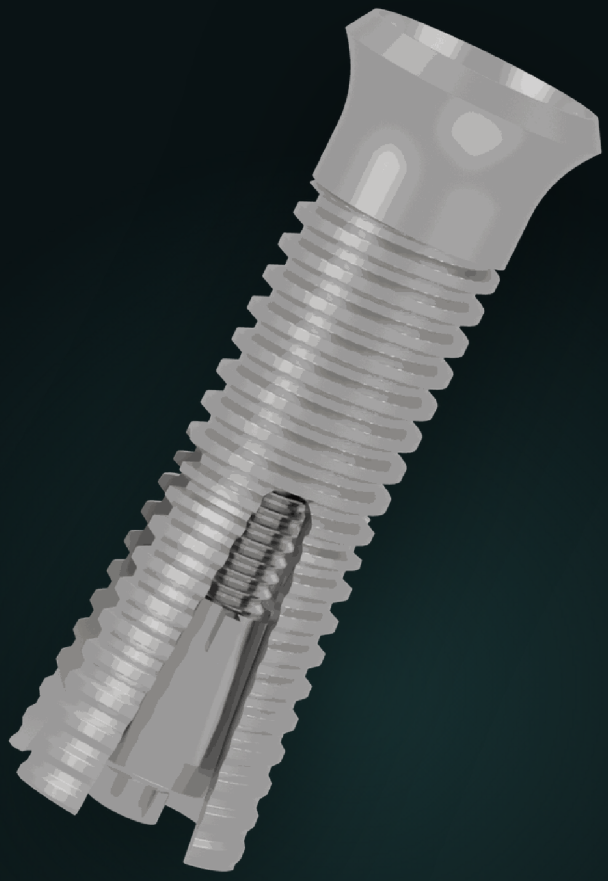
LEGACY SYSTEM · BIODENT INC



SARGON DENTAL IMPLANTS

The Immediate Load Implant System *Self-Tapping Internal Connection*

SURGICAL and RESTORATIVE Manual · PRODUCT Catalog

SARGON INTERNAL CONNECTION

Welcome to the exciting realm of implant dentistry with the Sargon® Internal Connection Implant

It is our mission to improve, innovate and enrich the field of implant dentistry.

It is our promise to provide you and your patients with the highest quality of manufacturing standards and service available.

It is our goal to offer you a new dimension of treatment capabilities.

LIMITED AVAILABILITY

Many components for this legacy system have been discontinued, and remaining inventory for restorations is limited. Items listed in this catalog may no longer be available. Before planning a restoration, please email info@ultratooth.com or info@biodentinc.com with the catalog numbers of your preferred items to confirm what is available.

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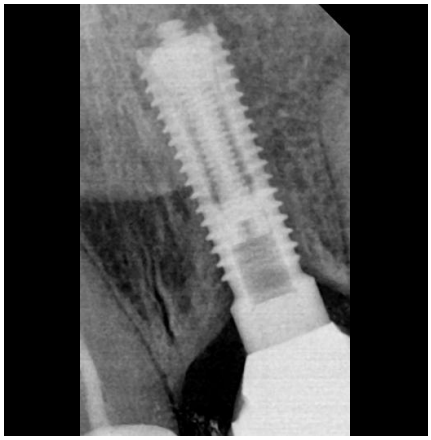
BEFORE YOU ORDER

Which system are you restoring?

Compare your patient's radiograph with the examples below to identify the implant system, then use the matching manual. Components are not interchangeable between systems.

☐ The main identifier is the top portion of the implant — where the abutment connects.



