INVERTA™ Implants
Product Catalogue

Version 1.2
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 ZYGEX implants for severely resorbed maxilla and craniofacial reconstruction.

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

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

Graham Blackbeard
Managing Director, Southern Implants
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.
### INVERTA™ Deep Conical Ø3.5mm-Ø4.5mm

Implants are available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (L1)</th>
<th>Coronal Ø D1</th>
<th>Maximum Ø D2</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV-DC35-4510</td>
<td>10.0</td>
<td>3.6mm</td>
<td>4.5mm</td>
</tr>
<tr>
<td>IV-DC35-4511</td>
<td>11.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-DC35-4513</td>
<td>13.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-DC35-4515</td>
<td>15.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### INVERTA Deep Conical Ø4.0mm-Ø5.0mm

Implants are available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (L1)</th>
<th>Coronal Ø D1</th>
<th>Maximum Ø D2</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV-DC40-5010</td>
<td>10.0</td>
<td>4.0mm</td>
<td>5.0mm</td>
</tr>
<tr>
<td>IV-DC40-5011</td>
<td>11.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-DC40-5013</td>
<td>13.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-DC40-5015</td>
<td>15.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Surgical Components

<table>
<thead>
<tr>
<th>COVER SCREW</th>
<th>HEALING ABUTMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-DC4</td>
<td>HA-DC4-N2 Ø4.0</td>
</tr>
<tr>
<td></td>
<td>HA-DC4 Ø4.5</td>
</tr>
<tr>
<td></td>
<td>HA-DC4-W Ø5.5</td>
</tr>
</tbody>
</table>

NOTE: Implant dimensions and information - page 32

NOTE: TORQUE TO 10Ncm ONLY
Prosthetic Flowchart

Direct

Healing Abutments
- CS-DC4
- HA-DC4-N2
- HA-DC4-W (probes)
- IC-DC4 (DFI)
- ICT-DC4 (handle)
- IV-DC35-45
- IV-DC40-58

Impression Copings
- HA-DC4

Laboratory Analogues
- ICT-DC4-W (handle)
- LAD-DC4
- LAD-DC4 (Digital Analogue)
- SFT-DC4 (Scanning F
go)
- TCA-DC4
- TCA12-DC4
- TCA24-DC4
- TCB-DC4 (Engaging)
- TCB-DC4-C1.5 (Engaging)
- TCB-DC4-C3 (Engaging)
- TCB-DC4-C3 (Non-Engaging)

Prosthetic Components
- GC-DC4 (Engaging)
- GC-DC4 (Non-Engaging)
- TC-DC4-1 (Engaging)
- TC-DC4-1 (Non-Engaging)
- PBC-DC4-2 (Engaging)
- PBC-DC4-2 (Non-Engaging)

Retaining Screws
- TS-DC4-15 (Titanium)
- BS-DC4-16 (Brass)

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

Indirect

Compact Conical Abutments
- MC-DC4
- MC-DC4-20d
- MC-DC4-30d

HMC
CMC1 (Finishing)
CMC2 (Transfer)
HMTT7
SFT-MC-48 (Scanning F
go)
LAD-MC (Digital Analogue)

CMC1 (Finishing)
CMC2 (Transfer)
GMC1
TMC1 / 5
LSCM1
PA-MC-48 (Passive Abutment)
PKC-MC

1 Series Screws
- Titanium
- Titanium® (12mm long version)
- VarioLock® (12mm long version)
- Titanium
- PEEK
- Titanium

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 | Tapered Drills | Tapered Drill markings
---|---|---|---
D-3SPADE-IV | 15mm, 13mm, 11.5mm, 10mm, 8mm | D-IV37xx, D-IV45xx, D-IV50xx | Top of implant

Codes
- D-IV3710/11/13/15
- D-IV4510/11/13/15
- D-IV5010/11/13/15
### Instrumentation

