

Innovative Treatment Solutions

**DEEP CONICAL** 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 ZYGEX implants for severely resorbed maxilla and craniofacial reconstruction.

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

 $My \, since re\, thanks\, to\, all\, specialists, dentists\, and\, technicians\, who\, put\, their\, trust\, in\, our\, company.$ 

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**

Ø3.0mm

# Ø3.0mm Implants (Tapered & Parallel Walled)

Tapered

Parallel Walled





DCT30

DCC30

#### Implants are available in lengths of:

NOTE: Implant dimensions and information - page 38

ITEM CODE IMPLANT LENGTHS (in mm)

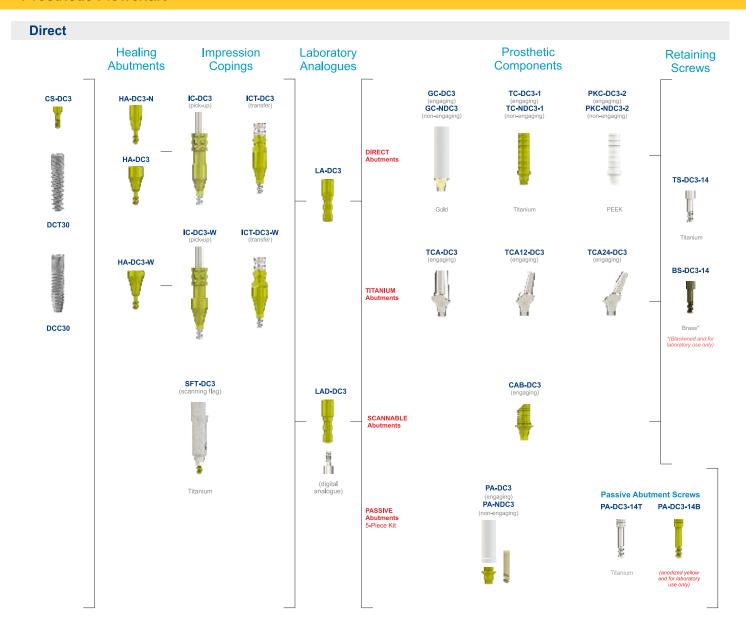
DCT30	09 / 11 / 13 / 15
DCC30	11 / 13 / 15

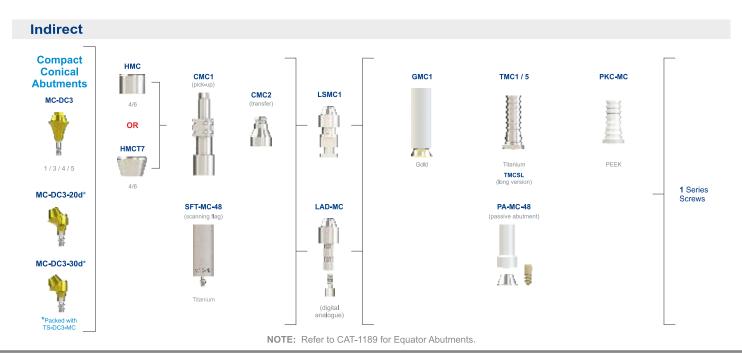
# **Surgical Components**

#### 

NOTE: TORQUE TO 10Ncm ONLY

#### **Prosthetic Flowchart**

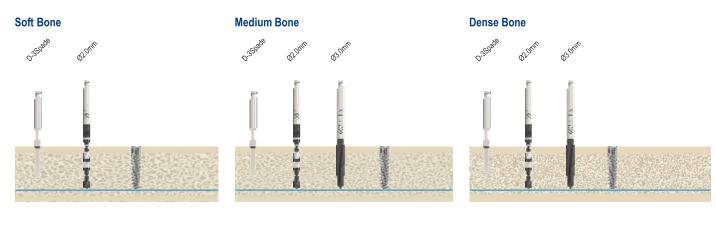




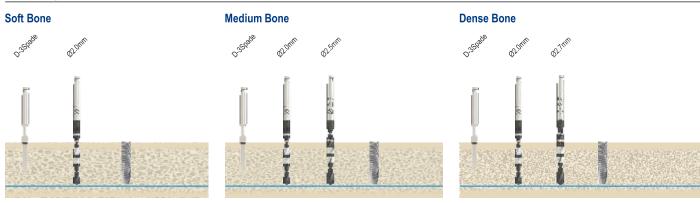
# **Site Preparation Sequence**

#### Ø3.0mm Tapered (DCT30)

(illustrations are for 13mm implants)



#### Ø3.0mm Cylindrical (DCC30)



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

#### Instrumentation



- Most instruments are available in various lengths.