LEGACY

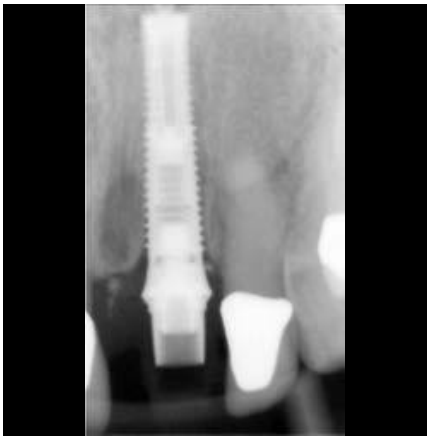
Sargon Immediate Load Standard (External Hex)



LOOK HERE · TOP OF IMPLANT

- **Top: external 1.25mm hex with a bevel at its base**, with a separate abutment screwed on top
- 3.8mm diameter · 10, 13, 16mm
- Not self-tapping

RESTORATIVE MANUAL & PRODUCT CATALOG 1100



LEGACY

Sargon Self-Tapping Internal Connection (I.C.)



LOOK HERE · TOP OF IMPLANT

- **Top: internal connection inside a 2mm collar** — the abutment seats down into the implant
- 4.3mm (Standard, Wide Profile) or 5.1mm (Wide Body)
- Self-tapping

SURGICAL & RESTORATIVE MANUAL · CATALOG 1200



CURRENT

Ultratooth by Biodent



LOOK HERE · TOP OF IMPLANT

- **Top: one-piece implant and abutment** — the top 3mm is the abutment, with no separate abutment interface
- Expanded pods visible at the apex
- 3.8mm Standard or 4.8mm Wide · 10, 13, 16mm

THE ULTRATOOTH HANDBOOK

NOT SURE?

Email a radiograph of the case to info@ultratooth.com or info@biodentinc.com and we'll help identify the system and confirm which components are available. Radiographs shown are representative examples, not actual size.

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PRODUCT CATALOG

Sargon® Internal Connection (I.C.) Implants



A Implant Diameter
B Collar Diameter
C Collar Length
D Implant Length



I.C. STANDARD



I.C. WIDE PROFILE



I.C. WIDE BODY

Sargon Internal Connection Implants are precision machined from titanium alloy (90Ti 6A1 4V) and surface is blasted with aluminum oxide and acid etched, designed and manufactured to meet all industry standards. It has internal connection for secure and accurate abutment fit. Implant designed to be self-tapping.

NOTE
Remember to order prosthetic components when ordering implants.

CATALOG NO.	DESCRIPTION	IMPLANT DIAMETER	COLLAR DIAMETER	COLLAR LENGTH
3910I	10mm I.C. Standard	4.3mm	5.0mm	2.0mm
3913I	13mm I.C. Standard	4.3mm	5.0mm	2.0mm
3916I	16mm I.C. Standard	4.3mm	5.0mm	2.0mm
3910IWP	10mm I.C. Wide Profile	4.3mm	6.2mm	2.0mm
3913IWP	13mm I.C. Wide Profile	4.3mm	6.2mm	2.0mm
3916IWP	16mm I.C. Wide Profile	4.3mm	6.2mm	2.0mm
3910WBI	10mm I.C. Wide Body	5.1mm	6.2mm	2.0mm
3913WBI	13mm I.C. Wide Body	5.1mm	6.2mm	2.0mm
3916WBI	16mm I.C. Wide Body	5.1mm	6.2mm	2.0mm

(Please note: The images shown are not actual size)

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PRODUCT CATALOG

Sargon® Internal Connection Surgical Instruments

The Universal One-Step Drill is utilized to replace what previously required multiple steps with multiple drills, at times, up to five drills, including a rosette drill, pilot drill, guide drill, tissue punch and final drill. The Universal One-Step drill can be used in combination with the final drill for any implant system.

