



SOUTHERNIMPLANTS®

Innovative Treatment Solutions

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


Graham Blackbeard
Managing Director, Southern Implants

CONTENTS

● Ø3.5mm Implants (Tapered & Parallel Walled)	
Implants & Surgical Components.....	Page 06
Prosthetic Flowchart.....	Page 07
Site Preparation & Instrumentation.....	Page 08
● Ø4.3mm Implants (Tapered & Parallel Walled)	
Implants & Surgical Components.....	Page 10
Prosthetic Flowchart.....	Page 11
Site Preparation & Instrumentation.....	Page 12
● Ø5.0mm Implants (Tapered & Parallel Walled)	
Implants & Surgical Components.....	Page 14
Prosthetic Flowchart (Direct).....	Page 15
Prosthetic Flowchart (Indirect).....	Page 16
Site Preparation & Instrumentation.....	Page 17
● Ø6.0mm Implants (Tapered)	
Implants & Surgical Components.....	Page 20
Prosthetic Flowchart.....	Page 21
Site Preparation & Instrumentation.....	Page 22
● CO-AXIS®	
● Ø4.3mm 12° Co-Axis Implant (Tapered)	
Implants & Surgical Components.....	Page 24
Prosthetic Flowchart.....	Page 25
Site Preparation & Instrumentation.....	Page 26
● Ø5.0mm 12° Co-Axis Implant (Tapered)	
Implants & Surgical Components.....	Page 28
Prosthetic Flowchart.....	Page 29
Site Preparation & Instrumentation.....	Page 30
● TRI-MAX®	
● Ø7.0mm Implant (Tapered)	
Implants & Surgical Components.....	Page 32
Prosthetic Flowchart.....	Page 33
Site Preparation, Additional Drills & Instrumentation.....	Page 34
● Ø8.0mm Implant (Tapered)	
Implants & Surgical Components.....	Page 36
Prosthetic Flowchart.....	Page 37
Site Preparation, Additional Drills & Instrumentation.....	Page 38
● Ø9.0mm Implant (Tapered)	
Implants & Surgical Components.....	Page 40
Prosthetic Flowchart.....	Page 41
Site Preparation, Additional Drills & Instrumentation.....	Page 42
Drill Information	Page 43
Driver Information	Page 44
Torque Table for Southern Screws	Page 45
Insertion Tool Protocols	Page 46
Instrument Trays	
I-TRI-NEX-EG.....	Page 48
I-MAX-EG.....	Page 50
I-PROS-EG.....	Page 52
TRI-NEX Natural Horizontal Offset	Page 53
Coated Titanium Retaining Screws	Page 53
Implant Dimensions & Information	Page 54
Explanation of Symbols	Page 55

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.

TRI-NEX

Ø3.5mm

Ø3.5mm Implants (Tapered & Parallel Walled)

Tapered



IA-LH-35

Parallel Walled



IA-LHS-35

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE TAPERED	IMPLANT LENGTH (in mm)
IA-LH-35-8	8.5
IA-LH-35-10	10.5
IA-LH-35-11.5	12.0
IA-LH-35-13	13.5
IA-LH-35-16	16.5

ITEM CODE PARALLEL WALLED	IMPLANT LENGTH (in mm)
IA-LHS-35-8	8.5
IA-LHS-35-10	10.5
IA-LHS-35-11.5	12.0
IA-LHS-35-13	13.5
IA-LHS-35-15	15.5

Surgical Components

Cover Screw

CS-L-35



Healing Abutments

HA-L-35



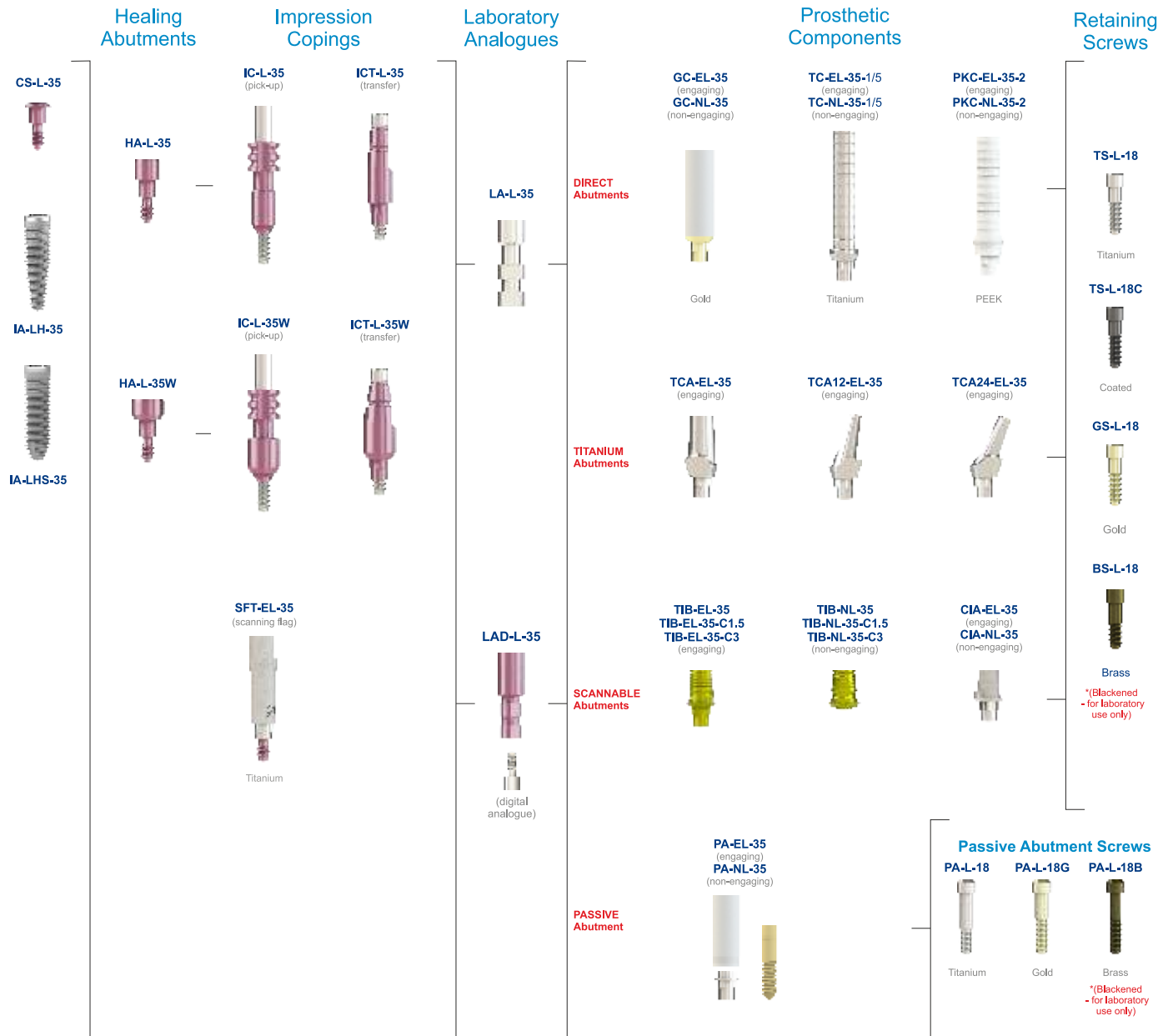
3/5
lengths

HA-L-35W

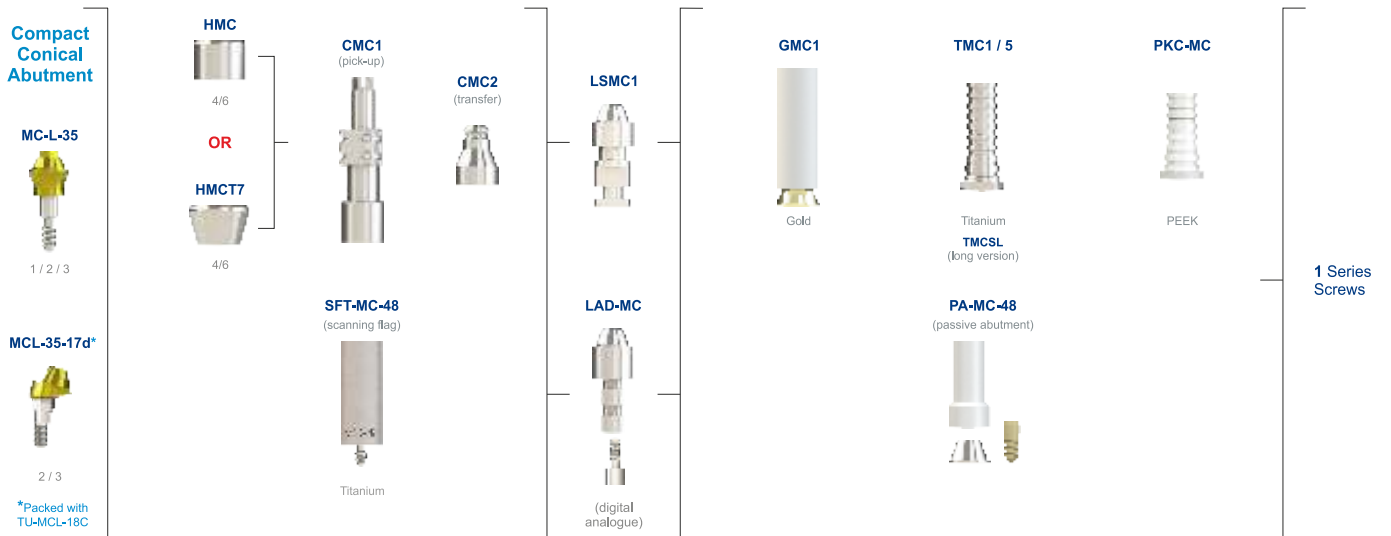


3/5
lengths

Direct



Indirect



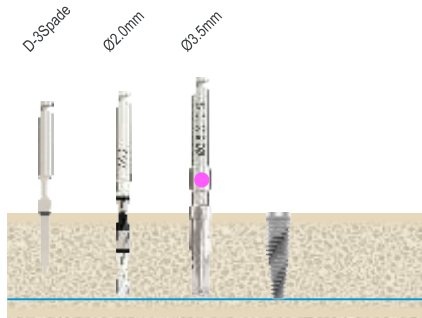
NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

Site Preparation Sequence

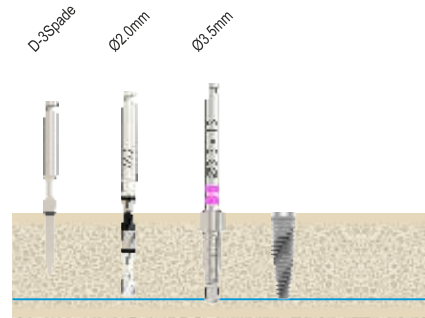
Ø3.5mm Tapered (IA-LH-35)

(Illustrations are for 13mm implants)

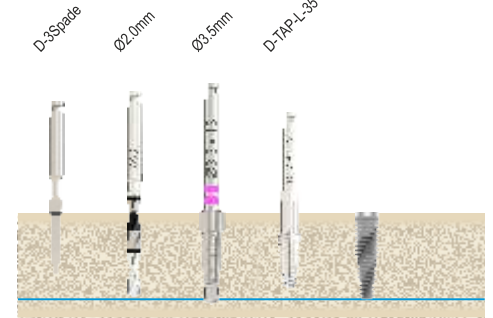
Soft Bone



Medium Bone

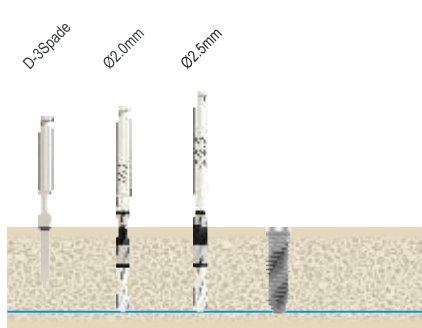


Dense Bone

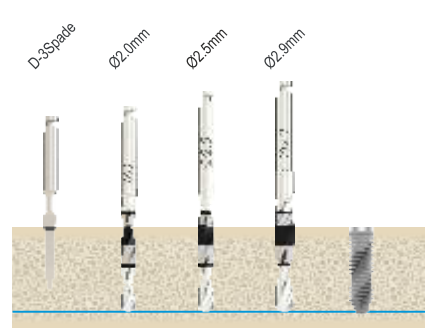


Ø3.5mm Parallel Walled (IA-LHS-35)

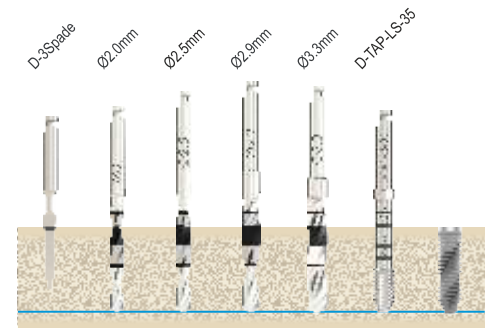
Soft Bone



Medium Bone



Dense Bone



NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.

Instrumentation



Placement Tools

I-HLH-43S/M



To fit W&H Handpiece

I-HLHU-43S/M



Universal Handpiece

I-WI-LH43S/M



To fit Wrench

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-UGI-S/M/L



Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.
 - Most Instruments available in various lengths.
 - Refer to page 46 for Insertion Tool Protocols.