<table>
<thead>
<tr>
<th>Placement Tool</th>
<th>Converters</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-HDC4-S/M</td>
<td>I-WI-CST</td>
</tr>
<tr>
<td>I-WI-DC4-S/M</td>
<td>I-WI-SS</td>
</tr>
</tbody>
</table>

**I-WI-CST**
- For Handpiece inserts (Latch-type) featuring the W&H hex
- For SQUARE connection of fixture mounts and instruments

### Drivers

<table>
<thead>
<tr>
<th>Try-in / Taps</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-HD-22U-M</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

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.
DEEP CONICAL INVERTA™

Co-Axis®

Ø3.5mm-Ø4.5mm
Ø4.0mm-Ø5.0mm
INVERTA™ Deep Conical Co-Axis® 12° Ø3.5mm-Ø4.5mm

Implants are available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (mm)</th>
<th>Coronal Ø (mm)</th>
<th>Maximum Ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV-DC3512D-4511</td>
<td>L1: 11.5 L2: 10.86</td>
<td>3.6</td>
<td>4.5</td>
</tr>
<tr>
<td>IV-DC3512D-4513</td>
<td>L1: 13.0 L2: 12.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-DC3512D-4515</td>
<td>L1: 15.0 L2: 14.36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Implants are available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (mm)</th>
<th>Coronal Ø (mm)</th>
<th>Maximum Ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV-DC4012D-5011</td>
<td>L1: 11.5 L2: 10.86</td>
<td>4.0</td>
<td>5.0</td>
</tr>
<tr>
<td>IV-DC4012D-5013</td>
<td>L1: 13.0 L2: 12.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-DC4012D-5015</td>
<td>L1: 15.0 L2: 14.36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Surgical Components

COVER SCREW

- CS-DC4

HEALING ABUTMENTS

- HA-DC4-N2 Ø4.0
- HA-DC4 Ø4.5
- HA-DC4-W Ø5.5

NOTE: Implant dimensions and information - page 32

NOTE: TORQUE TO 10Ncm ONLY
Prosthetic Flowchart

Direct

Healing Abutments
- CB-DC4
- HA-DC4-N2
- HA-DC4
- HA-DC4-W
- ICT-DC4-W
- SFT-DC4
- LAD-DC4
- LAD-DC4

Impression Copings
- IC-DC4 (implant)
- IC-DC4-W (implant)

Laboratory Analogues
- ICT-DC4 (threaded)
- LAD-DC4

Prosthetic Components
- GC-DC4 (Engaging)
- GC-ND4 (Non-Engaging)
- TC-DC4 (Engaging)
- TC-ND4-1 (Non-Engaging)
- PKC-DC4-2 (Non-Engaging)

Retaining Screws
- TS-DC4-16
- BS-DC4-16

TITANIUM Abutments
- TCA-DC4
- TCA12-DC4
- TCA24-DC4

Digital Analogues
- CAB-DC4 (Engaging)
- PASSIVE Abutment
- Scannable

Scannable Abutments
- SCANNABLE

Titanium

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

Indirect

Compact Conical Abutments
- MC-DC4
- MC-DC4-20d
- MC-DC4-30d

Compact Conical Abutments
- HMC
- CMC1 (Pick-up)
- CMC2 (Transfer)
- LSMC1
- LM-CM1
- LAD-MC
- PA-MC-48

CMC1 (Pick-up)
- Scanning Flag

Titanium

GMC1
- Titanium

TMC1 / 5
- Titanium

PKC-MC
- PEEK

1 Series Screws

NOTE: For Overdenture options refer to CAT-1189 Equator Abutments.
Site Preparation Sequence

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

*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.