PATENT PENDING



Final Drill with depth indicators that correspond to the length of the selected implant
16mm · 13mm · 10mm · 8mm
Measurements taken from this line

	IMAGE	CATALOG NO.	DESCRIPTION	DIAMETER	LENGTH
A		**4010**	Rosette Drill	2.5mm	
B		**4020**	Pilot Drill	2.0mm	13mm
C		**4030**	Guide Drill	3.0mm	13mm
D		**4085**	Universal One-Step Drill	0.0 to 3.0mm	16mm
E	**FINAL DRILL** (Stainless Steel)				
		4042	Final Drill Long	3.2mm	20mm
		4040	Final Drill Short	3.2mm	16mm
		4080	Final Drill Wide Body I.C.	4.0mm	16mm

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	IMAGE	CATALOG NO.	DESCRIPTION	DIAMETER	LENGTH
F		**IMPLANT DRIVER**			
		**6040IL**	I.C. Implant Driver Long		18mm
		6040IS	I.C. Implant Driver Short		8mm
G		**6055**	Hand Wrench		
H		**6051**	Ratchet		
I		**6005**	Screw Driver (Expansion)	2.0mm	
J		**6025**	Hex Driver(fits all abutments)	1.6mm	
		I.C. TAPERED FINISHING DRILLS:			
K		**4065I**	Standard I.C.	3.9mm	10mm
L		**4075I**	Wide Profile I.C.	3.9mm	10mm
M		**4070I**	Wide Body I.C.	4.75mm	10mm

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PRODUCT CATALOG

Sargon® Systems

	IMAGE	CATALOG NO.	DESCRIPTION	DIAMETER
A		**6000H***	Screw Driver Handpiece	2.0mm
B		**6020H***	Hex Driver Handpiece	1.6mm
C		**7525**	Setscrew Driver	1.25mm
D		**6060**	Implant Body Try-In	3.3mm
E		**6060UT**	Ultratooth Body Try-In (set of 4)	
F		**6008UT**	8mm Ultratooth Body Try-In	
G		**6010UT**	10mm Ultratooth Body Try-In	
H		**6013UT**	13mm Ultratooth Body Try-In	
I		**6016UT**	16mm Ultratooth Body Try-In	
J		**6070**	Paralleling Pin (two sided)	2mm & 3.5mm
K		**6400**	Drill Extender	
L		**6440**	Drill Cleaner	

* may be used with Hand Wrench #6055 or Surgical Handpiece.

(Please note: The images shown are not actual size)

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PRODUCT CATALOG

Sargon® Internal Connection Prosthetic Components

FOR ALL INTERNAL CONNECTION IMPLANTS



Impression Post Hexed
7011I



Provisional Abutment
7044



Cover Screw
3960I



Abutment Screw
7160



IFA Abutment
Long 7045G
Short 7046G

FOR WIDE PROFILE AND WIDE BODY



Healing Collar
3942IW 2mm
3944IW 4mm



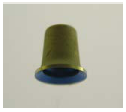
IFA Transfer Sleeve
7052-1 Single
7052-4 Pack of 4



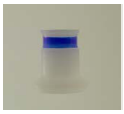
IFA Abutment Analog
7307W Short
7308W Long



Implant Analog
7305IW-1 Single
7305IW-4 Pack of 4



Crown Sleeve
7064IW Short
7065IW Long



IFA Waxing Sleeve
7230IW-1 Hexed-Single
7230IW-4 Hexed-Pack of 4
7235IW-1 Non Hexed-Single
7235IW-4 Non Hexed-Pack of 4



Waxing Sleeve
7220IW-1 Hexed-Single
7220IW-4 Hexed-Pack of 4
7210IW-1 Non Hexed-Single
7210IW-4 Non Hexed-Pack of 4

FOR STANDARD IMPLANTS



Healing Collar
3942I 2mm
3944I 4mm



IFA Transfer Sleeve
7054-1 Single
7054-4 Pack of 4



IFA Abutment Analog
7307S Short
7308S Long



Implant Analog
7305I-1 Single
7305I-4 Pack of 4



Crown Sleeve
7064I Short
7065I Long



IFA Waxing Sleeve
7230I-1 Hexed-Single
7230I-4 Hexed-Pack of 4
7235IS-1 Non Hexed-Single
7235IS-4 Non Hexed-Pack of 4



Waxing Sleeve
7220I-1 Hexed-Single
7220I-4 Hexed-Pack of 4
7210I-1 Non Hexed-Single
7210I-4 Non Hexed-Pack of 4

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PRODUCT CATALOG

Sargon® Systems



CATALOG NO. 9100

The Sargon Surgical System

This Kit contains six implants and all instrumentation necessary for accurate placement of the Sargon Implant.



