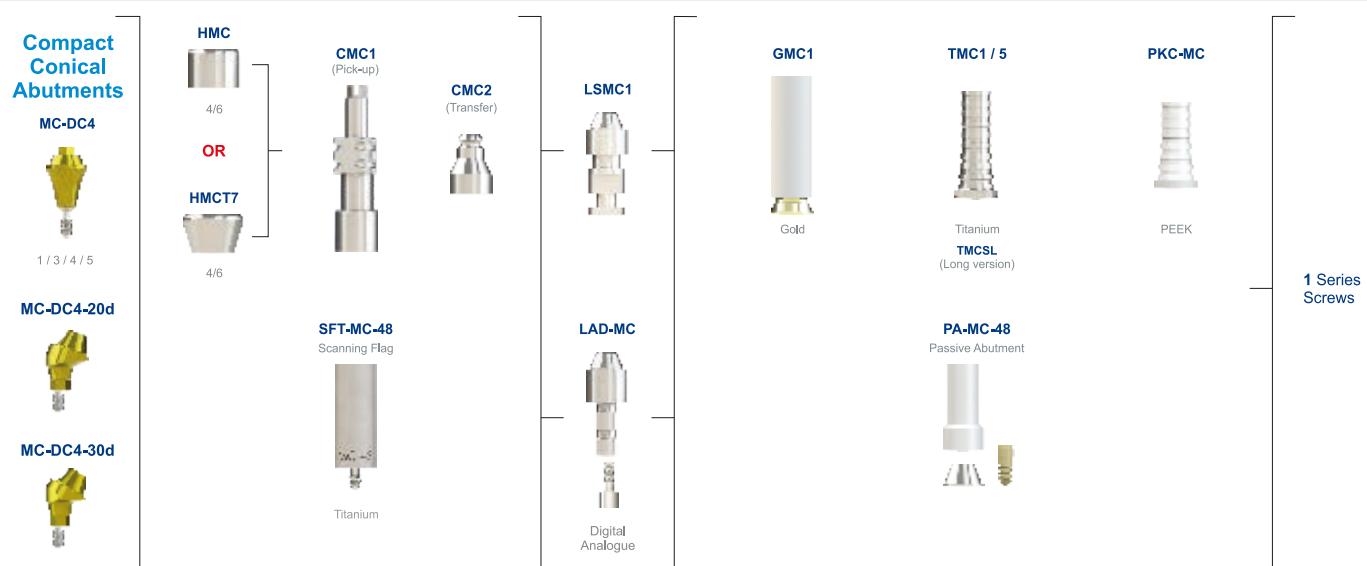
NOTE: TORQUE TO 10Ncm ONLY

## Prosthetic Flowchart

### Direct



### Indirect

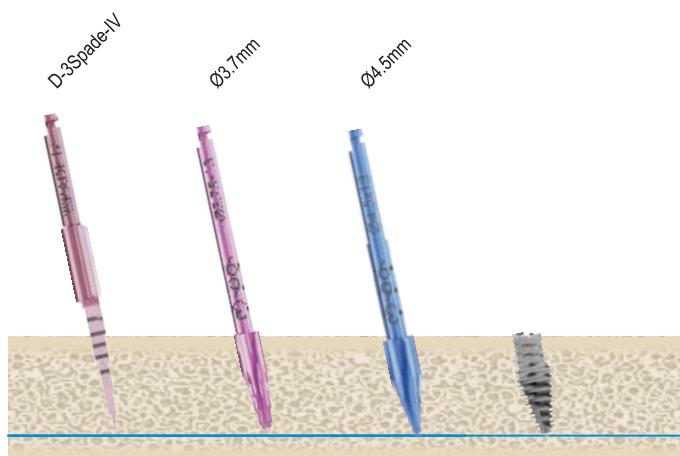


NOTE: • For Overdenture options refer to CAT-1189 Equator Abutments.

## Site Preparation Sequence

### $\varnothing 3.5\text{mm}$ - $\varnothing 4.5\text{mm}$ Tapered Co-Axis® (IV-DC3512d-45)

(illustrations are for 13mm implants)

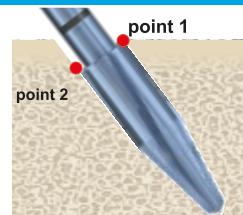


#### \*Final Tapered Drill Position

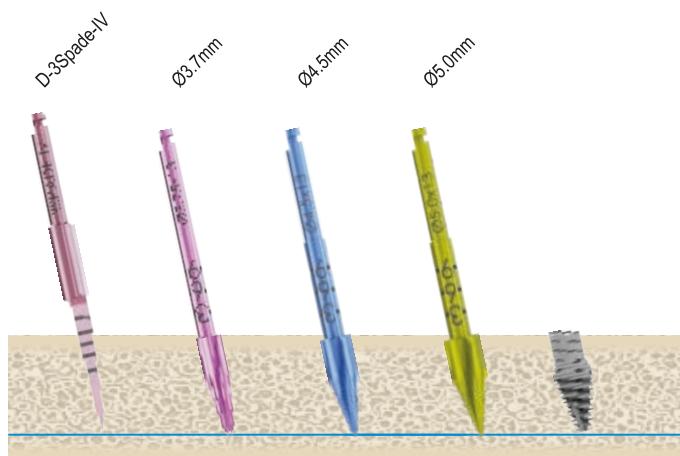
##### PLEASE NOTE:

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

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



### $\varnothing 4.0\text{mm}$ - $\varnothing 5.0\text{mm}$ Tapered Co-Axis® (IV-DC4012d-50)

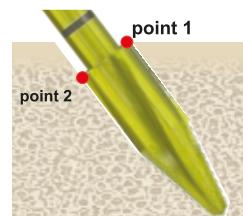


#### \*Final Tapered Drill Position

##### 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.



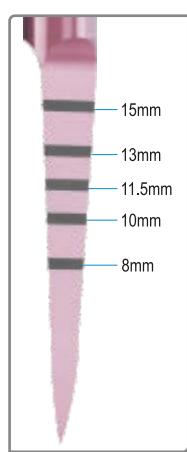
NOTE: Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.