# **DEEP CONICAL**

Ø3.5mm

# Ø3.5mm Implants (Tapered & Parallel Walled)

Tapered

DCT35

Parallel Walled



DCC35

#### Implants are available in lengths of:

NOTE: Implant dimensions and information - page 38

	ITEM CODE	IMPLANT LENGTHS (in mm)
	DCT35	08 / 09 / 11 / 13 / 15
Ī	DCC35	08 / 09 / 11 / 13 / 15

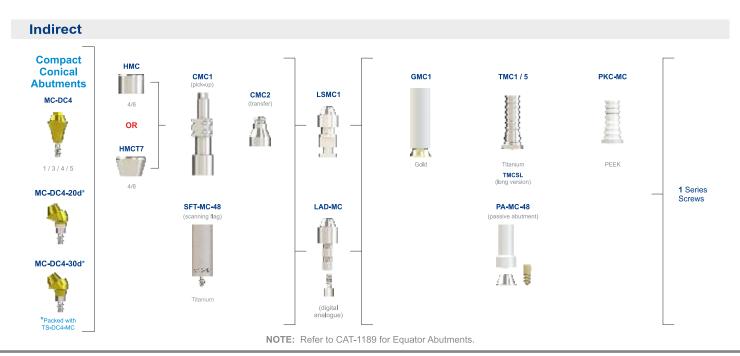
# **Surgical Components**

#### 

NOTE: TORQUE TO 10Ncm ONLY

#### **Prosthetic Flowchart**

#### **Direct** Prosthetic Healing **Impression** Laboratory Retaining **Abutments** Copings Analogues Components Screws GC-DC4 TC-DC4-1 PKC-DC4-2 CS-DC4 HA-DC4-N2 IC-DC4 ICT-DC4 PKC-NDC4-2 GC-NDC4 TC-NDC4-1 TS-DC4-16 HA-DC4 DIRECT Abutments LA-DC4 Titanium Titanium PEEK DCT35 IC-DC4-W ICT-DC4-W BS-DC4-16 TCA-DC4 TCA12-DC4 TCA24-DC4 HA-DC4-W TITANIUM DCC35 TIB-DC4 TIB-DC4-C1.5 TIB-DC4-C3 TIB-NDC4 TIB-NDC4-C1.5 TIB-NDC4-C3 CAB-DC4 LAD-DC4 SCANNABLE ı PA-DC4 **Passive Abutment Screws** PA-NDC4 PA-DC4-16T PA-DC4-16B PASSIVE Abutment 5-Piece Kit Titanium

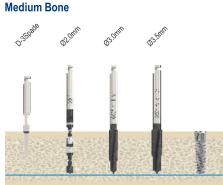


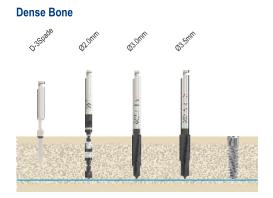
# **Site Preparation Sequence**

#### Ø3.5mm Tapered (DCT35)

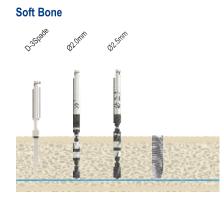
(illustrations are for 13mm implants)

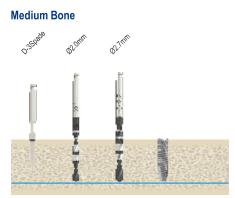


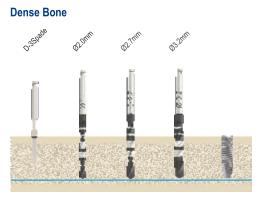




#### Ø3.5mm Cylindrical (DCC35)







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

#### Instrumentation







Converters

inserts (Latch-type) featuring the W&H hex

# I-WI-SS

For SQUARE connection of fixture mounts and instruments



1.22 Universal Hex Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.

- Most instruments are available in various lengths.

# **DEEP CONICAL**

Ø4.0mm

# **Ø4.0mm Implants** (Tapered & Parallel Walled)

Tapered



DCT40

Parallel Walled



DCC40

#### Implants are available in lengths of:

NOTE: Implant dimensions and information - page 38

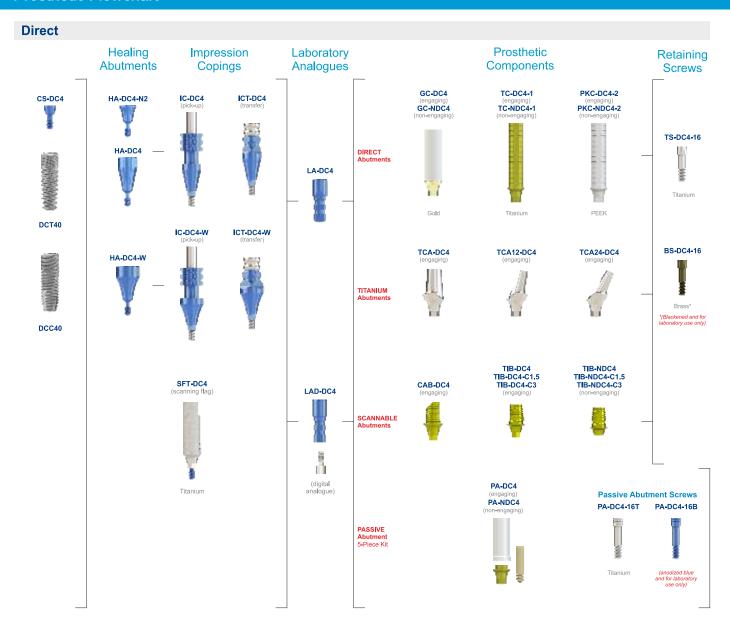
ITEM CODE	IMPLANT LENGTHS (in mm)
DCT40	06 / 08 / 09 / 11 / 13 / 15
DCC40	06 / 08 / 09 / 11 / 13 / 15

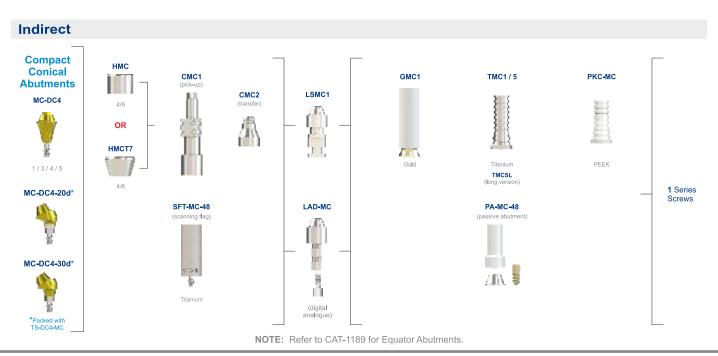
# **Surgical Components**

Cover Screw	Healing Abutn	nents		
CS-DC4	<b>HA-DC4-N2</b> Ø4.0	<b>HA-DC4</b> Ø4.5	<b>HA-DC4-W</b> Ø5.5	
		4/6 lengths	2/4/6 lengths	

NOTE: TORQUE TO 10Ncm ONLY

#### **Prosthetic Flowchart**



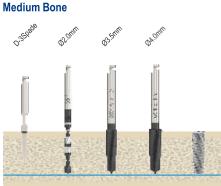


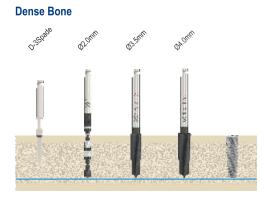
# **Site Preparation Sequence**

#### Ø4.0mm Tapered (DCT40)

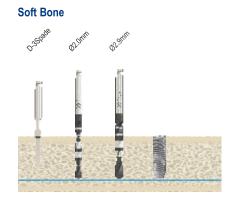
(illustrations are for 13mm implants)

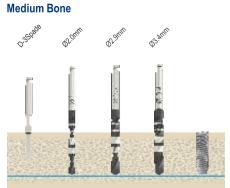


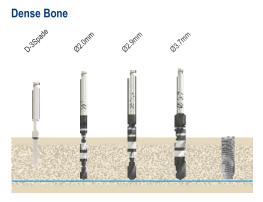




#### Ø4.0mm Cylindrical (DCC40)







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

#### Instrumentation





1.22 Universal Hex Driver



NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.