CATALOG NO. 9040

The Sargon Single Tooth Replacment Kit

This Kit contains one implant and all instrumentation necessary for accurate placement of the Sargon Implant.

Patient Education



1030-20
Patient Education Brochure (Pack of 20)



1300
Introduction Video



1400
Sargon Text Book



1500
Customer Reference Binder



1600
Sargon DVD Animation



2010
Maxillary Model



2020
Mandibular Model

(Picture not shown)

2030
Oversized Implant Model

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SURGICAL AND RESTORATIVE MANUAL

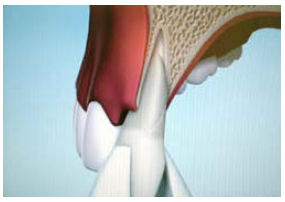
Surgical Steps for Sargon® Immediate Tooth Replacement

1

Extract tooth as atraumatically as possible.

> **NOTE**
> Use of periotomes Recommended.



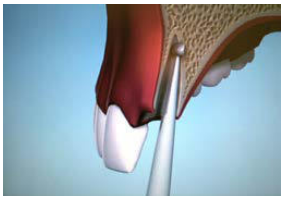


2

All fibrous and cystic tissue must be curetted.

> **NOTE**
> Use of Ultrasonic Scaler and Laser for Socket Disinfection is recommended.





3

Use the Rosette drill to make an initial notch on the palatal wall of the socket.

> **NOTE**
> The shallower the palate, the more coronal position of the notch.





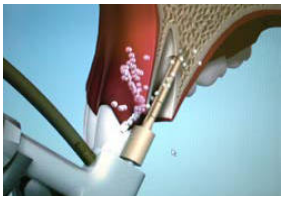
4

Use the pilot drill to penetrate the palatal wall of the socket through the initial notch. Initially **(A)** enter at slight angle and then **(B)** upright the dill to match the direction of the socket.

> **NOTE**
> Since all anterior teeth are replaced with a 13 or 16 mm implant for immediate loading, the pilot drill is always inserted to its hub.

> **WARNING**
> After initial penetration through the notch the drill must drop down easily through the spongy bone. If it feels like you are going through hard bone you are possibly perforating through the palate. Upright your drill further





(A)



(B)

Steps 3 to 5 can be accomplished by the Universal One Step Drill. This is only advised for experienced Implant Placers.



Universal One Step Drill

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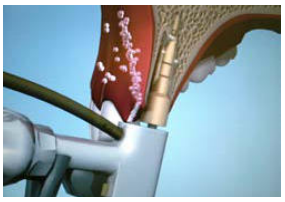
SURGICAL AND RESTORATIVE MANUAL

Surgical Steps for Sargon® Immediate Tooth Replacement cont...

5

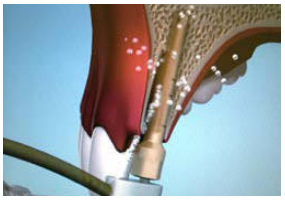
Follow the initial pilot drill path with the guide drill

6

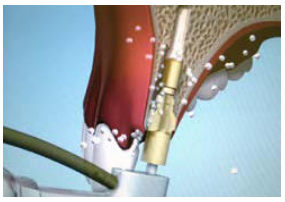
Use your final drill to go to the desired length.

> **NOTE**
> The IC implant has a 2mm collar in addition to the implant length. Drill 20mm for 16mm implant & 17mm for a 13mm implant from soft tissue level.

7

Taper your preparation with the proper finishing drill.