## Drill Information

### Pilot Drill



### Pilot Drill markings



D-3SPADEF-IV

### Tapered Drills



D-IV37xx



D-IV45xx



D-IV50xx

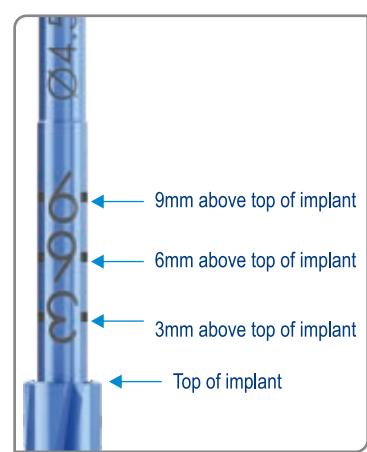
### CODES

D-IV3710/11/13/15

D-IV4510/11/13/15

D-IV5010/11/13/15

### Tapered Drill markings



## Instrumentation



PLACEMENT TOOL			CONVERTERS		
I-CON-X	I-HDC4-S/M	I-WI-DC4-S/M	I-WI-CST	I-WI-SS	I-WI-SH
Fixture Mount Driver	Handpiece Driver Conversion Tool	Square Connection Adapter	Yellow Hex Connection Adapter	Square Connection Adapter	Hex Connection Adapter
DRIVERS			TRY-IN / TAPS		
I-HD-22U-M	IV-TR-45xx IV-TR-50xx			Blue Try-In Tap	Yellow Try-In Tap
1.22 Universal Hex Driver	11/13/15	11/13/15			

**NOTE:** - Refer to CAT-1191 for more information on wrench insert converters.  
- Most instruments are available in various lengths



# **EXTERNAL HEX INVERTA™**

**Straight**

**Ø3.5mm-Ø4.5mm**

**Ø4.0mm-Ø5.0mm**

## INVERTA™ External Hex Ø3.5mm-Ø4.5mm



Implants are pre-mounted and available in lengths of:

ITEM CODE	IMPLANT LENGTHS (in mm) L1	Coronal Ø D1	Maximum Ø D2
IV-EX35-4510	10.0	3.5mm	4.5mm
IV-EX35-4511	11.5		
IV-EX35-4513	13.0		
IV-EX35-4515	15.0		

## INVERTA External Hex Ø4.0mm-Ø5.0mm



Implants are pre-mounted and available in lengths of:

ITEM CODE	IMPLANT LENGTHS (in mm) L1	Coronal Ø D1	Maximum Ø D2
IV-EX40-5010	10.0	4.0mm	5.0mm
IV-EX40-5011	11.5		
IV-EX40-5013	13.0		
IV-EX40-5015	15.0		

