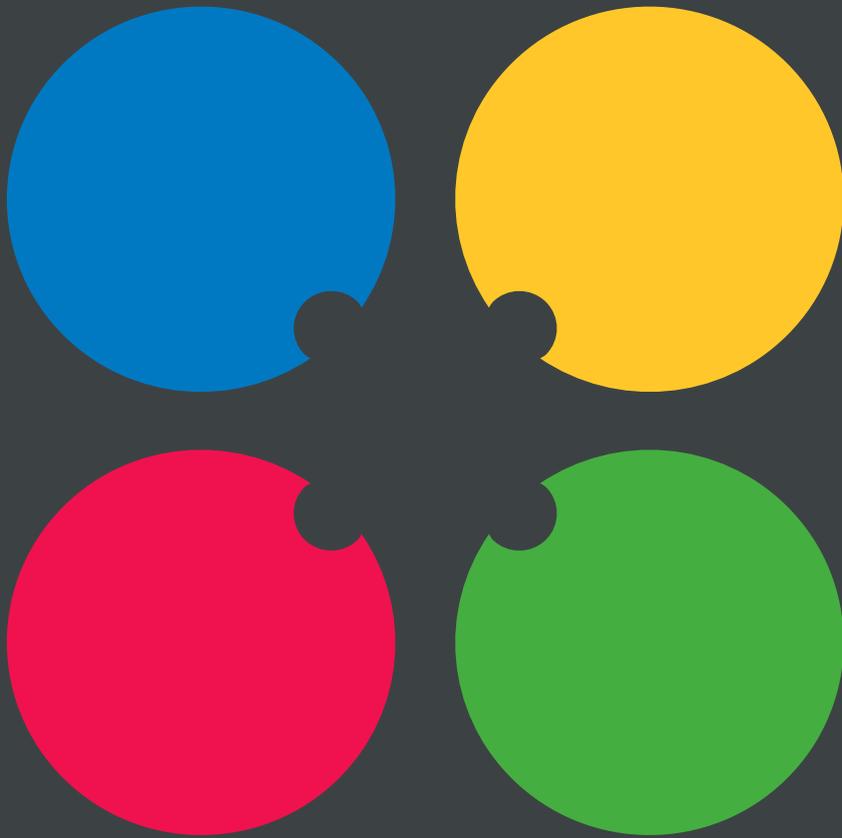


SURGIKÖR



PRODUCT CATALOG

INTRODUCTION

Surgikor delivers world-class quality and clinical excellence in the field of implant dentistry. We have combined decades of clinician experience with the most current research to create a robust range of dental implants and oral rehabilitation solutions. Our focus is on prosthetically-driven implantology to meet every need of the modern dentist.

Surgikor implants and prosthetic components are fabricated in a modern, state-of-the-art facility in Germany. They undergo rigorous quality control measures in order to ensure reliable, effective and predictable results.

Thank you for choosing Surgikor.

THE VERSATILE™

Platform-switched, tapered implant design. *p. 20*



THE FIXATION™

Platform-switch design, classic root-form implant with wide thread pitch. *p. 28*



THE IMMEDIATE™

Platform-switched, root-form design with flat apex. *p. 24*



THE SOLUTION™

Slightly-switched platform design with a dense, deep conical connection. *p. 32*



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GENERAL INFORMATION

From our proprietary surface technologies to the unique features of each of our implants, Surgikor offers comprehensive, state-of-the-art implant solutions. Learn more about our dental implant surface technology process, DUOTex[®] surfacing, implant features and intuitive catalog numbering system.



DENTAL IMPLANT SURFACE TECHNOLOGY

At Surgikor, our entire range of dental implants share the same proprietary surface technologies. Our dental implants are fabricated in a state-of-the-art facility located in Rostock, Germany. We employ medical-grade 23 titanium alloy (Ti-6Al-4V) for the dental implant bodies and prosthetics. Grade 23 titanium alloy is one of the strongest titanium alloys available for medical devices¹. Grade 23 titanium alloy is also more chemically pure than grade 5 titanium utilized by other manufacturers. Our proprietary three step surface treatment not only rids the implant surface of all contaminants, it also creates an ideal micro and nano pore topography.

Osseointegration of a dental implant into bone is dependent on numerous factors such as implant design, surgical protocol, and the bone volume quality and type. Of particular importance however is the implant surface macro, micro, and nano topography.

Macrotopography refers to the body and thread design of the dental implant. Surgikor Implants employ specific body, thread and platform designs to meet every surgical and prosthetic application of modern implant dentistry. Please refer to the product description of each implant to review their specific characteristics.

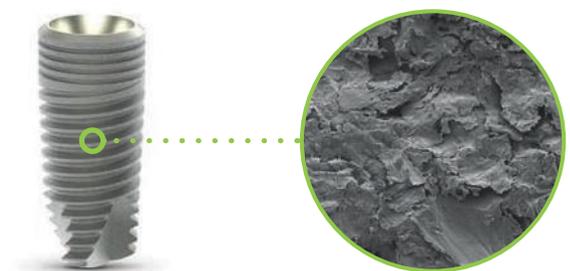
Microtopography refers to surface pore sizes in the $1.5\mu\text{m} \pm 0.5\mu\text{m}$ ($1500\text{nm} \pm 500\text{nm}$) range. Implant surfaces roughened to this pore size range exhibit high resistance to compressive, tensile, and shear forces². DUOTex[®] Surface achieves an average pore size of $1.1\mu\text{m}$ via blasting with hydroxyapatite(HA) particles³.

Nanotopography refers to pore sizes in the 1-100 nm range. Our proprietary two-step process of creating this range of pore sizes achieves three goals.

1 Increasing the hydrophilicity

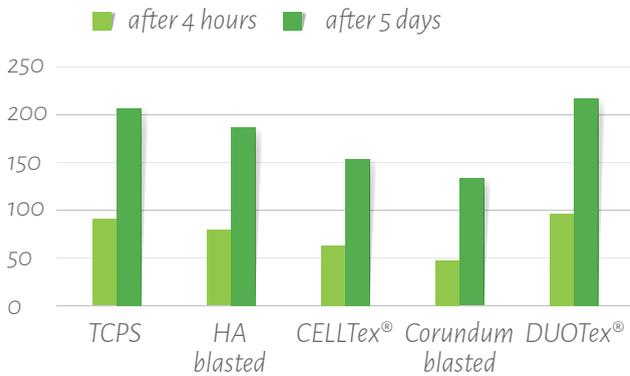
Surface pore sizes in the 1-100nm range dramatically increase the hydrophilicity of a dental implant surface. Increased hydrophilicity facilitates osteoblast adhesion to the dental implant surface.

(A review on the wettability of dental implant surfaces II: Biological and clinical aspects Rolando A. Gittens^{a, 1}, Lutz Scheideler^{b, 1}, Frank Rupp^{b, 1}, Sharon L. Hyzy^c, Jürgen Geis-Gerstorfer^b, Zvi Schwartz^{c, d}, Barbara D. Boyan^e)

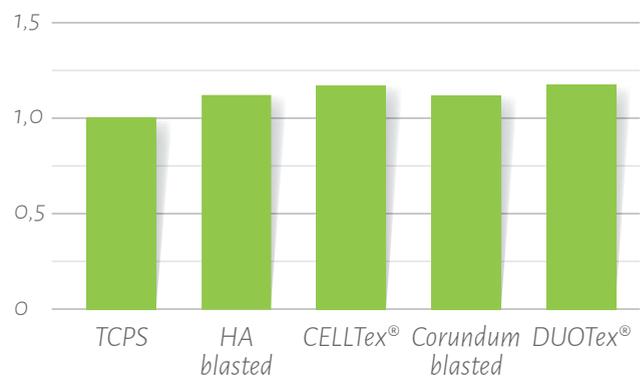


2 Facilitating cell adhesion

A surface titanium oxide layer is created greatly facilitating cell adhesion to the implant surface.



