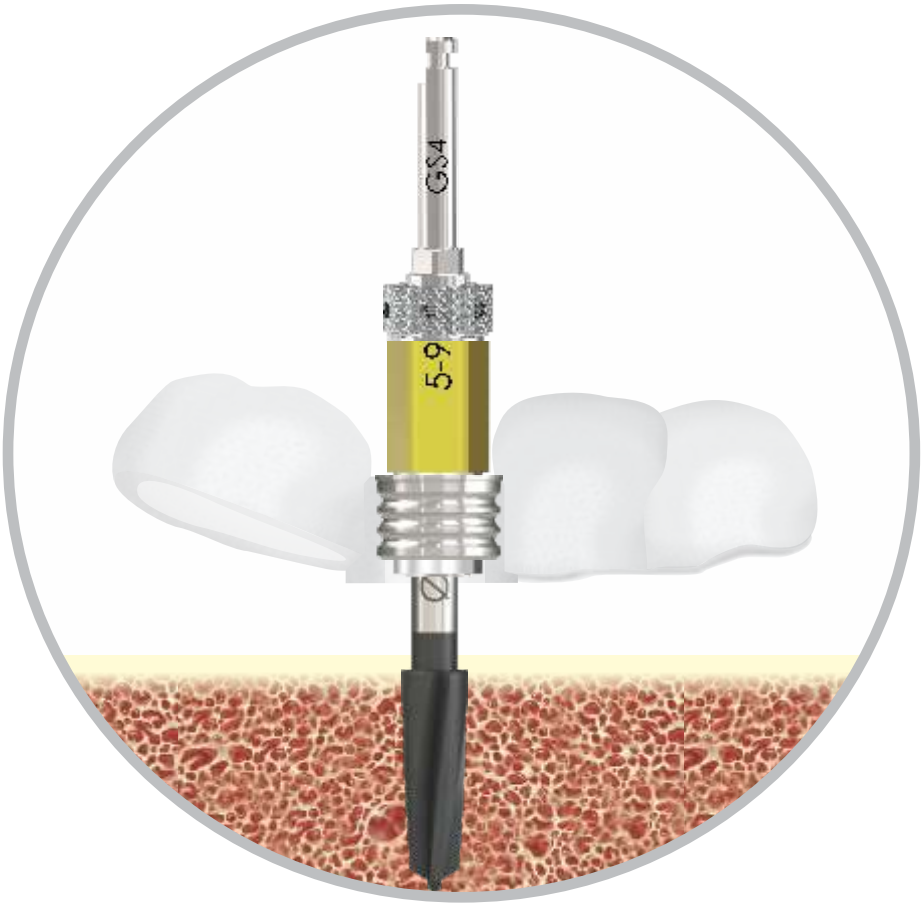
SOUTHERNIMPLANTS®

Innovative Treatment Solutions

SIREAL

Guided Surgery System

Product Catalogue



Southern Implants® is a leading provider of unique and innovative dental implant products with a focus on top-end professional users who want more choices. Southern's expertise in research, development and manufacturing of dental implants allows us to provide Innovative Treatment Solutions that will reduce treatment times and improve patient outcomes.

Striving for excellence and meeting customer needs, has led to our wide product range characterised by Unique and Innovative products which include:

- Multiple interfaces, to suit customer preference.
- INVERTA® implant, featuring a Body-Shift™ design, engineered for primary stability and suitable for immediate loading.
- Co-Axis®, Subcrestal Angle Correction® implants, available in angulations of 12°, 24° and 36° and various internal and external connections.
- MAX implant, specifically designed for immediate molar tooth replacement.
- The ZYGAN®, ZYGEX and ZYGIN implants for severely resorbed maxilla and craniofacial reconstruction.
- The Machined Surface Coronally (MSC) dental implant surface treatment offers practitioners an innovative way to take advantage of the best characteristics of both smooth and moderately rough implant surfaces.

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

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

Graham Blackbeard
Managing Director, Southern Implants

CONTENTS

For more information scan the below

or visit

SOUTHERNIMPLANTS.COM

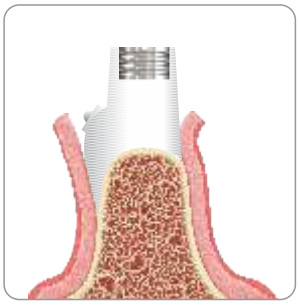
INTRODUCTION

The **Southern Implants** guided surgery solution, **SIREAL** guide, provides a complete computer-assisted dental implant planning and placement solution for Southern Implants' tapered implants. This is achieved by virtual prosthesis and on-screen design of a surgical guide, enabling prosthetically driven implant placement.

Surgical guide types
The surgical guide type selection depends on the dental professional's preference, patient anatomy and the available planning software.

There are three types of surgical guides:

Bone supported guide



Mucosa/tissue supported guided

Tooth supported guide

NOTE: all surgical guides are patient specific and consists of a 3D printed or milled acrylic guide and metal guide sleeves.

Treatment planning
Diagnostic and patient specific conditions influence the guided treatment plan. The type of restoration, provisionals, number of implants and imaging procedures must be taken into consideration during planning.

The following considerations should be reviewed during pre-planning:
- quantity, quality and health of both soft and hard tissues.
- occlusal analysis.
- oral hygiene assessment.
- the patient's vertical opening of the mouth needs to be sufficient to accommodate the instruments used during guided surgery.

CT scanning
Several imaging technologies are available to accurately scan data. The dental professional and/or radiologist, needs to follow the instructions of the imaging system used.

Warning: there may be distortion in the CT image data. These distortions could lead to fit and trajectory problems. It is recommended to validate the guide fit and trajectory by taking a CT scan of the patient wearing the guide before surgery. Open the CT scan image to review both the position and orientation of the guide sleeve. Measure guide sleeve distance and orientation in the CT scan and compare it to the offset/prolongation selected during the planning phase.

The dental professional must follow Southern Implants sleeve offsets and prolongations, failing to do so will result in patient injury. The guide manufacturer ensures compatibility with Southern Implants guided instruments by using SIREAL Guide sleeves, and instruments positioned according to offsets and prolongations described in this manual.

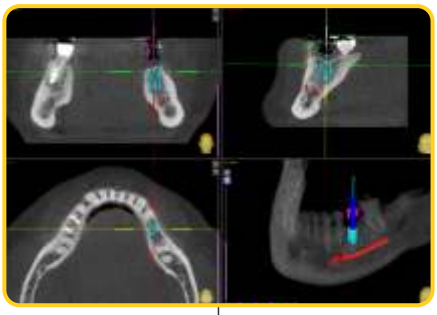
Verify the fit of the guide by seating it on the patient's jaw. It is recommended to validate the fit and sleeve position with a CT scan of the patient with the guide in-situ. If the guide was manufactured on a stone model, the inaccuracy of the model or poor image quality from the scan data may result in the guide not fitting. Should there be a variance, do not proceed, remake the guide.

After fixing the guide into place, proceed using SIREAL drills and instrumentation to prepare the osteotomy. The surgical protocol together with the surgical guide will govern which instruments are required to prepare each implant site.

Please 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.

SIREAL STANDARD

Implant planning

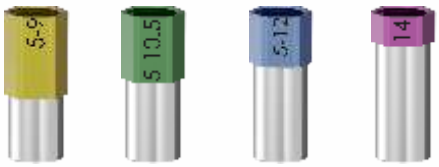


Sleeves

Ø6.2 (outer) / Ø5.2 (inner)

Ø5.1 offset sleeve

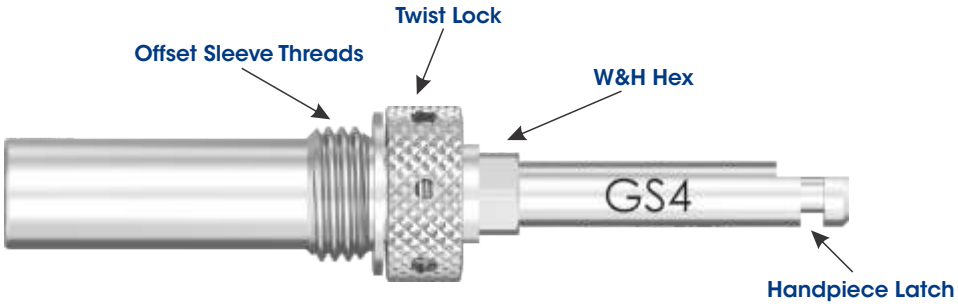
9 mm; 10.5 mm; 12 mm; 14 mm



Commission Guide

UNIVERSAL GUIDED SURGERY TOOL

The universal guided surgery tool, I-DE-GS4, from Southern Implants is the solution to the SIREAL guided surgery system. This tool allows clinicians to utilise their standard Southern Implants drill kit, and convert the drills into guided surgery drills.



The universal guided surgery tool features a "twist lock" mechanism which locks the latch grip of the drills and placement tools into the I-DE-GS4 tool.

The W&H hex allows for handpieces with the W&H connection to engage the tool, allowing torque to be applied through the instrument.

Note: High torque can only be applied to instruments with a W&H hex to a maximum of their specific torque rating, and no higher than 70 Ncm. Instruments and drills without the W&H hex (universal tools) do not exceed 40 Ncm.

OFFSET SLEEVES

I-GSS05-9 **I-GSS05-10.5** **I-GSS05-12** **I-GSS05-14**

Four offset sleeves are available: **9 mm, 10.5 mm, 12 mm** and **14 mm**. This is to accommodate the patient's vertical opening or adjacent teeth height that could interfere with the guide sleeve.

Offset is measured from the implant platform to the top of the guide sleeve.

Assembly and use of the universal guided surgery tool:

Follow instructions illustrated below, with the handpiece latch pointing to the right.

Step 1: Setting the offset sleeve

The offset is the distance between the implant platform to the top of the surgical guide sleeve.
Select the offset sleeve that corresponds to one of the offset lengths (9 mm, 10.5 mm, 12 mm and 14 mm) during the implant planning and guide design phase.

Screw the offset sleeve in a **clockwise** direction onto the universal guided surgery tool, with the latch facing to the right as illustrated below.