NOTE: Implant dimensions and information - page 33

## Surgical Components

### COVER SCREW



### HEALING ABUTMENTS



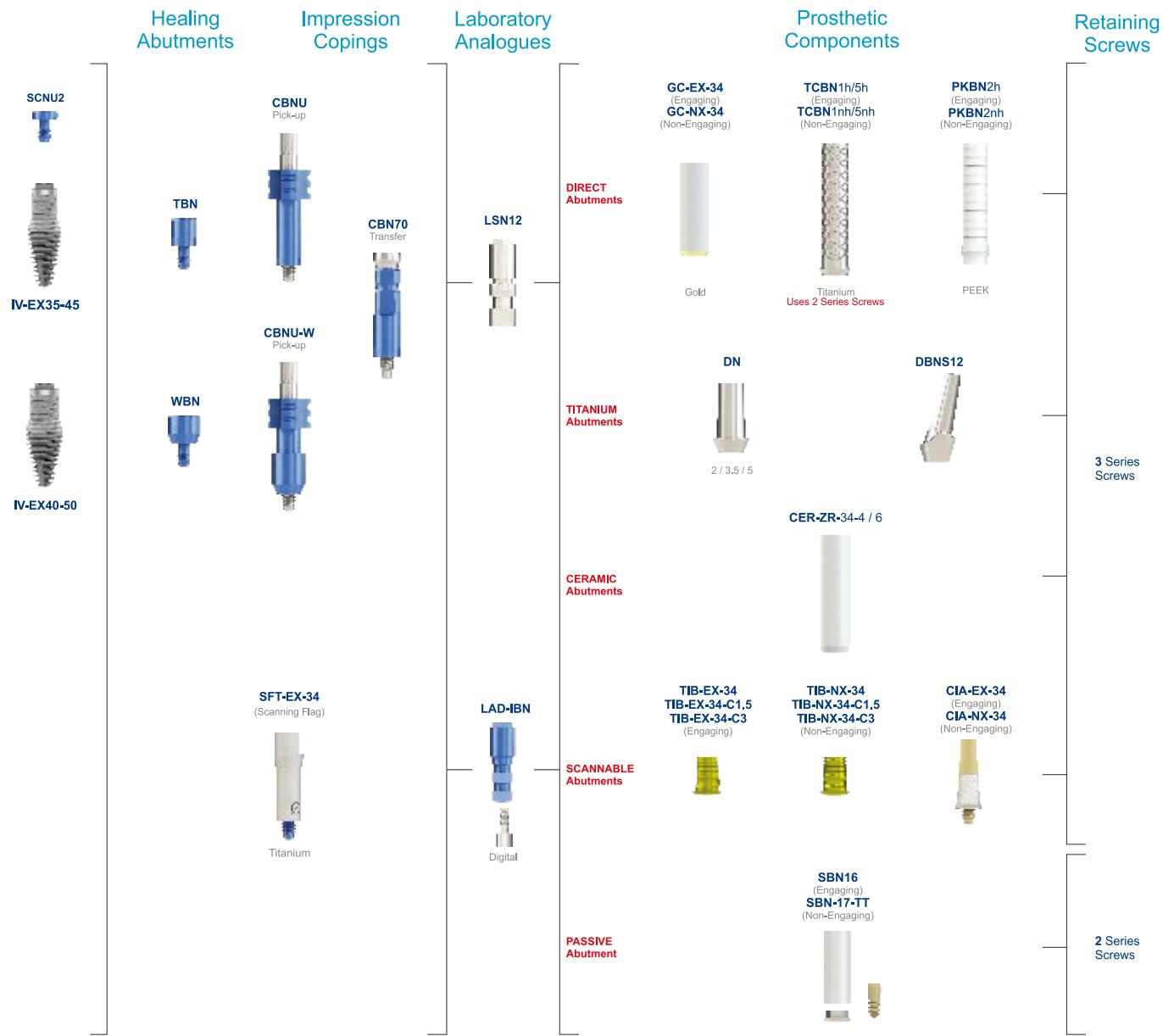
2/3/4/6/8  
lengths

2/3/4/6  
lengths

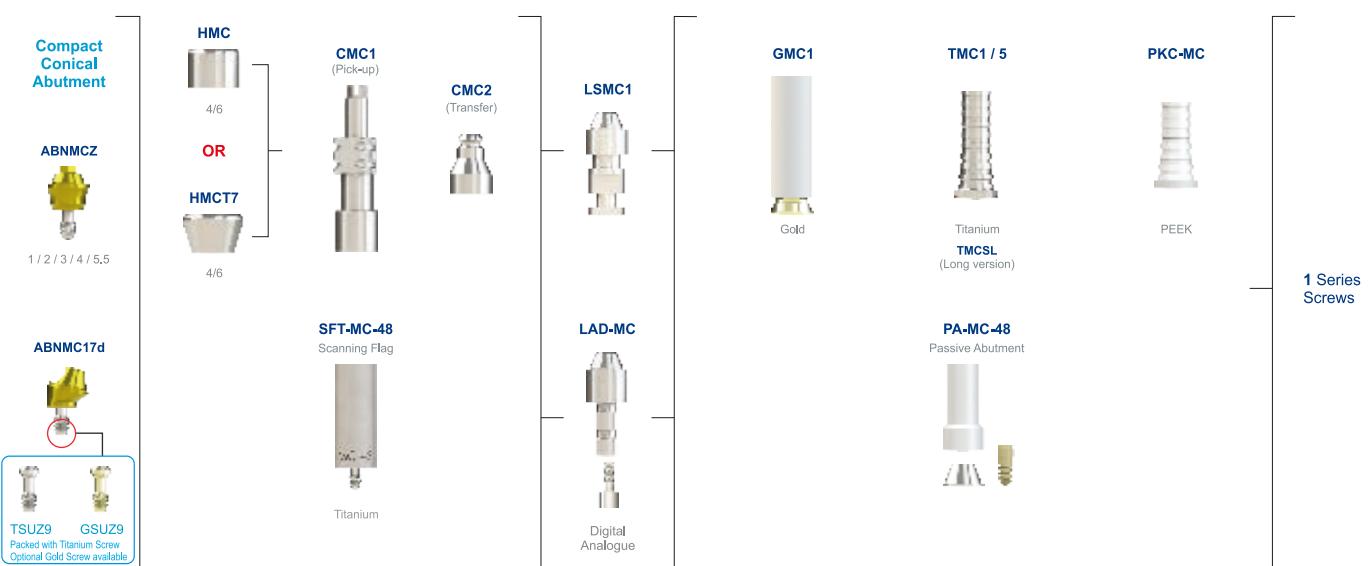
NOTE: TORQUE TO 20Ncm

## Prosthetic Flowchart

### Direct



### Indirect

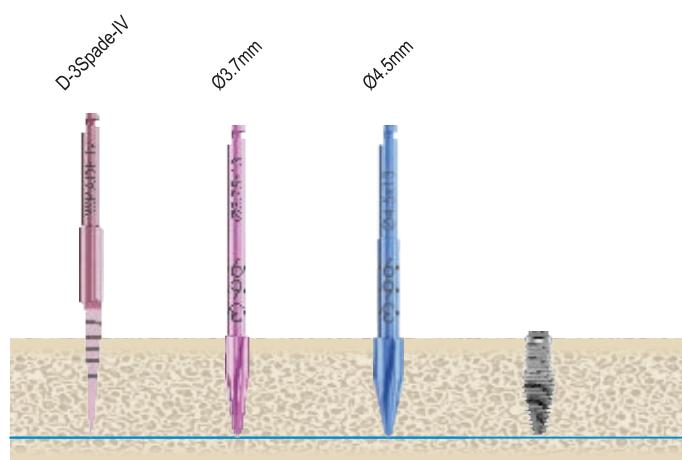


NOTE: • For Overdenture options refer to CAT-1189 Equator Abutments.

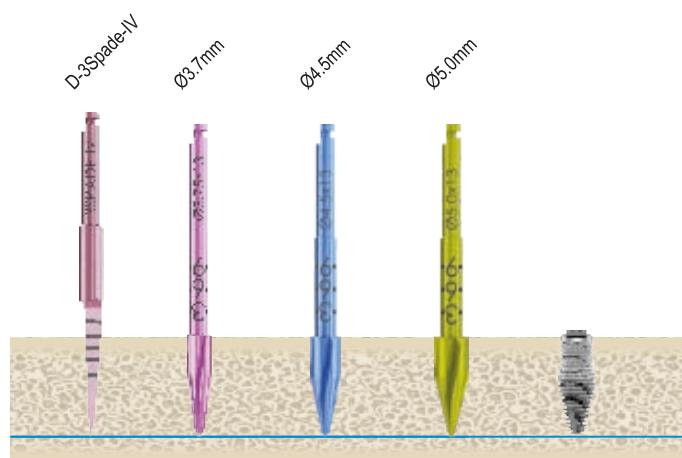
## Site Preparation Sequence

### **Ø3.5mm-Ø4.5mm Tapered (IV-EX35-45)**

(illustrations are for 13mm implants)



### **Ø4.0mm-Ø5.0mm Tapered (IV-EX40-50)**



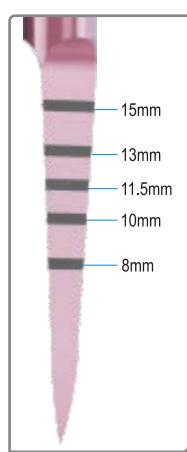
NOTE: Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.

## Drill Information

### Pilot Drill



### Pilot Drill markings



D-3SPADEF-IV

### Tapered Drills



D-IV37xx



D-IV45xx

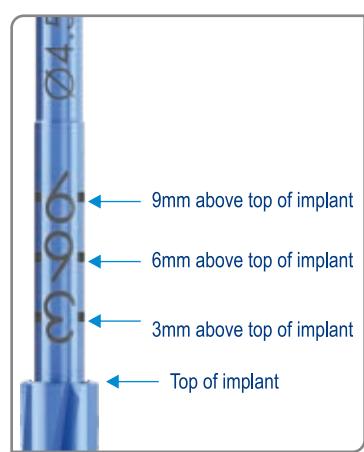


D-IV50xx

### CODES

- D-IV3710/11/13/15
- D-IV4510/11/13/15
- D-IV5010/11/13/15

### Tapered Drill markings



## Instrumentation



PLACEMENT TOOL		CONVERTERS		
I-CON-X		I-WI-CST	I-WI-SH	I-WI-SS
Fixture Mount Driver		For Handpiece inserts (Latch-type) featuring the W&H hex.	For HEX connection of fixture mounts	For SQUARE connection of fixture mounts and instruments
<hr/>				
DRIVERS		TRY-IN / TAPS		
<b>I-CS-HD</b> Cover Screw Driver 0.9 Hex	<b>I-HD-22U-M</b> 1.22 Universal Hex Driver	<b>IV-TR-45xx</b> 11/13/15	<b>IV-TR-50xx</b> 11/13/15	

**NOTE:** - Refer to CAT-1191 for more information on wrench insert converters.  
- Most instruments are available in various lengths



**EXTERNAL HEX INVERTA™**

**Co-Axis®**

**Ø3.5mm-Ø4.5mm**

**Ø4.0mm-Ø5.0mm**

## INVERTA™ External Hex Co-Axis® 12° Ø3.5mm-Ø4.5mm



IV-EX3512D-4513

Implants are pre-mounted and available in lengths of:

ITEM CODE	IMPLANT LENGTHS (in mm)		Coronal Ø D1	Maximum Ø D2
	L1	L2		
IV-EX3512D-4511	11.5	10.78		
IV-EX3512D-4513	13.0	12.28		
IV-EX3512D-4515	15.0	14.28		