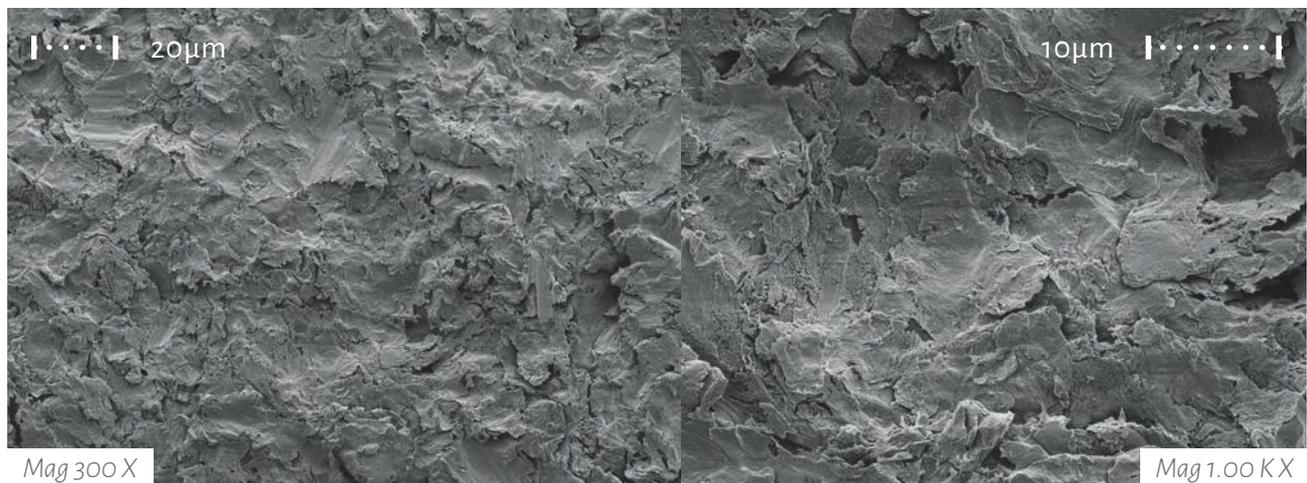
Cell quantity after 4 h and 5 d cultivation in vitro



Cell vitality (MTS conversion test)

3 Removing debris and contamination

All implant surface debris and contamination is removed from the implant⁴.



All Surgikor implants are stored in a moisture-proof package.

¹ Elias C.N., Lima J.H.C., Valiev, and Meyers M.A.: *Biomedical Applications of Titanium and its Alloys*

² Basier RE., Meyer AE.: *Implant surface preparation. Int. J Oral Maxillofac Implants* 1988; 3:9-20

³ Carlsson L., Roslund T., Albrektsson T.: *Removal torques for polished and rough titanium implants. Int. J Oral Maxillofac Implants* 1988; 3:21-24.

⁴ Prüfbericht NORDUM 261006

DUOTEX[®] SURFACE

The long-term success of dental implants largely depends on rapid healing with safe osseointegration. Changing the surface microarchitecture of the titanium promotes cell adhesion and proliferation, and improves the body's cellular response to the implant.

- Pure titanium surface (Ti-6Al-4V Grade 23)
- No changes in pH-value due to acid etching
- Roughness Ra: $1, \pm 0.5 \mu\text{m}$
- Macro, Microstructured and Nanotopography (increased surface area)
- High bio-compatibility



UNPACKING



Open box



Remove box content



Remove implant using hand driver or handpiece

STERILIZATION AND PACKAGING

Once Surgikor implants receive the surface treatment, they are shipped to our facility near Stuttgart, Germany to be cleaned, disinfected, sterilized and packaged in a succession of clean rooms, to ensure all micro-biologic contamination is eliminated.

Sterilization is accomplished with the use of Gamma radiation, resulting in microorganisms inactivated by damage to their nucleic acids. The components are then assembled and hermetically sealed in blister packs, and placed into individual boxes.



Flip side over to remove screw



Open implant cover screw side



Remove cover using hand driver

IMPLANT FEATURES

Surgikor implants are designed to address the myriad surgical requirements facing today's implantologist. Choose the implant best-suited to each individual patient need, with features including narrow thread pitch and rounded apices for dense bone volumes, wide thread for less-dense bone volumes, flattened coronal thread to maximize resistance to shear forces and self-tapping thread patterns for optimal surgical flexibility. Surgikor implants offer conical and/or hex connections, and prosthetic platform options include conical narrow, regular, regular Solution, wide, wide Solution and hex.

PROSTHETIC
CONNECTION

IMPLANT BODY

APEX



VERSATILE™

IMMEDIATE™

FIXATION™

SOLUTION™



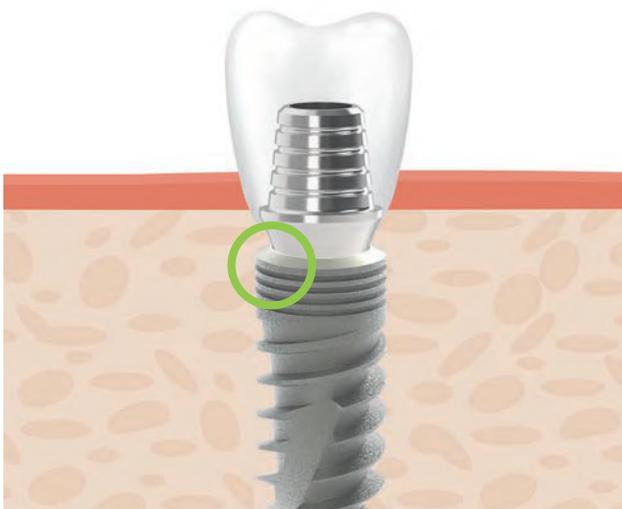
IMPLANT SYSTEM: PLATFORM SWITCH

Platform switching is a generic term used to describe abutment diameter that is smaller than the implant seating surface diameter.

Research has shown that reducing the diameter of the abutment relative to the diameter of the implant results in greater alveolar bone preservation.¹ The microgap created at the implant-abutment junction creates the potential for inflammatory cell infiltrate.

By moving the implant-abutment junction away from the edge of the platform and surrounding crestal bone, the risk of inflammation to adjoining tissue and resulting bone loss is reduced.

Furthermore, with a narrower abutment diameter, a portion of the implant seating surface is exposed allowing for soft tissue attachment to the implant fixture and reducing the potential for bone resorption.



With Platform Switch



Without Platform Switch

¹ Vigolo P, Givani A. Platform-switched restorations on wide-diameter implants: a 5-year clinical prospective study. *Int J Oral Maxillofac Implants.* 2009 Jan-Feb; 24(1):103-9

CONICAL IMPLANT VS. CONICAL CONNECTION

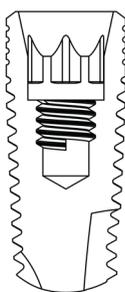
The descriptor “conical” is utilized in two different contexts in relation to Surgikor implants: A “conical implant” refers to an implant with a conically-shaped exterior. This implant shape is also referred to as “root form”.

The Surgikor Immediate™ and Fixation™ implants are both conical implants.

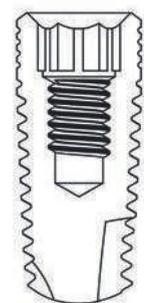


Conical shape

The term “conical connection” refers to the implant-abutment connection design. This connection type is internal. The Surgikor design employs an indexed deep conical connection. The result is an exceptionally stable restoration with a tight seal that assists in preventing microbial growth. All Surgikor implants are available with a conical connection. Versatile™ and Immediate™ are also available with a “friction fit” hex connection.