Step 2: Inserting a drill or placement tool

The universal guided surgery tool is designed primarily for use with drills and placement tools, to allow for partially or fully guided surgeries.

Ensure that the twist lock on the I-DE-GS4 is rotated fully in the **clockwise** direction before inserting the drill or placement tool. Insert the drill/placement tool until it seats inside the tool (this might require rotation until the seat lines up with the latch).

Once the latch is seated, rotate the twist lock in an **anti-clockwise** direction until locked into position.

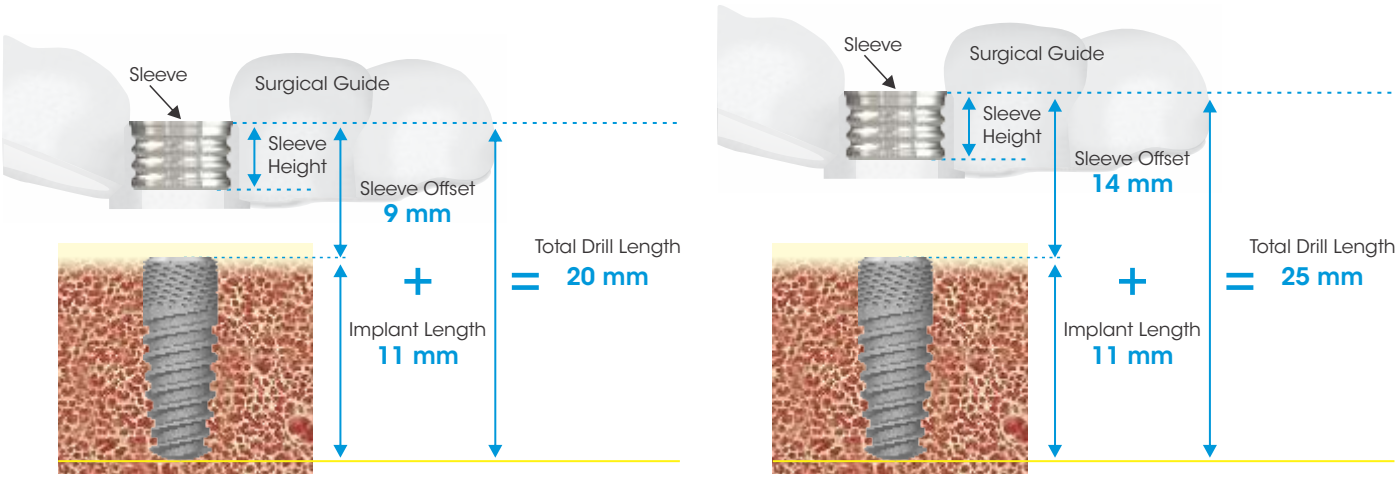
To release the drill or placement tool, rotate the twist lock 45° in a **clockwise** direction and separate the drill/placement tool from the I-DE-GS4.

Choosing the correct offset and offset sleeve

The example cases below utilises an 11 mm length implant.

In a molar site, the vertical opening of the patient will be limited. When placing the implant in a posterior site, it's best to go for a shorter total drill length. Select the 9 mm offset sleeve (the top of the guide sleeve is 9 mm from the implant platform), and that is where the drill will stop.
An 11 mm implant +9 mm offset = 20 mm total drill length (which is the total length from the top of the guide sleeve to the apex of the osteotomy.

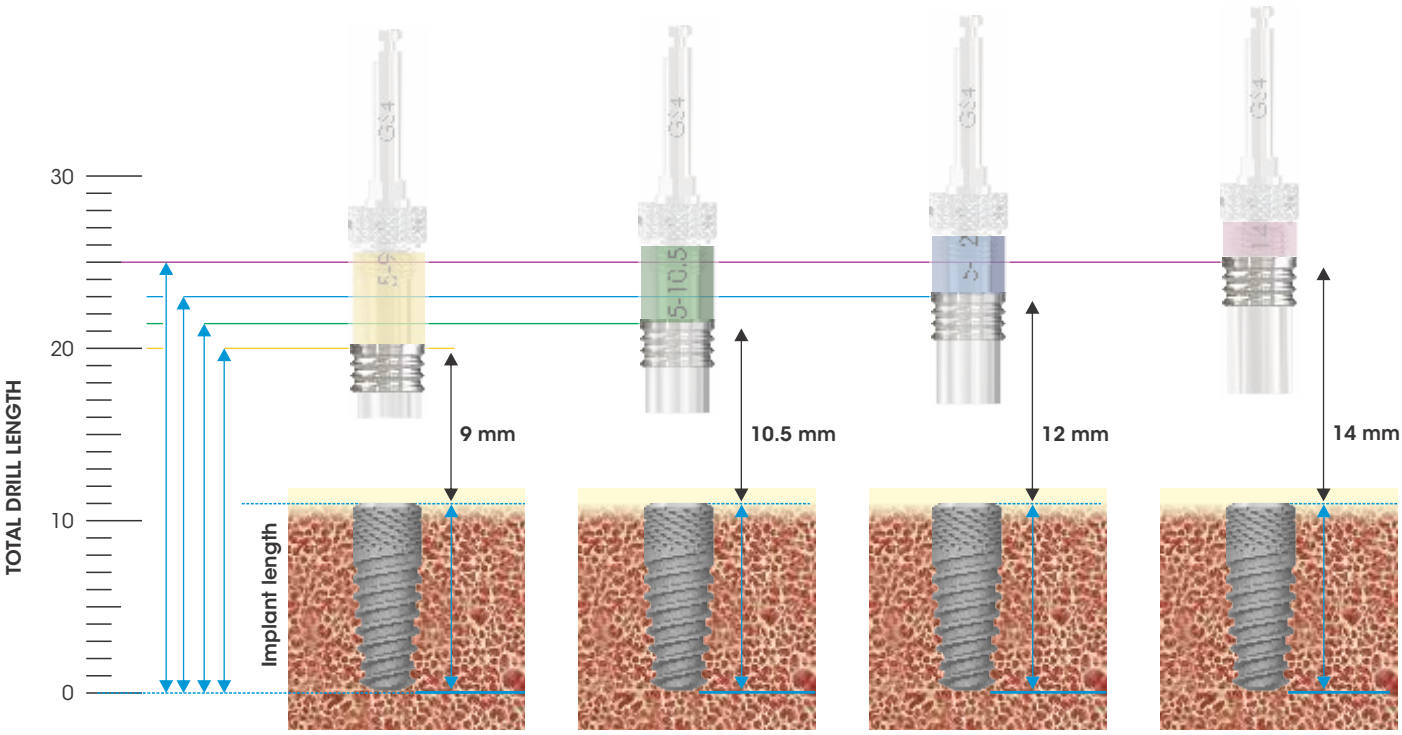
In an anterior case where the patient has long dentition and you can't fit the sleeve in between the adjacent teeth, lift the sleeve offset to 14 mm above the planned implant platform.
The 11 mm implant +14 mm offset = 25 mm total drill length.



Illustrating how to determine the correct offset sleeve to determine the maximum drill length

This planning and sleeve selection can be utilized for both the 10.5 mm and 12 mm.

SIREAL Offset is measured from implant platform to top of the sleeve.

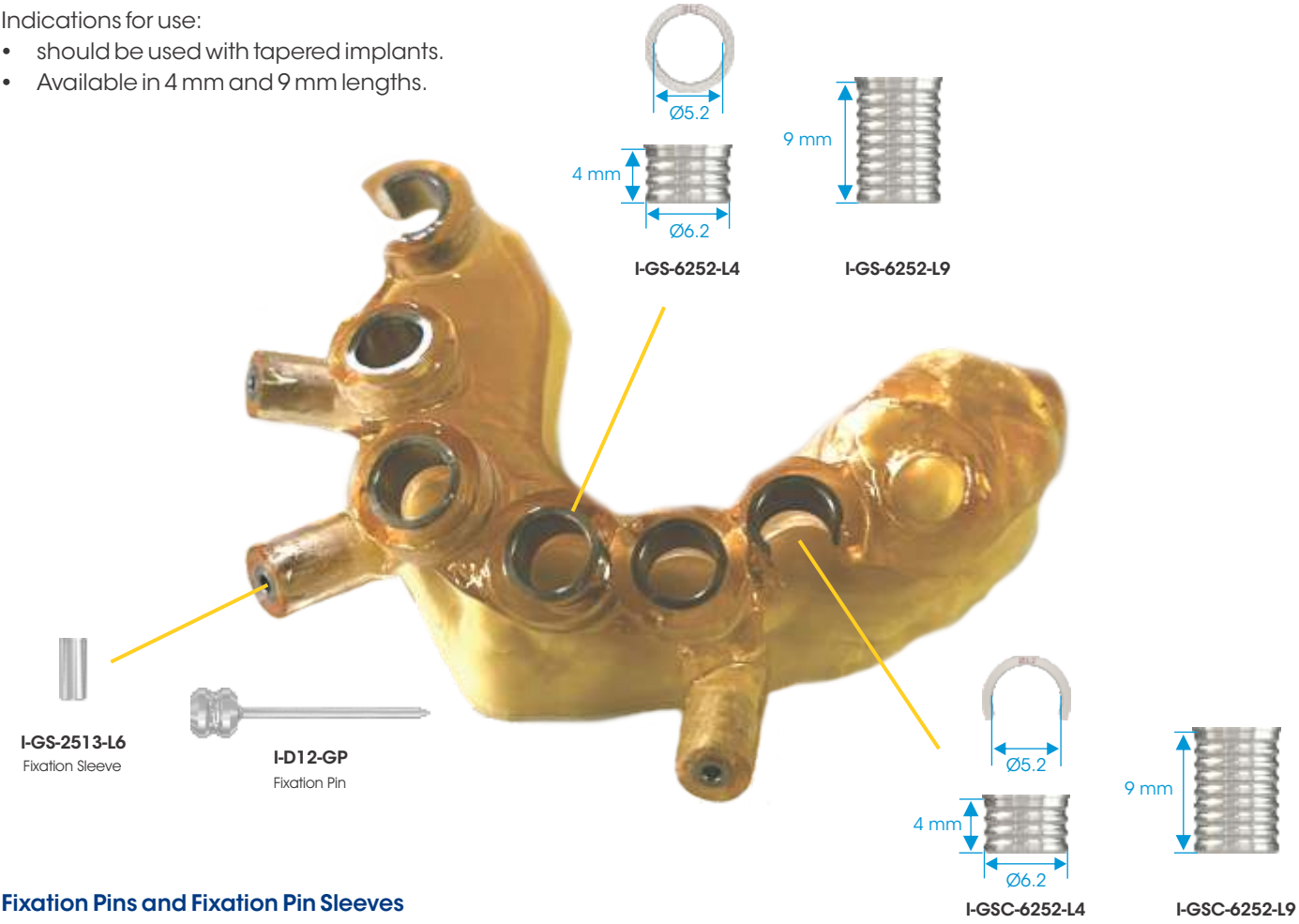


Scan or visit southernimplants.com for online calculator.