## INVERTA External Hex Co-Axis 12° Ø4.0mm-Ø5.0mm



IV-EX4012D-5013

Implants are pre-mounted and available in lengths of:

ITEM CODE	IMPLANT LENGTHS (in mm)		Coronal Ø D1	Maximum Ø D2
	L1	L2		
IV-EX4012D-5011	11.5	10.72		
IV-EX4012D-5013	13.0	12.22		
IV-EX4012D-5015	15.0	14.22		

NOTE: Implant dimensions and information - page 33

## Surgical Components

### COVER SCREW



### HEALING ABUTMENTS



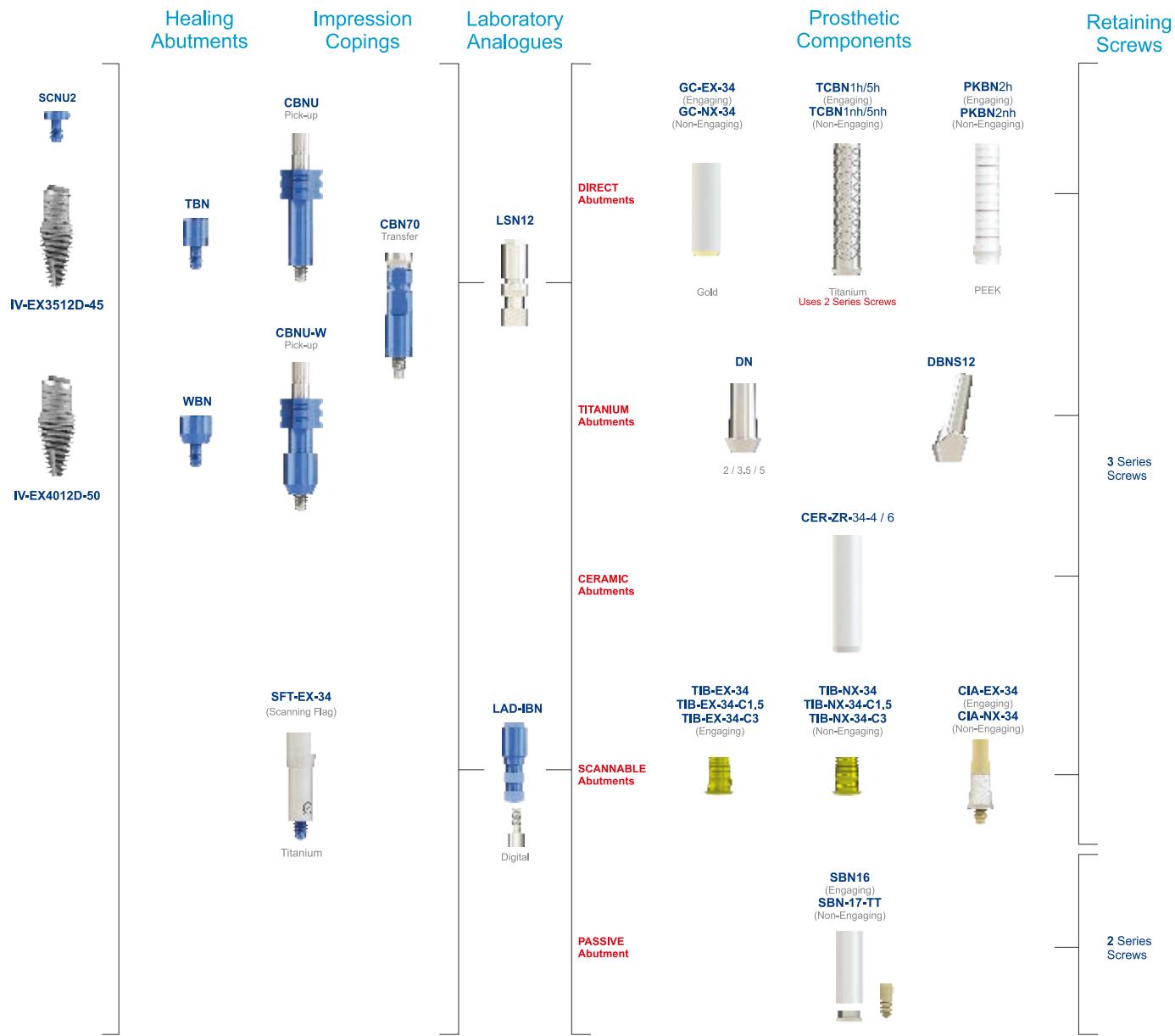
2/3/4/6/8  
lengths

2/3/4/6  
lengths

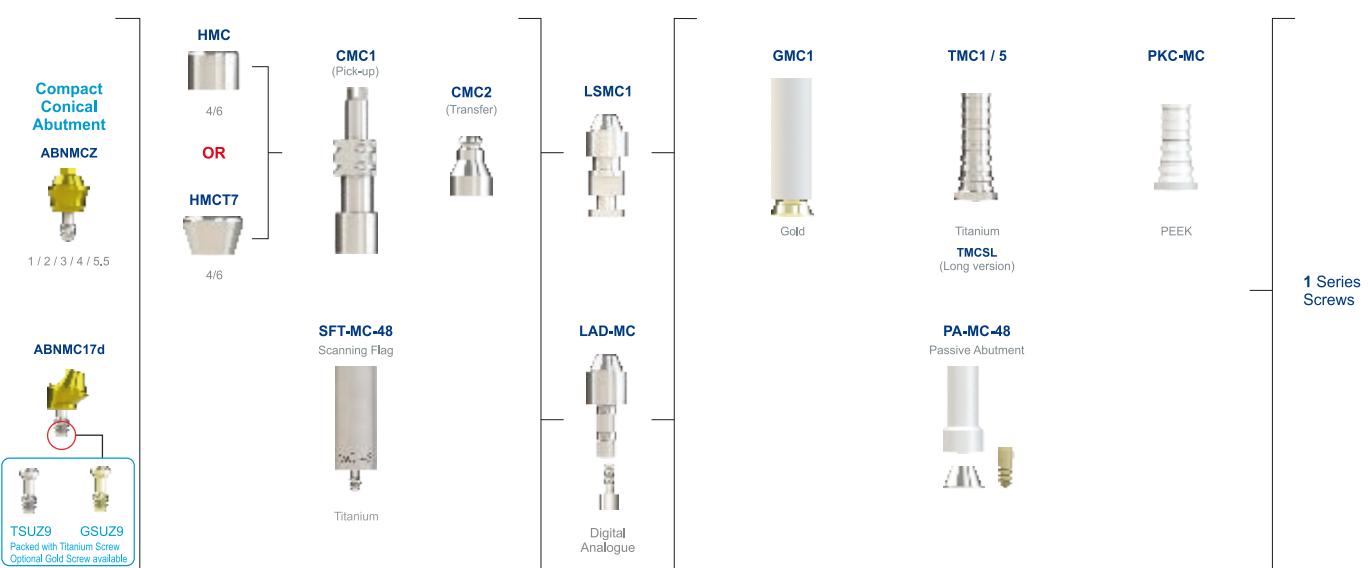
NOTE: TORQUE TO 20Ncm

# Prosthetic Flowchart

## Direct



## Indirect

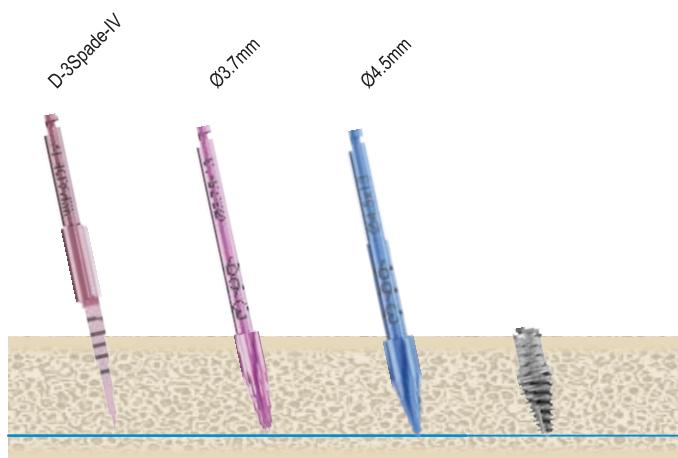


TSUZ9 GSUZ9  
Packed with Titanium Screw  
Optional Gold Screw available

## Site Preparation Sequence

### $\varnothing 3.5\text{mm}$ - $\varnothing 4.5\text{mm}$ Tapered Co-Axis® (IV-EX3512d-45)

(illustrations are for 13mm implants)

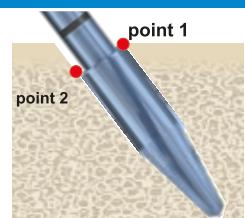


#### \*Final Tapered Drill Position

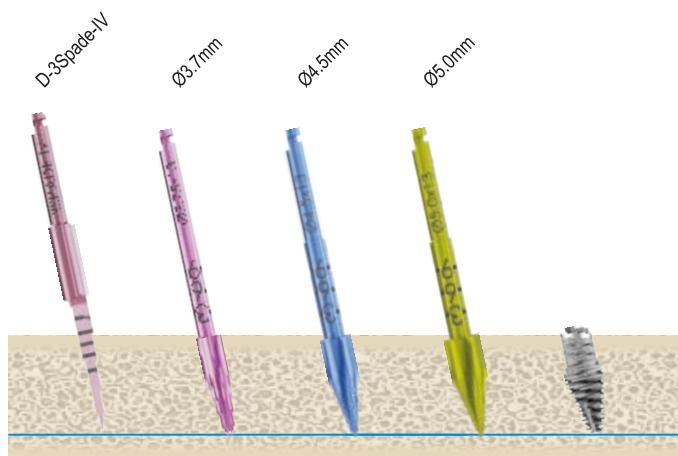
##### PLEASE NOTE:

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

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



### $\varnothing 4.0\text{mm}$ - $\varnothing 5.0\text{mm}$ Tapered Co-Axis® (IV-EX4012d-50)

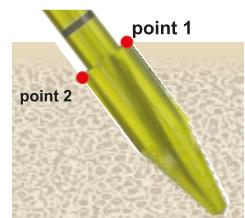


#### \*Final Tapered Drill Position

##### 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.



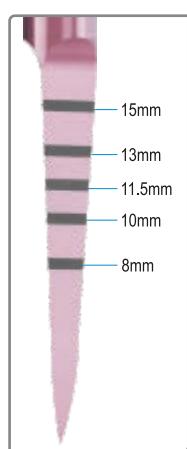
NOTE: Site preparation sequence recommended by Southern Implants does not replace the judgement and experience of the surgeon.