TRI-NEX

Ø4.3mm

Ø4.3mm Implants (Tapered & Parallel Walled)

Tapered



IA-LH-43

Parallel Walled



IA-LHS-43

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE TAPERED	IMPLANT LENGTH (in mm)
IA-LH-43-8	8.5
IA-LH-43-10	10.5
IA-LH-43-11.5	12.0
IA-LH-43-13	13.5
IA-LH-43-16	16.5

ITEM CODE PARALLEL WALLED	IMPLANT LENGTH (in mm)
IA-LHS-43-8	8.5
IA-LHS-43-10	10.5
IA-LHS-43-11.5	12.0
IA-LHS-43-13	13.5
IA-LHS-43-15	15.5

Surgical Components

Cover Screw

CS-L-43



Healing Abutments

HA-L-43



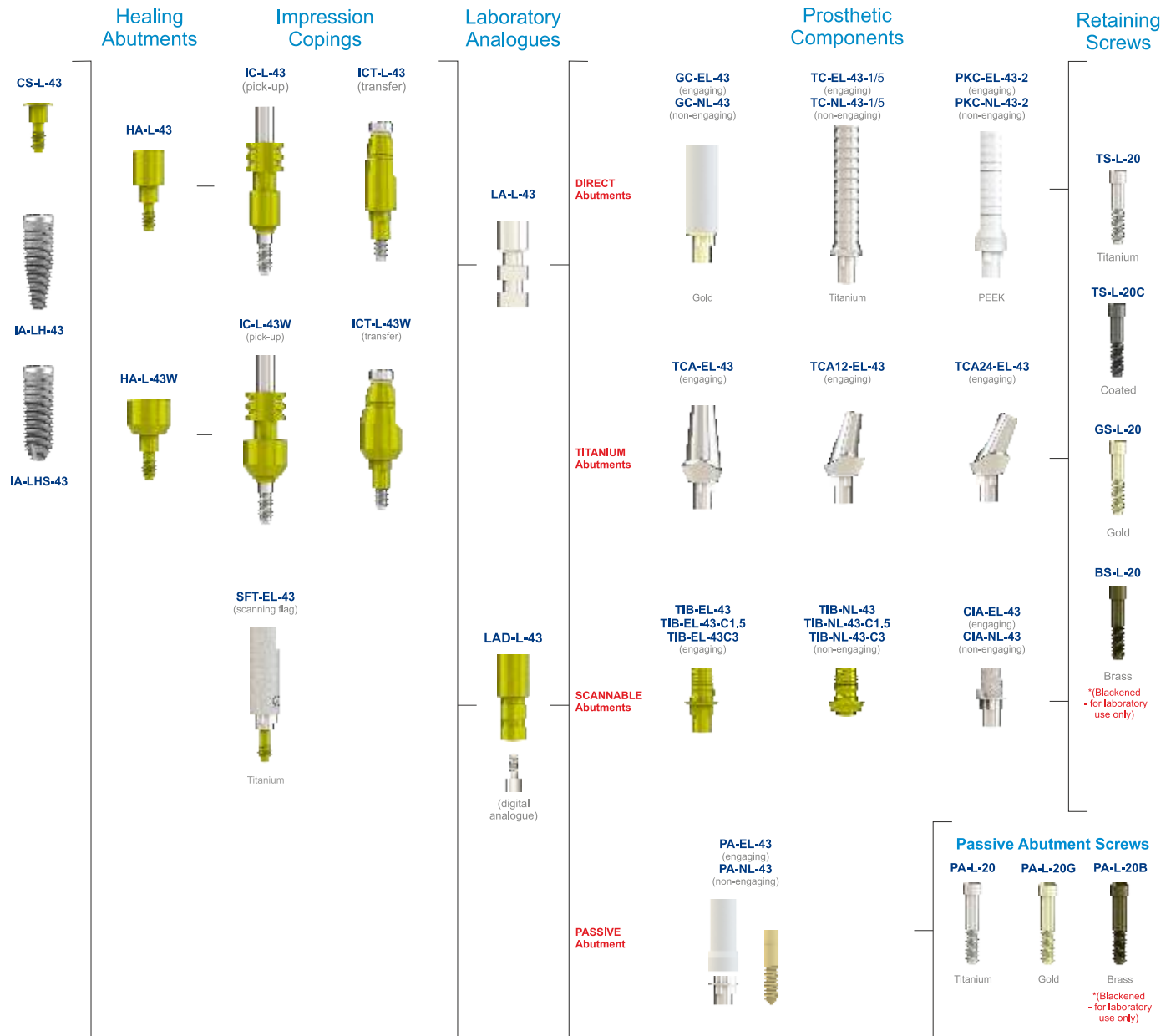
3/5
lengths

HA-L-43W

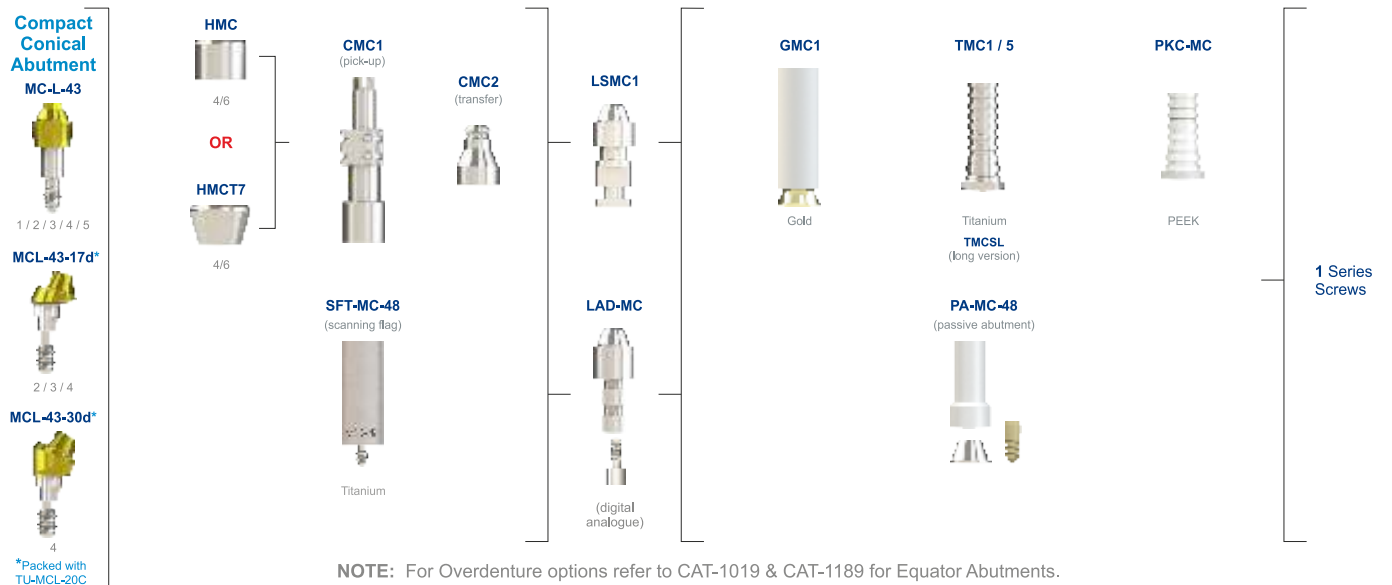


3/5
lengths

Direct



Indirect



NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

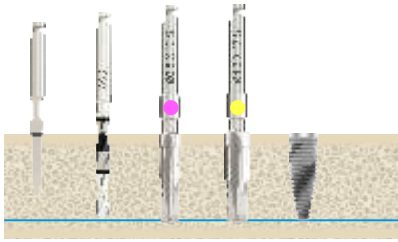
Site Preparation Sequence

Ø4.3mm Tapered (IA-LH-43)

(Illustrations are for 13mm implants)

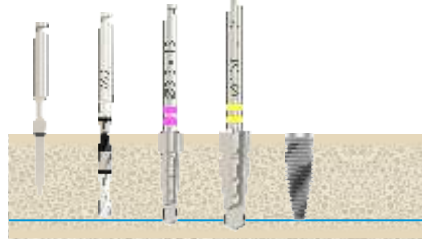
Soft Bone

D-3Spade Ø2.0mm Ø3.5mm Ø4.3mm



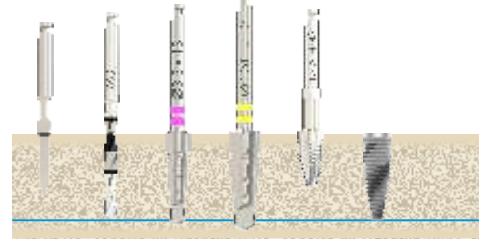
Medium Bone

D-3Spade Ø2.0mm Ø3.5mm Ø4.3mm



Dense Bone

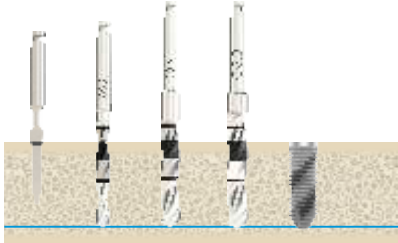
D-3Spade Ø2.0mm Ø3.5mm Ø4.3mm D-TAP-L-43



Ø4.3mm Parallel Walled (IA-LHS-43)

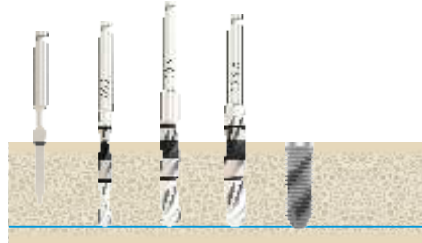
Soft Bone

D-3Spade Ø2.0mm Ø3.0mm Ø3.3mm



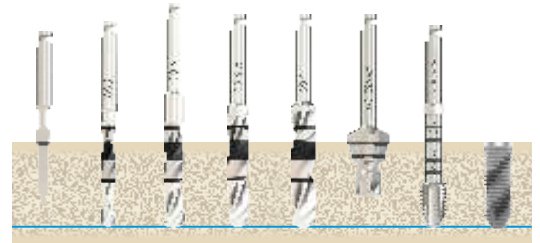
Medium Bone

D-3Spade Ø2.0mm Ø3.0mm Ø3.5mm



Dense Bone

D-3Spade Ø2.0mm Ø3.0mm Ø3.5mm Ø4.0mm DCSS-5 D-TAP-LS-43



NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.

Instrumentation



Placement Tools

I-HLH-43S/M I-HLHU-43S/M I-WI-LH43S/M



To fit W&H Handpiece



Universal Handpiece



To fit Wrench

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-UGI-S/M/L



Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert converters.
 - Most Instruments available in various lengths.
 - Refer to page 46 for Insertion Tool Protocols.

TRI-NEX

Ø5.0mm

Ø5.0mm Implants (Tapered & Parallel Walled)

Tapered



IA-LH-50

Parallel Walled



IA-LHS-50

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE TAPERED	IMPLANT LENGTH (in mm)
IA-LH-50-8	8.5
IA-LH-50-10	10.5
IA-LH-50-11.5	12.0
IA-LH-50-13	13.5
IA-LH-50-16	16.5

ITEM CODE PARALLEL WALLED	IMPLANT LENGTH (in mm)
IA-LHS-50-8	8.5
IA-LHS-50-10	10.5
IA-LHS-50-11.5	12.0
IA-LHS-50-13	13.5
IA-LHS-50-15	15.5

Surgical Components

Cover Screw

CS-L-50



Healing Abutments

HA-L-50



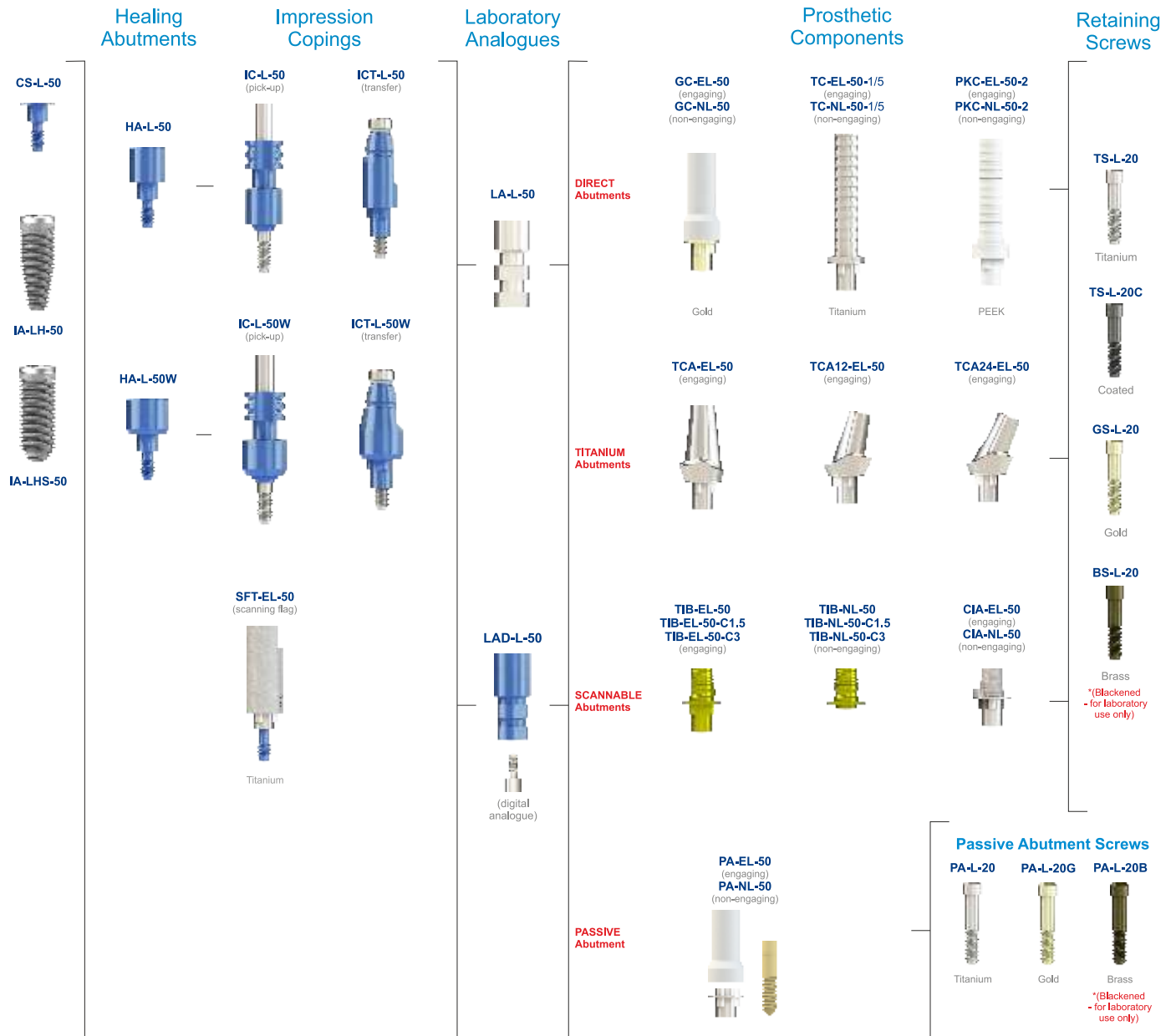
3/5
lengths

HA-L-50W



3/5
lengths

Direct



NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

Indirect

Compact Conical Abutment



OR



Healing Caps



Impression Copings



Laboratory Analogues



Prosthetic Components



Retaining Screws

1 Series Screws

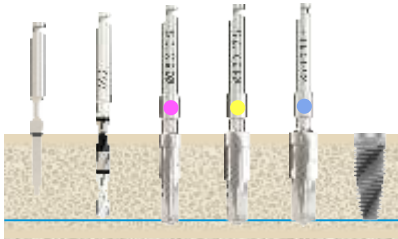
Site Preparation Sequence

Ø5.0mm Tapered (IA-LH-50)