SIREAL STANDARD GUIDE SLEEVES

Closed sleeves

Indications for use:
- should be used with tapered implants.
- Available in 4 mm and 9 mm lengths.



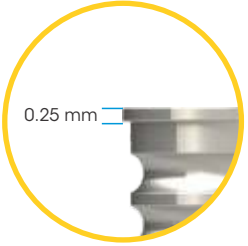
Fixation Pins and Fixation Pin Sleeves

Indications for use:
- the Southern Implants® fixation pins are used to stabilise the surgical guide.
- a D-12T-M15 drill is used to drill through the fixation pin sleeve while guide is in situ. After drilling, insert the pin.
- it is recommended to use 3 pins for full arch guide. If a tooth supported guide requires additional stability, a minimum of 2 pins should be used.
- pin(s) (I-D12-GP) must not interfere with placement tool (I-DE-GS4) or drill trajectory.
- vertical opening and anatomical constraints of the patient must be considered when designing the guide with fixation pins.

C-Sleeves (open sleeves)

Indications for use:
- should be used with Co-Axis® tapered implants.
- should be positioned to allow access to the fixture mount screw. This will assist the user to remove the fixture mount when placing the implant fully guided.
- used in the posterior region where vertical opening is a challenge. The universal guided surgery tool and drill can be implemented from the side which allows additional space saving of the offset distance.
- allows irrigation at the osteotomy site while drilling.

NOTE:
- the lip on the guide sleeve, adds 0.25 mm, this does not need to be taken into consideration as most Southern Implants drills extend 1 mm longer.
- **always plan for at least 2 mm from nerves / anatomical structures.**



CLINICAL PROCEDURE

Step 1: insert the cortical perforator (D-GS-CP) through the guide sleeve to perforate the cortical bone.

WARNING: this tool fits directly into the handpiece and **should not** be used with the I-DE-GS4 tool.

Step 2: insert the D-3SPADE-1.8M into the I-DE-GS4 and proceed with pilot drilling.

Step 3 (optional): place the D-20T-M10 into the I-DE-GS4.

Step 4: place the D-DCT3011 into the I-DE-GS4.

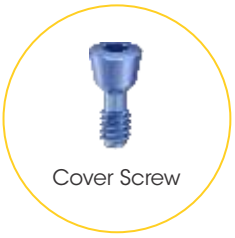
CLINICAL PROCEDURE

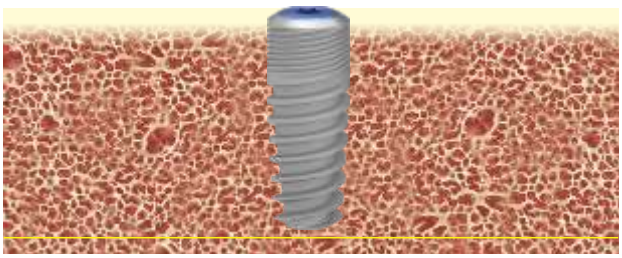
Step 5: place the D-DCT3511 into the I-DE-GS4.

Step 6: place the D-DCT4011 into the I-DE-GS4.

Step 7: place the placement tool I-HDC4-GS into the I-DE-GS4.

Step 8: good primary stability will govern if immediate loading can be done or not.





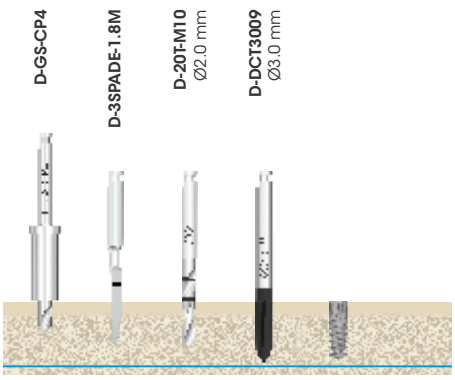
NOTE: for implant torque, refer to surgical manual.

DEEP CONICAL SITE PREPARATION PROTOCOLS

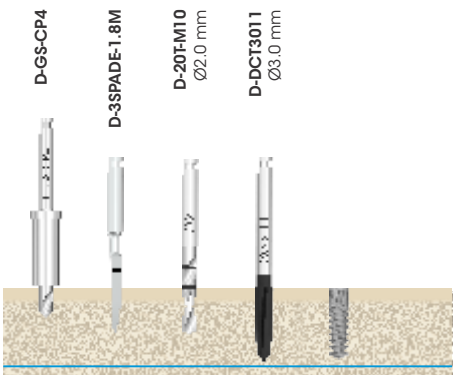
(for demonstration purposes only)

Ø3.0 mm Tapered (DCT30)

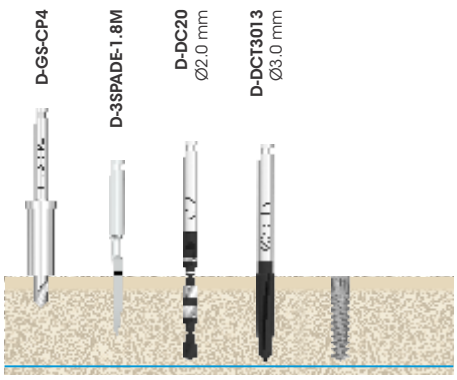
DCT3009



DCT3011

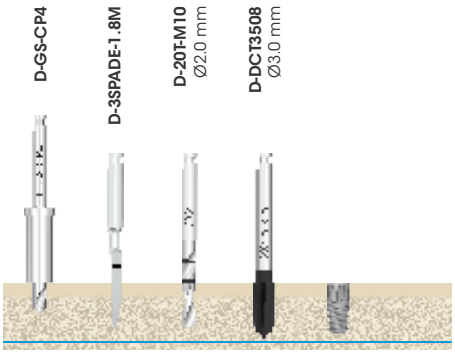


DCT3013

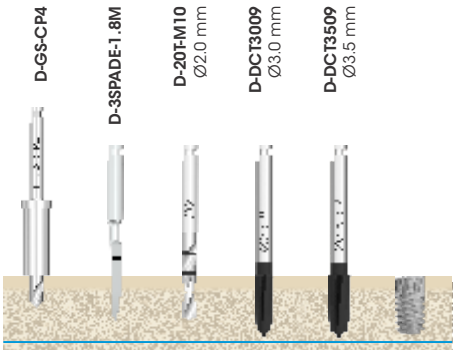


Ø3.5 mm Tapered (DCT35)

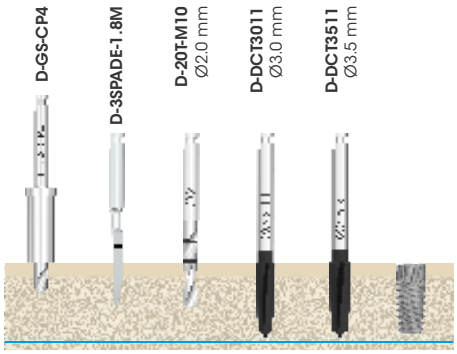
DCT3508



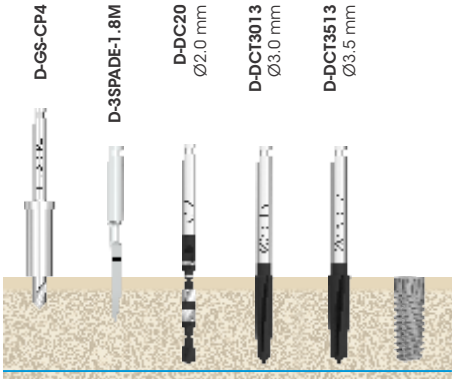
DCT3509



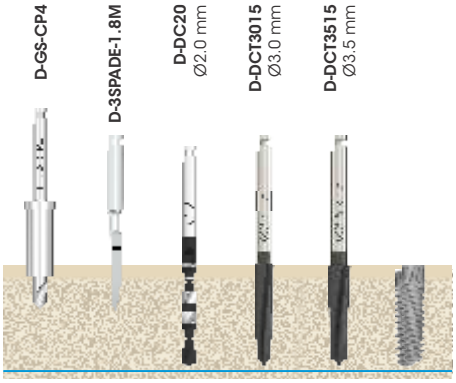
DCT3511



DCT3513



DCT3515

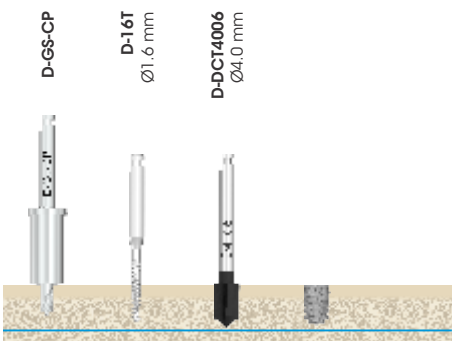


DEEP CONICAL SITE PREPARATION PROTOCOLS

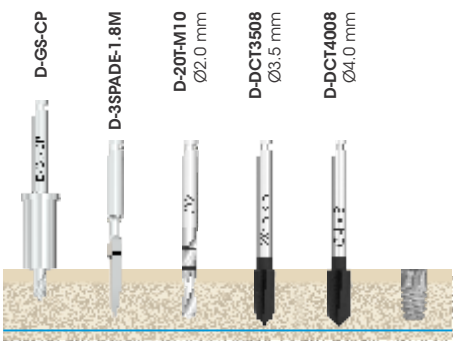
(for demonstration purposes only)