Ø4.0mm-Ø5.0mm 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

D-3SPADE-IV

Pilot Drill markings

15mm
13mm
11.5mm
10mm
8mm

Tapered Drills

D-IV37xx
D-IV45xx
D-IV50xx

Tapered Drill markings

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

9mm above top of implant
6mm above top of implant
3mm above top of implant
Top of implant
## Instrumentation

### PLACEMENT TOOL
- **I-CON-X**
- **I-HDC4-S/M**
- **I-WI-OC4-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
- **HM-SH**
  - For HEX connection of fixture mounts

### DRIVERS
- **I-HD-22U-M**
  - 1.22 Universal Hex Driver

### TRY-IN / TAPS
- **IV-TR-45xx**
- **IV-TR-50xx**
  - 11/13/15

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**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:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (mm)</th>
<th>Coronal Ø</th>
<th>Maximum Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV-EX35-4510</td>
<td>10.0</td>
<td>3.5mm</td>
<td>4.5mm</td>
</tr>
<tr>
<td>IV-EX35-4511</td>
<td>11.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-EX35-4513</td>
<td>13.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-EX35-4515</td>
<td>15.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Inverta External Hex Ø4.0mm-Ø5.0mm

Implants are pre-mounted and available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS (mm)</th>
<th>Coronal Ø</th>
<th>Maximum Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV-EX40-5010</td>
<td>10.0</td>
<td>4.0mm</td>
<td>5.0mm</td>
</tr>
<tr>
<td>IV-EX40-5011</td>
<td>11.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-EX40-5013</td>
<td>13.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IV-EX40-5015</td>
<td>15.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Surgical Components**

<table>
<thead>
<tr>
<th>COVER SCREW</th>
<th>HEALING ABUTMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCNU2</td>
<td>TBN Ø3.6</td>
</tr>
<tr>
<td></td>
<td>WBN Ø4.5</td>
</tr>
</tbody>
</table>

| 2/3/4/8/6 lengths | 2/3/4/6 lengths |

**NOTE:** Implant dimensions and information - page 33

**NOTE:** Torque to 20 Ncm
Prosthetic Flowchart

Direct

Healing Abutments
- BCNU2
- TBN
- CBNU
- WBN
- IV-EX35-45
- IV-EX40-50

Impression Copings
- CBN70 Transfer
- CBNU Wrench

Laboratory Analogues
- LSN/12
- Direct Abutments
  - GC-EX-34 (Non-engaging)
  - GC-EX-34 (Non-engaging)
- Titanum
  - Use 2 Series Screws
- Titanium Abutments
- DN
- 2/32/5
- CER-ZR-34-4 / 6
- Titanium
- TITANIUM Abutments
- SFT-EX-34 (Scanning Jig)
- LAD-IBN
- Digital
- TITANIUM Abutments
- TIB-EX-34 TIB-EX-34-C1.5 TIB-EX-34-C3 (CB-engaging)
- TIB-EX-34 TIB-EX-34-C1.5 TIB-EX-34-C3 (Non-CB-engaging)
- PASSIVE Abutment
- SBN16 (Engaging)
- SBN-17-TT (Non-Engaging)
- CERAMIC Abutments
- SBN16 (Engaging)
- SBM-17-TT (Non-Engaging)
- CER-ZR-34-4 / 6

Prosthetic Components
- TCBN11 Threading TCBN11-Threading (Non-Engaging)
- PKBN2th (Non-Engaging)

Retaining Screws
- 2 Series Screws
- DBN/12

Indirect

Compact Conical Abutment
- ASBMCZ
- 1/2/3/4/1.5
- OR
- HMC

CMC1
- 4/8
- (Pick-up)
- CMC2 (Transfer)

CMC1
- GMC1
- 4/8
- Gold
- Titanium

TMC1 / 5
- TMC1 / 5
- Long version
- Titanium

PKC-MC
- PEEK

1 Series Screws

SFT-MC-48 Scanning Flag

LAD-MC
- Digital analogue

PA-MC-48 Passive Abutment

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

Ø3.5mm-Ø4.5mm Tapered (IV-EX35-45)