(Illustrations are for 13mm implants)

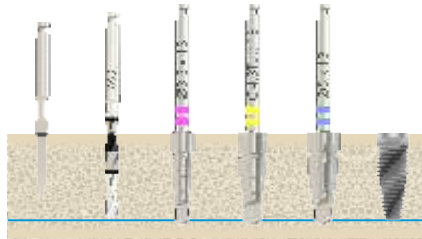
Soft Bone

D-3Spade Ø2.0mm Ø3.5mm Ø4.3mm Ø5.0mm



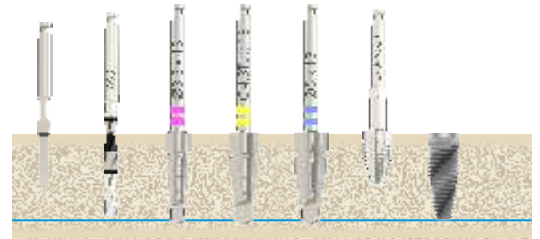
Medium Bone

D-3Spade Ø2.0mm Ø3.5mm Ø4.3mm Ø5.0mm



Dense Bone

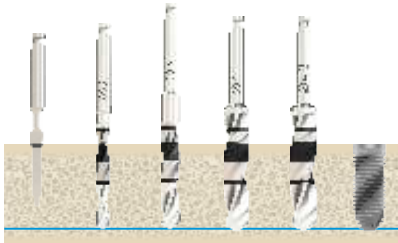
D-3Spade Ø2.0mm Ø3.5mm Ø4.3mm Ø5.0mm D-TAP-L-50



Ø5.0mm Parallel Walled (IA-LHS-50)

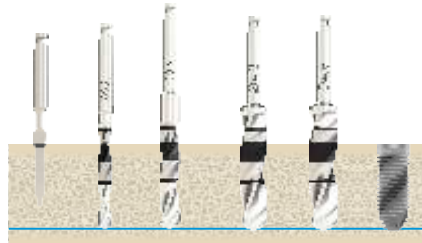
Soft Bone

D-3Spade Ø2.0mm Ø3.0mm Ø4.0mm Ø4.3mm



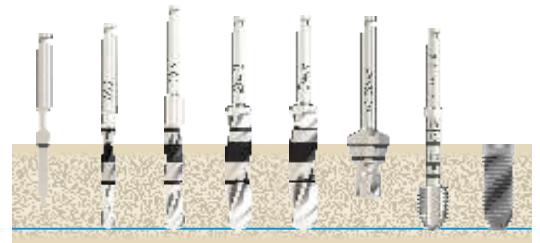
Medium Bone

D-3Spade Ø2.0mm Ø3.0mm Ø4.3mm Ø4.6mm



Dense Bone

D-3Spade Ø2.0mm Ø3.0mm Ø4.3mm Ø4.6mm DCSS-5 D-TAP-L-50



NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.

Instrumentation



Placement Tools

I-HLH-50S/M I-HLHU-50S/M I-WI-LH50S/M



To fit W&H Handpiece



Universal Handpiece



To fit Wrench

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-UGI-S/M/L



Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.
 - Most Instruments available in various lengths.
 - Refer to page 46 for Insertion Tool Protocols.



TRI-NEX

Ø6.0mm



IA-LH-60

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE TAPERED	IMPLANT LENGTH (in mm)
IA-LH-60-8	8.5
IA-LH-60-10	10.5
IA-LH-60-11.5	12.0
IA-LH-60-13	13.5
IA-LH-60-16	16.5

Surgical Components

Cover Screw

CS-L-60



Healing Abutments

HA-L-60



3/5
lengths

HA-L-60W



3/5
lengths

Direct

Healing Abutments



HA-L-60



HA-L-60W



Impression Copings

IC-L-60



IC-L-60W



ICT-L-60



ICT-L-60W



SFT-EL-60

(scanning flag)



Titanium

Laboratory Analogues

LA-L-60



LAD-L-60



(digital analogue)

Prosthetic Components

GC-EL-60 (engaging)
GC-NL-60 (non-engaging)



Gold

TC-EL-60-1/5 (engaging)
TC-NL-60-1/5 (non-engaging)



Titanium

PKC-EL-60-2 (engaging)
PKC-NL-60-2 (non-engaging)



PEEK

TCA-EL-60 (engaging)



TCA12-EL-60 (engaging)



TIB-EL-60
TIB-EL-60-C1,5
TIB-EL-60-C3 (engaging)



TIB-NL-60
TIB-NL-60-C1,5
TIB-NL-60-C3 (non-engaging)



CJA-EL-60 (engaging)
CJA-NL-60 (non-engaging)



PA-EL-60 (engaging)
PA-NL-60 (non-engaging)



Passive Abutment Screws

PA-L-20



Titanium

PA-L-20G



Gold

PA-L-20B



Brass

*(Blackened - for laboratory use only)

DIRECT Abutments

TITANIUM Abutments

SCANNABLE Abutments

PASSIVE Abutment

TS-L-20



Titanium

TS-L-20C



Coated

GS-L-20



Gold

BS-L-20



Brass

*(Blackened - for laboratory use only)

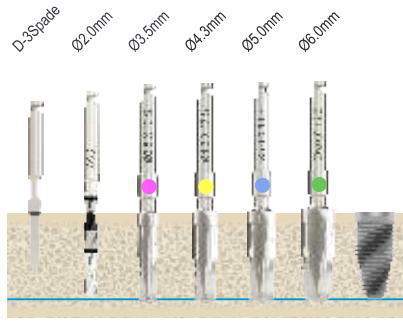
NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

Site Preparation Sequence

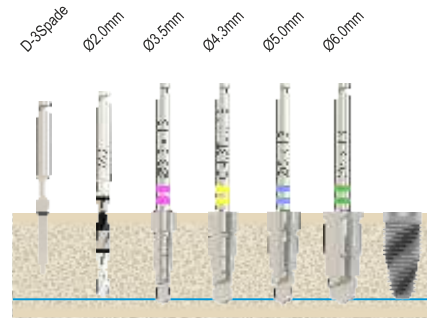
Ø6.0mm Tapered (IA-LH-60)

(Illustration is for 13mm implant)

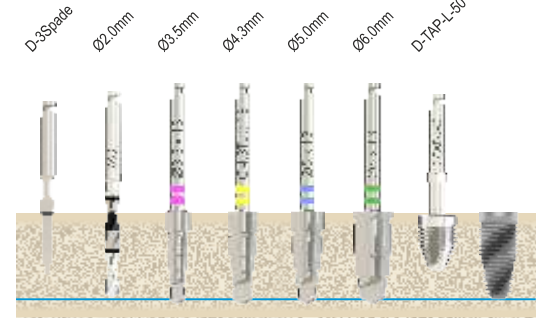
Soft Bone



Medium Bone



Dense Bone



NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.

Instrumentation



Placement Tools

I-HLH-60S/M



To fit W&H Handpiece

I-HLHU-60S/M



Universal Handpiece

I-WI-LH60



To fit Wrench

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-UGI-S/M/L



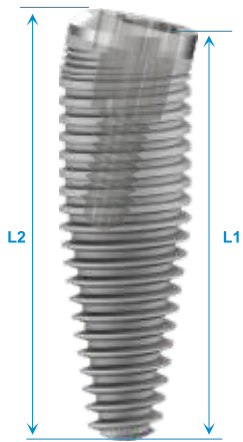
Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.
 - Most Instruments available in various lengths.
 - Refer to page 46 for Insertion Tool Protocols.

TRI-NEX CO-AXIS®

Ø4.3mm

 Restore with Ø3.5 interface components



IA43-12d

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)	
	L1	L2
IA43-12d-10	10.5	11.3
IA43-12d-11.5	12.0	12.8
IA43-12d-13	13.5	14.3
IA43-12d-16	16.5	17.3

Surgical Components

Cover Screw

Healing Abutments

CS-L-35



HA-L-35



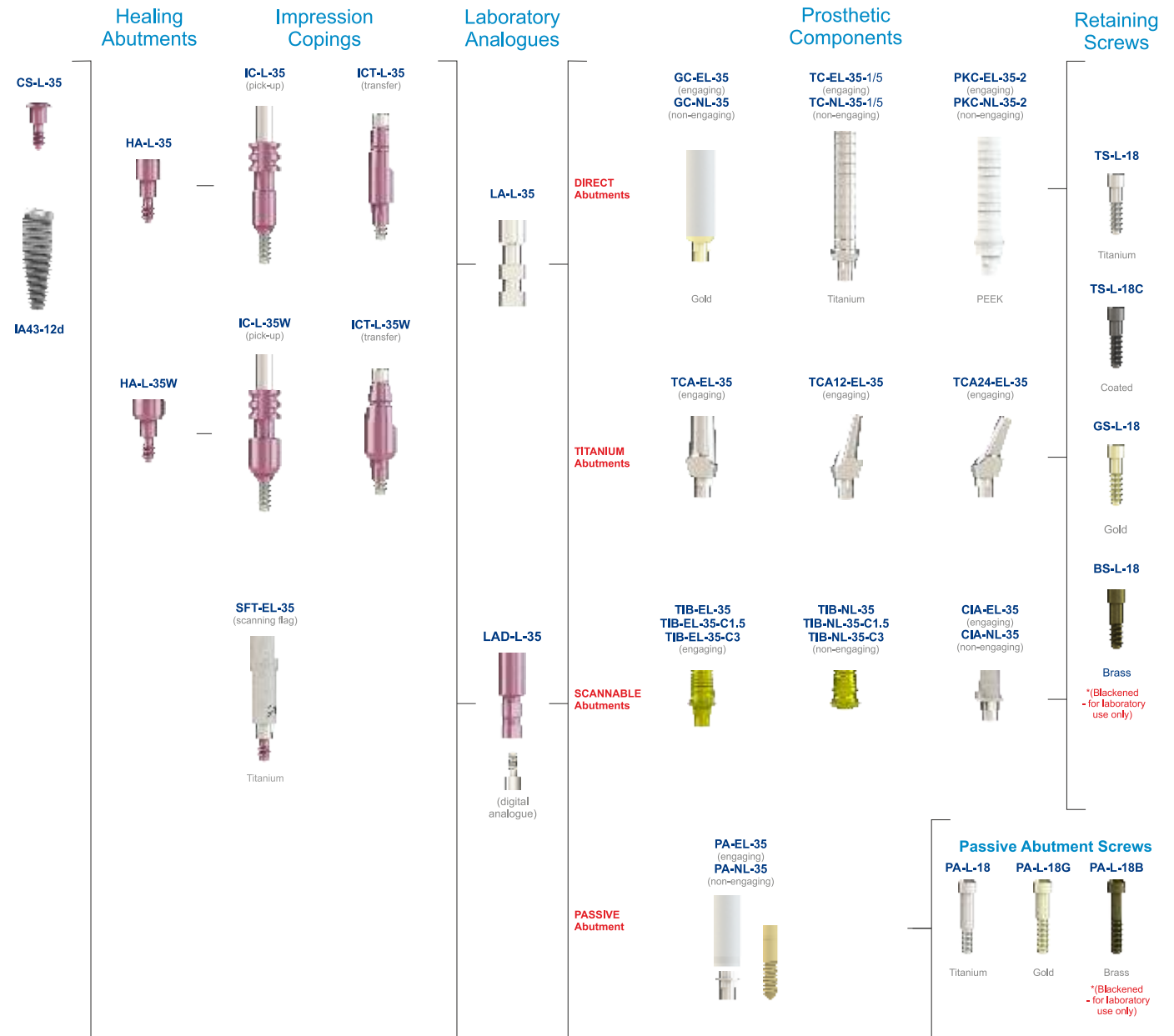
3/5/7 lengths

HA-L-35W

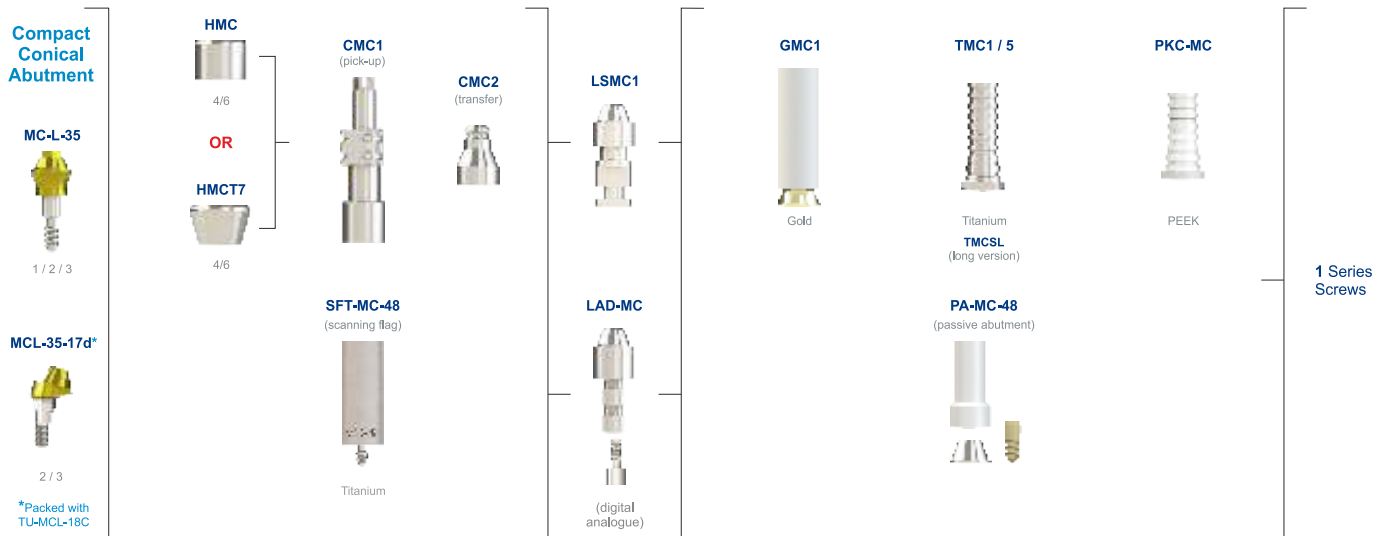


3/5 lengths

Direct



Indirect



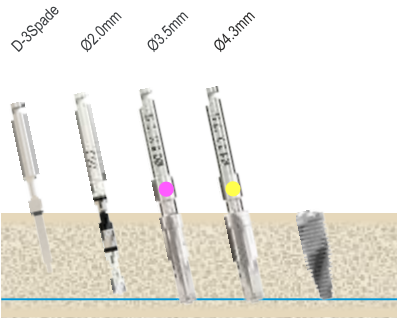
NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

Site Preparation Sequence

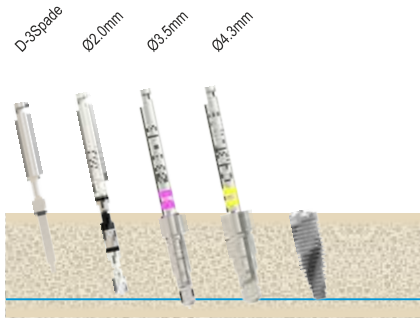
Ø4.3mm Tapered Co-Axis® (IA43-12d)

(Illustration is for 13mm implant)

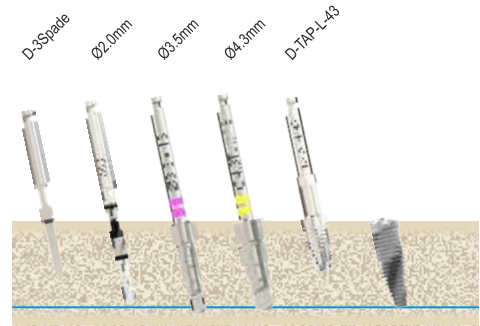
Soft Bone



Medium Bone



Dense Bone



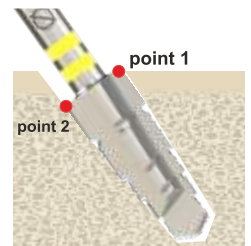
NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.