Ø4.0 mm Tapered (DCT40)

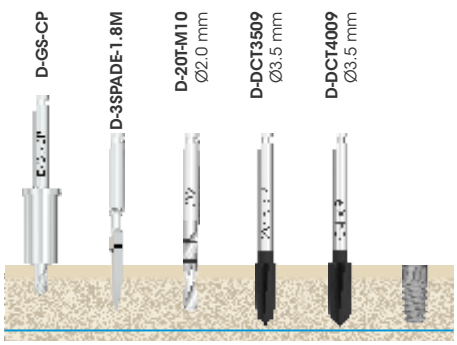
DCT4006



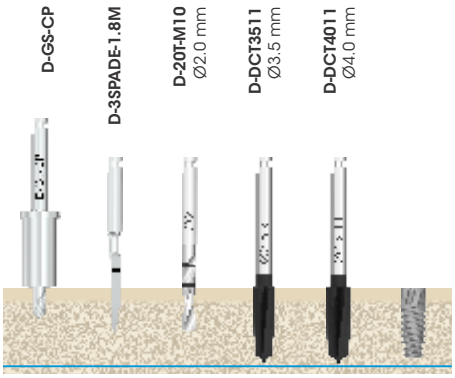
DCT4008



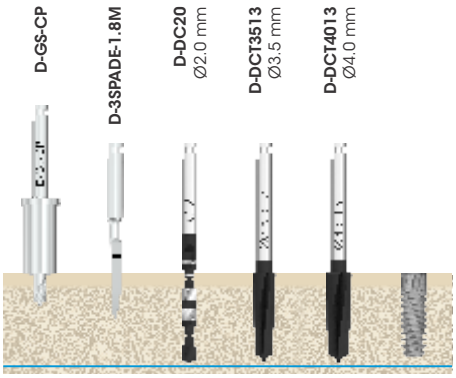
DCT4009



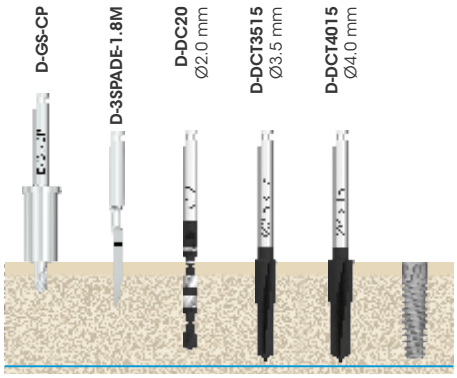
DCT4011



DCT4013

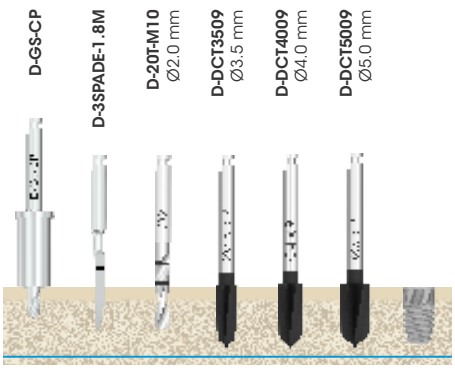


DCT4015

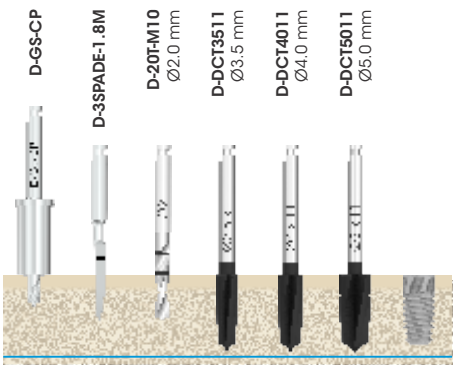


Ø5.0 mm Tapered (DCT50)

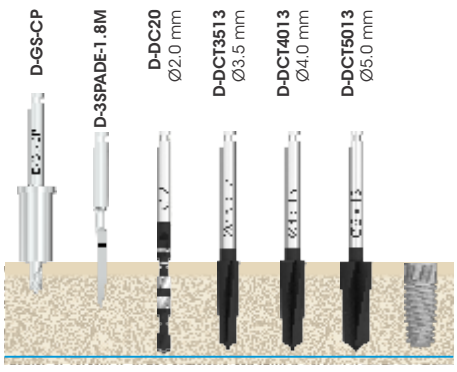
DCT5009



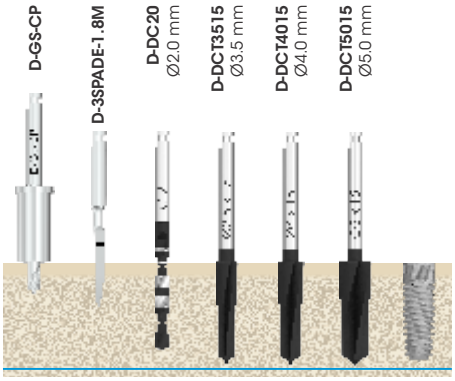
DCT5011



DCT5013



DCT5015



INSTRUMENTATION

PLACEMENT TOOLS

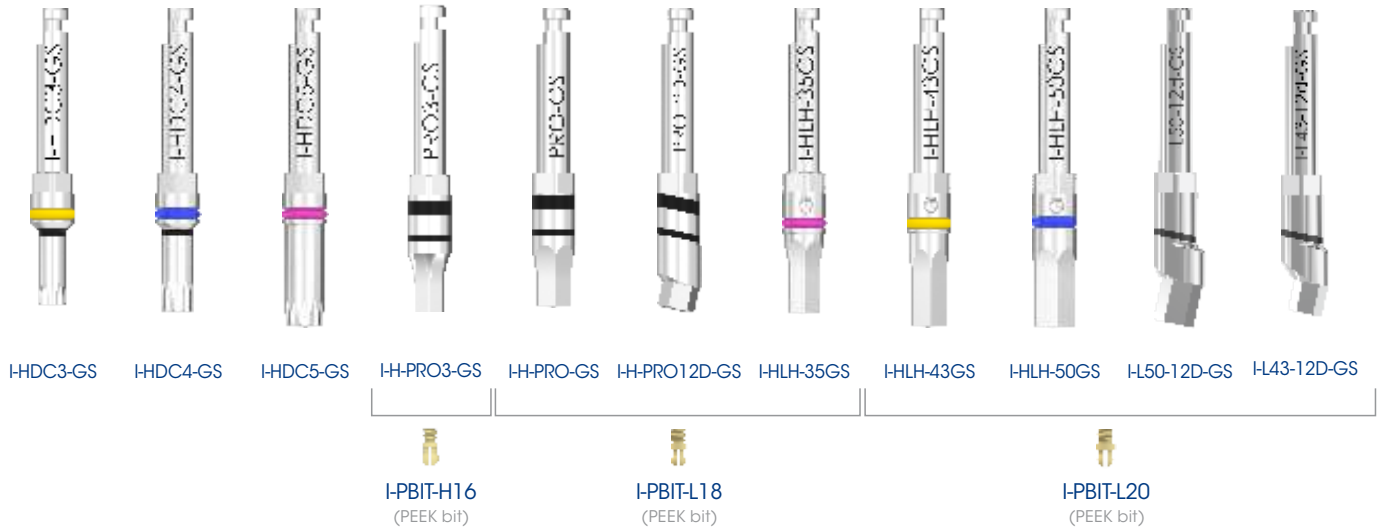
This is for placement of Southern Implants tapered implants, partially and fully guided.

Partially guided
The surgical guide is designed to prepare the osteotomy from pilot to final drill. Implant placement is not done through the surgical guided.

Fully guided
The surgical guide is designed to prepare the osteotomy from pilot to final drill, as well as placing the implant through the surgical guide.

TAPERED IMPLANTS SUPPORTED FOR FULLY GUIDED SURGERY

DC (Deep Conical)	Internal Hex and PROVATA®	TRI-NEX®



Insertion tools supplied with PEEK bit.
Important: the PEEK bits (I-PBIT-H16/ L18 /L20) should be replaced on a regular basis. Items sold separately. General wear and tear are to be expected with regular use.

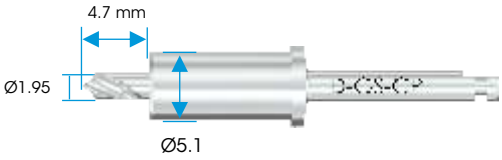
TAPERED IMPLANTS SUPPORTED FOR PARTIAL GUIDED SURGERY

External Hex	IT (Internal Octagon)

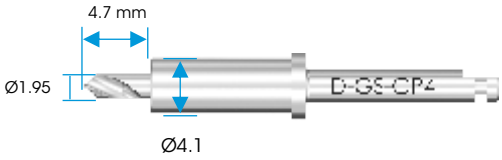
NOTE: there placement tools are specifically developed for the SIREAL Guided System. The standard tools should NOT be used for fully guided surgery.

Cortical Perforator

The cortical perforator, D-GS-CP or D-GS-CP4, is used to initiate the osteotomy by perforating the cortical plate at the planned implant position.