8

The implant is self tapped in the preparation by using either a hand piece or a ratchet.

> **NOTE**
> Drive the implant to the desired level. 2 mm subgingival is recommended.




9

Expand the implant by using the Sargon screw driver to 17-20 N/cm2 of torque.

> **NOTE**
> you can use a torque-wrench for this step. Sargon screw driver is designed to distort prior to any damage to the internal screw.

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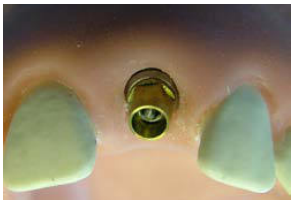
SURGICAL AND RESTORATIVE MANUAL

Restorative Steps for Sargon® Immediate Tooth Replacement

> **NOTE**
> At this point a full arch impression can be taken with the transfer sleeve and sent to lab for traditional crown and bridge, while the patient is provisionalized. Composite provisionals with Dycal or water soluble cement is recommended.

1

Place the abutment on the implant making sure the internal connection is fully seated.



2

Place transfer sleeve on the abutment making sure it clicks over the margin of the implant.

OR



3

Use a hard silicone type of material to index the sleeve on adjacent teeth. Use silicone materials made for bite registration.



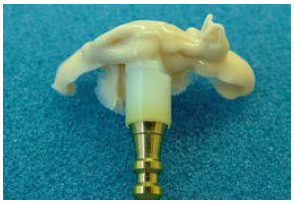
4

Use the actual abutment on an implant analog if any prepping is necessary by the lab, otherwise an abutment analog can be used.



5

Remove the indexed sleeve from the mouth and secure it to the analog making sure it clicks on the abutment.



6

Finished crown and abutment are delivered and cemented. Seal the abutment screw with silicone sealant and use water-soluble cement.



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SURGICAL AND RESTORATIVE MANUAL

Laboratory Steps

> When the patient is initially seen a diagnostic model and shade of the tooth being replaced is taken and send to the lab.

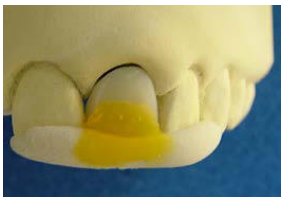
1

A diagnostic wax up is fabricated.



2

An Estenia (Hybrid Porcelain by Kuraray) crown shell and an acrylic positioning jig is fabricated and sent to the doctor.



3

A work model is made by hollowing the tooth being implanted and seating the indexed analog.

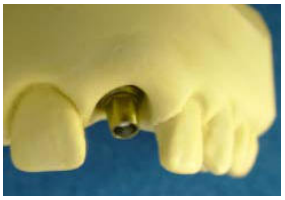




4

Cold cure acrylic is used to secure the analog to the model.





5

A premachined crown sleeve is opaqued and placed on the abutment.





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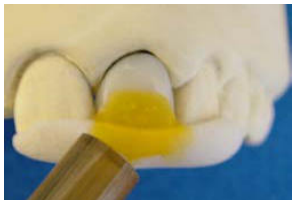
SURGICAL AND RESTORATIVE MANUAL

Laboratory Steps cont...

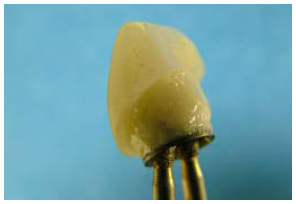
6

Use the jig to secure the crown shell on the sleeve by using light cured composite.



7

Remove the crown and sleeve and finish contouring by adding additional material.



8

The fully contoured crown is then light and heat cured.



9

Final contouring and polishing is done.



10

The finished crown is taken for immediate delivery to the patient.



Finished Crown on the Model



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SURGICAL AND RESTORATIVE MANUAL

Clinical Case



PRE-OP · POST-OP



PRE-OP CLINICAL



IMPLANT PLACEMENT



TRANSFER SLEEVE PLACED



INDEXING THE SLEEVE



INDEXED SLEEVE REMOVED



POST-OP



ONE WEEK POST-OP

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BACK COVER

Sargon® Surgical Training and Services

Sargon training seminars are offered in selected training centers worldwide. The fee for each training seminar includes a full Sargon surgical kit, surgical training and hands-on demonstrations.