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.



Instrumentation



Placement Tools

I-L43-12d



To fit W&H Handpiece

I-WIL-43-12d



To fit Wrench

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-UGI-S/M/L



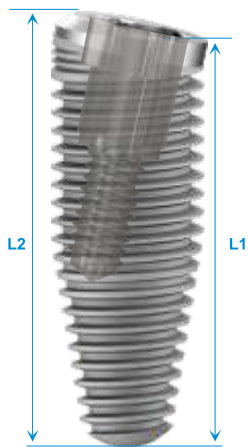
Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.
- Most Instruments available in various lengths.
- Refer to page 46 for Insertion Tool Protocols.

TRI-NEX CO-AXIS[®]

Ø5.0mm

 Restore with Ø4.3 interface components



IA50-12d

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE TAPERED	IMPLANT LENGTHS (in mm)	
	L1	L2
IA50-12d-10	10.5	11.4
IA50-12d-11.5	12.0	12.9
IA50-12d-13	13.5	14.4
IA50-12d-16	16.5	17.4

Surgical Components

Cover Screw

Healing Abutments

CS-L-43



HA-L-43



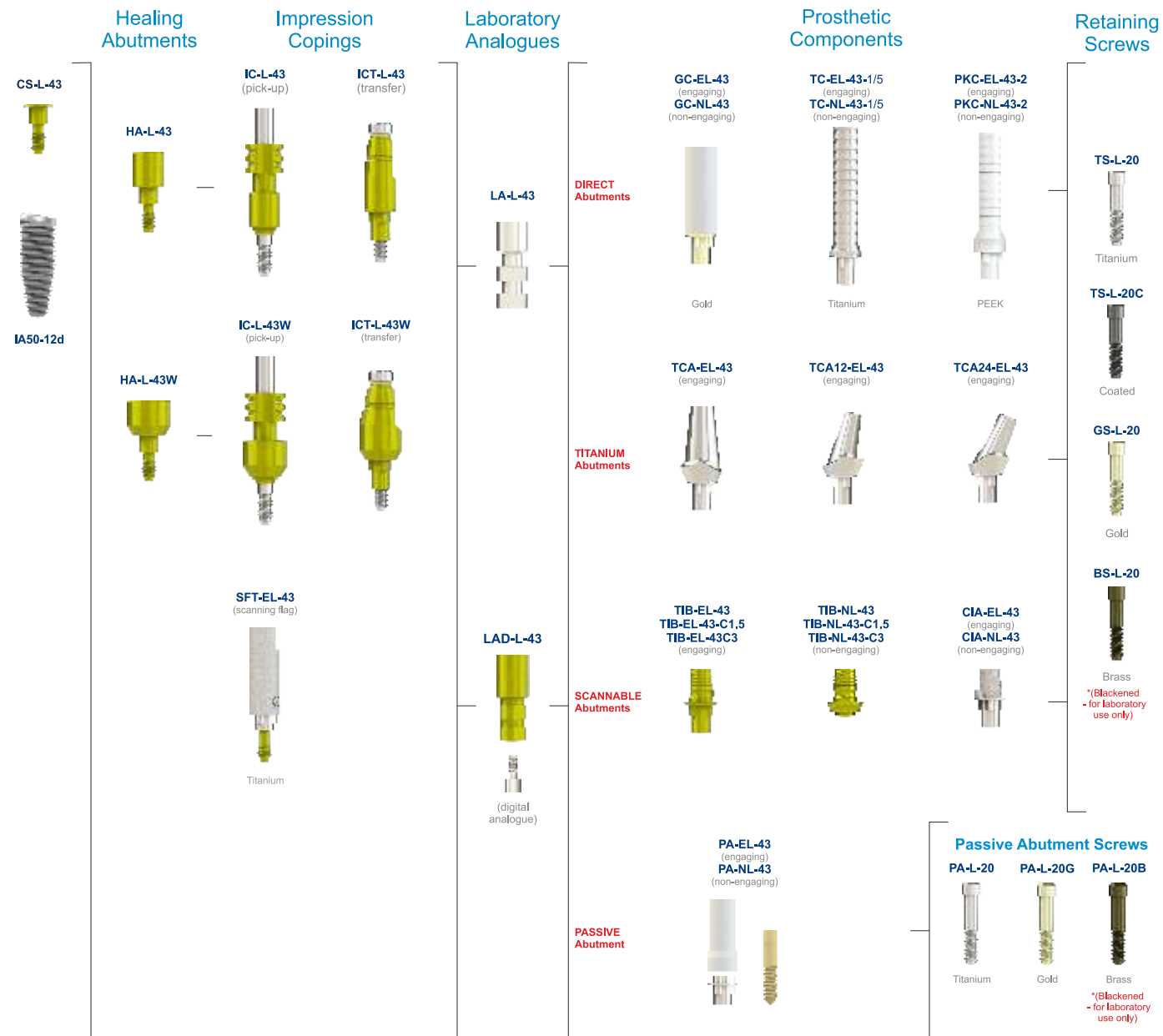
3/5 lengths

HA-L-43W

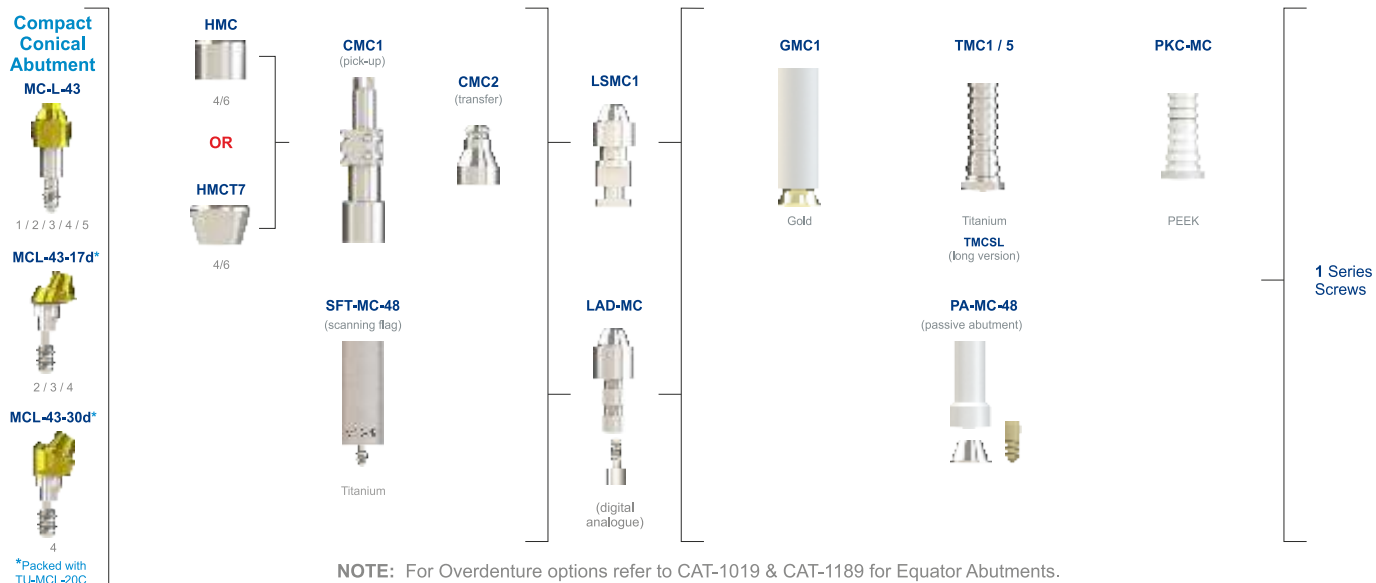


3/5 lengths

Direct



Indirect



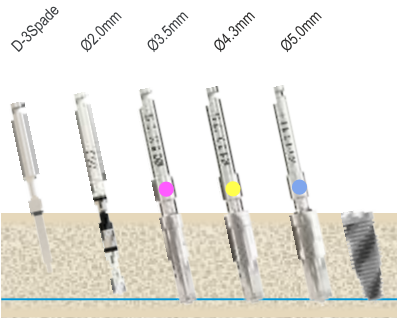
NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

Site Preparation Sequence

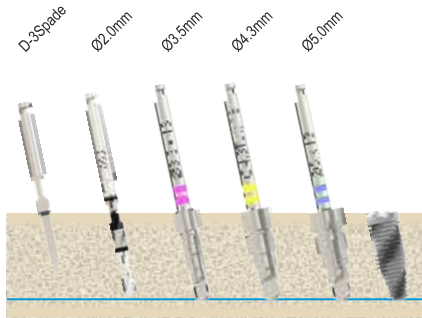
Ø5.0mm Tapered Co-Axis® (IA50-12d)

(Illustration is for 13mm implant)

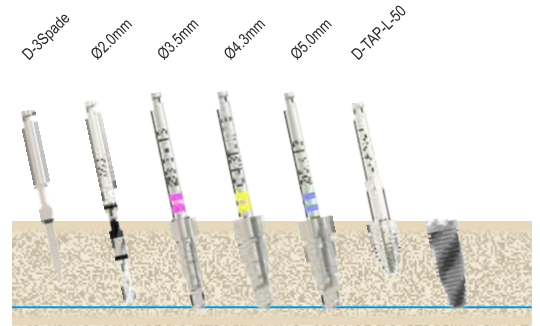
Soft Bone



Medium Bone



Dense Bone



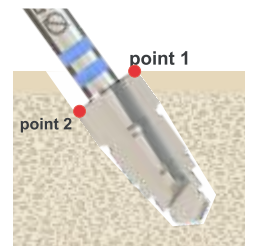
NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.

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.



Instrumentation



Placement Tools

I-L50-12d



To fit W&H Handpiece

I-WIL-50-12d



To fit Wrench

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-UGI-S/M/L



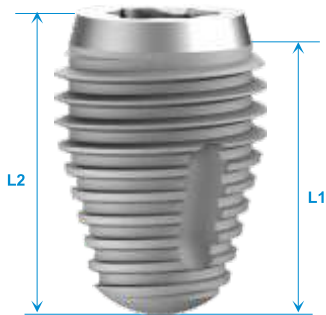
Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.
- Most Instruments available in various lengths.
- Refer to page 46 for Insertion Tool Protocols.

TRI-MAX[®]

Ø7.0mm

 Restore with **Ø5.0** interface components



TRI-MAX7

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE	IMPLANT LENGTHS (in mm)	
	L1	L2
TRI-MAX7-7	7.0	8.9
TRI-MAX7-9	9.0	10.0
TRI-MAX7-11	11.0	11.6

Surgical Components

Cover Screw

CS-L-50



Healing Abutments

HA-L-50



3/5 lengths

HA-L-50W



3/5 lengths

Direct

Healing Abutments



CS-L-50



HA-L-50



HA-L-50W

Impression Copings



IC-L-50
(pick-up)



IC-L-50W
(pick-up)



SFT-EL-50
(scanning flag)

Titanium



ICT-L-50
(transfer)



ICT-L-50W
(transfer)

Laboratory Analogues



LA-L-50



LAD-L-50

(digital analogue)

Prosthetic Components

GC-EL-50
(engaging)
GC-NL-50
(non-engaging)



Gold

TCA-EL-50
(engaging)



TIB-EL-50
TIB-EL-50-C1,5
TIB-EL-50-C3
(engaging)



PA-EL-50
(engaging)
PA-NL-50
(non-engaging)



TC-EL-50-1/5
(engaging)
TC-NL-50-1/5
(non-engaging)



Titanium

TCA12-EL-50
(engaging)



TIB-NL-50
TIB-NL-50-C1,5
TIB-NL-50-C3
(non-engaging)



PKC-EL-50-2
(engaging)
PKC-NL-50-2
(non-engaging)



PEEK

TCA24-EL-50
(engaging)



CJA-EL-50
(engaging)
CJA-NL-50
(non-engaging)



Retaining Screws



TS-L-20

Titanium



TS-L-20C

Coated



GS-L-20

Gold



BS-L-20

Brass
*(Blackened - for laboratory use only)

Passive Abutment Screws



PA-L-20

Titanium



PA-L-20G

Gold



PA-L-20B

Brass
*(Blackened - for laboratory use only)

DIRECT Abutments

TITANIUM Abutments

SCANNABLE Abutments

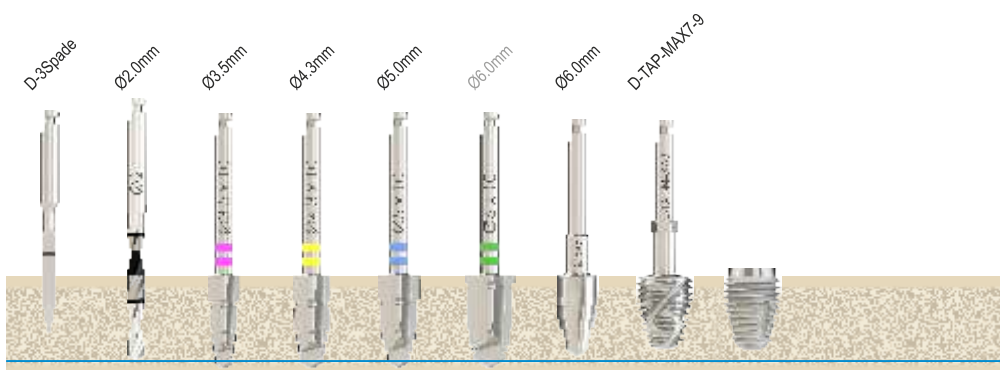
PASSIVE Abutment

NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

Site Preparation Sequence

Ø7.0mm Tapered (TRI-MAX7)

(illustration is for 9mm length implant)



NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
 - Drill length of intermediate drills may differ from the length of definitive drills.