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

<table>
<thead>
<tr>
<th>Pilot Drill</th>
<th>Pilot Drill markings</th>
<th>Tapered Drills</th>
<th>Tapered Drill markings</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-3SPADE-IV</td>
<td>15mm 13mm 11.5mm 10mm 8mm</td>
<td>D-IV37xx D-IV5xx D-IV50xx</td>
<td>9mm above top of implant 6mm above top of implant 3mm above top of implant Top of implant</td>
</tr>
</tbody>
</table>

CODES
D-IV3710/11/13/15
D-IV4510/11/13/15
D-IV5010/11/13/15
## Instrumentation

<table>
<thead>
<tr>
<th>Placement Tool</th>
<th>Converters</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I-CON-X</strong></td>
<td><strong>I-WI-CST</strong></td>
</tr>
<tr>
<td>[Image] Fixture Mount Driver</td>
<td>For Hardpiece inserts (Latch-type) featuring the W&amp;I hex.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drivers</th>
<th>Try-In / Taps</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I-CS-HD</strong></td>
<td><strong>I-HD-22U-M</strong></td>
</tr>
<tr>
<td>[Image] Cover Screw Driver 0.9 Hex</td>
<td>[Image] 1.22 Universal Hex Driver</td>
</tr>
</tbody>
</table>

**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**

Implants are pre-mounted and available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS L1, L2</th>
<th>Coronal Ø D1</th>
<th>Maximum Ø D2</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV-EX3512D-4511</td>
<td>11.5</td>
<td>10.78</td>
<td>3.5mm</td>
</tr>
<tr>
<td>IV-EX3512D-4513</td>
<td>13.0</td>
<td>12.28</td>
<td>4.5mm</td>
</tr>
<tr>
<td>IV-EX3512D-4515</td>
<td>15.0</td>
<td>14.28</td>
<td></td>
</tr>
</tbody>
</table>

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

Implants are pre-mounted and available in lengths of:

<table>
<thead>
<tr>
<th>ITEM CODE</th>
<th>IMPLANT LENGTHS L1, L2</th>
<th>Coronal Ø D1</th>
<th>Maximum Ø D2</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV-EX4012D-5011</td>
<td>11.5</td>
<td>10.72</td>
<td>4.0mm</td>
</tr>
<tr>
<td>IV-EX4012D-5013</td>
<td>13.0</td>
<td>12.22</td>
<td>5.0mm</td>
</tr>
<tr>
<td>IV-EX4012D-5015</td>
<td>15.0</td>
<td>14.22</td>
<td></td>
</tr>
</tbody>
</table>

**Surgical Components**

<table>
<thead>
<tr>
<th>COVER SCREW</th>
<th>HEALING ABUTMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCNU2</td>
<td>TBN Ø3.6</td>
</tr>
<tr>
<td></td>
<td>2/3/4/6 lengths</td>
</tr>
</tbody>
</table>

**NOTE:** Implant dimensions and information - page 33

**NOTE:** TORQUE TO 20Ncm
Prosthetic Flowchart

Direct

- **Healing Abutments**
  - BCNU2
  - IV-EX3512D-45
  - IV-EX4012D-50

- **Impression Copings**
  - CBNM
  - CBNM-W
  - TBN
  - WBN

- **Laboratory Analogue**
  - CBN70 Transfer

- **Prosthetic Components**
  - GC-EX-34 (Engaging)
  - GC-EX-34 (Non-Engaging)
  - GC-EX-34 (Screwing)
  - GC-KX-34 (Non-Engaging)
  - TCBN1/9th (Engaging)
  - TCBN1/9th (Non-Engaging)
  - PKBN2/9th (Engaging)
  - PKBN2/9th (Non-Engaging)