- Most instruments are available in various lengths.

# **DEEP CONICAL**

Ø5.0mm

Tapered

Parallel Walled





#### Implants are available in lengths of:

NOTE: Implant dimensions and information - page 38

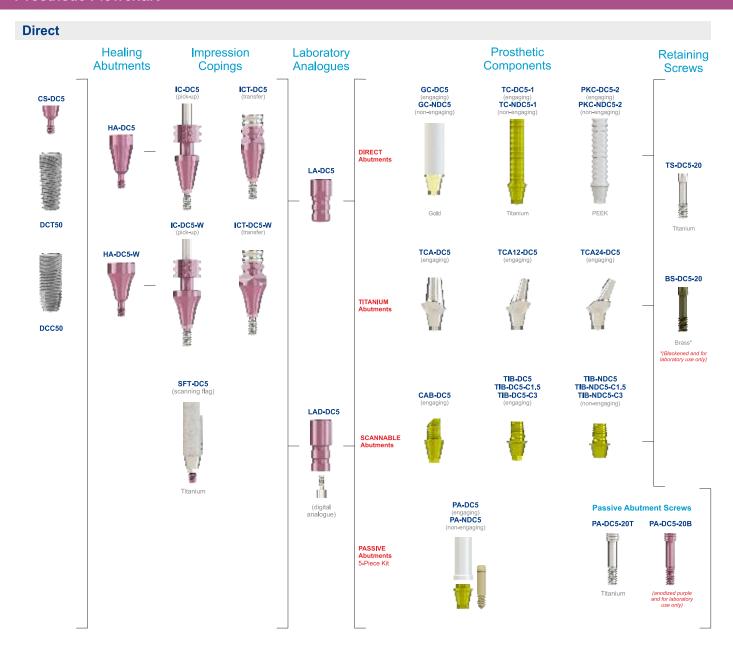
ITEM CODE	IMPLANT LENGTHS (in mm)
DCT50	09 / 11 / 13 / 15
DCC50	09 / 11 / 13 / 15

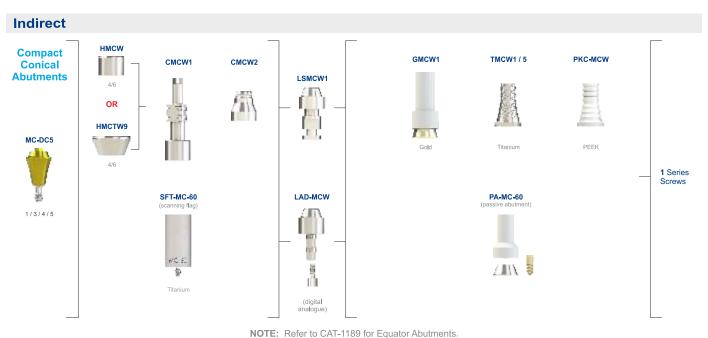
# **Surgical Components**

# Cover Screw Healing Abutments CS-DC5 HA-DC5 Ø5.5 Ø6.5 2/4/6 lengths Langth Service Screw Abutments

NOTE: TORQUE TO 10Ncm ONLY

#### **Prosthetic Flowchart**



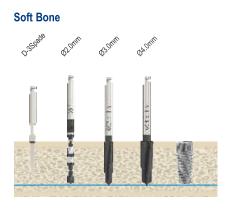


19

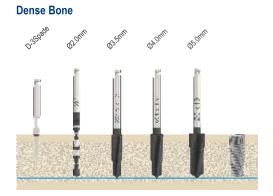
# **Site Preparation Sequence**

#### Ø5.0mm Tapered (DCT50)

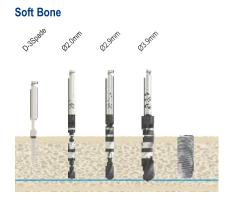
(illustrations are for 13mm implants)

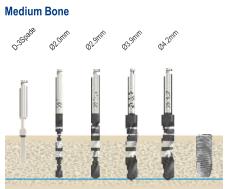


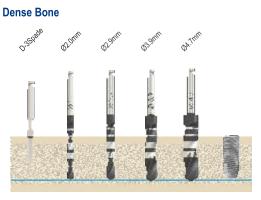




#### Ø5.0mm Cylindrical (DCC50)







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

#### Instrumentation









For SQUARE connection of fixture mounts and instruments

#### I-HD-22U-S / M / L



1.22 Universal Hex Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.

- Most instruments are available in various lengths.