Additional Drills & Instrumentation

Dedicated Drills

D-MAX6-7 D-MAX6-9 D-MAX6-11



(Optional intermediate drill)

D-70TP-7 D-70TP-9 D-70TP-11



NOTE: Longer Shaft Lengths available

Dedicated Taps

D-TAP-MAX7-7 D-TAP-MAX7-9 D-TAP-MAX7-11



Profile Gauges

MAX-7-PG-7 D-MAX-7-PG-9 D-MAX-7-PG-11



Placement Tools

I-HLH-50S/M I-HLHU-50S/M I-WI-LH50S/M



To fit W&H Handpiece

Universal Handpiece

To fit Wrench

Converters

I-WI-CST I-WI-SS



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



For SQUARE connection of fixture mounts and instruments

Drivers

I-UGI-S/M/L



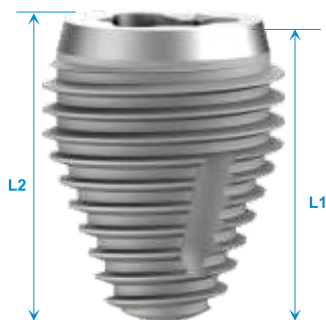
Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.
 - Most Instruments available in various lengths.
 - Refer to page 46 for Insertion Tool Protocols.

TRI-MAX[®]

Ø8.0mm

 Restore with **Ø6.0** interface components



TRI-MAX8

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE	IMPLANT LENGTHS (in mm)	
	L1	L2
TRI-MAX8-7	7.0	8.9
TRI-MAX8-9	9.0	10.0
TRI-MAX8-11	11.0	11.6

Surgical Components

Cover Screw

CS-L-60



Healing Abutments

HA-L-60



3/5 lengths

HA-L-60W



3/5 lengths

Direct

Healing Abutments



HA-L-60



HA-L-60W



Impression Copings

IC-L-60



IC-L-60W



ICT-L-60



ICT-L-60W



SFT-EL-60

(scanning flag)



Titanium

Laboratory Analogues

LA-L-60



LAD-L-60



(digital analogue)

Prosthetic Components

GC-EL-60 (engaging)
GC-NL-60 (non-engaging)



Gold

TC-EL-60-1/5 (engaging)
TC-NL-60-1/5 (non-engaging)



Titanium

PKC-EL-60-2 (engaging)
PKC-NL-60-2 (non-engaging)



PEEK

TCA-EL-60 (engaging)



TCA12-EL-60 (engaging)



TIB-EL-60
TIB-EL-60-C1,5
TIB-EL-60-C3 (engaging)



TIB-NL-60
TIB-NL-60-C1,5
TIB-NL-60-C3 (non-engaging)



CJA-EL-60 (engaging)
CJA-NL-60 (non-engaging)



PA-EL-60 (engaging)
PA-NL-60 (non-engaging)



Passive Abutment Screws

PA-L-20



Titanium

PA-L-20G



Gold

PA-L-20B



Brass

*(Blackened - for laboratory use only)

DIRECT Abutments

TITANIUM Abutments

SCANNABLE Abutments

PASSIVE Abutment

TS-L-20



Titanium

TS-L-20C



Coated

GS-L-20



Gold

BS-L-20



Brass

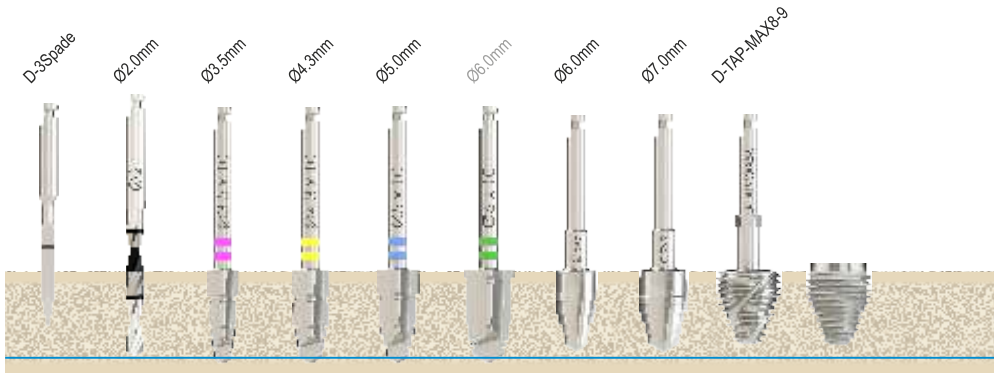
*(Blackened - for laboratory use only)

NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

Site Preparation Sequence

Ø8.0mm Tapered (TRI-MAX8)

(illustration is for 9mm length implant)



NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
 - Drill length of intermediate drills may differ from the length of definitive drills.

Additional Drills & Instrumentation

Dedicated Drills

D-80TP-7 D-80TP-9 D-80TP-11



NOTE: Longer Shaft Lengths available

Dedicated Taps

D-TAP-MAX8-7 D-TAP-MAX8-9 D-TAP-MAX8-11



Profile Gauges

MAX-8-PG-7 D-MAX-8-PG-9 D-MAX-8-PG-11



Placement Tools

I-HLH-60S/M I-HLHU-60S/M I-WI-LH60



To fit W&H Handpiece

Universal Handpiece



To fit Wrench

Converters

I-WI-CST I-WI-SS



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



For SQUARE connection of fixture mounts and instruments

Drivers

I-UGI-S/M/L



Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.
 - Most Instruments available in various lengths.
 - Refer to page 46 for Insertion Tool Protocols.

TRI-MAX[®]

Ø9.0mm

 Restore with **Ø6.0** interface components



TRI-MAX9

Implants are available in lengths of:

NOTE: Implant dimensions and information - page 54

ITEM CODE	IMPLANT LENGTHS (in mm)	
	L1	L2
TRI-MAX9-7	7.0	8.9
TRI-MAX9-9	9.0	10.0
TRI-MAX9-11	11.0	11.6

Surgical Components

Cover Screw

CS-L-60



Healing Abutments

HA-L-60



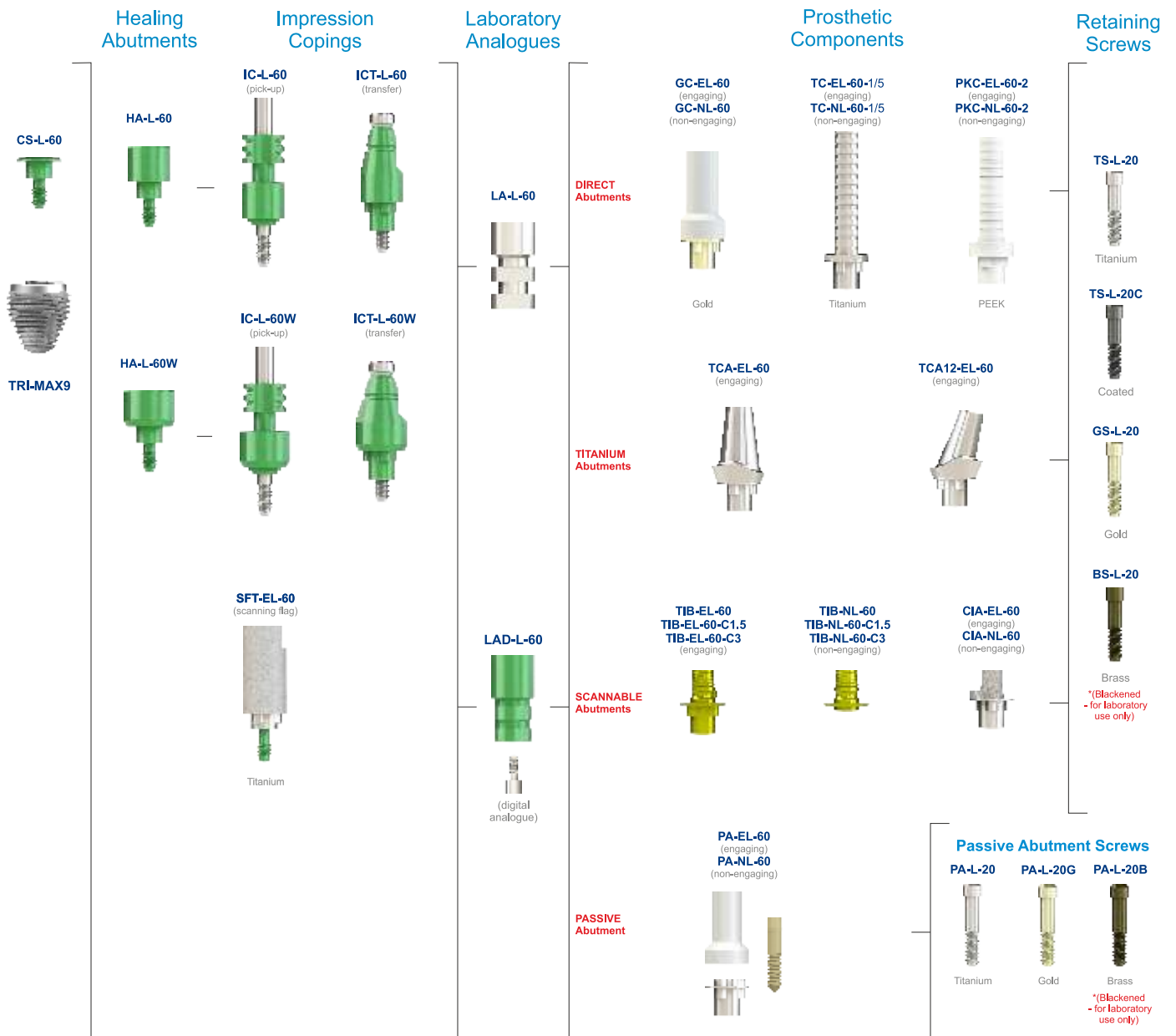
3/5 lengths

HA-L-60W



3/5 lengths

Direct

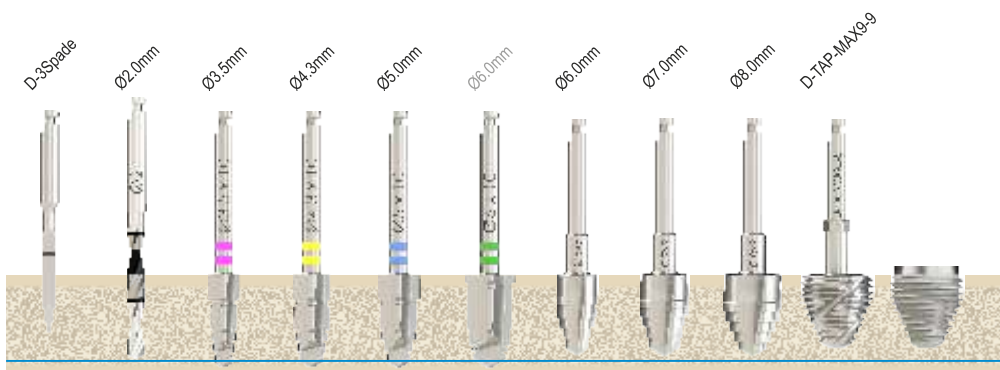


NOTE: For Overdenture options refer to CAT-1019 & CAT-1189 for Equator Abutments.

Site Preparation Sequence

Ø9.0mm Tapered (TRI-MAX9)

(illustration is for 9mm length implant)



NOTE: - Site preparation sequences recommended by Southern Implants do not replace the judgement and experience of the surgeon.
 - Drill length of intermediate drills may differ from the length of definitive drills.

Additional Drills & Instrumentation

Dedicated Drills

D-90TP-7 D-90TP-9 D-90TP-11



NOTE: Longer Shaft Lengths available

Dedicated Taps

D-TAP-MAX9-7 D-TAP-MAX9-9 D-TAP-MAX9-11



Profile Gauges

MAX-9-PG-7 D-MAX-9-PG-9 D-MAX-9-PG-11



Placement Tools

I-HLH-60S/M I-HLHU-60S/M I-WI-LH60



To fit W&H Handpiece



Universal Handpiece



To fit Wrench

Converters

I-WI-CST I-WI-SS



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



For SQUARE connection of fixture mounts and instruments

Drivers

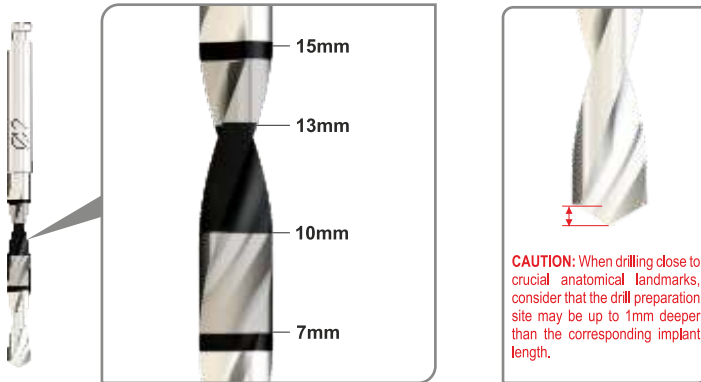
I-UGI-S/M/L



Unigrip Driver

NOTE: - Refer to CAT-1155 for more information on wrench insert Converters.
 - Most Instruments available in various lengths.
 - Refer to page 46 for Insertion Tool Protocols.