CONTINUING EDUCATION COURSES

Our surgical training courses are designed to aid dentists, at any stage of their career, in providing a higher standard of care to their patients through enhanced surgical and restorative techniques. Refresher and Advanced Training are offered at NO ADDITIONAL CHARGE for the span of the practitioner's career. Patient demonstrations and hands-on workshops are provided at each session.

STUDY CLUBS AND GROUP LECTURES

Join a group of your colleagues who have incorporated our system into their practice or begin your own study / referral group. We are available for group lectures ranging from educational institutions to private study clubs, incorporating fundamental literature, slide presentations and, when applicable, patient demonstration.

For further information, please contact the Department of Continuing Education at: +1 (747) 800-8011 or info@ultratooth.com.

TERMS OF SALE AND WARRANTY INFORMATION

Order Fulfillment: In order to maintain the highest levels of quality customer satisfaction, ensuring accuracy and efficiently expediting orders, please use the PROPER CATALOG # AND ITEM DESCRIPTION when placing all orders. Please order in a timely manner. All orders received after 2:00 PM PST will not be shipped until the following day.

Please note that orders are best placed via e-mail: info@ultratooth.com or info@biodentinc.com.

Shipping Methods: Orders shipped within the Continental U.S. are sent via UPS. The standard method of shipping is SECOND DAY AIR, unless other specifications are requested at the time the order is placed. Please be aware that we are not responsible for delayed packages, due to UPS error or eventful weather conditions, and such matters should be considered when placing your order. All prices are based on F.O.B. Encino, CA.

Export Orders / Shipping: ALL International orders require payment in full prior to shipping, this may require a LETTER OF CREDIT. Shipments may have to undergo customs processing and could be delayed for various reasons. Please consider these factors when placing your order.

Payment Terms: All new accounts are subject to C.O.D., VISA or MASTERCARD payment when placing an order for the first six months. After six months has passed you may request a credit line with our Accounting Department. As we do not perform credit checks or request a credit history, credit is established based on payment patterns.

A finance charge of 1.5% per month will be added to balances not paid within 30 days (annual percentage=18%)

Return Policy: Please contact our Customer Service Department for return approval, authorization number and shipping instructions. Any product(s) approved for return must be in original and unopened condition, and received within 30 days from the original invoice date. Return freight will be prepaid by the customer and subject to a 15% restocking fee prior to returning any item(s). Return will be processed and credited to the customer's account when applicable. Customer's Credit will expire after 12 months from the date credit has been issued.

General Limited Warranty: Bio-Dent, Inc. makes no warranty, expressed or implied, except that its products shall be free from defects in material and / or workmanship and shall be of merchantable quality. This warranty only applies to the original purchaser. In the event of a defect, please notify the Customer Service Department of the defect prior to returning the product to Bio-Dent, Inc.

Warranty: The purchaser assumes all risk and liability resulting from the use of these products, whether used separately or in combination with other products not of Bio-Dent's manufacture. Bio-Dent, Inc. strongly recommends completion of postgraduate dental implant education and strict adherence to the procedures for use, as described in accompanying literature.

Bio-Dent, Inc. continually strives to improve its products and therefore reserves the right to improve, modify or discontinue products at anytime, or to change the specifications without notice and without incurring obligations.

Caution: U.S. Federal Law restricts this device to sale by, or on the order of, a dentist or physician. Devices labeled and sold as "sterile" are sterile unless the package is opened or damaged.

TO PLACE AN ORDER EMAIL
info@ultratooth.com
info@biodentinc.com

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+1 (747) 800-8011

FOR FURTHER INFORMATION VISIT US AT
www.ultratooth.com

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