(for use with the standard **Ø5.1** guide sleeves)

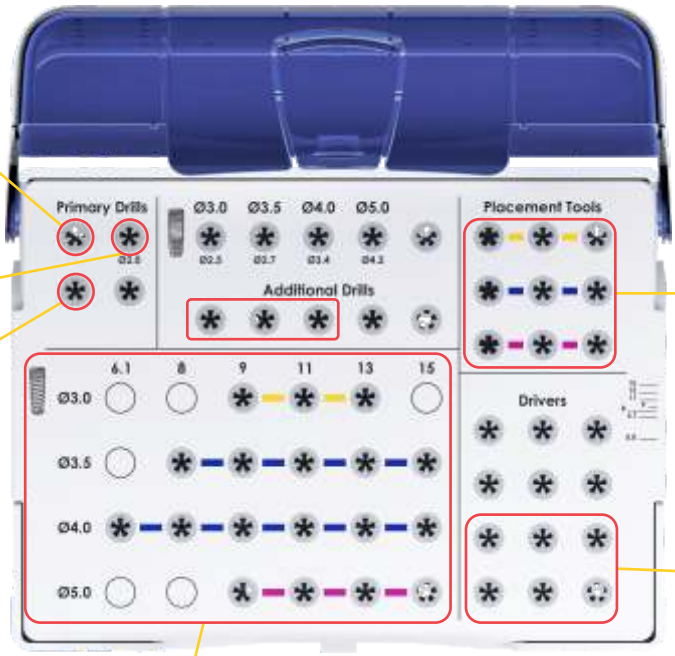


(for use with the narrow **Ø4.1** guide sleeves)

NOTE: this tool fits directly into the handpiece and **should not** be used with the I-DE-GS4 tool.

I-DC-EG Deep Conical Instrument Tray

(for demonstration purposes only)



Pilot Drills

D-3Spade-1.8M
D-3SPADE-CP
D-16T

Ø2.0 mm Twist Drill

D-20T-M10
D-20T-M15
D-DC20
D-220C

Important:

- **D-20TM10:** 10 mm twist drills are indicated for implant lengths of 11.5 mm and shorter.
- **D-20TM15 or D-DC20:** 15 mm twist drills are indicated for 12 mm implants and longer.

Fixation Pin Drill

D-12T-M15

Minimum of 2 required per surgery

Cortical Perforators

D-GS-CP
D-GS-CP4

Placement Tools

I-HDC3-GS
I-HDC4-GS
I-HDC5-GS
Handpiece Insert

Tray Pins

I-GS-TP
I-GS-TPG

Pins to insert into surgical trays to hold offset sleeves in place (I-GSS04/05-set).

Dedicated Tapered Drills

Ø3.0
D-DCT3009
D-DCT3011
D-DCT3013

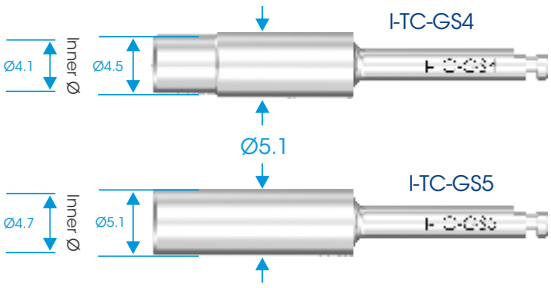
Ø3.5
D-DCT3508
D-DCT3509
D-DCT3511
D-DCT3513
D-DCT3515

Ø4.0
D-DCT4006
D-DCT4008
D-DCT4009
D-DCT4011
D-DCT4013
D-DCT4015

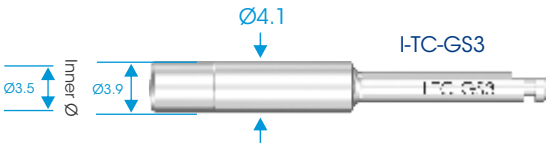
Ø5.0
D-DCT5009
D-DCT5011
D-DCT5013
D-DCT5015

TISSUE CUTTERS *(Optional)*

SIREAL standard



Narrow



CAUTION: when drilling close to crucial anatomical landmarks, consider that the drill preparation site may be up to 1 mm deeper than the corresponding implant length.

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities	
		Initial Drill	Optional Drill for medium and dense cortical bone	Final Drill
IP8.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-8.5
IP10	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-10
IP11.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-11.5
IP13	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-13
IP15	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-15

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IBNT8.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-8.5	D-33TP-8.5
IBNT10	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-10	D-33TP-10
IBNT11.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-11.5	D-33TP-11.5
IBNT13	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-13	D-33TP-13
IBNT15	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-15	D-33TP-15
IBNT18	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-18	D-33TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IBT6	D-GS-CP4	D-3SPADE-GS	D-20T-M10		D-40TP-6
IBT8,5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5
IBT10	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10
IBT11,5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5
IBT13	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13
IBT15	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15
IBT18	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone
BAT6	D-GS-CP	D-3SPADE-GS	D-20T-M10		D-40TP-6	D-50TP-6
BAT8.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	D-50TP-8.5
BAT10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10
BAT11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5
BAT13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13
BAT15	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15
BAT18	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18

TAPERED DRILLS:

- SIREAL universal guided surgery tool is only to be used with Southern Implants standard length tapered drills.
- do not use long shaft drills. It will drill deeper that the planned depth.
- long drills can be identified by an "L" in the product code. For example: D-40TP-11.5-**L**

D-40TP-11.5-**L**

D-40TP-11.5

INVERTA® DRILLS:
When placing INVERTA® implants with SIREAL, the guided INVERTA drills laser marked with "GS" must be utilised.

D-IV4511

D-IV4511-**GS**

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Final Drill NOT through the guide
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill	4th Drill	Final Drill for medium and dense bone
BBBT6	D-GS-CP	D-3SPADE-GS	D-20T-M10		D-40TP-6	D-50TP-6	D-60TP-6
BBBT8,5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	D-50TP-8.5	D-60TP-8.5
BBBT10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10	D-60TP-10
BBBT11,5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5	D-60TP-11.5
BBBT13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13	D-60TP-13
BBBT15	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15	D-60TP-15
BBBT18	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18	D-60TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IBNT12D-8.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-8.5	D-33TP-8.5
IBNT12D-10	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-10	D-33TP-10
IBNT12D-11.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-11.5	D-33TP-11.5
IBNT12D-13	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-13	D-33TP-13
IBNT12D-15	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-15	D-33TP-15
IBNT12D-18	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-18	D-33TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IBT12D-8.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5
IBT12D-10	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10
IBT12D-11.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5
IBT12D-13	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13
IBT12D-15	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15
IBT12D-18	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IBR12D-8.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5
IBR12D-10	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10
IBR12D-11.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5
IBR12D-13	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13
IBR12D-15	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15
IBR12D-18	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18

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Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IBR24D-8,5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5
IBR24D-10	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10
IBR24D-11,5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5
IBR24D-13	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13
IBR24D-15	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15
IBR24D-18	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone
BAT12D-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10
BAT12D-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5
BAT12D-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13
BAT12D-15	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15
BAT12D-18	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone
BAR12D-8.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	D-50TP-8.5
BAR12D-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10
BAR12D-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5
BAR12D-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13
BAR12D-15	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15
BAR12D-18	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone
BAR24D-8.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	D-50TP-8.5
BAR24D-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10
BAR24D-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5
BAR24D-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13
BAR24D-15	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15
BAR24D-18	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone
BAR36D-8.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	D-50TP-8.5
BAR36D-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10
BAR36D-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5
BAR36D-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13
BAR36D-15	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15
BAR36D-18	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Final Drill NOT through the guide
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill	4th Drill Final Drill for soft bone	Final Drill for medium and dense bone
BBBT12D-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10	D-60TP-10
BBBT12D-11,5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5	D-60TP-11.5
BBBT12D-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13	D-60TP-13
BBBT12D-15	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15	D-60TP-15
BBBT12D-18	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18	D-60TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Final Drill NOT through the guide
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill	4th Drill Final Drill for soft bone	Final Drill for medium and dense bone
BBBT24D-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10	D-60TP-10
BBBT24D-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5	D-60TP-11.5
BBBT24D-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13	D-60TP-13
BBBT24D-15	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15	D-60TP-15
BBBT24D-18	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18	D-60TP-18

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
PRO308	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-8.5	D-33TP-8.5	I-H-PRO3-GS
PRO310	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-10	D-33TP-10	I-H-PRO3-GS
PRO311	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30TP-11.5	D-33TP-11.5	I-H-PRO3-GS
PRO313	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-13	D-33TP-13	I-H-PRO3-GS
PRO315	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-15	D-33TP-15	I-H-PRO3-GS
PRO318	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30TP-18	D-33TP-18	I-H-PRO3-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
PRO408	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	I-H-PRO-GS
PRO410	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	I-H-PRO-GS
PRO411	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	I-H-PRO-GS
PRO413	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	I-H-PRO-GS
PRO415	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	I-H-PRO-GS
PRO418	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	I-H-PRO-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
PRO508	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	D-50TP-8.5	I-H-PRO-GS
PRO510	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10	I-H-PRO-GS
PRO511	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5	I-H-PRO-GS
PRO513	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13	I-H-PRO-GS
PRO515	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15	I-H-PRO-GS
PRO518	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18	I-H-PRO-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
PRO12D408	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	I-H-PRO12D-GS
PRO12D410	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	I-H-PRO12D-GS
PRO12D411	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	I-H-PRO12D-GS
PRO12D413	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	I-H-PRO12D-GS
PRO12D415	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	I-H-PRO12D-GS
PRO12D418	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	I-H-PRO12D-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
PRO12D508	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-8.5	D-40TP-8.5	D-50TP-8.5	I-H-PRO12D-GS
PRO12D510	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-10	D-40TP-10	D-50TP-10	I-H-PRO12D-GS
PRO12D511	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-33TP-11.5	D-40TP-11.5	D-50TP-11.5	I-H-PRO12D-GS
PRO12D513	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-13	D-40TP-13	D-50TP-13	I-H-PRO12D-GS
PRO12D515	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-15	D-40TP-15	D-50TP-15	I-H-PRO12D-GS
PRO12D518	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-33TP-18	D-40TP-18	D-50TP-18	I-H-PRO12D-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	Final Drill for medium and dense bone	Implant placement
IM-T3708	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-MT3708	I-H-PRO-GS
IM-T3710	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-MT3710	I-H-PRO-GS
IM-T3711	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-MT3711	I-H-PRO-GS
IM-T3713	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-MT3713	I-H-PRO-GS
IM-T3715	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-MT3715	I-H-PRO-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.		2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
IM-T4208	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3708	D-MT4208	I-H-PRO-GS
IM-T4210	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3710	D-MT4210	I-H-PRO-GS
IM-T4211	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3711	D-MT4211	I-H-PRO-GS
IM-T4213	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-30T-M15	D-MT3713	D-MT4213	I-H-PRO-GS
IM-T4215	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-30T-M15	D-MT3715	D-MT4215	I-H-PRO-GS
IM-T4218	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-30T-M15	D-MT3718	D-MT4218	I-H-PRO-GS