Twist Drill Markings

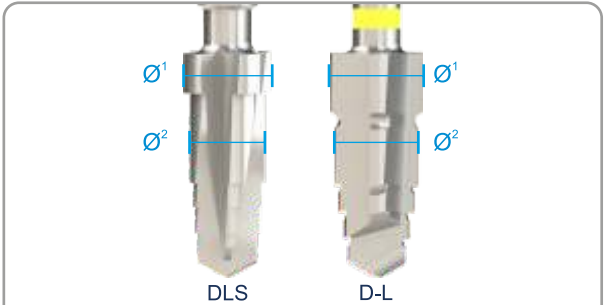


Soft Bone Drills



- CODES**
 DLS-35-8 / 10 / 11.5 / 13 / 16
 DLS-43-8 / 10 / 11.5 / 13 / 16
 DLS-50-8 / 10 / 11.5 / 13 / 16
 DLS-60-8 / 10 / 11.5 / 13 / 16

The different collar markings stand proud from the tray to ensure easy selection.



The regular tapered drills (D-L-35/43/50/60) are recommended for medium to hard bone and the slightly slimmer versions (DLS-35/43/50/60) are more suitable for use where the patient presents with soft to medium bone.

Medium/Hard Bone Drills



- CODES**
 D-L-35-8 / 10 / 11.5 / 13 / 16
 D-L-43-8 / 10 / 11.5 / 13 / 16
 D-L-50-8 / 10 / 11.5 / 13 / 16
 D-L-60-8 / 10 / 11.5 / 13 / 16

DLS			D-L		
CODES	Ø¹	Ø²	CODES	Ø¹	Ø²
DLS-35	3.8	3.0	D-L-35	3.9	3.2
DLS-43	4.3	3.7	D-L-43	4.6	4.2
DLS-50	5.0	4.4	D-L-50	5.1	4.5
DLS-60	6.0	5.4	D-L-60	6.1	5.5

Taps - Tapered



- CODES**
 D-TAP-L-35
 D-TAP-L-43
 D-TAP-L-50
 D-TAP-L-60

D-TAP-L-43

Taps - Cylindrical



- CODES**
 D-TAP-LS-35
 D-TAP-LS-43
 D-TAP-LS-50

D-TAP-LS-43

Unigrip Drivers

HANDHELD



I-UGI-S/M/L

HANDPIECE



I-HUG-S/M/L

WRENCH



I-WI-UG-S/M/L

Abutment Drivers (for Compact Conical Abutments)

HANDHELD



I-AD

HANDPIECE



I-HAD

WRENCH



I-WI-A

HEX Drivers

HANDHELD



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

HANDPIECE



I-HHD-22U-S/M/L

WRENCH



I-WI-22U-S/M/L

NOTE: Refer to CAT-1203 for alternative Drivers

TORQUE TABLE FOR SOUTHERN SCREWS

Unigrip Prosthetic screws

M1.8



TS-L-18 TS-L-18C (coated) GS-L-18 BS-L-18*

Note: Screw TORQUE with PEEK Prosthetics: 15Ncm

TORQUE:
32Ncm
Head
Diameter:
2.50mm

M2



TS-L-20 TS-L-20C (coated) GS-L-20 BS-L-20*

Note: Screw TORQUE with PEEK Prosthetics: 20Ncm

TORQUE:
32-40Ncm
Head
Diameter:
2.50mm

Unigrip Passive Abutment screws

M1.8



PA-L-18 PA-L-18G PA-L-18B*

TORQUE:
32Ncm
Head
Diameter:
2.70mm

M2



PA-L-20 PA-L-20G PA-L-20B*

TORQUE:
32-40Ncm
Head
Diameter:
2.70mm

Digital Laboratory Analogue screw

1.22 Hex



LAD-S

TORQUE:
Finger tighten
Head
Diameter:
2.40mm

NOTE: Screw supplied with all Digital Analogues

TIB Abutment Screw

1.22 Hex



TS-IT-TIB

TORQUE:
32-40Ncm
Head
Diameter:
2.40mm

1 Series screws

M1.4

1.22 Hex



TSH1 GSH1 BSH1*

Unigrip



TSU1 GSU1

Note: Screw TORQUE with PEEK Prosthetics: 10 - 15Ncm

TORQUE:
10-15Ncm
Head
Diameter:
2.25mm

Angled Compact Conical Abutment screws



TU-MCL-18C (coated) GU-MCL-18

TORQUE:
20Ncm
Head
Diameter:
2.25mm



TU-MCL-20C (coated) GU-MCL-20

TORQUE:
20Ncm
Head
Diameter:
2.45mm

- 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.
 - (Blackened and for laboratory use only)

Screw Head Connections

Hex



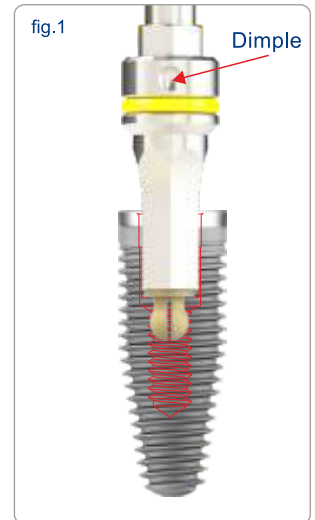
Unigrip



Implant Placement for TRI-NEX & TRI-MAX Implants

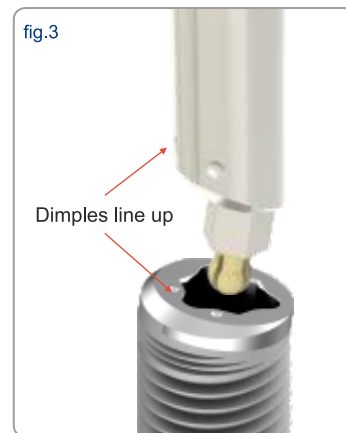
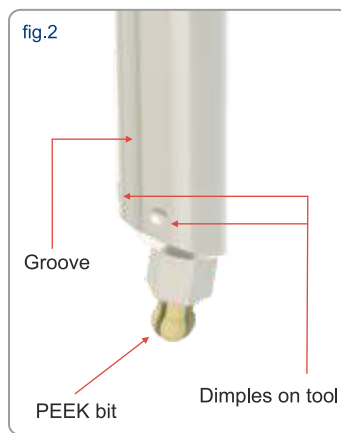
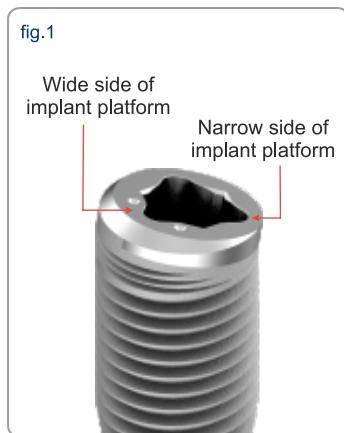
Pick-up and placement procedure

1. The tool I-HLH is used to pick up the implant from the packaging.
2. The dimples of the tool and lobes of the implant should line up. This allows alignment of a lobe buccally.
3. The hexagon must be fully engaged before torque is applied to the implant, to prevent any damage. The hexagon is fully engaged when the straight portion of the hexagon tool is almost completely sunken in the implant (fig.1).
4. The implant is placed in the prepared site and screwed in with a motor unit at 10-15 rpm while applying downwards pressure.



Instructions for inserting the Insertion Tool for the TRI-NEX Co-Axis™ Implant

1. Identify the two dimples on the implant platform. This side lines up with one of the lobes (fig.1).
2. Identify the dimples on the insertion tool (fig.2).
3. Line up the dimples on the insertion tool with the dimples on the implant platform (fig.3). Push the tool into the implant until the insertion tool fits flush with the implant.



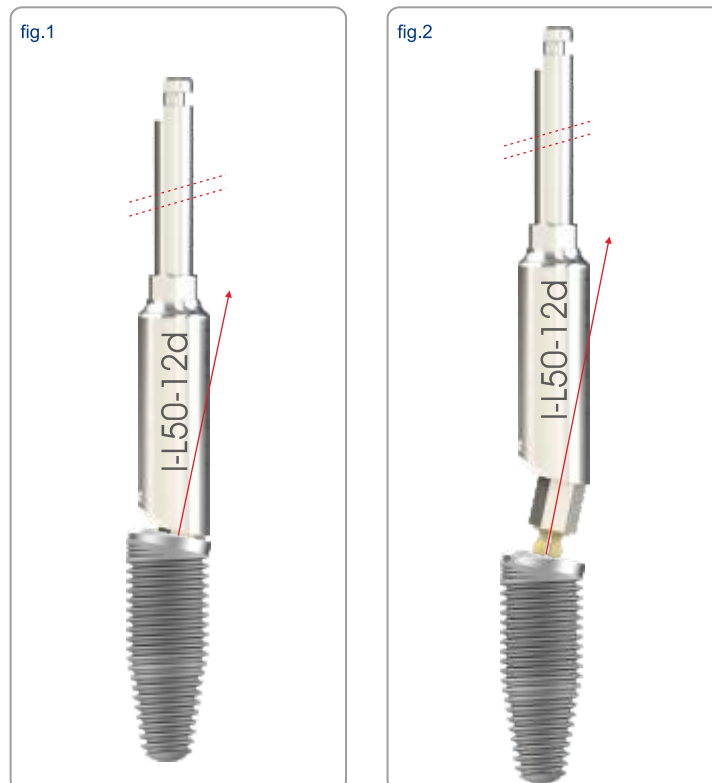
Important: The PEEK bits (I-PBIT-L18 /L20) should be replaced on a regular basis. General wear & tear are to be expected with regular use. (Items sold separately)

NOTE: - I-PBIT-L18 for Ø3.5mm interface instrumentation only.
 - I-PBIT-L20 for Ø4.3mm, Ø5.0mm & Ø6.0mm interface instrumentation.

Insertion Tool Removal Protocol

1. To remove the insertion tool from the implant, pull the insertion tool in the direction perpendicular to restorative platform and parallel to prosthetic axis (fig.1).
2. The insertion tool will be removed in the direction of the pulling force (fig.2).

NOTE: Do not detach the insertion tool from implant before final placement is confirmed (after final X-rays are taken). Detach the insertion tool from the hand-piece only.



I-TRI-NEX-EG for surgical placement of TRI-NEX Implants

Upper Tray

Pilot Drills
 D-3Spade-1.8M
 D-RB-MS
 D-12T-M15
 D-16-T

Ø2.0mm Twist Drills
 D-20T-M10
 D-20T-M15

Dedicated Twist Drills

Ø2.5mm D-25T-M15 D-25T-M20	Ø2.9mm D-29T-M15 D-29T-M20	Ø3.0mm D-30T-M10 D-30T-M15	Ø3.3mm D-33T-M10 D-33T-M15
Ø3.5mm D-33T-M15	Ø4.0mm D-40T-M10 D-40T-M15	Ø4.3mm D-30T-M10 D-30T-M15	Ø4.6mm D-30T-M10 D-30T-M15

Universal 1.22/1.27 Hex Drivers

- I-UGI-S/ML Handheld
- I-HUG-S/ML Handpiece Insert
- I-WI-UG-S/ML Wrench Insert

Counter Bore
 D-CB

Counter Sink
 D-CSS-M (Ø4mm)
 D-CSS-5 (Ø5mm)

Primary Drills
 Ø2.0
 Ø2.5
 Ø3.5
 Ø4.3
 Ø5.0

Additional Drills
 Ø2.5 Ø3.5 Ø4.3

Drivers

Placement Tools
 8 10 11.5 13 16
 Ø3.5
 Ø4.3
 Ø5.0
 Ø6.0

Drill / Implant length measure

Compact Conical Abutment Drivers

- I-AD Handheld
- I-HAD Handpiece Insert
- I-WI-A Wrench Insert

INTERMEDIATE TAPERED DRILLS

Ø3.5 D-L-35-8 D-L-35-10 D-L-35-11.5 D-L-35-13 D-L-35-16	Ø4.3 D-L-43-8 D-L-43-10 D-L-43-11.5 D-L-43-13 D-L-43-16
Ø5.0 D-L-50-8 D-L-50-10 D-L-50-11.5 D-L-50-13 D-L-50-16	Ø6.0 D-L-60-8 D-L-60-10 D-L-60-11.5 D-L-60-13 D-L-60-16