# **DEEP CONICAL CO-AXIS®**

Ø3.5mm







Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 38

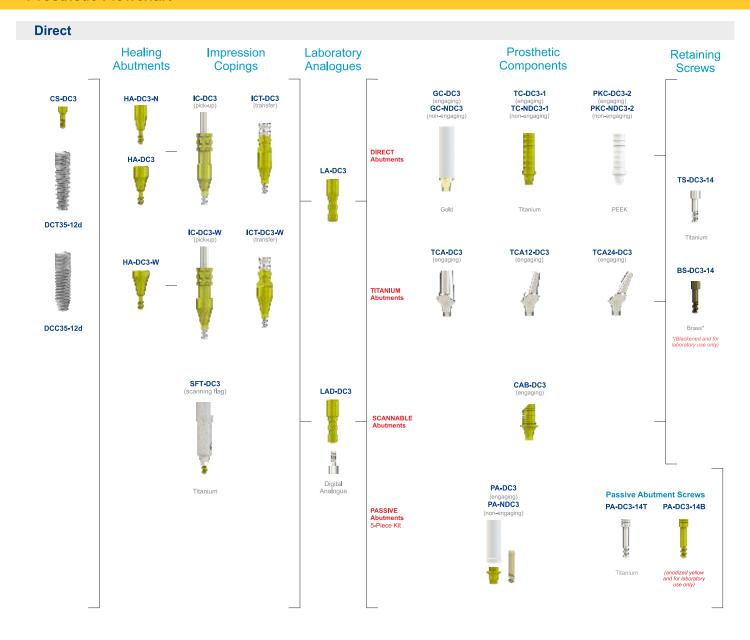
ITEM CODE	ITEM CODE	IMPLANT LE	NGTHS (in mm)
TAPERED	PARALLEL WALLED	L1	L2
DCT3508-12d	DCC3508-12d	8.00	8.5
DCT3509-12d	DCC3509-12d	9.00	9.5
DCT3511-12d	DCC3511-12d	11.00	11.5
DCT3513-12d	DCC3513-12d	13.00	13.5
DCT3515-12d	DCC3515-12d	15.00	15.5

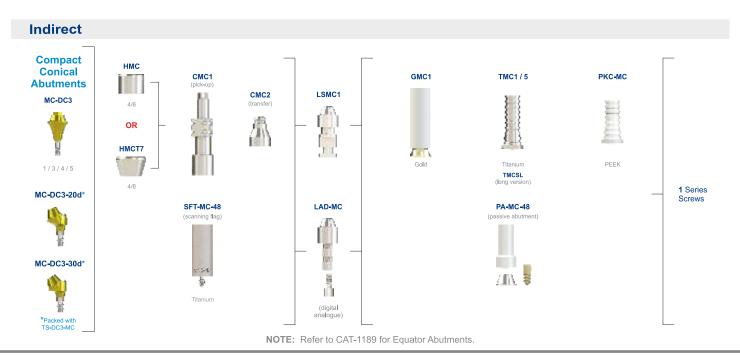
# **Surgical Components**



NOTE: TORQUE TO 10Ncm ONLY

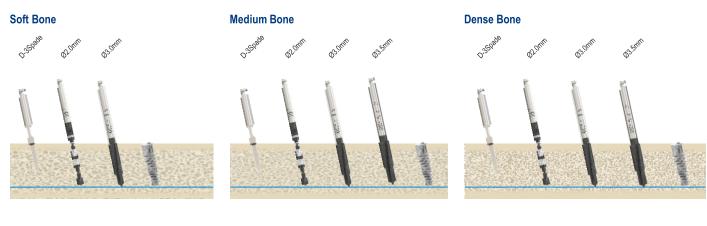
#### **Prosthetic Flowchart**



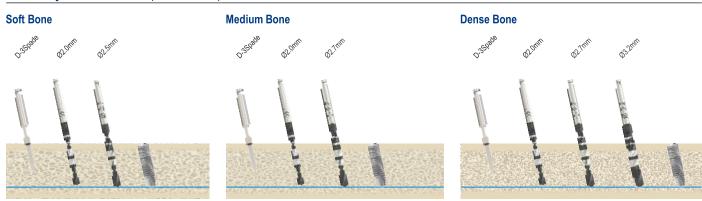


#### Ø3.5mm Tapered Co-Axis® (DCT30xx-12D)

(illustrations are for 13mm implants)

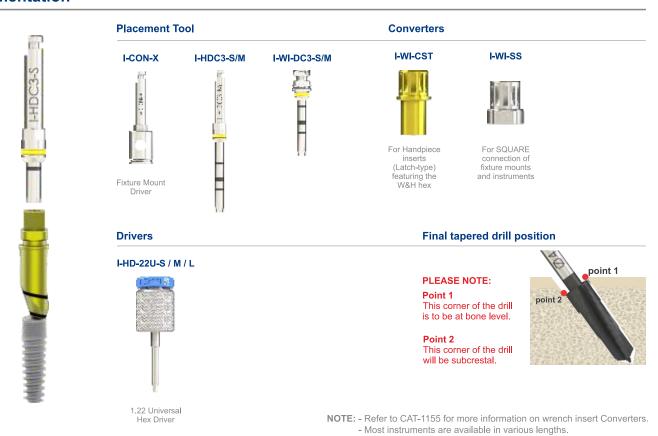


#### Ø3.5mm Cylindrical Co-Axis (DCC30xx-12D)



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

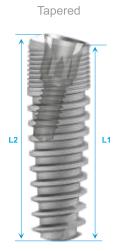
#### Instrumentation



# **DEEP CONICAL CO-AXIS®**

Ø4.0mm







DCT40(xx)-12d

DCC40(xx)-12d

#### Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 38

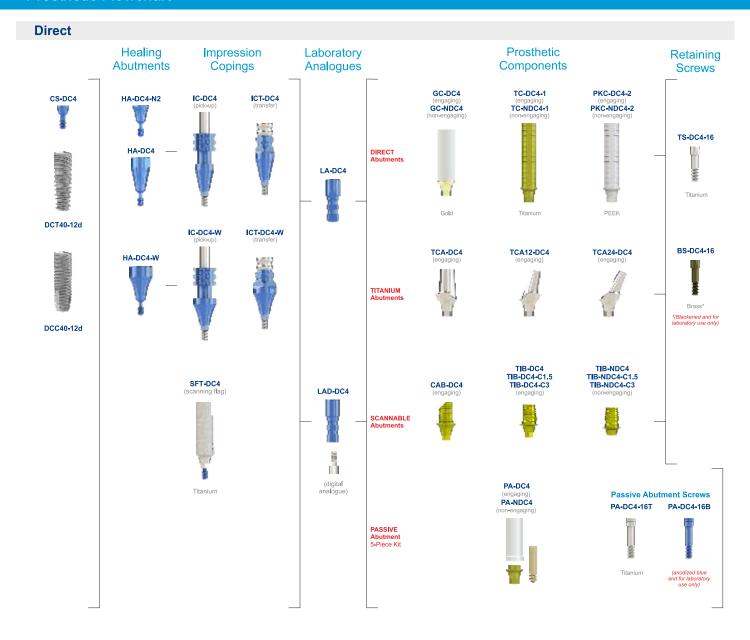
ITEM CODE		IMPLANT LE	NGTHS (in mm)
TAPERED	PARALLEL WALLED	L1	L2
DCT4008-12d	DCC4008-12d	8.00	8.6
DCT4009-12d	DCC4009-12d	9.00	9.6
DCT4011-12d	DCC4011-12d	11.00	11.6
DCT4013-12d	DCC4013-12d	13.00	13.6
DCT4015-12d	DCC4015-12d	15.00	15.6