Conical connection



Hex connection

PROSTHETIC PLATFORMS

“Platform” refers to the width of the connection between the implant and the prosthetic. Surgikor offers six prosthetic platform options to accommodate our full range of implants:



Narrow - Conical

The 3.0 mm thru 3.5 mm diameter implants with a conical connection require Narrow platform prosthetics



Regular - Conical

The 3.75 mm to 4.3 mm implants with a conical connection require Regular platform prosthetics.



Regular Solution™ - Conical

Solution™ implants with a Regular platform require implant-specific Regular Solution™ prosthetics.



Wide - Conical

The 4.5 mm and higher implants with a conical connection require Wide platform prosthetics.



Wide Solution™ - Conical

Solution™ implants with a Wide platform require implant-specific Wide Solution™ prosthetics.



Hex

All Surgikor implants with a Hex connection utilize a single Regular prosthetic platform.

LABEL INFORMATION

The following is an example of a Surgikor implant and prosthetic packaging label, with a corresponding key to explain the information contained therein:

	Batch Code		Do not re-sterilize
REF	Catalog Number		Manufacturer
	Sterilized using irradiation		Do not use if package is damaged
	Do not re-use		Consult instructions for use
	Non-sterile		Caution

CATALOG NUMBERING CODE

For intuitive ordering and inventory management, each Surgikor implant is assigned a unique, seven-digit catalog number that allows for quick identification of the size and type of implant, along with prosthetic platform requirements.

The **first digit** designates the Surgikor implant model: **V = Versatile™**, **I = Immediate™**, **F = Fixation™** and **S5 = Solution™**.

The **second digit** indicates which prosthetic platform the implant requires: **N = Narrow Platform**, **R = Regular Platform**, and **W = Wide Platform**.

The **third digit** indicates whether the implant has a conical or hex connection: **C = Conical**, and **H = Hex**.

The **fourth and fifth** digits designate the **diameter** of the implant: For instance, an implant with a 4.2 mm diameter would have the numbers 4 and 2 in the fourth and fifth positions.

The **sixth and seventh** digits designate the length of the implant. For instance, an implant that is 11.5 mm long would have the numbers 1 and 1 in the sixth and seventh positions.

Example: IRC3710

I	=	Immediate
R	=	Regular
C	=	Conical Connection
37	=	3.75 Implant Diameter
10	=	10.00 mm Implant Length

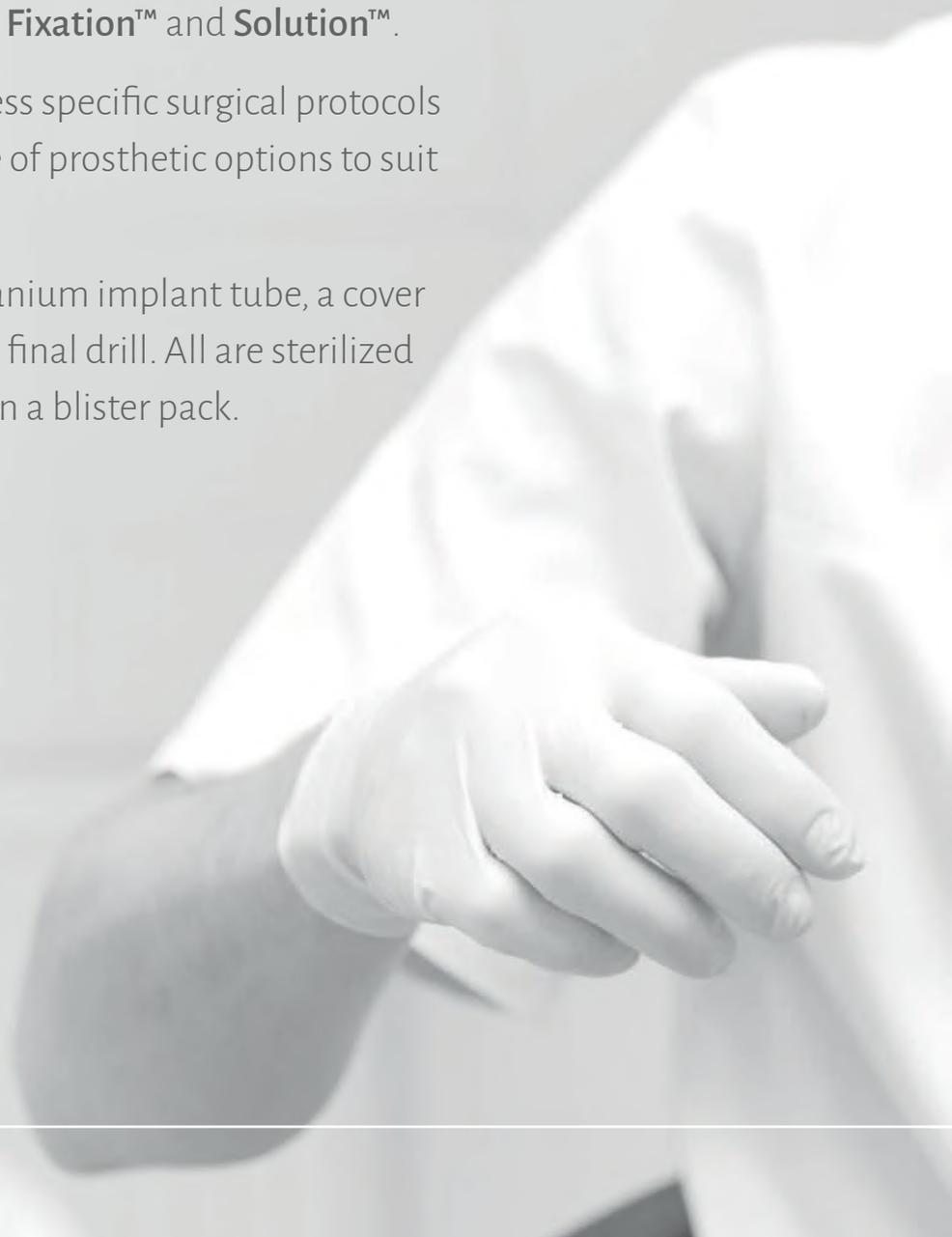
IMPLANTS

Choose from four different implant options:

Immediate™, **Versatile™**, **Fixation™** and **Solution™**.

Each is designed to address specific surgical protocols and all offer a wide range of prosthetic options to suit each individual need.

Implants all include a titanium implant tube, a cover screw, a clip-carrier and a final drill. All are sterilized and hermetically sealed in a blister pack.





THE VERSATILE™

Surgikor's Versatile™ is a platform-switched, slightly tapered implant design. The Versatile™ is offered with either a deep conical or Morse tapered hex connection, and accepts the full range of Surgikor prosthetic components. Ideally suited for dense bone applications but appropriate for all types of bone. Mid-body and coronal thread pattern is flattened to maximize resistance to shearing forces once the implant has integrated with the surrounding bone. Apical threads are self-tapping, allowing for optimal surgical flexibility. The rounded apex and narrow thread pitch facilitate placement and offer precise torque control in denser bone volumes.

Versatile™ with Conical Connection



Diameter in mm			8.0	10.0	11.5	13.0	16.0	18.0	20.0
REGULAR	3.5	●		•	•	•	•		
	3.75	●	•	•	•	•	•		
WIDE	4.2	●	•	•	•	•	•	•	•
	4.5	●	•	•	•	•	•		
	5.0	●	•	•	•	•	•		
	6.0	●	•	•	•	•	•		

Versatile™ with Hex Connection



Diameter in mm			8.0	10.0	11.5	13.0	16.0	18.0	20.0
REGULAR	3.5	●		•	•	•	•		
	3.75	●	•	•	•	•	•		
	4.2	●	•	•	•	•	•	•	•
	4.5	●	•	•	•	•	•		
	5.0	●	•	•	•	•	•		
	6.0	●	•	•	•	•	•		

DRILLING

Three consistent steps for Surgikor implant drilling:

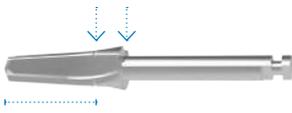
1. The last common straight drill is between 0.1mm and 0.5mm less than the apical diameter of the implant. That drill color and the implant it works with are color matched.
2. The provided final shaped drill will enlarge the coronal portion of the osteotomy by ~ 0.7mm and the apical portion to an amount specific to the implant type: 0.25 for the Versatile™. The entire osteotomy will be only 0.25mm narrower for the Versatile™. The final shaped drills are drill stopped, and have a 1.5 mm hash mark apical to the drill stop for soft bone.
3. The coronal portion of the osteotomy will be shaped by the counter sink specific to the implant.