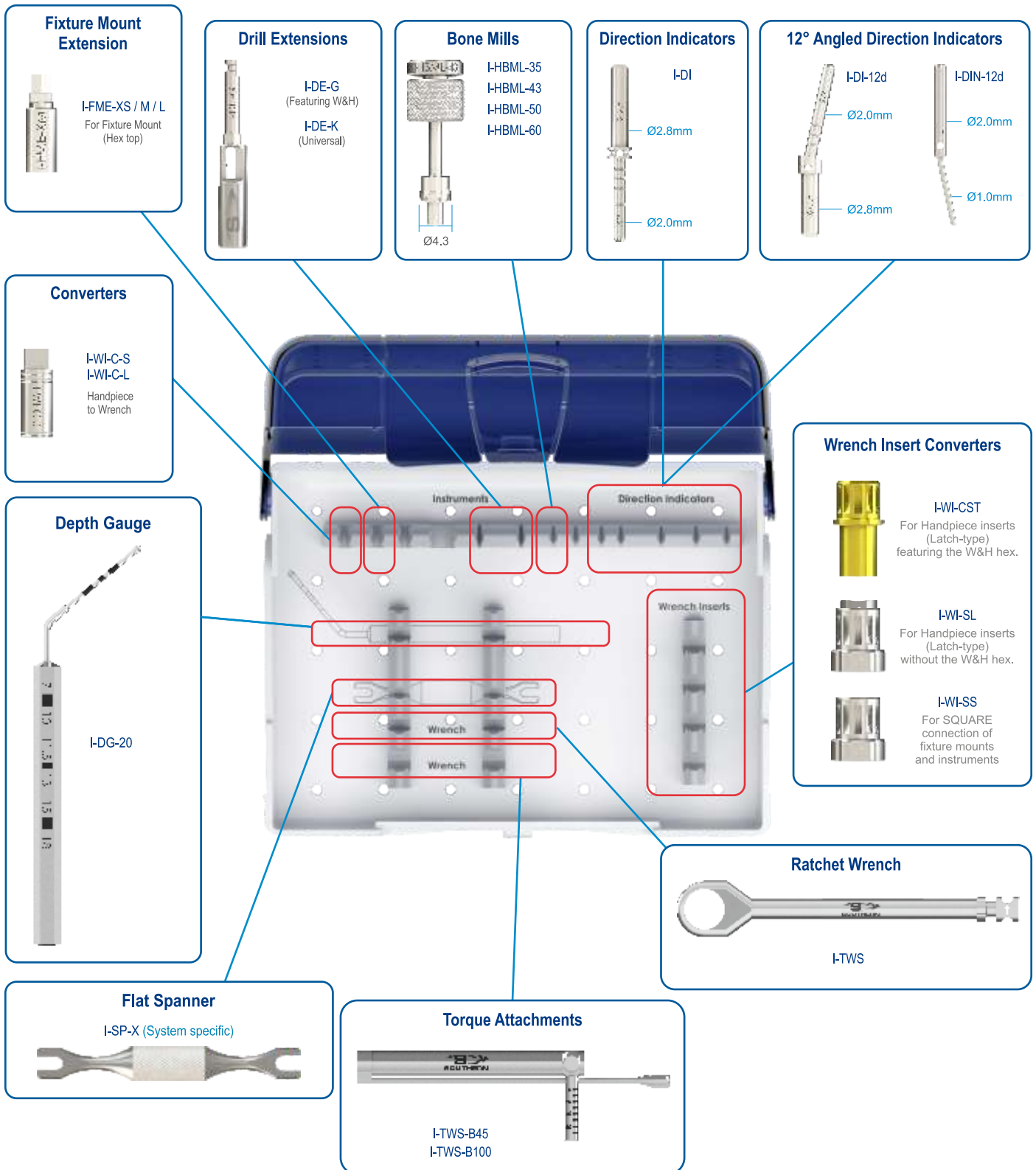
Placement Tools

Ø3.5 I-HLH-35S / M (Handpiece insert) I-HLHU-35S / M (Universal) I-WI-LH-35S / M (Wrench insert)	Ø4.3 I-HLH-43S / M (Handpiece insert) I-HLHU-43S / M (Universal) I-WI-LH-43S / M (Wrench insert)
Ø5.0 I-HLH-50S / M (Handpiece insert) I-HLHU-35S / M (Universal) I-WI-LH-50S / M (Wrench insert)	Ø6.0 I-HLH-60S / M (Handpiece insert) I-HLHU-S / M (Universal) I-WI-LH-60 (Wrench insert)

Placement Tools Co-Axis 12°

- Ø4.3**
I-L43-12d (Handpiece insert)
I-WI-L43-12d (Wrench insert)
- Ø5.0**
I-L50-12d (Handpiece insert)
I-WI-L50-12d (Wrench insert)

Lower Tray

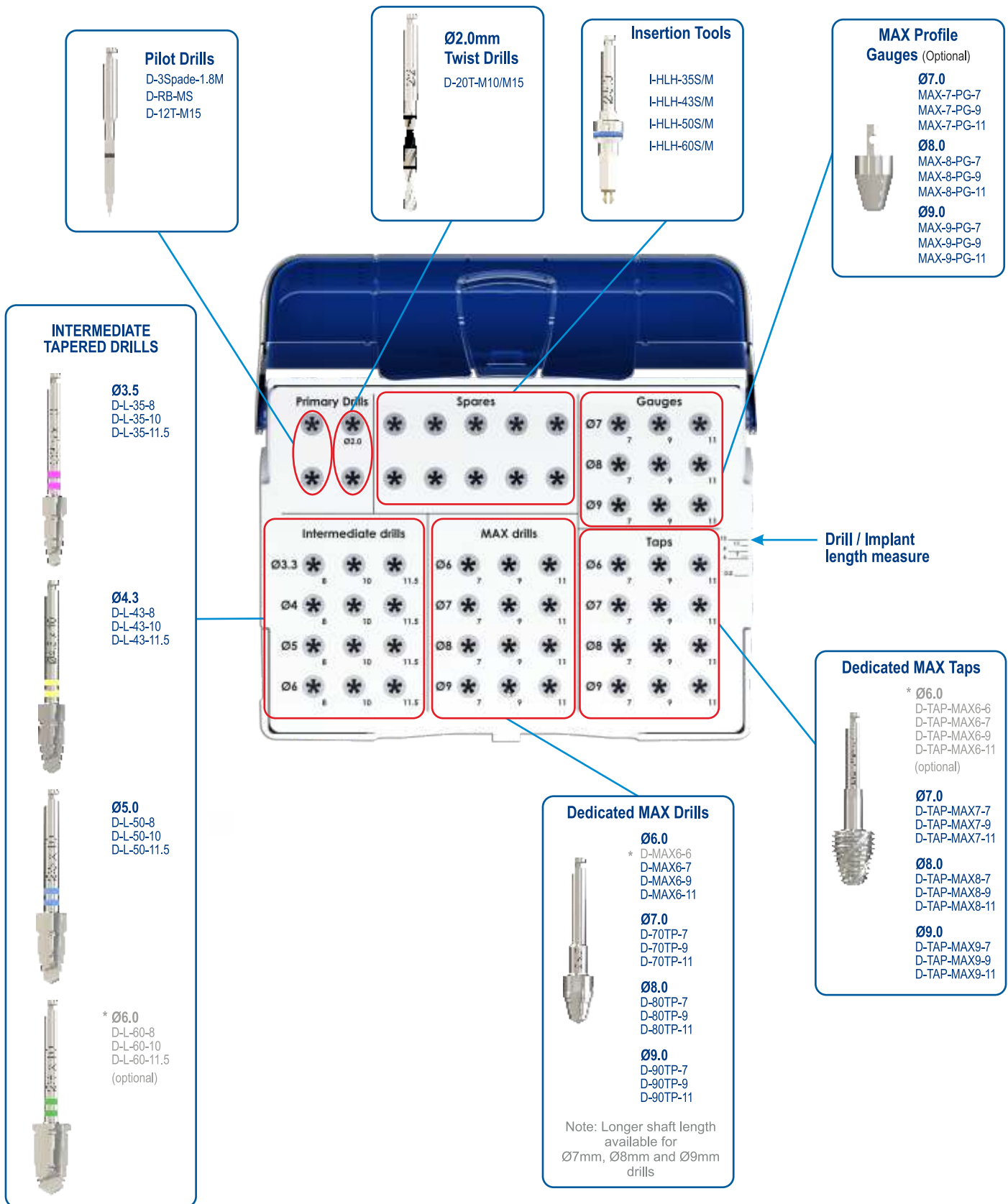


NOTE:

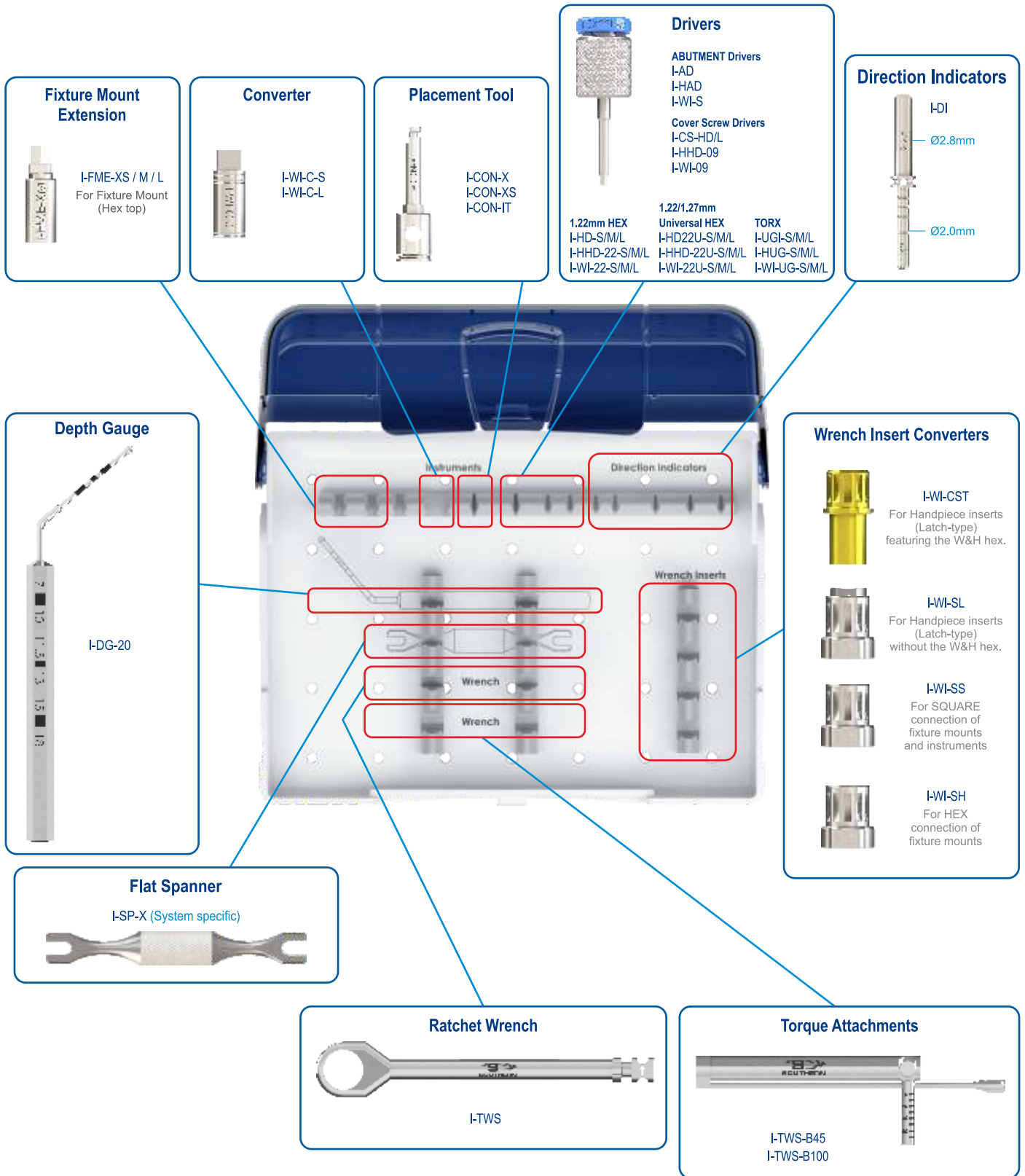
- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most Instruments available in various lengths.
- All instruments and tooling used during the procedure must be maintained in good condition, and cleaned and sterilized prior to use. Please consult the Southern Implants Cleaning and Sterilization Procedure Guidelines (CAT-1039) for guidance concerning the maintenance of drills, instruments, and surgical trays.

I-MAX-EG for surgical placement of TRI-MAX Implants

Upper Tray



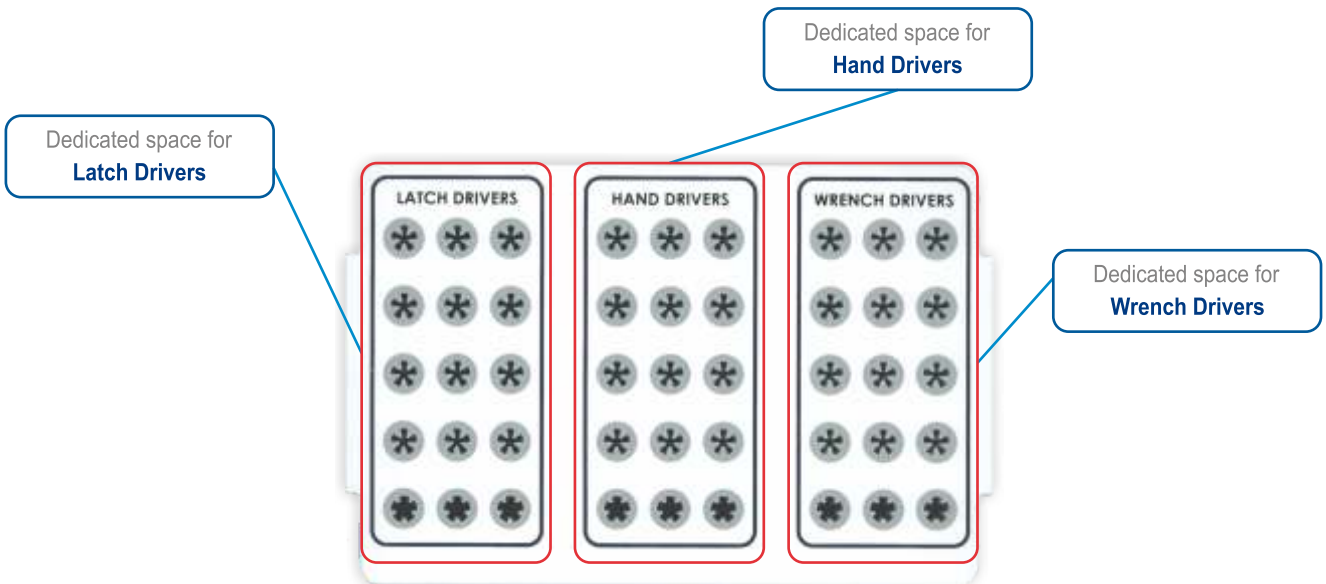
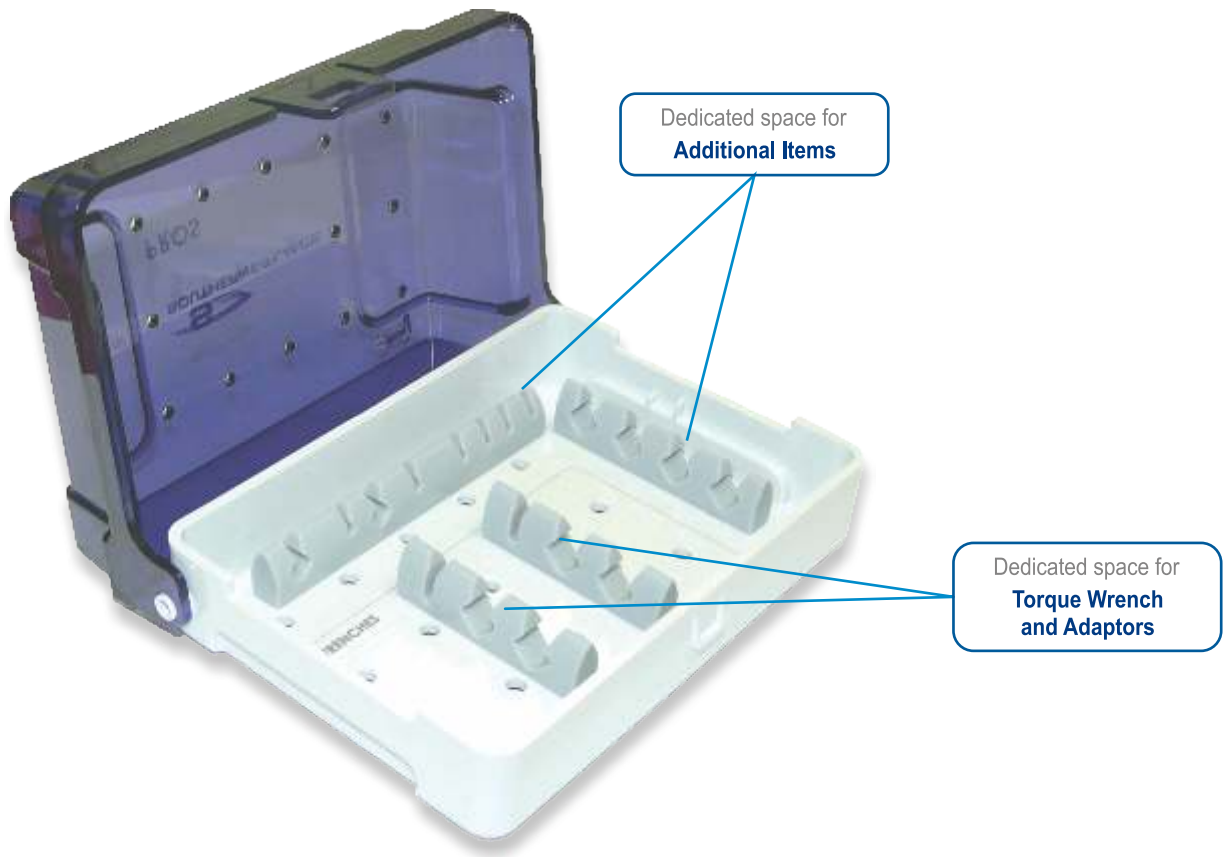
Lower Tray



NOTE:

- The surgical kit has an intuitive layout to guide the surgeon through the drill sequence.
- Most Instruments available in various lengths.
- Profile Gauges available for Ø7.0mm, Ø8.0mm & Ø9.0mm implants only.
- 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.