## Drill Information

### Pilot Drill



### Pilot Drill markings



D-3SPADEF-IV

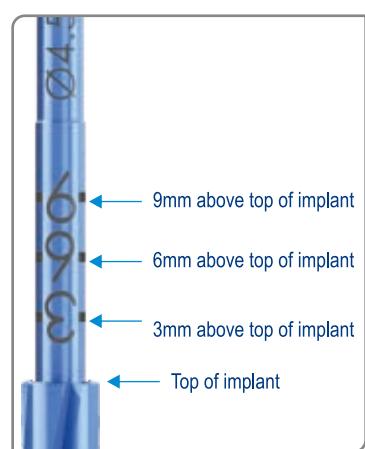
### Tapered Drills



### CODES

- D-IV3710/11/13/15
- D-IV4510/11/13/15
- D-IV5010/11/13/15

### Tapered Drill markings



## Instrumentation



PLACEMENT TOOL	CONVERTERS		
<b>I-CON-X</b>  Fixture Mount Driver	<b>I-WI-CST</b>  For Handpiece inserts (Latch-type) featuring the W&H hex.	<b>I-WI-SH</b>  For HEX connection of fixture mounts	<b>I-WI-SS</b>  For SQUARE connection of fixture mounts and instruments
DRIVERS	TRY-IN / TAPS		
<b>I-CS-HD</b>  Cover Screw Driver 0.9 Hex	<b>I-HD-22U-M</b>  1.22 Universal Hex Driver	<b>IV-TR-45xx</b>  11/13/15	<b>IV-TR-50xx</b>  11/13/15

**NOTE:** - Refer to CAT-1191 for more information on wrench insert converters.  
- Most instruments are available in various lengths

## TORQUE TABLE FOR SOUTHERN SCREWS

### EXTERNAL HEX

#### 2 SERIES Z Screws 1.22 Hex (M2)



**TORQUE:**  
32-40Ncm  
**Head Diameter:**  
2.70mm

TSHZ2

#### Laboratory Screws



BSH2\*

#### 3 SERIES Z Screws 1.22 Hex (M2)



**TORQUE:**  
32-40Ncm  
**Head Diameter:**  
2.40mm

TSHZ3



BSH3\*

**Note:** Screw TORQUE with PEEK Prosthetics for < Ø4.0mm implant interfaces torque to 15Ncm  
≥ Ø4.0mm implant interfaces torque to 20Ncm

### DC (DEEP CONICAL)

#### 1.22 Hex



**M1.6**  
**DC4 TORQUE:**  
20Ncm  
**Head Diameter:**  
2.35mm

TS-DC4-16

#### Laboratory Screw



BS-DC4-16\*

#### 1.22 Hex Passive Abutment Screws



**M1.6**  
**TORQUE:**  
20Ncm  
**Head Diameter:**  
2.40mm

PA-DC4-16T

#### Laboratory Screw



PA-DC4-16B\*  
(\*anodized blue)