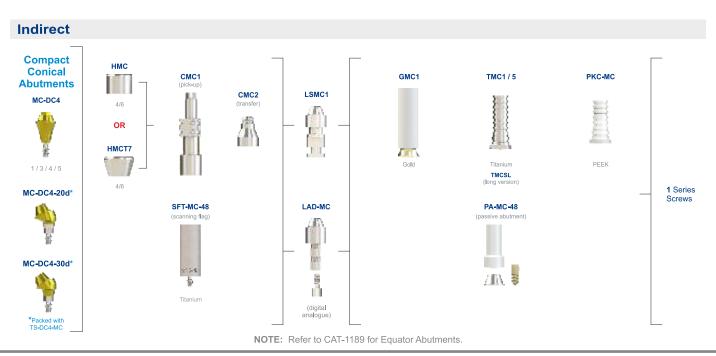
# **Surgical Components**



NOTE: TORQUE TO 10Ncm ONLY

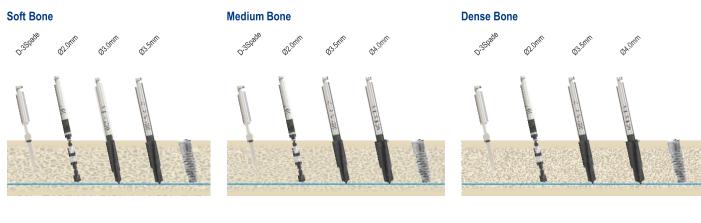
#### **Prosthetic Flowchart**



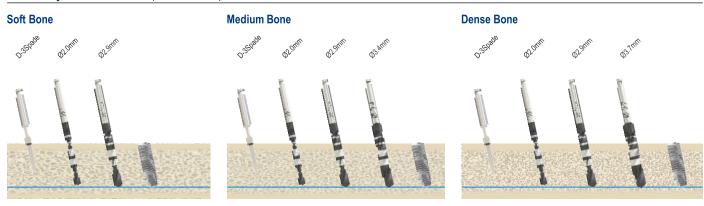


#### Ø4.0mm Tapered Co-Axis® (DCT40xx-12D)

(illustrations are for 13mm implants)

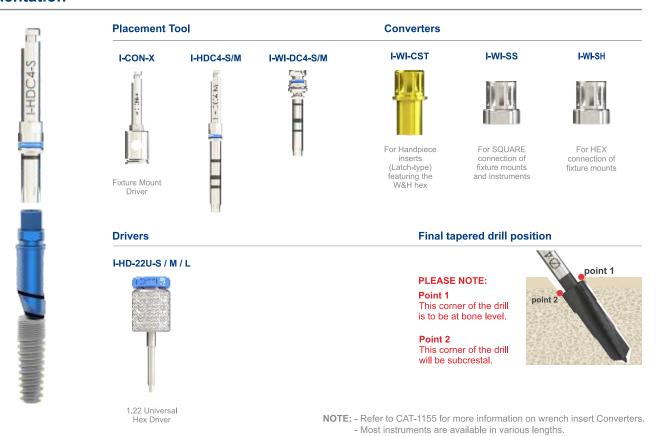


#### Ø4.0mm Cylindrical Co-Axis (DCC40xx-12D)



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

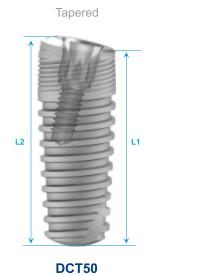
#### Instrumentation



# **DEEP CONICAL CO-AXIS®**

Ø5.0mm







#### Implants are pre-mounted and available in lengths of:

NOTE: Implant dimensions and information - page 38

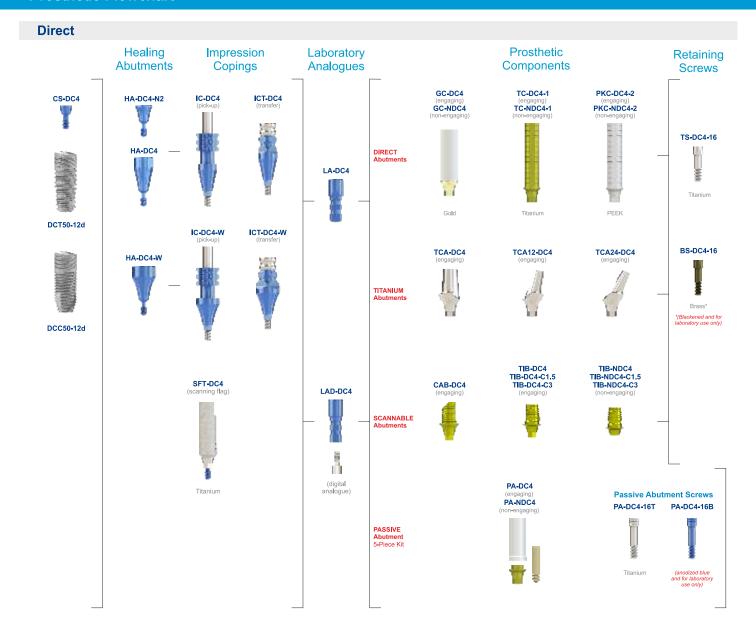
ITEM CODE		IMPLANT LE	NGTHS (in mm)
TAPERED	PARALLEL WALLED	L1	L2
DCT5009-12d	DCC5009-12d	9.00	9.83
DCT5011-12d	DCC5011-12d	11.00	11.83
DCT5013-12d	DCC5013-12d	13.00	13.83
DCT5015-12d	DCC5015-12d	15.00	15.83