Drill Speed (rpm)		700-900	50	50	50	50	50	50	50
Drill Diameter (mm)		1.4	2.0	2.5	3.0	3.5	4.0	4.5	5.0
REGULAR	3.5	•	•	●					
	3.75	•	•	●					
WIDE	4.2	•	•	•	●				
	4.5	•	•	•	•	●			
	5.0	•	•	•	•	•	●		
	6.0	•	•	•	•	•	•	•	●

See next page for drilling sequences

Bone Type

* Final Drill with Drill Level
Type 3 and 4 Type 1 and 2



Counter-sink design

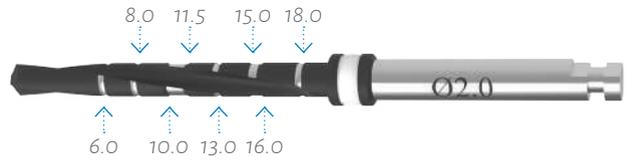
* Counter-Sink

Optional use for Type 1 and 2
Must be used in Type 3 and 4



Drill Length

* Straight Drills



Implant \varnothing 3.5 mm



Implant \varnothing 3.75 mm



Implant \varnothing 4.2 mm



Implant ø 4.5 mm



Implant ø 5.0 mm



Implant ø 6.0 mm



THE IMMEDIATE™

The Immediate™ utilizes a platform-switched, root-form design that is ideally suited for both immediate load applications and insertion into fresh extraction sockets. The wide thread pitch of the Immediate™ is well-matched with less dense bone volumes. Additionally, the flat apex and solid anchor in softer bone makes it an excellent choice for impacting the maxillary sinus floor for “sinus bump” procedures. It is offered with either a deep conical or Morse tapered hex connection and accepts the full range of Surgikor prosthetic components.

Immediate™ with Conical Connection



			6.0 mm	8.0 mm	10 mm	11.5 mm	13 mm	16 mm
REGULAR	3.5	●			•	•	•	•
	3.75	●		•	•	•	•	•
WIDE	4.2	●		•	•	•	•	•
	4.5	●	•	•	•	•	•	•
	5.0	●	•	•	•	•	•	•
	6.0	●	•	•	•	•	•	•
	7.0	●	•	•	•			

Immediate™ with Hex Connection



			6.0 mm	8.0 mm	10 mm	11.5 mm	13 mm	16 mm
REGULAR	3.5	●		•	•	•	•	•
	3.75	●		•	•	•	•	•
	4.2	●		•	•	•	•	•
	4.5	●	•	•	•	•	•	•
	5.0	●	•	•	•	•	•	•
	6.0	●	•	•	•			
	7.0	●	•	•	•			

DRILLING

Three consistent steps for Surgikor implant drilling:

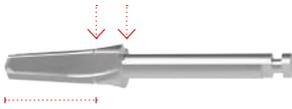
1. The last common straight drill is between 0.1mm and 0.5mm less than the apical diameter of the implant. That drill color and the implant it works with are color matched.
2. The provided final shaped drill will enlarge the coronal portion of the osteotomy by ~ 0.7mm and the apical portion to an amount specific to the implant type: 0-0.5 for the Immediate™. The entire osteotomy will be only 0.5 narrower for the Immediate™. The final shaped drills are drill stopped, and have a 1.5 mm hash mark apical to the drill stop for soft bone.
3. The coronal portion of the osteotomy will be shaped by the counter sink specific to the implant.

Drill Speed (rpm)		700-900	50	50	50	50	50	50	50	50
Drill Diameter (mm)		1.4	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
REGULAR	3.5	•	●							
	3.75	•	•	●						
WIDE	4.2	•	•	•	●					
	4.5	•	•	•	●					
	5.0	•	•	•	•	●				
	6.0	•	•	•	•	•	•	●		
	7.0	•	•	•	•	•	•	•	•	●

See next page for drilling sequences

Bone Type

* Final Drill with Drill Level
Type 3 and 4 Type 1 and 2



Counter-sink design

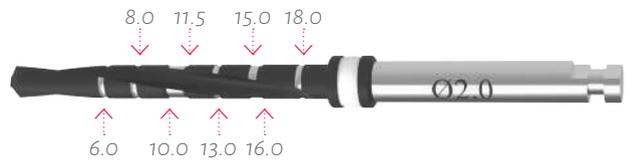
* Counter-Sink

Optional use for Type 1 and 2
Must be used in Type 3 and 4



Drill Length

* Straight Drills



Implant \varnothing 3.5 mm



Implant \varnothing 3.75 mm



Implant \varnothing 4.2 mm



Implant \varnothing 4.5 mm



Implant \varnothing 5.0 mm



Implant \varnothing 6.0 mm



Implant \varnothing 7.0 mm



THE FIXATION™

The Fixation™ offers platform-switch design in a classic root-form implant. It is a true subcrestal design.

Its wide thread pitch allows for successful placement in less-dense bone volumes, and it is ideally suited for multi-unit immediate-load applications, insertion into fresh extraction sites, and anterior placements.

It is offered with a deep conical connection and accepts the full range of Surgikor prosthetic components.



Fixation™ with Conical Connection

			6.0 mm	8.5 mm	10 mm	11.5 mm	13 mm	15 mm	18 mm
NARROW	3.0	●			•	•	•	•	
REGULAR	3.5	●		•	•	•	•	•	•
WIDE	4.3	●		•	•	•	•	•	•
	5.0	●		•	•	•	•	•	•

DRILLING

Three consistent steps for Surgikor implant drilling:

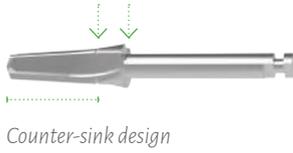
1. The last common straight drill is between 0.1mm and 0.5mm less than the apical diameter of the implant. That drill color and the implant it works with are color matched.
2. The provided final shaped drill will enlarge the coronal portion of the osteotomy by ~ 0.7mm and the apical portion to an amount specific to the implant type: 0- 0.5 for the Fixation™. The entire osteotomy will be only 0.5 narrower for the Fixation™. The final shaped drills are drill stopped, and have a 1.5 mm hash mark apical to the drill stop for soft bone.
3. The coronal portion of the osteotomy will be shaped by the counter sink specific to the implant.

Drill Speed (rpm)		700-900	50	50	50	50
Drill Diameter (mm)		1.4	2.0	2.5	3.0	3.5
NARROW	3.0	●				
REGULAR	3.5	•	●			
WIDE	4.3	•	•	•	●	
	5.0	•	•	•	•	●

See next page for drilling sequences

Bone Type

* Final Drill with Drill Level
Type 3 and 4 Type 1 and 2



* Counter-Sink

Optional use for Type 1 and 2
Must be used in Type 3 and 4



Drill Length

* Straight Drills



Implant \varnothing 3.0 mm



Implant \varnothing 3.5 mm



Implant \varnothing 4.3 mm



Implant \varnothing 5.0 mm



THE SOLUTION™

Precisely manufactured with dense bone volumes in mind, the Solution™ is equipped with a deep conical connection and a slightly switched platform. It is a true subcrestal design.

The apical end is flattened to enhance primary stability and its thread pattern is self-tapping, offering optimal surgical flexibility. The mid- and coronal thread patterns are flattened to maximize resistance to shear forces.