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.

The **horizontal offset** or **platform shifting** concept implies that the prosthetic components emerge from the implant at a diameter smaller than the diameter of the implant neck. In this way, the prosthetic connection is displaced horizontally inwards from the perimeter of the implant, creating space for a collar of soft tissue at the abutment/implant interface. This concept has been widely published with reports of improved bone response.

In fig.1 a TRI-NEX implant is shown with a 12° angled Cosmetic Abutment attached. Please note the horizontal offsets as indicated.



Coated Titanium Retaining Screws



TS-L-18C
(M1.8)



TS-L-20C
(M2.0)

Southern Implants introduces a new retaining screw with a low friction coating, that is suitable for use with the TRI-NEX range of implants and prosthetic components.

Advantages of a Coated Screw:

The screws with low friction coating provides the user with a similar pre-load to that of a gold screw but with the added advantage of having the tensile strength of a titanium alloy screw.

Specifications of the low friction coating:

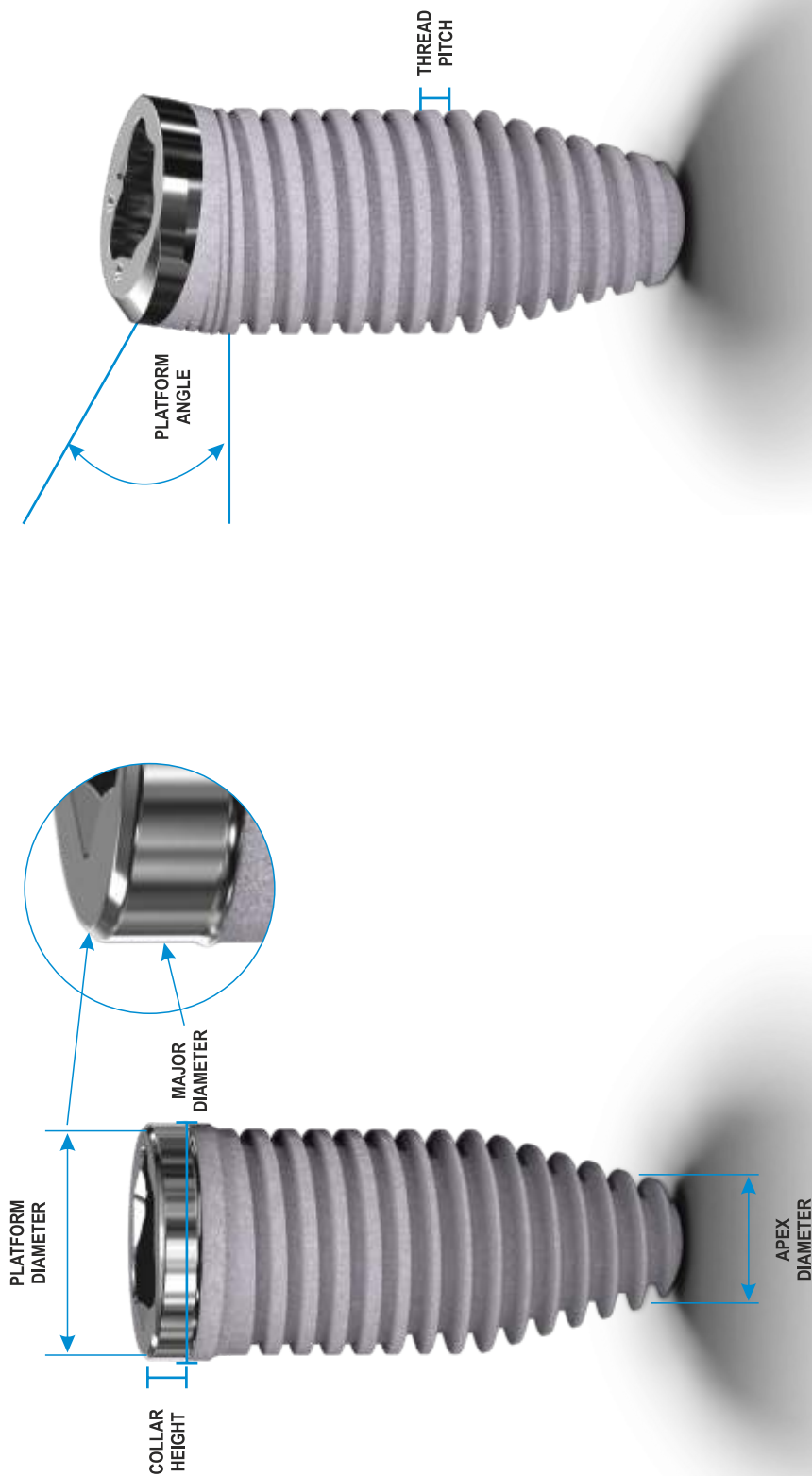
- Biocompatible
- Very low friction (both under ambient and wet conditions)
- Proven performance

Extensive testing has verified the unique performance of the coating, showing that the friction properties become even better upon re-tightening.

Please note that improperly tightened screws are more likely to experience fatigue fracture, hence the necessity for controlled tightening and re-tightening, to maintain optimal pre-load.

IMPLANT DIMENSIONS AND INFORMATION















RANGE		IMPLANT LENGTH CODES																
		MAJOR DIAMETER	PLATFORM DIAMETER	Prosthetics	COLLAR HEIGHT	THREAD PITCH	APEX DIAMETER	Cylindrical or Tapered	PLATFORM ANGLE	7	9	11	8	10	11.5	13	15	16
IA-LH-35	Ø3.5mm	3.8	3.5	●	0.8	0.6	2.0	T				✓	✓	✓	✓			✓
IA-LHS-35	Ø3.5mm	3.8	3.5	●	0.8	0.6	2.0	C				✓	✓	✓	✓			✓
IA-LH-43	Ø4.3mm	4.5	4.3	●	0.8	0.6	2.4	T				✓	✓	✓	✓			✓
IA-LHS-43	Ø4.3mm	4.5	4.3	●	0.8	0.6	2.4	C				✓	✓	✓	✓			✓
IA-LH-50	Ø5.0mm	5.2	5.0	●	0.8	0.6	3.0	T				✓	✓	✓	✓			✓
IA-LHS-50	Ø5.0mm	5.2	5.0	●	0.8	0.6	3.0	C				✓	✓	✓	✓			✓
IA-LH-60	Ø6.0mm	6.2	6.0	●	0.8	0.6	3.9	T				✓	✓	✓	✓			✓
IA43-12d	Ø4.3mm	4.4	3.7	●	0.8	0.6	2.4	T			12°	✓	✓	✓	✓			✓
IA50-12d	Ø5.0mm	5.0	4.5	●	0.8	0.6	3.0	T			12°	✓	✓	✓	✓			✓
TRI-MAX7	Ø7.0mm	7.0	5.5	●	see page 30	0.8	4.4	T				✓	✓	✓	✓			
TRI-MAX8	Ø8.0mm	8.0	6.5	●	see page 34	0.8	3.9	T				✓	✓	✓	✓			
TRI-MAX9	Ø9.0mm	9.0	7.5	●	see page 38	0.8	4.9	T				✓	✓	✓	✓			

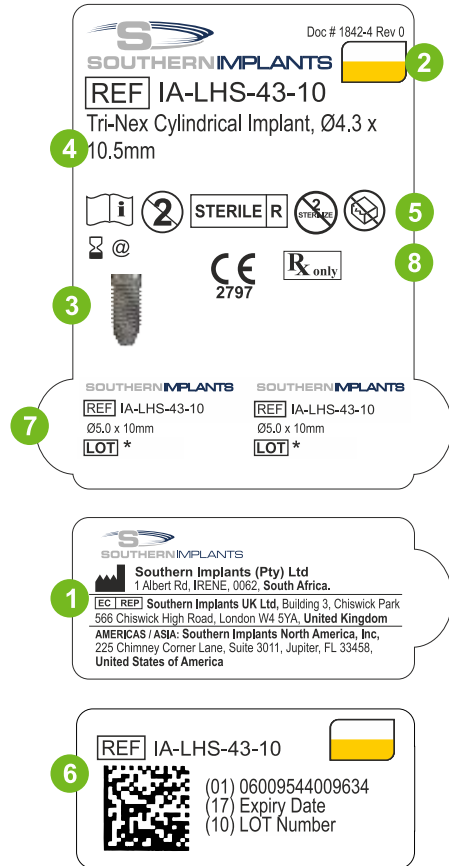


NOTE: • All dimensions in this catalogue are in mm, unless otherwise specified
 • Not all products are cleared for sale in all countries.

EXPLANATION OF SYMBOLS

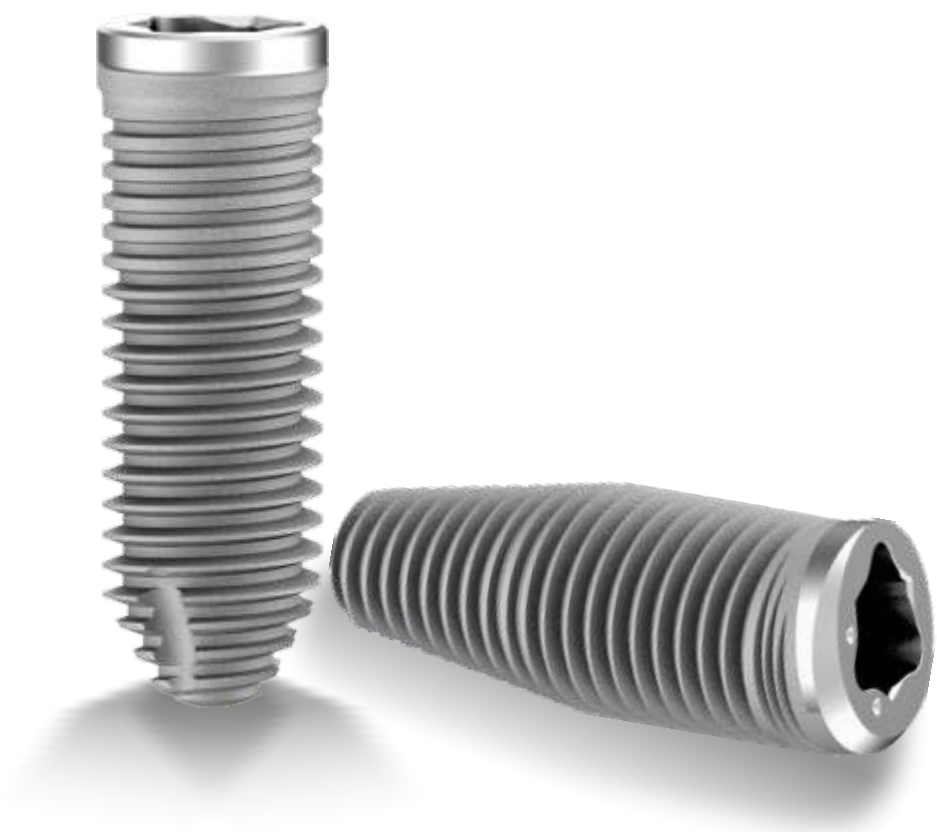
The following symbols are used on packaging labels and they indicate the following:

- 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**
 -  **CE mark and notified body number**
 -  **Use by mm-yy**
 -  **Sterile unless package is opened or damaged**
- 6  **2D Bar code**
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.



Platform Interface

-  Ø3.5
-  Ø4.3
-  Ø5.0
-  Ø6.0



For more information, please contact your Southern Implants Representative or visit southernimplants.com



South Africa - Headquarters 1 Albert Road, Irene, RSA
T: +27-12-667-1046 | **E:** info@southernimplants.com

Subsidiaries

Australia
Southern Implants Australia
T: +61-2-8076-9337
E: info@southernimplants.com.au

United Kingdom
Southern Implants UK
T: +44-20-8899-6845 / 6 / 7
E: info@southernimplants.co.uk

USA and Canada
Southern Implants North America Inc.
T: +1-561-472-0990
E: customercare@southernimplants.com

Southern Implants Products are distributed world-wide, please visit southernimplants.com for a list of Distributors.

©2019 Southern Implants (Pty) Ltd. All rights reserved. Co-Axis, Southern Implants, and Subcrestal Angle Correction are registered trademarks and Body-Shift, INVERTA and PROVATA are trademarks of Southern Implants (Pty) Ltd. Not all implants are available in all markets.