Implant Code	Cortical Perforator	Drill sequence per bone densities					Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.		2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
IM-T5008	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3708	D-MT4208	D-MT5008	I-H-PRO-GS
IM-T5010	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3710	D-MT4210	D-MT5010	I-H-PRO-GS
IM-T5011	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3711	D-MT4211	D-MT5011	I-H-PRO-GS
IM-T5013	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-30T-M15	D-MT3713	D-MT4213	D-MT5013	I-H-PRO-GS
IM-T5015	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-30T-M15	D-MT3715	D-MT4215	D-MT5015	I-H-PRO-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.		2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
IM-T4208-12d	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3708	D-MT4208	I-H-PRO12D-GS
IM-T4210-12d	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3710	D-MT4210	I-H-PRO12D-GS
IM-T4211-12d	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-30T-M10	D-MT3711	D-MT4211	I-H-PRO12D-GS
IM-T4213-12d	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30T-M15	D-MT3713	D-MT4213	I-H-PRO12D-GS
IM-T4215-12d	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30T-M15	D-MT3715	D-MT4215	I-H-PRO12D-GS
IM-T4218-12d	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-30T-M15	D-MT3718	D-MT4218	I-H-PRO12D-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	Final Drill for medium and dense bone	Implant placement
IA-LH-35-8	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-L-35-8	I-HLH-35GS
IA-LH-35-10	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-L-35-10	I-HLH-35GS
IA-LH-35-11.5	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-L-35-11.5	I-HLH-35GS
IA-LH-35-13	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-L-35-13	I-HLH-35GS
IA-LH-35-16	D-GS-CP4	D-3SPADE-1.8M	D-20T-M15	D-L-35-16	I-HLH-35GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
IA-LH-43-8	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-8	D-L-43-8	I-HLH-43GS
IA-LH-43-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-10	D-L-43-10	I-HLH-43GS
IA-LH-43-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-11.5	D-L-43-11.5	I-HLH-43GS
IA-LH-43-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-13	D-L-43-13	I-HLH-43GS
IA-LH-43-16	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-16	D-L-43-16	I-HLH-43GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
IA-LH-50-8	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-8	D-L-43-8	D-L-50-8	I-HLH-50GS
IA-LH-50-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-10	D-L-43-10	D-L-50-10	I-HLH-50GS
IA-LH-50-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-11.5	D-L-43-11.5	D-L-50-11.5	I-HLH-50GS
IA-LH-50-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-13	D-L-43-13	D-L-50-13	I-HLH-50GS
IA-LH-50-16	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-16	D-L-43-16	D-L-50-16	I-HLH-50GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Final Drill NOT through the guide
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill	4th Drill Final Drill for soft bone	Final Drill for medium and dense bone
IA-LH-60-8	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-8	D-L-43-8	D-L-50-8	D-L-60-8
IA-LH-60-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-10	D-L-43-10	D-L-50-10	D-L-60-10
IA-LH-60-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-11.5	D-L-43-11.5	D-L-50-11.5	D-L-60-11.5
IA-LH-60-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-13	D-L-43-13	D-L-50-13	D-L-60-13
IA-LH-60-16	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-16	D-L-43-16	D-L-50-16	D-L-60-16

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
IA43-12d-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-10	D-L-43-10	I-L43-12D-GS
IA43-12d-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-11.5	D-L-43-11.5	I-L43-12D-GS
IA43-12d-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-13	D-L-43-13	I-L43-12D-GS
IA43-12d-16	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-16	D-L-43-16	I-L43-12D-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
IA50-12d-10	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-10	D-L-43-10	D-L-50-10	I-L50-12D-GS
IA50-12d-11.5	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-L-35-11.5	D-L-43-11.5	D-L-50-11.5	I-L50-12D-GS
IA50-12d-13	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-13	D-L-43-13	D-L-50-13	I-L50-12D-GS
IA50-12d-16	D-GS-CP	D-3SPADE-1.8M	D-20T-M15	D-L-35-16	D-L-43-16	D-L-50-16	I-L50-12D-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	Final Drill	Implant placement
DCT3009	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-DCT3009	I-HDC3-GS
DCT3011	D-GS-CP4	D-3SPADE-1.8M	D-20T-M10	D-DCT3011	I-HDC3-GS
DCT3013	D-GS-CP4	D-3SPADE-1.8M	D-DC20/D-20T-M15	D-DCT3013	I-HDC3-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill, for medium and dense bone	Implant placement
DCT3508	D-GS-CP	D-3SPADE-1.8M	D-20T-M10		D-DCT3508	I-HDC4-GS
DCT3509	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3009	D-DCT3509	I-HDC4-GS
DCT3511	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3011	D-DCT3511	I-HDC4-GS
DCT3513	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15	D-DCT3013	D-DCT3513	I-HDC4-GS
DCT3515	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15		D-DCT3515	I-HDC4-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
DCT4006	D-GS-CP	D-3SPADE-GS	D-16-T			D-DCT4006	I-HDC4-GS
DCT4008	D-GS-CP	D-3SPADE-1.8M	D-20T-M10		D-DCT3508	D-DCT4008	I-HDC4-GS
DCT4009	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3009	D-DCT3509	D-DCT4009	I-HDC4-GS
DCT4011	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3011	D-DCT3511	D-DCT4011	I-HDC4-GS
DCT4013	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15	D-DCT3013	D-DCT3513	D-DCT4013	I-HDC4-GS
DCT4015	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15		D-DCT3515	D-DCT4015	I-HDC4-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities					Fully guided
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill	4th Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
DCT5009	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3009	D-DCT3509	D-DCT4009	D-DCT5009	I-HDC5-GS
DCT5011	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3011	D-DCT3511	D-DCT4011	D-DCT5011	I-HDC5-GS
DCT5013	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15	D-DCT3013	D-DCT3513	D-DCT4013	D-DCT5013	I-HDC5-GS
DCT5015	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15	D-DCT3015	D-DCT3515	D-DCT4015	D-DCT5015	I-HDC5-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	4th Drill Final Drill for soft bone
DCT4008-12D	D-GS-CP	D-3SPADE-1.8M	D-20T-M10		D-DCT3508	D-DCT4008
DCT4009-12D	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3009	D-DCT3509	D-DCT4009
DCT4011-12D	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3011	D-DCT3511	D-DCT4011
DCT4013-12D	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15	D-DCT3013	D-DCT3513	D-DCT4013
DCT4015-12D	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15		D-DCT3515	D-DCT4015

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities				
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill	4th Drill Final Drill for soft bone	Final Drill for medium and dense bone
DCT5009-12D	D-GS-CP	D-3SPADE-1.8M	D-20T-M10		D-DCT3509	D-DCT4009	D-DCT5009
DCT5011-12D	D-GS-CP	D-3SPADE-1.8M	D-20T-M10	D-DCT3009	D-DCT3511	D-DCT4011	D-DCT5011
DCT5013-12D	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15	D-DCT3011	D-DCT3513	D-DCT4013	D-DCT5013
DCT5015-12D	D-GS-CP	D-3SPADE-1.8M	D-DC20/D-20T-M15	D-DCT3013	D-DCT3515	D-DCT4015	D-DCT5015

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities
		Initial Drill	Final Drill
IV-EX30-3710	D-GS-CP4	D-3SPADE-1.8M	D-IV3710GS
IV-EX30-3711	D-GS-CP4	D-3SPADE-1.8M	D-IV3711GS
IV-EX30-3713	D-GS-CP4	D-3SPADE-1.8M	D-IV3713GS
IV-EX30-3715	D-GS-CP4	D-3SPADE-1.8M	D-IV3715GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities	
		Initial Drill	Optional Drill for soft bone.	Final Drill for medium and dense bone
IV-EX35-4510	D-GS-CP	D-3SPADE-1.8M	D-IV3710GS	D-IV4510GS
IV-EX35-4511	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS
IV-EX35-4513	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS
IV-EX35-4515	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IV-EX40-5010	D-GS-CP	D-3SPADE-1.8M	D-IV3710GS	D-IV4510GS	D-IV5010GS
IV-EX40-5011	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS	D-IV5011GS
IV-EX40-5013	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS	D-IV5013GS
IV-EX40-5015	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS	D-IV5015GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Final Drill NOT through the guide
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IV-EX52-6010	D-GS-CP	D-3SPADE-1.8M	D-IV3710GS	D-IV4510GS	D-IV5010GS	D-IV6010GS
IV-EX52-6011	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS	D-IV5011GS	D-IV6011GS
IV-EX52-6013	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS	D-IV5013GS	D-IV6013GS
IV-EX52-6015	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS	D-IV5015GS	D-IV6015GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities
		Initial Drill	Final Drill for medium and dense bone
IV-EX3012D-3711	D-GS-CP4	D-3SPADE-1.8M	D-IV3711GS
IV-EX3012D-3713	D-GS-CP4	D-3SPADE-1.8M	D-IV3713GS
IV-EX3012D-3715	D-GS-CP4	D-3SPADE-1.8M	D-IV3715GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities	
		Initial Drill	Optional Drill for soft bone.	Final Drill for medium and dense bone
IV-EX3512D-4510	D-GS-CP	D-3SPADE-1.8M	D-IV3710GS	D-IV4510GS
IV-EX3512D-4511	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS
IV-EX3512D-4513	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS
IV-EX3512D-4515	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IV-EX4012D-5011	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS	D-IV5011GS
IV-EX4012D-5013	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS	D-IV5013GS
IV-EX4012D-5015	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS	D-IV5015GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Final Drill NOT through the guide
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone
IV-EX5212D-6011	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS	D-IV5011GS	D-IV6011GS
IV-EX5212D-6013	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS	D-IV5013GS	D-IV6013GS
IV-EX5212D-6015	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS	D-IV5015GS	D-IV6015GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities	Fully guided
		Initial Drill	Final Drill	Implant placement
IV-DC30-3710	D-GS-CP4	D-3SPADE-1.8M	D-IV3710GS	I-HDC3-GS
IV-DC30-3711	D-GS-CP4	D-3SPADE-1.8M	D-IV3711GS	I-HDC3-GS
IV-DC30-3713	D-GS-CP4	D-3SPADE-1.8M	D-IV3713GS	I-HDC3-GS
IV-DC30-3715	D-GS-CP4	D-3SPADE-1.8M	D-IV3715GS	I-HDC3-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		Fully guided
		Initial Drill	2nd Drill for medium and dense cortical bone.	Final Drill for medium and dense bone	Implant placement
IV-DC35-4510	D-GS-CP	D-3SPADE-1.8M	D-IV3710GS	D-IV4510GS	I-HDC4-GS
IV-DC35-4511	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS	I-HDC4-GS
IV-DC35-4513	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS	I-HDC4-GS
IV-DC35-4515	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS	I-HDC4-GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Fully guided
		Initial Drill	2nd Drill for medium and dense cortical bone.	3rd Drill Final Drill for soft bone	Final Drill for medium and dense bone	Implant placement
IV-DC40-5010	D-GS-CP	D-3SPADE-1.8M	D-IV3710GS	D-IV4510GS	D-IV5010GS	I-HDC4-GS
IV-DC40-5011	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS	D-IV5011GS	I-HDC4-GS
IV-DC40-5013	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS	D-IV5013GS	I-HDC4-GS
IV-DC40-5015	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS	D-IV5015GS	I-HDC4-GS