The Solution™ accepts a broad range of Surgikor prosthetic options to meet a plethora of aesthetic and restorative needs.



Solution™ with Conical Connection

		7.0 mm	8.5 mm	10 mm	11.5 mm	13 mm	15 mm	16 mm
REGULAR	3.5	●		•	•	•	•	•
	4.0	●	•	•	•	•	•	•
WIDE	4.5	●	•	•	•	•	•	•
	5.0	●	•	•	•	•	•	•
	6.0	●		•	•	•		

DRILLING

Three consistent steps for Surgikor implant drilling:

1. The last common straight drill is between 0.1mm and 0.5mm less than the apical diameter of the implant. That drill color and the implant it works with are color matched.
2. The provided final shaped drill will enlarge the coronal portion of the osteotomy by ~ 0.7mm and the apical portion to an amount specific to the implant type: 0- 0.5 for the Solution™. The entire osteotomy will be only 0.5 narrower for the Solution™. The final shaped drills are drill stopped, and have a 1.5 mm hash mark apical to the drill stop for soft bone.
3. The coronal portion of the osteotomy will be shaped by the counter sink specific to the implant.

Drill Speed (rpm)	700-900	50	50	50	50	50
Drill Diameter (mm)	1.4	2.0	2.5	3.0	3.5	4.0

REGULAR	3.5	•	•	●		
	4.0	•	•	•	●	
WIDE	4.5	•	•	•	•	●
	5.0	•	•	•	•	•

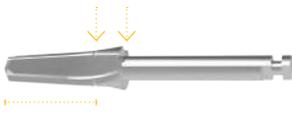
Prosthetic Selection for Solution

Prosthetic Platform		Narrow - Conical	Regular Solution™ - Conical	Wide Solution™ - Conical
Solution Implant				
REGULAR SOLUTION™ - CONICAL	3.5 - 4.0		●	
WIDE SOLUTION™ - CONICAL	4.5 - 5.0			●

See next page for drilling sequences

Bone Type

* Final Drill with Drill Level
Type 3 and 4 Type 1 and 2



Counter-sink design

* Counter-Sink

Optional use for Type 1 and 2
Must be used in Type 3 and 4



Drill Length

* Straight Drills



Implant \varnothing 3.0 mm



Implant \varnothing 3.5 mm



Implant ø 4.0 mm



Implant ø 4.5 mm



Implant ø 5.0 mm





PROSTHETICS

Surgikor offers a full range of prosthetic options for implants with both Conical and Hex connections. Choose from prosthetic platforms in either Narrow, Regular, Regular Solution, Wide or Wide Solution for Conical connections, and Regular for Hex connections.

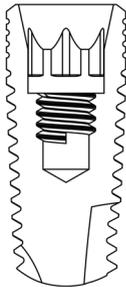


CONICAL VS. HEX CONNECTION

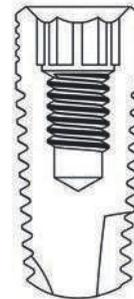
A Conical connection refers to the interior structure of the implant, wherein the cavity features deep, cone-shaped grooves that correspond with complementary prosthetics with matching cone-shaped convexities.

In implants with a Hex connection, the prosthetic and implant have corresponding hexagonal shapes that fit together, with no conical grooves.

The advantage of a Conical connection is that it provides for superior stability of the restoration, precise prosthetic placement, reduction of micro-movements and decreased bone-loss and implant failure.



Conical connection



Hex connection

COLOR-CODING

All Conical connection implants accept prosthetics in **Narrow, Regular, Regular Solution, Wide or Wide Solution platforms**. Hex connection implants accept Regular platform prosthetics only.

Every prosthetic, from angled abutments to Titanium Healing abutments, will include a color-coded insignia to indicate the type of connection (Conical or Hex) and in the case of Conical connections, the width of the platform (Narrow, Regular, Regular Solution, Wide or Wide Solution). This facilitates effortless matching of implants with the correct prosthetics and accessories.



Narrow - Conical



Regular - Conical



Regular Solution™ - Conical



Wide - Conical



Wide Solution™ - Conical



Hex

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CEMENTABLE RESTORATIONS

Final Abutment



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TITANIUM HEALING ABUTMENT

The healing abutment is set on the implant after it has been exposed, and remains in the jaw until the soft tissue heals. Its function is to prepare the site for placing the prosthetic device and creates optimal soft tissue healing. Healing abutment height is determined by the gingival collar height.

- Available in Conical and Hex connections
- Compatible with the full range of Surgikor implants
- Tightening torque 5-8 NCm

Conical Connection



	HC	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm	7.0 mm
Narrow	3.0	•	•	•	•	•	•
Regular	3.5	•	•	•	•	•	•
Regular Solution	3.5	•	•	•	•	•	•
Wide	4.3	•	•	•	•	•	•
Wide Solution	4.3	•	•	•	•	•	•

Hex Connection



	HC	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm	7.0 mm
Narrow Emergence	3.75	•	•	•	•	•	•
Regular Emergence	3.75	•	•	•	•	•	•
Wide Emergence	3.75	•	•	•	•	•	

IMPRESSION TRANSFER

Copings designed for both closed and open tray impressions. Composed of stainless steel.



Conical Connection

Closed Tray	ITC	9.0 mm	15.0 mm
Narrow	3.0	•	•
Regular	3.5	•	•
Regular Solution	3.5	•	•
Wide	4.3	•	•
Wide Solution	4.3	•	•

Open Tray	ITO	9.0 mm	15.0 mm
Narrow	3.0	•	•
Regular	3.5	•	•
Regular Solution	3.5	•	•
Wide	4.3	•	•
Wide Solution	4.3	•	•

9mm  Conical Connection Close Tray Screw:

- SCCNcl - Narrow
- SCCRcl - Regular
- SCCWcl - Wide

16mm  Conical Connection Open Tray Screw:

- SCCNop - Narrow
- SCCRop - Regular
- SCCWop - Wide

Hex Connection

Closed Tray	ITC	9.0 mm	15.0 mm
Narrow Emergence	3.75	•	•
Regular	3.75	•	•

Open Tray	ITO	9.0 mm	15.0 mm
Narrow Emergence	3.75	•	•
Regular	3.75	•	•

9mm  Hex Connection Close Tray Screw:

- SCHcl - Regular

16mm  Hex Connection Open Tray Screw:

- SCHop - Regular

SIMPLE TRANSFER

Allows for a one-piece impression transfer. The transfers simply un-clip from the implant fixture after the impression is taken. Ideal for impressions of posterior teeth with limited space.

- Press fit
- Closed Tray
- Made of Ti-6AL4V-ELI (Grade 23)
- Suitable for parallel implant only

Conical Connection

	CLT	9.0 mm	15.0 mm
Narrow	3.0	•	•
Regular	3.5	•	•
Regular Solution	3.5	•	•
Wide	4.3	•	•
Wide Solution	4.3	•	•

Hex Connection

	CLT	9.0 mm	15.0 mm
Narrow Emergence	3.75	•	•
Regular	3.75	•	•



IMPLANT ANALOG

For use in fabrication of the laboratory prosthetic. Available in Conical Narrow, Regular and Wide platforms, and Hex Regular platform.

- Laboratory Analog
- Composed of Stainless Steel

Conical Connection

	AN	10.0 mm
Narrow	4.0	•
Regular	5.0	•
Regular Solution	5.0	•
Wide	6.0	•
Wide Solution	6.0	•

Hex Connection

	AN	10.0 mm
Narrow Emergence	4.0	•
Regular Emergence	5.0	•
Wide Emergence	6.0	•



TEMPORARY SNAP-IN ABUTMENT

Allows for temporary restoration with a titanium abutment and corresponding plastic cap attached with a single snap. The caps are available in three levels of rigidity: Hard, Medium and Soft.