**Note:** Screw TORQUE with PEEK Prosthetics: DC4 interface 20Ncm

### ANGLED COMPACT CONICAL ABUTMENT SCREWS

#### DC (Deep Conical)



**1.22 Hex**  
  
TS-DC4-MC

**TORQUE:**  
20Ncm  
**Head Diameter:**  
2.0mm

#### External Hex

##### Series 9Z Screws (M2)

Unigrip



TSUZ9



GSUZ9

**TORQUE:**  
20Ncm  
**Head Diameter:**  
2.50mm

#### Digital Laboratory Analogue Screw

##### 1.22 Hex



**TORQUE:**  
Finger tighten

LAD-S

**NOTE:** Screw supplied with all Digital Analogue

### 1 SERIES SCREW OPTIONS

Unigrip



TSU1

1.22 Hex



GSH1

**TORQUE:**  
10-15Ncm  
**Head Diameter:**  
2.25mm

#### Laboratory Screw

##### 1.22 Hex



**BSH1\***  
\*(Blackened and for laboratory use only)

#### Screw Head Connections

**Hex**



**Unigrip**



- NOTE:**
- Due to design revisions screw tips may be flat or rounded.
  - Always ensure that the correct screw is used for the relevant implant and component.
  - Refer to CAT-1003 for alternative slotted 1 Series screws