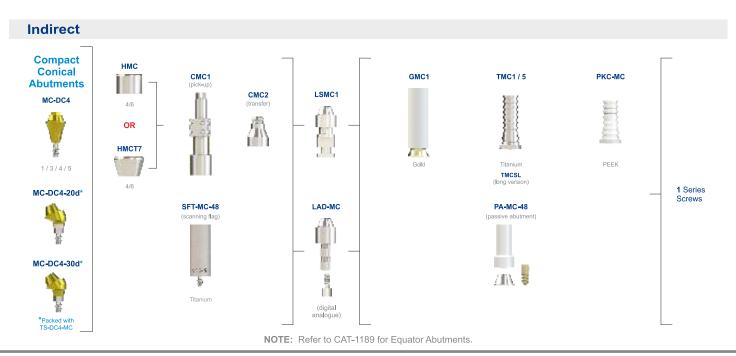
# **Surgical Components**

Cover Screw	Healing Abutn	nents		
CS-DC4	<b>HA-DC4-N2</b> Ø4.0	<b>HA-DC4</b> Ø4.5	<b>HA-DC4-W</b> Ø5.5	
		4/6 lengths	2/4/6 lengths	

NOTE: TORQUE TO 10Ncm ONLY

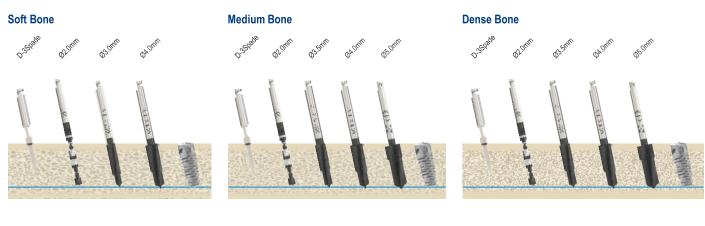
#### **Prosthetic Flowchart**



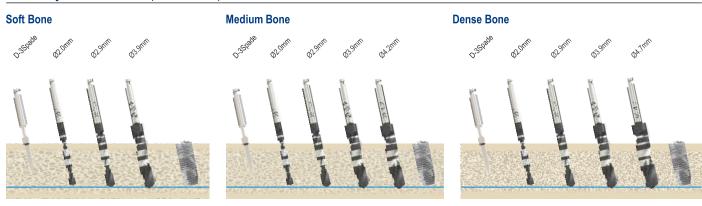


#### Ø5.0mm Tapered Co-Axis® (DCT50xx-12D)

(illustration is for 13mm implants)

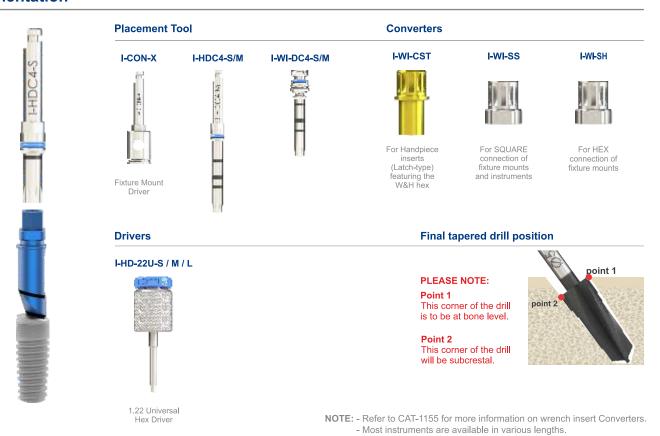


#### Ø5.0mm Cylindrical Co-Axis (DCC50xx-12D)



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

#### Instrumentation



#### 1.22 Hex Prosthetic screws M1.4 DC3 TORQUE: 15Ncm **Head Diameter:** 2.10mm



DC4 TORQUE: 20Ncm **Head Diameter:** 2.35mm Screw TORQUE with PEEK Prosthetics: 20Ncm



DC5 TORQUE: 25-32Ncm **Head Diameter:** 2.35mm Screw TORQUE with PEEK Prosthetics: 20Ncm



**Laboratory screws** 

M2 TS-DC5-20\*

#### 1.22 Hex Passive Abutment screws



PA-DC3-14T

TS-DC3-14

DC3 TORQUE: 15Ncm Head Diameter:

Screw TORQUE with

PEEK Prosthetics:

15Ncm



PA-DC4-16T

DC4 TORQUE: 20Ncm **Head Diameter:** 2.40mm



DC5 TORQUE: 25-32Ncm **Head Diameter:** 2.80mm



(anodized yellow)



1,22 Hex angled compact conical abutment screws



TORQUE: 15Ncm **Head Diameter:** 2,0mm



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

# **Digital Laboratory Analogue screw**

#### 1,22 Hex



LAD-S

NOTE: Screw supplied with all Digital Analogues

#### **TIB Abutment screw**



TS-IT-TIB

TORQUE: 32-40Ncm Head Diameter: 2 40mm

#### 1 Series screws

# Unigrip



1.22 Hex



TSH1 GSH1

# TORQUE:

**Head Diameter** 

# Laboratory screw



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

#### **Screw head connections**





NOTE: • Always ensure that the correct screw is used for the relevant implant and component.