- Plastic caps are made of Delrin®.
- Available in Conical and Hex connections.
- Immediate loading if appropriate

Conical Connection

	TAB	1.0 mm	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm	7.0 mm
Narrow	3.0	•	•	•	•	•	•	•
Regular	3.5	•	•	•	•	•	•	•
Regular Solution	3.5	•	•	•	•	•	•	•
Wide	4.3	•	•	•	•	•	•	•
Wide Solution	4.3	•	•	•	•	•	•	•

Hex Connection

	TAB	1.0 mm	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm	7.0 mm
Regular	3.75	•	•	•	•	•	•	•

Plastic Cap



TABPC	DESCRIPTION
Hard	Gray plastic cap, hard rigidity, fits on temporary abutment, Delrin® material
Medium	White plastic cap, medium rigidity, fits on temporary abutment, Delrin® material
Soft	Red plastic cap, soft rigidity, fits on temporary abutment, Delrin® material

PEEK STRAIGHT ANATOMIC ABUTMENT

PEEK Straight Anatomic Abutment is specifically designed for dental use combining durability and adaptability for superior interim restoration fabrication.

- Bio-compatible
- High-grade Thermoplastic Polymer
- Maximum recommended torque is 15 Ncm



Conical Connection

	PKS	1.0 mm	2.0 mm	3.0 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

Hex Connection

	PKS	1.0 mm	2.0 mm	3.0 mm
Regular	3.75	•	•	•



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



Hex Connection Tray Screw:

- SCHr - Regular

PEEK ANGLED ANATOMIC ABUTMENT

PEEK Angled Anatomic Abutment is specifically designed for dental use combining durability and adaptability for superior interim restoration fabrication.

- Bio-compatible
- High-grade Thermoplastic Polymer
- Maximum recommended torque is 15 Ncm



Conical Connection

15° ANGLED	PKS15	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

25° ANGLED	PKS25	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

Hex Connection

15° ANGLED	PKS15	1 mm	2 mm	3 mm
Regular	3.75	•	•	•

25° ANGLED	PKS25	1 mm	2 mm	3 mm
Regular	3.75	•	•	•

2 mm  Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide

2 mm  Hex Connection Tray Screw:

- SCHr - Regular

PLASTIC SLEEVE

Plastic Sleeve is intended for laboratory casting.

- Available in Conical and Hex connections.
- Hex connection for a single implant or bridge application
- Without Hex for connected multi-unit restoration
- Wide-body sleeve can be used for platform switch



Conical Connection

	PS	9.0 mm	15.0 mm
Narrow	3.0	•	•
Regular	3.5	•	•
Regular Solution	3.5	•	•
Wide	4.3	•	•
Wide Solution	4.3	•	•

Hex Connection

	PS	9.0 mm	15.0 mm
Regular	3.75	•	•

2 mm  Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide

2 mm  Hex Connection Tray Screw:

- SCHr - Regular

6 mm  Conical Connection Tray Screw:

- SCCNlo - Narrow
- SCCRlo - Regular
- SCCWlo - Wide

6 mm  Hex Connection Tray Screw:

- SCHRlo - Regular

STRAIGHT ANATOMIC PLASTIC SLEEVE

Straight Anatomic Plastic Sleeve is intended for laboratory casting.

- Available in Conical and Hex connections.
- Hex connection for a single implant or bridge application
- Without Hex for connected multi-unit restoration
- Wide-body sleeve can be used for platform switch
- Composed of red Delrin®
- Non-threaded



Conical Connection

	PSS	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

Hex Connection

	PSS	1 mm	2 mm	3 mm
Regular	3.75	•	•	•

2 mm



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide

2 mm



Hex Connection Tray Screw:

- SCHr - Regular

6 mm



Conical Connection Tray Screw:

- SCCNlo - Narrow
- SCCRlo - Regular
- SCCWlo - Wide

6 mm



Hex Connection Tray Screw:

- SCHRlo - Regular

ANGLED ANATOMIC PLASTIC SLEEVE

Angled Anatomic Plastic Sleeve is intended for laboratory casting.

- Hex connection for a single implant or bridge application
- Without Hex for connected multi-unit restoration
- Wide-body sleeve can be used for platform switch
- Composed of red Delrin® and Non-threaded



Conical Connection

15° ANGLED	PSS15	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

25° ANGLED	PSS25	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

Hex Connection

15° ANGLED	PSS15	1.0 mm	2.0 mm	3.0 mm
Regular	3.75	•	•	•

25° ANGLED	PSS25	1.0 mm	2.0 mm	3.0 mm
Regular	3.75	•	•	•



2 mm Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



2 mm Hex Connection Tray Screw:

- SCHr - Regular

CAST-TO ABUTMENT



Cast-To Abutments are for precision connection implants. Available in Titanium Indexed, Gold Non-Indexed, Gold Indexed, Chrome-Cobalt Non-Indexed, and Chrome-Cobalt Indexed.

Titanium Cast-To Abutment

CONICAL	UCLATI	11.0 mm	HEX	UCLATI	11.0 mm
Narrow	3.0	•	Regular	3.75	•
Regular	3.5	•			
Regular Solution	3.5	•			
Wide	4.3	•			
Wide Solution	4.3	•			

Gold Non-Indexed Cast-To Abutment

CONICAL	UCLAGO	11.0 mm	HEX	UCLAGO	11.0 mm
Narrow	3.0	•	Regular	3.75	•
Regular	3.5	•			
Regular Solution	3.5	•			
Wide	4.3	•			
Wide Solution	4.3	•			

Gold-Indexed Cast-To Abutment

CONICAL	UCLAGI	11.0 mm	HEX	UCLAGI	11.0 mm
Narrow	3.0	•	Regular	3.75	•
Regular	3.5	•			
Regular Solution	3.5	•			
Wide	4.3	•			
Wide Solution	4.3	•			

Chrome-Cobalt Non-Indexed

CONICAL	UCLACI	11.0 mm
Narrow	3.0	•
Regular	3.5	•
Regular Solution	3.5	•
Wide	4.3	•
Wide Solution	4.3	•

HEX	UCLACI	11.0 mm
Regular	3.75	•

Chrome-Cobalt Indexed

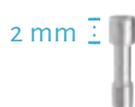
CONICAL	UCLACO	11.0 mm
Narrow	3.0	•
Regular	3.5	•
Regular Solution	3.5	•
Wide	4.3	•
Wide Solution	4.3	•

HEX	UCLACO	11.0 mm
Regular	3.75	•



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



Hex Connection Tray Screw:

- SCHr - Regular



Conical Connection Tray Screw:

- SCCNlo - Narrow
- SCCRlo - Regular
- SCCWlo - Wide



Hex Connection Tray Screw:

- SCHRlo - Regular

STRAIGHT TITANIUM ABUTMENT

Straight Titanium Abutment is for permanent restoration and compatible with all platforms.