- **Retaining Screws**
  - LSN/12
  - TDN
  - DBNS12

Indirect

- **Compact Conical Abutment**
  - ADNMCZ
  - 1/2/3/4/5

- **ANMC176**

- **Impression Copings**
  - CMC1 (Pin-Up)
  - CMC2 (Transfer)
  - OR
  - HMCT7

- **Laboratory Analogue**
  - SFT-MC-48 Scanning Flag

- **Prosthetic Components**
  - LSMB1
  - GMC1
  - TMC1 / 5
  - PKC-MC

- **Retaining Screws**
  - LAD-MC
  - PA-MC-48 Passive Abutment

**NOTE:** For Overdenture options refer to CAT-1189 Equator Abutments.
Site Preparation Sequence

Ø3.5mm-Ø4.5mm Tapered Co-Axis® (IV-EX3512d-45)

*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 subcortical.

Ø4.0mm-Ø5.0mm 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 subcortical.

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  Tapered Drills  Tapered Drill markings

D-3SPADE-IV  15mm  13mm  11.5mm  10mm  8mm  D-IV37xx  D-IV45xx  D-IV50xx

CODES
D-IV3710/11/13/15
D-IV4510/11/13/15
D-IV5010/11/13/15
<table>
<thead>
<tr>
<th>Instrumentation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PLACEMENT TOOL</strong></td>
</tr>
<tr>
<td><strong>I-CON-X</strong></td>
</tr>
</tbody>
</table>
| ![Image](fixture-mount-driver.png)  
*Fixture Mount Driver* | ![Image](i-wi-cst.png)  
*For Handpiece inserts (Latch-type) featuring the W&I hex.* | ![Image](i-wi-sh.png)  
*For HEX connection of fixture mounts.* | ![Image](i-wi-ss.png)  
*For SQUARE connection of fixture mounts and instruments.* |

<table>
<thead>
<tr>
<th><strong>DRIVERS</strong></th>
<th><strong>TRY-IN / TAPS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I-CS-HD</strong></td>
<td><strong>I-HD-22U-M</strong></td>
</tr>
</tbody>
</table>
| ![Image](cover-screw-driver.png)  
*Cover Screw Driver 0.9 Hex* | ![Image](1.22-universal-hex-driver.png)  
*1.22 Universal Hex Driver* |
| **I-IV-TR-45xx** | **I-IV-TR-50xx** |
| ![Image](iv-tr-45xx.png)  
*11/13/15* | ![Image](iv-tr-50xx.png)  
*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

3 SERIES Z Screws 1.22 Hex (M2)

TORQUE: 32-40Ncm
Head Diameter: 2.40mm

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

Laboratory Screw

BSP-DC4-16"* PA-DC4-16T

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

1.22 Hex Passive Abutment Screws

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

Laboratory Screw

PA-DC4-16T ("*Anaerobic glue")

ANGLED COMPACT CONICAL ABUTMENT SCREWS

DC (Deep Conical)

1.22 Hex

Series 9Z Screws (M2)

Unigrip

TSUZ9 GSUZ9

External Hex

TORQUE: 20Ncm
Head Diameter: 2.50mm

Digital Laboratory Analogue Screw

1.22 Hex

TORQUE: Finger tighten

NOTE: Screw supplied with all Digital Analогues

1 SERIES SCREW OPTIONS

Laboratory Screw

TORQUE: 10-15Ncm
Head Diameter 2.25mm

Unigrip

BSPH1* *(Blackened and for laboratory use only)

Hex

Unigrip

TSU1 GSU1 TSH1 GSH1

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
### Drivers

<table>
<thead>
<tr>
<th>HANDHELD</th>
<th>HANDPIECE</th>
<th>WRENCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSAL 1.22/1.27</td>
<td>UNIVERSAL 1.22/1.27</td>
<td>UNIVERSAL 1.22/1.27</td>
</tr>
<tr>
<td>I-HD-22U-S/M/L</td>
<td>I-HHD-22U-S/M/L</td>
<td>I-WI-22U-S/M/L</td>
</tr>
</tbody>
</table>