TORQUE:

2 40mm

Finger tighten

Head Diameter:

Refer to CAT-1003 for alternative slotted 1 Series screws

#### **BONE MILLS**

#### DRILL INFORMATION

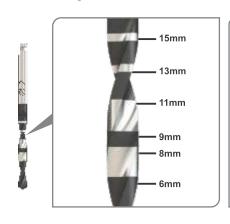
# HANDHELD



NOTE: • Refer to CAT-1009 for more information on Bone Mills

• For Polishing Protector Caps refer to CAT-1010

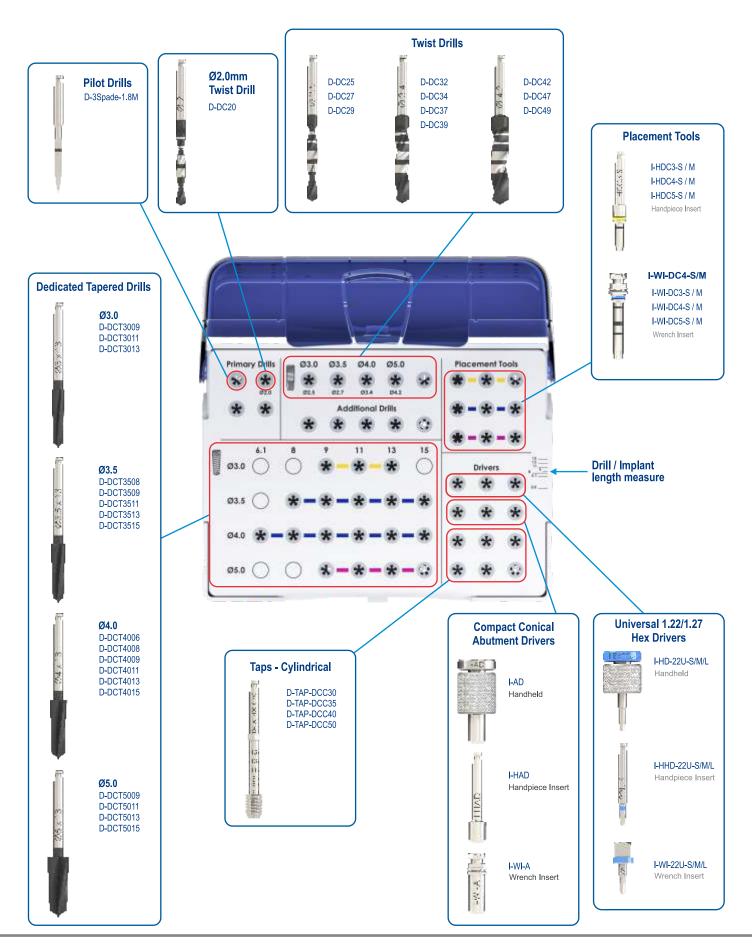
#### Twist drill markings

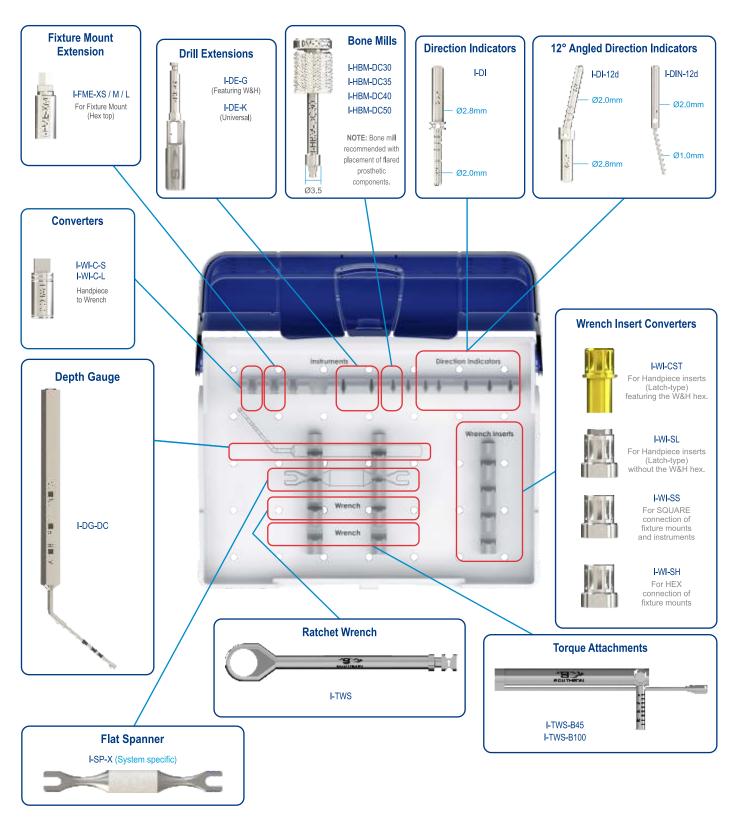




length.

I-DC-EG for surgical placement of Deep Conical Implants

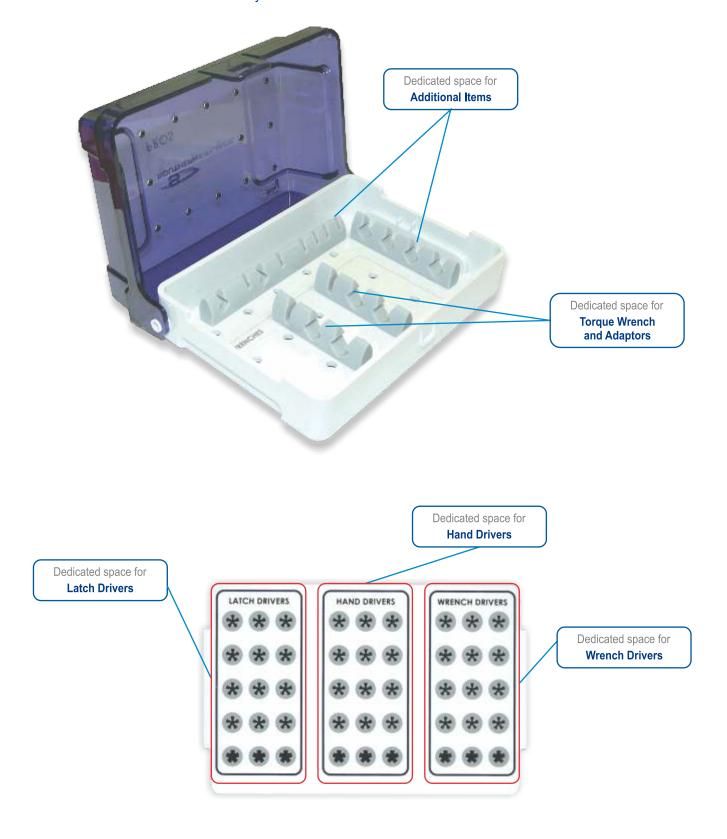




#### NOTE:

- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- · Most Instruments available in various lengths.
- All instruments and tooling used during the procedure must be maintained in good condition, and cleaned and sterilized prior to 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.