- Hex and Conical connection for cementable permanent restoration
- Regular non-shouldered
- Constructed of Titanium Ti-6AL4V-ELI (Grade 23)
- Maximum recommended torque is 30 Ncm



Regular

CONICAL		NS	5.0 mm	7.0 mm	9.0 mm	12.0 mm	15.0 mm
Narrow	3.0	•	•	•	•	•	•
Regular	3.5	•	•	•	•	•	•
Regular Solution	3.5	•	•	•	•	•	•
Wide	4.3	•	•	•	•	•	•
Wide Solution	4.3	•	•	•	•	•	•
HEX		NS	5.0 mm	7.0 mm	9.0 mm	12.0 mm	15.0 mm
Regular	3.75	•	•	•	•	•	•

Narrow Emergence

CONICAL	NSN	5.0 mm	7.0 mm	9.0 mm	12.0 mm	15.0 mm
Narrow	3.0	•	•	•		
Regular	3.5	•	•	•		
Regular Solution	3.5	•	•	•		
Wide	4.3	•	•	•		
Wide Solution	4.3	•	•	•		

HEX	NSN	5.0 mm	7.0 mm	9.0 mm	12.0 mm	15.0 mm
Regular	3.75	•	•	•		

Wide Emergence

CONICAL	NSN	5.0 mm	7.0 mm	9.0 mm	12.0 mm	15.0 mm
Narrow	3.0			•	•	
Regular	3.5			•	•	
Regular Solution	3.5			•	•	
Wide	4.3			•	•	
Wide Solution	4.3			•	•	

HEX	NSN	5.0 mm	7.0 mm	9.0 mm	12.0 mm	15.0 mm
Regular	3.75			•	•	



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



Hex Connection Tray Screw:

- SCHr - Regular



Conical Connection Tray Screw:

- SCCNlo - Narrow
- SCCRlo - Regular
- SCCWlo - Wide



Hex Connection Tray Screw:

- SCHRlo - Regular

ANGLED TITANIUM ABUTMENT

Angled Titanium Abutment is designed for non-parallel implant permanent restoration.

- Hex and Conical connection for cementable permanent restoration
- Regular non-shouldered
- Constructed of Titanium Ti-6AL4V-ELI (Grade 23)
- Maximum recommended torque is 30 Ncm



Conical Connection

15° ANGLED	NS15	9 mm	11 mm	13 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

25° ANGLED	NS25	9 mm	11 mm	13 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

Hex Connection

15° ANGLED	NS15	9 mm	11 mm	13 mm
Regular	3.75	•	•	•

25° ANGLED	NS25	9 mm	11 mm	13 mm
Regular	3.75	•	•	•

Conical Connection - Narrow Emergence

15° ANGLED	NSN15	9 mm	11 mm	13 mm
Narrow	3.0	•		
Regular	3.5	•		
Regular Solution	3.5	•		
Wide	4.3	•		
Wide Solution	4.3	•		

25° ANGLED	NSN25	9 mm	11 mm	13 mm
Narrow	3.0	•		
Regular	3.5	•		
Regular Solution	3.5	•		
Wide	4.3	•		
Wide Solution	4.3	•		

Hex Connection - Narrow Emergence

15° ANGLED	NS15	9 mm	11 mm	13 mm
Regular	3.75	•	•	•

25° ANGLED	NS25	9 mm	11 mm	13 mm
Regular	3.75	•	•	•



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



Hex Connection Tray Screw:

- SCHr - Regular

STRAIGHT ANATOMIC ABUTMENT

Straight Anatomic Abutment is designed to follow the shape of the gum line.

- Hex and Conical connection for cementable permanent restoration
- Constructed of Titanium Ti-6AL4V-ELI (Grade 23)
- Maximum recommended torque is 30 Ncm



Regular Emergence

CONICAL	S	1.0 mm	2.0 mm	3.0 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

HEX	S	1.0 mm	2.0 mm	3.0 mm
Regular	3.75	•	•	•



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



Hex Connection Tray Screw:

- SCHr - Regular

Wide Emergence

CONICAL	SW	1.0 mm	2.0 mm	3.0 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

HEX	SW	1.0 mm	2.0 mm	3.0 mm
Regular	3.75	•	•	•

6 mm



Conical Connection Tray Screw:

- SCCNlo - Narrow
- SCCRlo - Regular
- SCCWlo - Wide

6 mm



Hex Connection Tray Screw:

- SCHRlo - Regular

ANGLED ANATOMIC ABUTMENT

Angled Anatomic Abutment is designed to follow the shape of the gum line.

- Conical and Hex Connection for cementable permanent restoration
- Constructed of Titanium Ti-6AL4V-ELI (Grade 23)
- Maximum recommended torque is 30 Ncm



Conical Connection

15° ANGLED	S15	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

Hex Connection

15° ANGLED	S15	1 mm	2 mm	3 mm
Regular	3.75	•	•	•

25° ANGLED	S25	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

25° ANGLED	S25	1 mm	2 mm	3 mm
Regular	3.75	•	•	•

30° ANGLED	S30	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



Hex Connection Tray Screw:

- SCHr - Regular

ZIRCONIUM ANATOMIC ABUTMENT

Zirconium Anatomic Abutment is ideally suited for aesthetics. Constructed of Zirconium with a Titanium base, Ti-6AL4V-ELI (Grade 23), for a precision fit.

- Straight abutment
- Maximum recommended torque is 25 -28Ncm



Conical Connection

	HZ	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

Hex Connection

	HZ	1 mm	2 mm	3 mm
Regular	3.75	•	•	•



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



Hex Connection Tray Screw:

- SCHr - Regular

ANGLED ZIRCONIUM ABUTMENT



Angled Zirconium Abutment is ideally suited for aesthetics. Constructed of Zirconium with a Titanium base, Ti-6AL4V-ELI (Grade 23), for a precision fit.

- Angled abutment
- Maximum recommended torque is 25-28 Ncm

Conical Connection

15° ANGLED	HZ15	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

25° ANGLED	HZ25	1 mm	2 mm	3 mm
Narrow	3.0	•	•	•
Regular	3.5	•	•	•
Regular Solution	3.5	•	•	•
Wide	4.3	•	•	•
Wide Solution	4.3	•	•	•

Hex Connection

15° ANGLED	HZ15	1 mm	2 mm	3 mm
Regular	3.75	•	•	•

25° ANGLED	HZ25	1 mm	2 mm	3 mm
Regular	3.75	•	•	•



Conical Connection Tray Screw:

- SCCNr - Narrow
- SCCRr - Regular
- SCCWr - Wide



Hex Connection Tray Screw:

- SCHr - Regular

CAD/CAM ABUTMENT

Computer-aided designed and manufactured abutments that provide for precise anatomical shape and emergent profile for superior restorations.

Titanium Base

CONICAL	Indexed		Non-Indexed		Solution Indexed		Solution Non-Indexed	
Narrow	TBACN-1		TBACN-o					
Regular	TBACR-1		TBACR-o		TBACR-S1		TBACR-So	
Wide	TBACW-1		TBACW-o		TBACW-S1		TBACW-So	
HEX	Indexed		Non-Indexed					
Regular	TBAHR-1		TBAHR-o					

Scan Abutment

CONICAL

Indexed

Solution Indexed

Narrow

SACN-1



Regular

SACR-1



SACR-S



Wide

SACW-1



SACW-S



HEX

Indexed

Regular

SAHR-1



MULTI-UNIT ADAPTOR

Regular

SAMU-o



STRAIGHT MULTI-UNIT ABUTMENT

Straight Multi-Unit Abutments are designed for remediation of multiple non-parallel implants in bar and bridge scenarios.

- Compatible with Conical Narrow, Regular, Wide and Hex platforms
- Constructed of Titanium Ti-6AL4V-ELI (Grade 23)
- Maximum recommended torque is 30 Ncm



Conical Connection

	MU	1.0 mm	2.0 mm	3.0 mm	4.0 mm
Narrow	Straight	•	•	•	•
Regular	Straight	•	•	•	•
Regular Solution	Straight	•	•	•	•
Wide	Straight	•	•	•	•
Wide Solution	Straight	•	•	•	•

Hex Connection

	MU	1.0 mm	2.0 mm	3.0 mm	4.0 mm
Regular	Straight	•	•	•	•

Straight Multi-Unit Abutment Hand Driver

	NUMBER		DESCRIPTION
Regular	SMUK242		Hand Driver for Straight Multi-Unit Abutment

ANGLED MULTI-UNIT ABUTMENT

Angled Multi-Unit Abutments are designed for remediation of multiple non-parallel implants in bar and bridge scenarios.