### Abutment Drivers (for Compact Conical Abutments)

<table>
<thead>
<tr>
<th>HANDHELD</th>
<th>HANDPIECE</th>
<th>WRENCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-AD</td>
<td>I-HAD</td>
<td>I-WI-A</td>
</tr>
</tbody>
</table>

### Cover Screw Drivers

**0.9 HEX**

<table>
<thead>
<tr>
<th>HANDHELD</th>
<th>HANDPIECE</th>
<th>WRENCH</th>
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</thead>
<tbody>
<tr>
<td>I-CS-09D/L</td>
<td>I-HHD-09</td>
<td>I-WI-09</td>
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</table>

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

**1.22 HEX**

<table>
<thead>
<tr>
<th>HANDHELD</th>
<th>HANDPIECE</th>
<th>WRENCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-HD-12S/M/L</td>
<td>I-HHD-22S/M/L</td>
<td>I-WI-22S/M/L</td>
</tr>
</tbody>
</table>

NOTE: Refer to CAT-1203 for alternative drivers.
I-V-EG for surgical placement of INVERTA Implants

Placement Tools DC (Deep Conical)
- I-HDCA-SM Handpiece Insert
- I-HWCA-SM Wrench Insert

Insertion Tools
- I-CON-X / XS Fixture Mount (Hex) Driver with W&H

Cover Screw Drivers (0.9mm) (EXTERNAL HEX)
- HS-HD / L Handheld

Hex Drivers UNIVERSAL 1.22/1.27
- I-HD-22U-S/ML Handheld

Hex Drivers UNIVERSAL 1.22/1.27
- I-HD-22U-S/ML Handpiece Insert

Compact Conical Abutment Drivers
- I-HADE Handpiece Insert

Converters
- I-WC-S Handpiece to Wrench

I-WC-L Wrench Insert

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 tools 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.
<table>
<thead>
<tr>
<th>RANGE</th>
<th>CORONAL DIAMETER</th>
<th>MAXIMUM DIAMETER</th>
<th>PROSTHTICS</th>
<th>CONNECTION DIAMETER</th>
<th>THREAD PITCH</th>
<th>APEX DIAMETER</th>
<th>BUCCAL PLATFORM</th>
<th>PLATFORM ANGLE</th>
<th>IMPLANT LENGTHS</th>
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<tr>
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<td>4.5</td>
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<td>5.0</td>
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<tr>
<td>IV-DC3512D-45</td>
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<td>4.5</td>
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<tr>
<td>IV-DC4012D-50</td>
<td>Ø4.0mm-Ø5.0mm</td>
<td>4.0</td>
<td>5.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12&quot;</td>
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</tbody>
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Not all products are cleared for sale in all countries.
<table>
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<tr>
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<th>CORONAL DIAMETER</th>
<th>MAXIMUM DIAMETER</th>
<th>Prosthetics</th>
<th>CONNECTION DIAMETER</th>
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<td>5.0</td>
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<tr>
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</table>
BONE MILLS

DC (Deep Conical)

HANDHELD

CODES
1-HBM-DC35
1-HBM-DC40

EXTERNAL HEX

HANDPIECE

CODES
1-HNM-45
1-HNM-65
Bone Mill Protector Cap
1-HNM-CAP

NOTE: • Refer to CAT-1009 for more information on Bone Mills
• For Polishing Protector Caps refer to CAT-1010
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
   - CE mark and notified body number
6. Expiry date
7. Sterile unless package is opened or damaged
6. 2D Bar coding
   - Contains the GTIN, Expiry Date and LOT Number
7. Patient sticker for documentation purposes
   - (to be used by health care provider on patient file)
8. Prescription device
   - CAUTION: FEDERAL LAW RESTRICTS THE DEVICE TO SALE BY OR ON THE ORDER OF A LICENSED HEALTH CARE PROVIDER.
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