## DRIVER INFORMATION

### Drivers

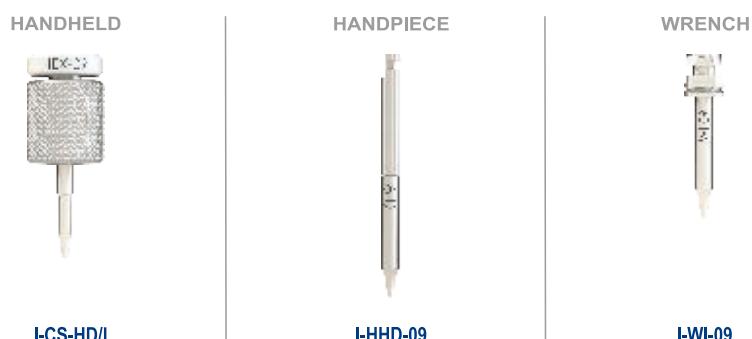


### Abutment Drivers (for Compact Conical Abutments)



### Cover Screw Drivers

0.9 HEX



### Drivers for 1 Series Screws (for Compact Conical Prosthetics)

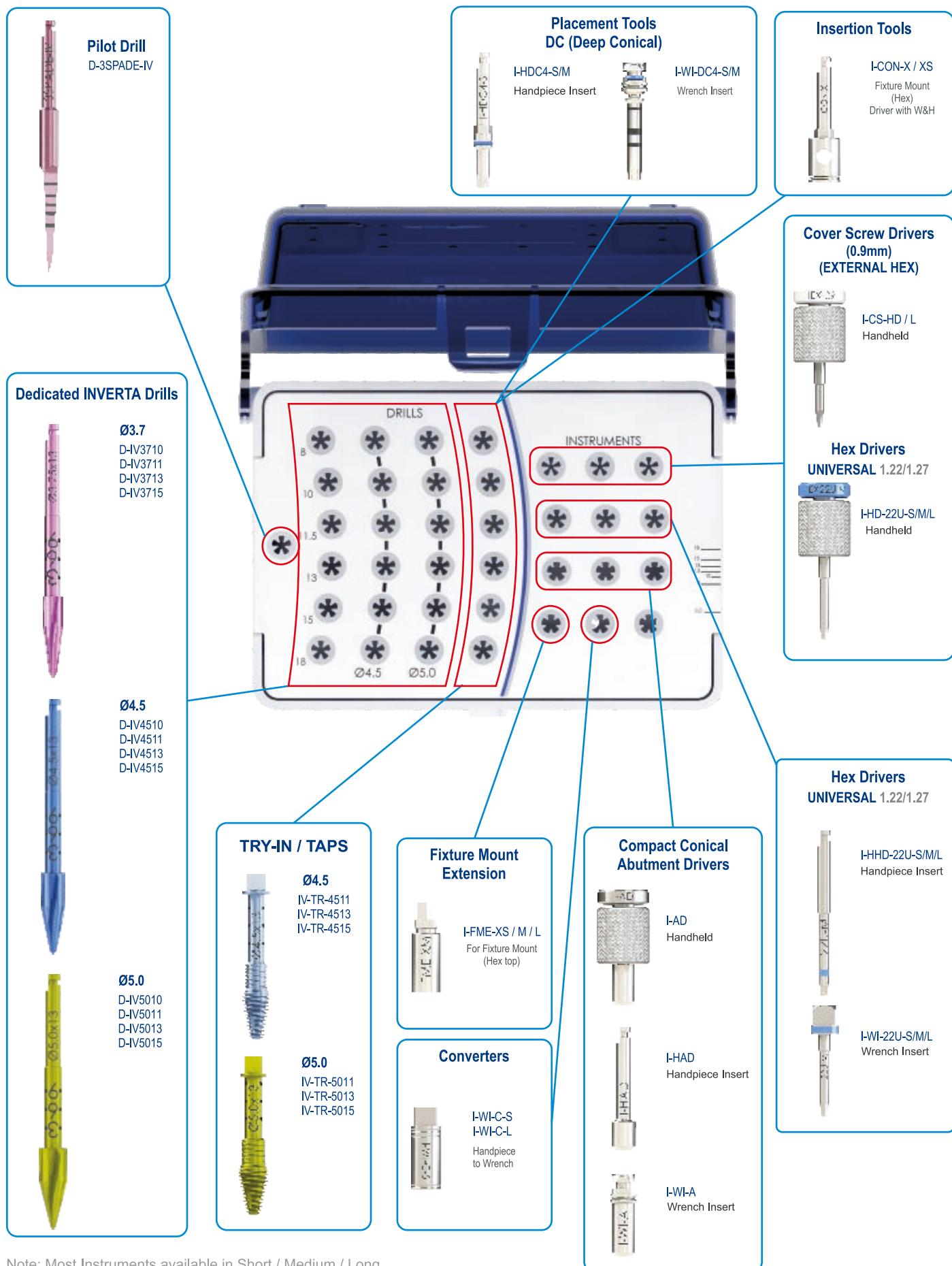
1.22 HEX



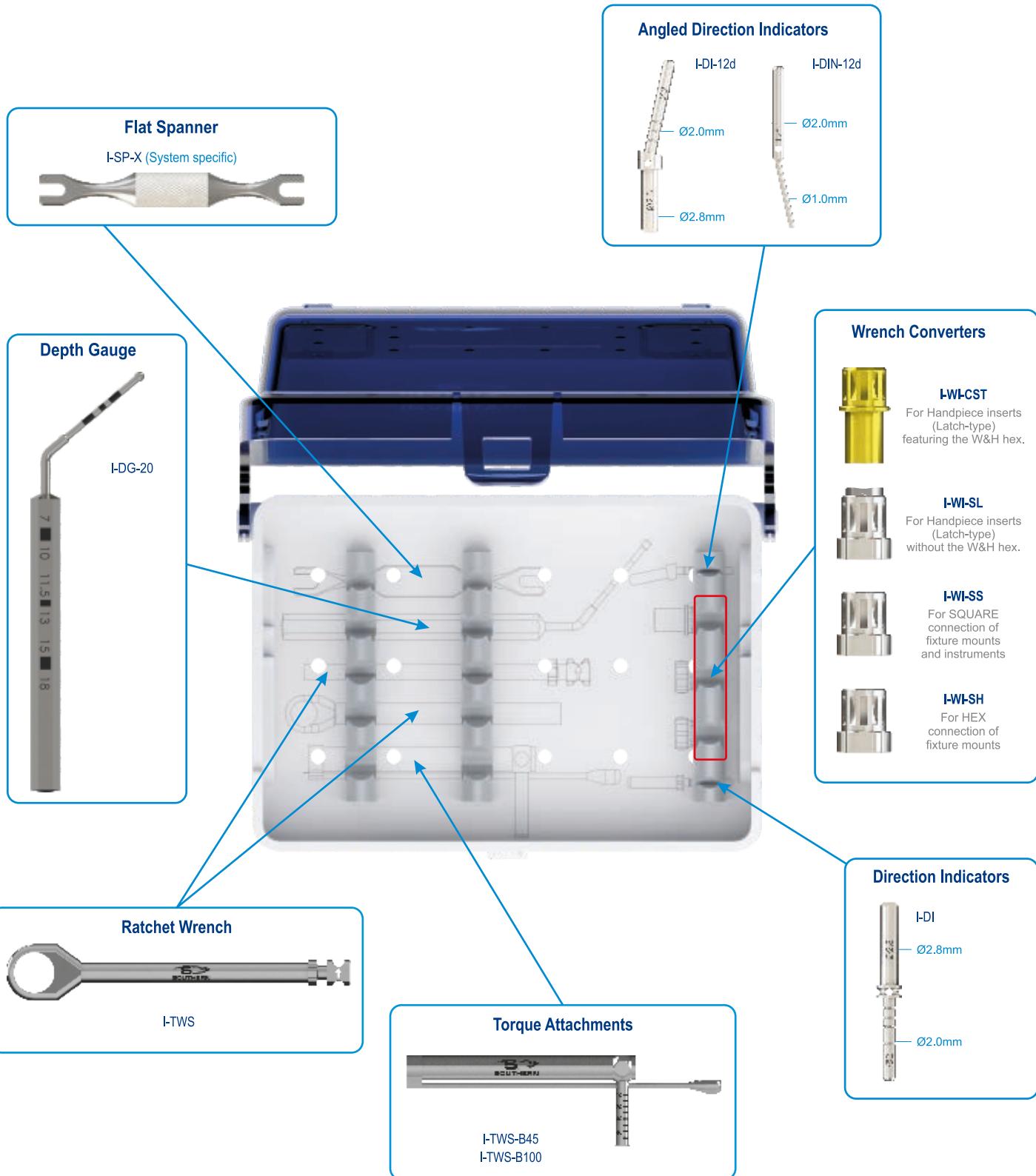
NOTE: Refer to CAT-1203 for alternative drivers

## INSTRUMENT TRAY

### I-HV-EG for surgical placement of INVERTA Implants



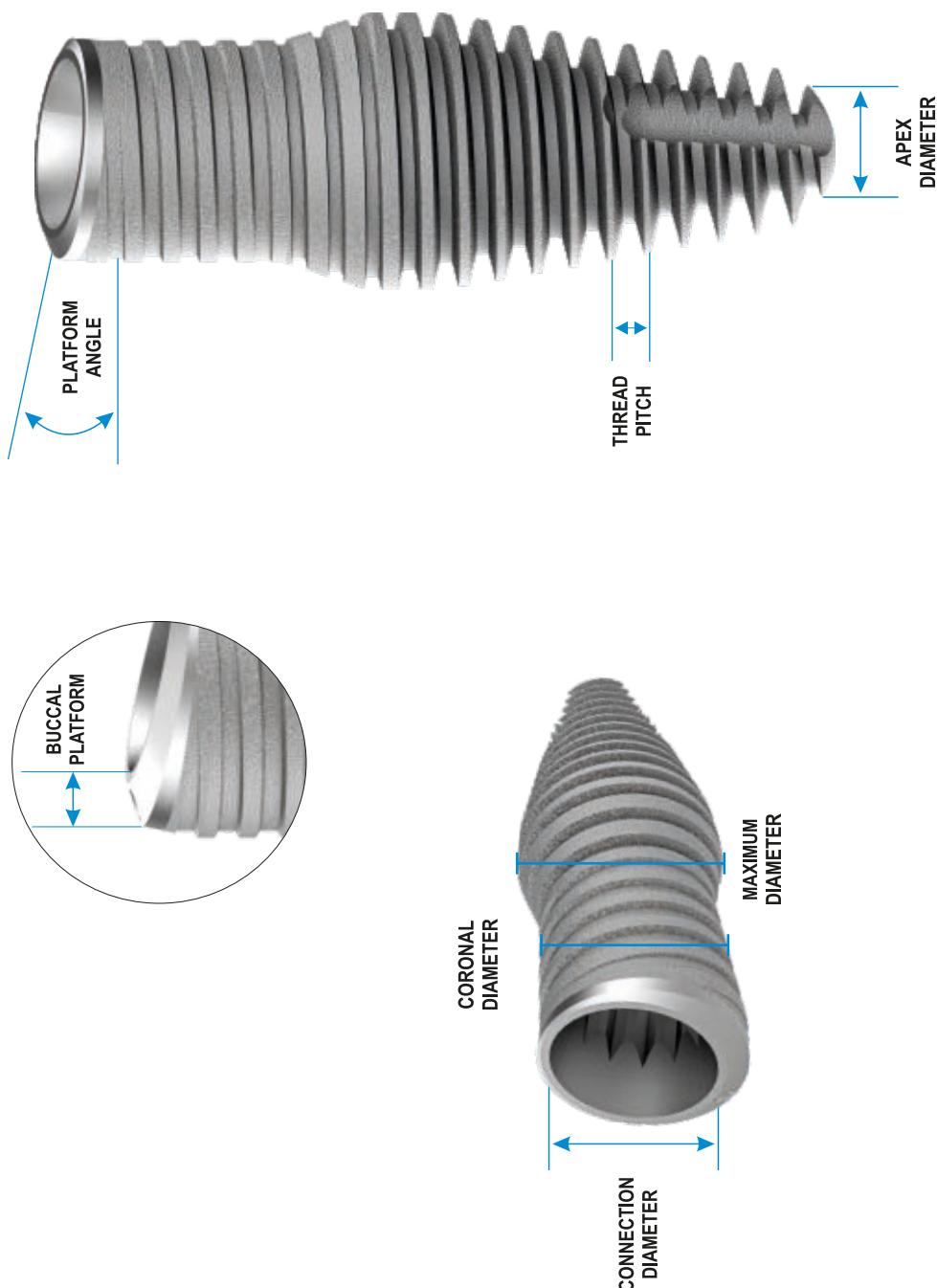
Note: Most Instruments available in Short / Medium / Long.