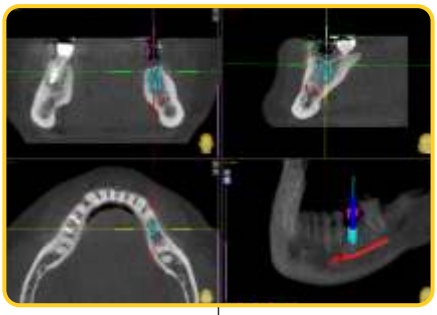
Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities			Final Drill NOT through the guide
		Initial Drill	2nd Drill for medium and dense cortical bone.	3rd Drill	4th Drill Final Drill for soft bone.	Final Drill for medium and dense bone
IV-DC50-6010	D-GS-CP	D-3SPADE-1.8M	D-IV3710GS	D-IV4510GS	D-IV5010GS	D-IV6010GS
IV-DC50-6011	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS	D-IV5011GS	D-IV6011GS
IV-DC50-6013	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS	D-IV5013GS	D-IV6013GS
IV-DC50-6015	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS	D-IV5015GS	D-IV6015GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities	
		Initial Drill	Optional Drill for medium and dense cortical bone.	Final Drill for medium and dense bone
IV-DC3512D-4511	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS
IV-DC3512D-4513	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS
IV-DC3512D-4515	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS

Implant Code	Cortical Perforator	Initiate the osteotomy	Drill sequence per bone densities		
		Initial Drill	Optional Drill for medium and dense cortical bone.	2nd Drill Final Drill for soft bone	Final Drill, for medium and dense bone
IV-DC4012D-5011	D-GS-CP	D-3SPADE-1.8M	D-IV3711GS	D-IV4511GS	D-IV5011GS
IV-DC4012D-5013	D-GS-CP	D-3SPADE-1.8M	D-IV3713GS	D-IV4513GS	D-IV5013GS
IV-DC4012D-5015	D-GS-CP	D-3SPADE-1.8M	D-IV3715GS	D-IV4515GS	D-IV5015GS

SIREAL NARROW

Implant planning



Sleeves

Ø5.1(outer) / Ø4.2 (inner)

Ø4.1 offset sleeve

9 mm; 10.5 mm; 12 mm; 14 mm

Commission Guide

UNIVERSAL GUIDED SURGERY TOOL

The universal guided surgery tool has a diameter of 4.1 mm.The Ø4.1 mm offset sleeves only fits directly on the threaded part of the I-DE-GS4.The shaft of the I-DE-GS4 guides through the narrow Ø4.2 mm guide sleeves.

I-DE-GS4

NARROW OFFSET SLEEVES

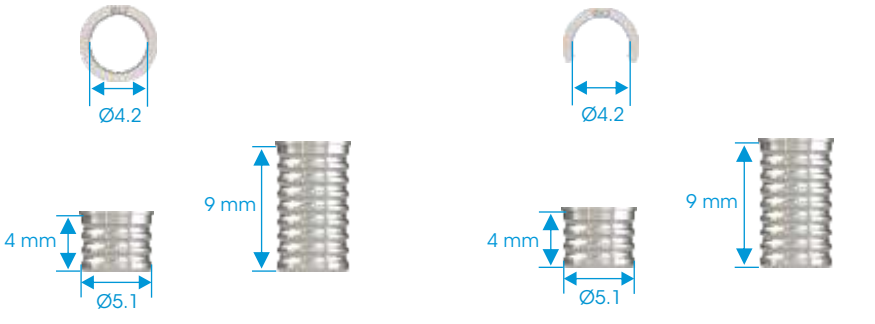
I-GSS04-9 **I-GSS04-10.5** **I-GSS04-12** **I-GSS04-14**

The universal guided surgery tool threads are used to engage the four varied Offset Sleeves for setting the depth of the tool. **NOTE:** the narrow offset sleeves do not have a cylinder attached as with the SIREAL standard offset sleeves. The shaft of the universal guided surgery tool acts as a Ø4.1 mm cylinder, which fits through the narrow guide sleeves.

Universal Guided Surgery Tool — Offset Sleeve

Four offset sleeves are available: **9 mm, 10.5 mm, 12 mm** and **14 mm**. This is to accommodate the patient's vertical opening or adjacent teeth height that could interfere with the guide sleeve.

NARROW GUIDE SLEEVES

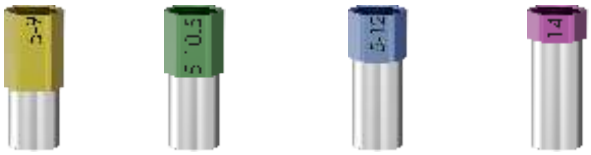


I-GS-5142-L4 **I-GS-5142-L9** **I-GSC-5142-L4** **I-GSC-5142-L9**

UNIVERSAL GUIDED SURGERY TOOL

I-DE-GS4

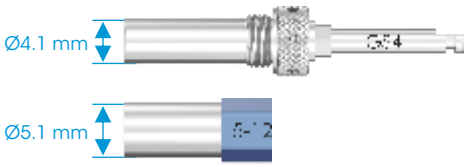
Ø5.1 STANDARD OFFSET SLEEVES



I-GSS05-9 **I-GSS05-10.5** **I-GSS05-12** **I-GSS05-14**

I-GSSO5-9	Ø5.1 x 9 mm Offset Sleeve	(YELLOW)
I-GSSO5-10.5	Ø5.1 x 10.5 mm Offset Sleeve	(GREEN)
I-GSSO5-12	Ø5.1 x 12 mm Offset Sleeve	(BLUE)
I-GSSO5-14	Ø5.1 x 14 mm Offset Sleeve	(PURPLE)

ADDITIONAL INFORMATION



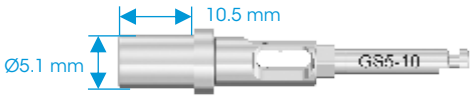
- if driving on the latch, the recommended MAX torque is 40 Ncm.
- if driving on the W&H hex, the recommended MAX torque is 70Ncm Recommended to order 2.

The addition of the Ø5.1 Standard offset sleeve converts the cylinder diameter of the universal guided surgical tool from Ø4.1 mm to Ø5.1 mm.

UNIVERSAL GUIDED SURGERY TOOL

Fixed 10.5 mm offset

I-DE-GS5-10



Features a built-in standard offset of 10.5 mm, eliminating the need for offset sleeves.

GUIDED SLEEVES

Ø6.2 (outer) / Ø5.2 (inner)

I-GS-6252-L4 **I-GS-6252-L9** **I-GSC-6252-L4** **I-GSC-6252-L9**

I-GS-6252-L4	4 mm	Closed Guide Sleeve
I-GS-6252-L9	9 mm	Closed Guide Sleeve
I-GSC-6252-L4	4 mm	Open Guide Sleeve
I-GSC-6252-L9	9 mm	Open Guide Sleeve

Why and when to use a C-guide sleeve?

- better irrigation at the osteotomy site.
- side entry: when the patient has limited vertical space (especially posteriorly).
- Co-Axis® compatibility
- fixture mount screw access.

Benefits of a 9 mm sleeve height

The SIREAL universal guided surgery tool will be guided by a longer guide sleeve length, which increases the guidance and stability.

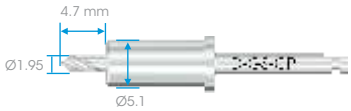
NOTE: 9 mm guide sleeves can not be used with a 9 mm offset.

TISSUE CUTTERS

I-TC-GS4	Tissue Cutter Ø4.5 outer Ø4.1 inner
I-TC-GS5	Tissue Cutter Ø5.0 outer Ø4.7 inner

Can only be used with the standard offset sleeves and the standard guide sleeves.

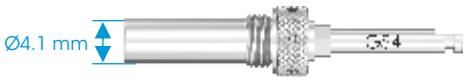
CORTICAL PERFORATOR



D-GS-CP	Cortical Perforator Guide Surgery

- compatible with Ø5.1 guided sleeves.
- recommended to be used as initial drill for 6 mm implants.
- do not use D-20TM10 to prevent preparing the osteotomy too deep.