#### I-PROS-EG Prosthetic Instrument 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 available in various lengths.

#### **Drivers**



#### **Abutment Drivers** (for Compact Conical Abutments)



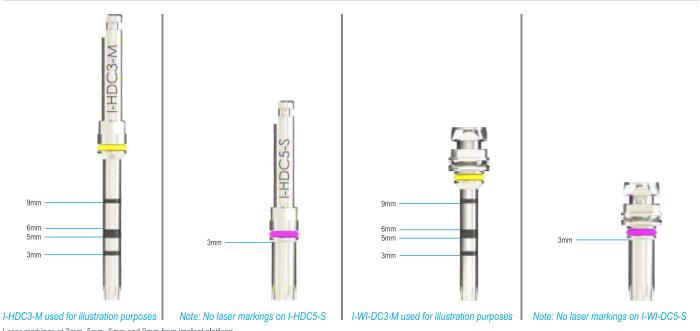
#### **Drivers for 1 Series Screws**

#### 1.22 HEX



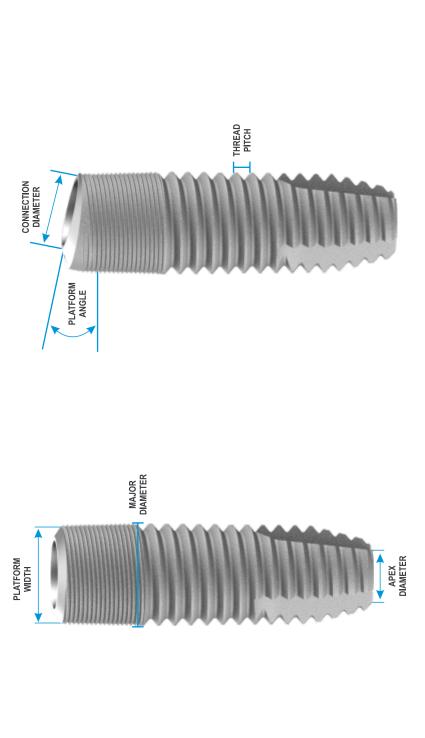
NOTE: Refer to CAT-1203 for alternative drivers

#### INSERTION TOOL DEPTH MARKINGS



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

RANGE										IMP	ANT	IMPLANT LENGTHS	STHS		
		MAJOR DIAMETER	PLATFORM WIDTH	Prosthetics	CONNECTION DIAMETER	THREAD PITCH	APEX DIAMETER	Cylindrical or Tapered	PLATFORM ANGLE	9	8	6	11	13	15
DCT30	Ø3.0mm	3.02	3.02		2.30	2.0	2.7	⊢				7	7	>	>
DCC30	Ø3.0mm	3.02	3.02		2.30	9.0	2.0	S					Λ	>	>
DCT35	Ø3.5mm	3,5	3,5		2.80	2.0	3,08	_			٨	Λ	Λ	٨	>
DCC35	Ø3.5mm	3.5	3,5		2.80	9'0	2,35	O			٨	٨	٨	٨	>
DCT40	Ø4.0mm	4.0	4.0		2.80	2.0	3,45	⊢		^	٨	٨	٨	>	>
DCC40	Ø4.0mm	4.0	4.0		2.80	9'0	2,9	О		٨	V	V	V	٨	7
DCT50	Ø5.0mm	5.0	2.0		3,83	2.0	4.2	Τ				٧	٧	1	>
DCC50	Ø5.0mm	5.0	2.0		3,83	9.0	3.7	О				Λ	V	1	7
DCT35-12d	Ø3.5mm	3,5	3,5		2.30	1,0	3,08	Τ	12°		٧	٧	٧	1	>
DCC35-12d	Ø3.5mm	3,5	3.5		2.30	9.0	2.35	O	12°		1	٧	٧	>	>
DCT40-12d	Ø4.0mm	4.0	4.0		2.80	1.0	3,45	⊥	12°		٨	٧	٧	1	>
DCC40-12d	Ø4.0mm	4.0	4.0		2.80	9.0	2,9	C	12°		٧	٧	V	7	>
DCT50-12d	Ø5.0mm	5.0	4.0		2.80	1.0	4.2	⊢	12°			٧	^	>	>
DCC50-12d	Ø5.0mm	2.0	4.0		2.80	9.0	3.7	O	12°			>	٧	7	>



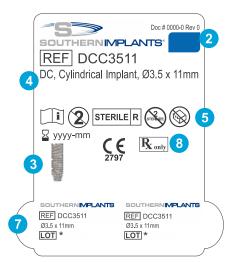
NOTE: Measurements in this table are accurate to design revisions from July 2017

Not all products are cleared for sale in all countries.

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

- 1 Manufacturer
- 2 Colour code indicating platform diameter
- 3 Implant image
- Implant details and size
- 5 sterile R Sterilization using Irradiation
  - Do not Resterilize
  - Consult instruction for use
  - ② Do not reuse
  - **C** € CE mark and notified body number
  - **Expiry date**
  - 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 R Prescription device

**CAUTION:** FEDERAL LAW RESTRICTS THE DEVICE TO SALE BY OR ON THE ORDER OF A LICENCED HEALTH CARE PROVIDER.







#### **Platform Interface**

Ø3.0

Ø3.5

Ø4.0

Ø5.0



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