The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.

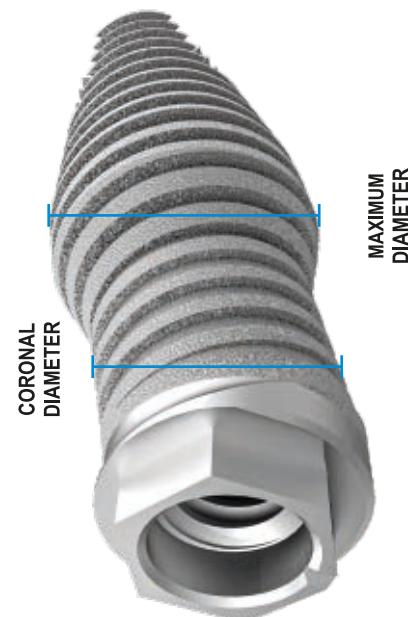
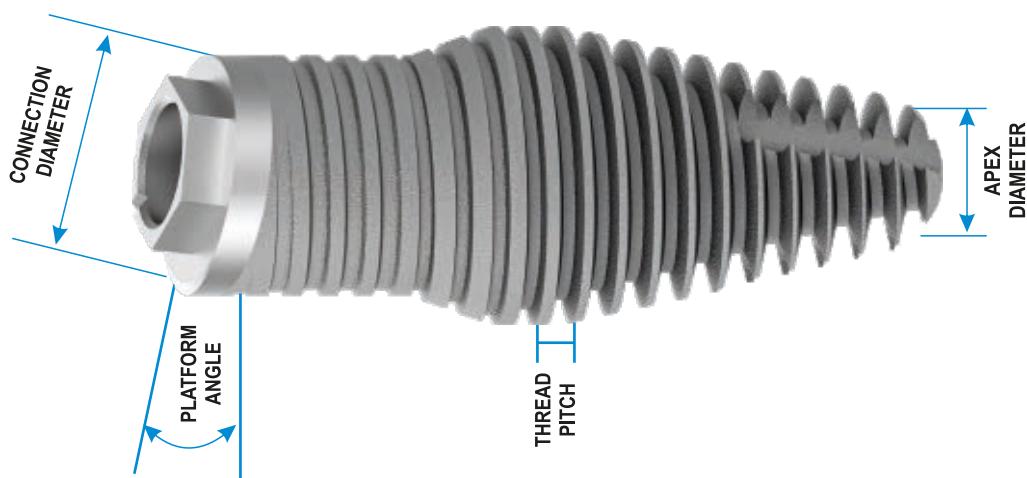
All instruments and tooling used during the procedure must be maintained in good condition, and cleaned and sterilized prior to use. Please consult the Southern Implants Cleaning and Sterilization Procedure Guidelines (CAT-1039) for guidance concerning the maintenance of drills, instruments, and surgical trays.

RANGE		CORONAL DIAMETER	MAXIMUM DIAMETER	PROSTHETICS	CONNECTION DIAMETER	THREAD PITCH	APEX DIAMETER	BUCCAL PLATFORM	PLATFORM ANGLE	IMPLANT LENGTHS
IV-DC35-45	Ø3.5mm-Ø4.5mm	3.6	4.5		2.8	0.6	2.6	0.40	0°	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
IV-DC40-50	Ø4.0mm-Ø5.0mm	4.0	5.0		2.8	0.6	2.6	0.60	0°	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
IV-DC35/12D-45	Ø3.5mm-Ø4.5mm	3.6	4.5		2.8	0.6	2.6	0.52	12°	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
IV-DC40/12D-50	Ø4.0mm-Ø5.0mm	4.0	5.0		2.8	0.6	2.6	0.72	12°	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓



Not all products are cleared for sale in all countries.

RANGE	CORONAL DIAMETER	MAXIMUM DIAMETER	Prosthetics	CONNECTION DIAMETER	THREAD PITCH	APEX DIAMETER	BUCCAL PLATFORM	PLATFORM ANGLE	IMPLANT LENGTHS
IV-EX35-45	Ø3.5mm-Ø4.5mm	3.5	4.5	Ø3.4	0.6	2.6	0.04	0°	10 11.5 13 15
IV-EX40-50	Ø4.0mm-Ø5.0mm	4.0	5.0	Ø3.4	0.6	2.6	0.32	0°	✓ ✓ ✓ ✓ ✓ ✓
IV-EX3512D-45	Ø3.5mm-Ø4.5mm	3.5	4.5	Ø3.4	0.6	2.6	0.12	12°	✓ ✓ ✓ ✓ ✓ ✓
IV-EX4012D-50	Ø4.0mm-Ø5.0mm	4.0	5.0	Ø3.4	0.6	2.6	0.52	12°	✓ ✓ ✓ ✓ ✓ ✓



## ADDITIONAL INSTRUMENT INFORMATION

### BONE MILLS

#### DC (Deep Conical)

HANDHELD



#### CODES

I-HBM-DC35  
I-HBM-DC40

#### EXTERNAL HEX

HANDPIECE



#### CODES

I-BNM-45  
I-BNM-55

#### Bone Mill Protector Cap



I-BNM-CAP

NOTE: • Refer to CAT-1009 for more information on Bone Mills  
• For Polishing Protector Caps refer to CAT-1010

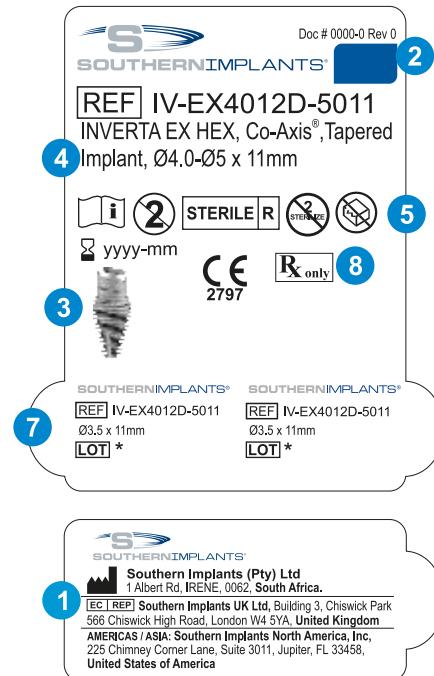
## EXPLANATION OF SYMBOLS

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** Sterilization using Irradiation
  - Do not Resterilize
  - Consult instruction for use
  - Do not reuse
- 6** CE mark and notified body number
 

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.



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



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