UNIVERSAL GUIDED SURGERY TOOL



I-DE-GS4

Ø4.1 NARROW OFFSET SLEEVES

I-GSS04-9 I-GSS04-10.5 I-GSS04-12 I-GSS04-14

I-GSSO4-9	Ø4.1 x 9 mm Offset Sleeve	(YELLOW)
I-GSSO4-10.5	Ø4.1 x 10.5 mm Offset Sleeve	(GREEN)
I-GSSO4-12	Ø4.1 x 12 mm Offset Sleeve	(BLUE)
I-GSSO4-14	Ø4.1 x 14 mm Offset Sleeve	(PURPLE)

NARROW GUIDED SLEEVES

Ø5.1 (outer) / Ø4.2 (inner)

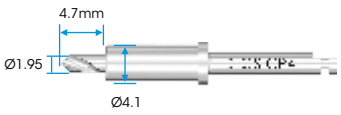
I-GS-5142-L4 I-GS-5142-L9 I-GSC-5142-L4 I-GSC-5142-L9

I-GS-5142-L4	4 mm	Closed Guide Sleeve
I-GS-5142-L9	9 mm	Closed Guide Sleeve
I-GSC-5142-L4	4 mm	Open Guide Sleeve
I-GSC-5142-L9	9 mm	Open Guide Sleeve

TISSUE CUTTER

I-TC-GS3	Tissue Cutter Ø3.9 outer Ø3.5 inner

CORTICAL PERFORATOR



D-GS-CP4	Cortical Perforator Guide Surgery

ADDITIONAL INFORMATION

- if driving on the latch, the recommended MAX torque is 40 Ncm.
- if driving on the W&H hex, the recommended MAX torque is 70Ncm Recommended to order 2.

The narrow offset sleeves utilise the Ø4.1 cylinder of the SIREAL tool to engage the NARROW sleeves.

Why and when to use a C-guide sleeve?

- better irrigation at the osteotomy site.
- side entry: when the patient has limited vertical space (especially posteriorly).
- Co-Axis® compatibility
- fixture mount screw access.

Benefits of a 9 mm guide sleeve height
The SIREAL universal guided surgery tool will be guided by a longer sleeve length, which increases the guidance and stability.

NOTE: 9 mm guide sleeves can not be used with a 9 mm offset.

Can only be used with the narrow offset sleeves and the narrow guide sleeves.

- compatible with Ø4.1 guided sleeves.
- recommended to be used as initial drill for 6 mm implants.
- do not use D-20TM10 to prevent preparing the osteotomy too deep.

GUIDE FIXATION PIN / SLEEVE / DRILL

I-D12-GS
Guide Fixation Pin

I-GS-2513-L6
Guide Fixation Pin Sleeve

I-D12-GS	Guide Fixation Pin
I-GS-2513-L6	Guide Fixation Pin Sleeve

D-12T-M15
Fixation Pin Drill

D-12T-M15	Twist Drill Ø1.2 x 15 mm

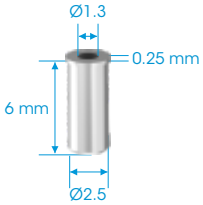
INSTRUMENT TRAY INSERTS (to keep the Offset sleeves upright)

I-GS-TP

I-GS-TP	Guide Sleeve Pin GS Tray

ADDITIONAL INFORMATION

Place at lease 3 pins to stabilize the guide.



The guide pins, are inserted through the fixation guide sleeve, after drilling a hole with the D-12T-M15.

Due to the Narrow diameter of the Ø1.2 twist drill:

- avoid lateral movement whilst drilling.
- have a spare available.

Compatible with silicone insert trays.

SIREAL ORDER GUIDE

INITIAL DRILLS

		ADDITIONAL INFORMATION
	D-16-T Pilot drill - side cutting Ø1.6 mm	Drill is indicated when placing a 6 mm length implant. Do not use the D-20T-M10 initial drill.
	D-20T-M10 Initial drill - twist drill Ø2.0 mm	10 mm twist drill is indicated for implant lengths 11.5 mm and shorter. (Applicable to all implant ranges)
	D-20T-M15 Initial drill - twist drill Ø2.0 mm	15 mm twist drill is indicated for implant lengths 12 mm and longer. (Applicable to all implant ranges)
	D-DC20 Initial drill - twist drill Ø2.0 mm	D-DC20 drill is indicated for implant lengths 13 mm and longer. For shorter implants, use D-20T-M10.
	D-220C Initial drill - twist drill Ø2.0 mm	Indicated for IT implant lengths 12 mm and longer. For shorter implants, use D-20T-M10.

GUIDED DRILLS FOR INVERTA® GUIDED SURGERY

D-IV3708GS	Drill Taper IV GS Ø3.75 x 8 mm
D-IV3710GS	Drill Taper IV GS Ø3.75 x 10 mm
D-IV3711GS	Drill Taper IV GS Ø3.75 x 11.5 mm
D-IV3713GS	Drill Taper IV GS Ø3.75 x 13 mm
D-IV3715GS	Drill Taper IV GS Ø3.75 x 15 mm
D-IV4508GS	Drill Taper IV GS Ø4.5 x 8 mm
D-IV4510GS	Drill Taper IV GS Ø4.5 x 10 mm
D-IV4511GS	Drill Taper IV GS Ø4.5 x 11.5 mm
D-IV4513GS	Drill Taper IV GS Ø4.5 x 13 mm
D-IV4515GS	Drill Taper IV GS Ø4.5 x 15 mm
D-IV4518GS	Drill Taper IV GS Ø4.5 x 18 mm
D-IV5008GS	Drill Taper IV GS Ø5 x 8 mm
D-IV5010GS	Drill Taper IV GS Ø5 x 10 mm
D-IV5011GS	Drill Taper IV GS Ø5 x 11.5 mm
D-IV5013GS	Drill Taper IV GS Ø5 x 13 mm
D-IV5015GS	Drill Taper IV GS Ø5 x 15 mm
D-IV5018GS	Drill Taper IV GS Ø5 x 18 mm
D-IV6010GS	Drill Taper IV GS Ø6 x 10 mm
D-IV6011GS	Drill Taper IV GS Ø6 x 11.5 mm
D-IV6013GS	Drill Taper IV GS Ø6 x 13 mm
D-IV6015GS	Drill Taper IV GS Ø6 x 15 mm
D-IV6018GS	Drill Taper IV GS Ø6 x 18 mm

CAUTION:

- all INVERTA® tapered drills used with SIREAL must be part of the "**GS**" drill range.
- utilising the standard INVERTA® tapered drills will result in deeper site preparation than planned.

FULLY GUIDED IMPLANT PLACEMENT TOOLS

DC (Deep Conical)

I-HDC3-GS I-HDC4-GS I-HDC5-GS

I-HDC3-GS	Ø3.0 Placement Tool
I-HDC4-GS	Ø4.0 Placement Tool
I-HDC5-GS	Ø5.0 Placement Tool

Internal Hex and PROVATA®

I-H-PRO-GS I-H-PRO3-GS I-H-PRO12D-GS

I-H-PRO-GS	Placement Tool
I-H-PRO3-GS	Placement Tool
I-H-PRO12D-GS	Placement Tool, Co-Axis®

TRI-NEX®

I-HLH-35GS I-HLH-43GS I-HLH-50GS I-L43-12D-GS I-L50-12D-GS

I-HLH-35GS	Ø3.5 Placement Tool
I-HLH-43GS	Ø4.3 Placement Tool
I-HLH-50GS	Ø5.0 Placement Tool
I-L43-12D-GS	Ø4.3 Placement Tool, Co-Axis®
I-L50-12D-GS	Ø5.0 Placement Tool, Co-Axis®

ADDITIONAL INFORMATION

CAUTION:

- all fully guided implant placement tools used with the SIREAL universal guide tool must be part of the "**GS**" range.
- utilising the standard implant placement tools could result in deeper implant placement than planned.

PEEK bits

I-PBIT-H16 **I-PBIT-L18**

Insertion tools supplied with PEEK bit.

PEEK bits

I-PBIT-L18
for
Ø3.5 mm interface instrumentation only.

I-PBIT-L20
for
Ø4.3 mm and Ø5.0 mm interface instrumentation.

Insertion tool supplied with PEEK bit.

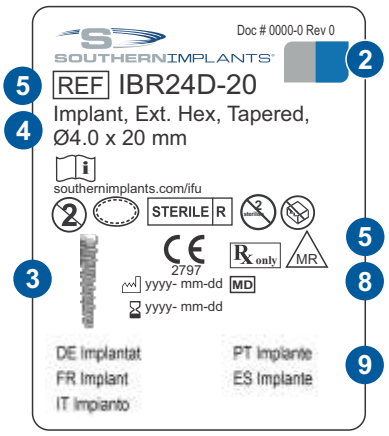
Important: the PEEK bits should be replaced on a regular basis. Items sold separately. General wear and tear are to be expected with regular use.

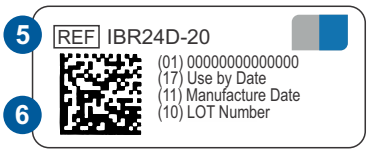
EXPLANATION OF SYMBOLS

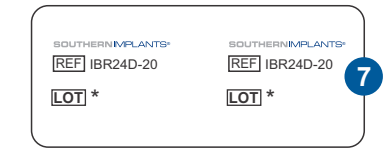
The following symbols are used on packaging labels and they indicate the following:

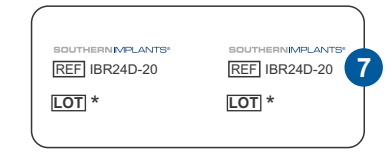
1. Manufacturer
2. Colour code indicating platform diameter
3. Implant image
4. Implant details and size
5. Sterilisation using iradiation
   - EC REP — European representative
   - REF — Catalogue number
   - LOT — Batch code
   - Do not resterilise
   - Consult instruction for use
   - Do not reuse
   - CE mark and notified body number
   - Use by date
   - Date of manufacture
   - Do not use if package is damaged
   - MD — Identifies the product as a medical device
   - MR — MR Conditional / Magnetic Resonance Conditional
   - Single sterile barrier system
   - Double sterile barrier
6. 2D Bar coding
   Contains the GTIN, Use by date and LOT number
7. Patient sticker for documentation purposes
   (to be used by health care provider on patient file)
8. Rx — Prescription device

   CAUTION: FEDERAL LAW RESTRICTS THE DEVICE TO SALE BY OR ON THE ORDER OF A LICENCED HEALTH CARE PROVIDER.
9. Product description
   (translated as per international standards)









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