- Available in 18° and 30° Angled connection.
- Compatible with Conical Narrow, Regular, Wide and Hex platforms
- Constructed of Titanium Ti-6AL4V-ELI (Grade 23)
- Maximum recommended torque is 30 Ncm



Conical Connection

	MU	1.0 mm	2.0 mm	3.0 mm	4.0 mm
Narrow	18°	•	•	•	•
	30°	•	•	•	•
Regular	18°	•	•	•	•
	30°	•	•	•	•
Regular Solution	18°	•	•	•	•
	30°	•	•	•	•
Wide	18°	•	•	•	•
	30°	•	•	•	•
Wide Solution	18°	•	•	•	•
	30°	•	•	•	•

Hex Connection

	MU	1.0 mm	2.0 mm	3.0 mm	4.0 mm
Regular	18°	•	•	•	•
	30°	•	•	•	•

MULTI-UNIT ABUTMENT COMPONENTS

Plastic Sleeve



CONICAL	PSAD	10.0 mm	12.0 mm
Narrow	4.5	•	
Regular	4.5	•	
Regular Solution	4.5	•	
Wide	4.5	•	
Wide Solution	4.5	•	
HEX	PSAD	10.0 mm	12.0 mm
Regular	4.5	•	

Gold Sleeve



CONICAL	GSAD	10.0 mm	12.0 mm
Narrow	4.5	•	
Regular	4.5	•	
Regular Solution	4.5	•	
Wide	4.5	•	
Wide Solution	4.5	•	
HEX	GSAD	10.0 mm	12.0 mm
Regular	4.5	•	

Titanium Sleeve



CONICAL	TSAD	10.0 mm	12.0 mm
Narrow	4.5	•	
Regular	4.5	•	
Regular Solution	4.5	•	
Wide	4.5	•	
Wide Solution	4.5	•	

HEX	TSAD	10.0 mm	12.0 mm
Regular	4.5	•	

Multi Unit Carrier

CONICAL	MUCA	Number	
Narrow	4.5	MUCAoCN	
Regular	4.5	MUCAoCR	
Regular Solution	4.5	MUCAoCW	
Wide	4.5	MUCASCR	
Wide Solution	4.5	MUCASCW	

HEX	MUCA	Number	
Regular	4.5	MUCAooH	

Additional Multi Unit Parts

	Number		Impression Transfer	Number	
Healing Abutment	MUHC001		Open Tray with Screw	MUIT001	
Multi-Unit Analog	MUAN001		Closed Tray with Screw	MUIT002	

BALL ATTACHMENT ABUTMENT

Ball Attachments are designed to connect a removable prosthesis to an implant.

- Compatible with all platforms
- Available in six different heights.
- Constructed of Titanium Ti-6AL4V-ELI (Grade 23)
- Maximum recommended torque is 30 Ncm



Conical Connection

	BATSC	1.0 mm	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm
Narrow	3.0	•	•	•	•	•	•
Regular	3.5	•	•	•	•	•	•
Regular Solution	3.5	•	•	•	•	•	•
Wide	4.3	•	•	•	•	•	•
Wide Solution	4.3	•	•	•	•	•	•

Hex Connection

	BATSC	1.0 mm	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm
Regular	3.75	•	•	•	•	•	•

Caps for Ball Attachment Abutment

	Diameter			Material
BATMC	5.0		Metal Cap	Ti-6AL4V-ELI
BATSC1	4.0		Hard – Gray	Silicone
BATSC2	4.0		Medium – White	Silicone
BATSC3	4.0		Soft – Red	Silicone
BATP			Protective Disc	Silicone

ZEST® LOCATOR® ABUTMENT

Zest® LOCATOR® Abutment is ideally suited for use with removable prosthesis.

- Low profile
- Dual retention
- Range of divergence
- Self-aligning



Conical Connection

	MU		0 mm	1.0 mm	2.5 mm	3.5 mm	4.5mm	5.5mm	6.5mm
Regular	3.75	Straight	•	•	•	•	•	•	•

Hex Connection

	MU		0 mm	1.0 mm	2.5 mm	3.5 mm	4.5mm	5.5mm	6.5mm
Regular	3.75	Straight	•	•	•	•	•	•	•

Locator Retention



1.5 lbs



3 lbs



5 lbs

Locator Extended Range



0 lbs



1 lbs



2 lbs



4 lbs

Allows for insertion with up to 40° total divergence

Zest Locator Abutment Components



Metal Cap



Protective Disk



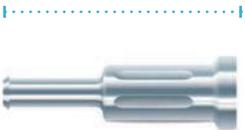
Analog



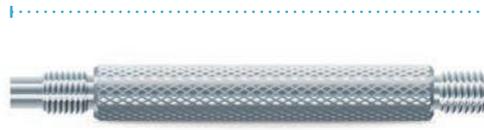
Impression Coping

Locator Tools

Removal Tool



Insertion Tool



Abutment Driver and Sleeve



1 Removal

The Insert Removal Tool has a sharp edge on the end to engage and remove the insert from the Denture Attachment Housing.

2 Insertion

The Insert Seating Tool is used to seat the Locator Insert.

3 Placement

The Abutment Driver with the Abutment Holder Sleeve carries the Abutment securely and places it onto the implant.

Zest Locator Driver



15 mm



20 mm

ABUTMENT SCREWS

Surgikor screws are forged rather than milled, with precise thread-forming processes that prevent deformed threads and screw breakage, common issues with milled screws. Finished in a pressurized and heated environment to further bond their molecular structure, Surgikor screws are exceedingly strong and surgically precise.

Screws for Abutment

CONICAL		Number	
Abutment Screw for Narrow	M 1.4	SCCNr	
Abutment Screw for Regular	M 1.6	SCCRr	
Abutment Screw for Wide	M 2.0	SCCWr	

HEX		Number	
Abutment Screw for Regular	1-72UNF	SCHr	

Screws for Open Tray Transfer

CONICAL		Short	Long
Screw for Open Tray Transfer - Narrow	M 1.4	SCCNop 	SCCNlo 
Screw for Open Tray Transfer - Regular	M 1.6	SCCRop 	SCCRlo 
Screw for Open Tray Transfer - Wide	M 2.0	SCCWop 	SCCWlo 

HEX		Short	Long
Screw for Open Tray Transfer - Hex	1-72UNF	SCHop 	SCHRlo 

Screws for Close Tray Transfer

CONICAL		Number	
Screw for Close Tray Transfer - Narrow	M 1.4	SCCNcl	
Screw for Close Tray Transfer - Regular	M 1.6	SCCRcl	
Screw for Close Tray Transfer - Wide	M 2.0	SCCWcl	
HEX		Number	
Screw for Close Tray Transfer - Hex	1-72UNF	SCHcl	

Screws for Multi-Unit Abutment

CONICAL		Number	
Multi Unit Screw for Narrow	M 1.4	SCCNad	
Multi Unit Screw for Regular	M 1.6	SCCRad	
Multi Unit Screw for Wide	M 2.0	SCCWad	
HEX		Number	
Multi Unit Screw for HEX	1-72UNF	SCHad	

Screw for Multi-Unit Sleeve

		Number	
Abutment Short Screw & Multi-Unit Sleeve	M 1.4	SCCNsh	

Screws for Multi-Unit Impression Transfer

		Number	
Long Screw for Multi Unit Open Tray Transfer	M 1.4	SCMUop	
Long Screw for Multi Unit Close-Tray Transfer	M 1.4	SCMUcl	



SURGICAL TOOLS & INSTRUMENTS

Surgikor offers all of the surgical tools and instruments required for comprehensive implantology services. Drill kits, individual drills with or without irrigation, abutment and implant drivers, guided surgical kits, centrifuges and more.



SURGICAL KIT

A comprehensive kit that addresses a wide range of surgical needs and complements the full suite of Surgikor dental implants. Includes a ratchet wrench, depth-gauge, drill extender, alignment pins, spares and color-coded drills based on length for easy identification during surgical procedures.

- Implant Drivers for hex and conical connection, both wrench and handpiece-compatible
- Abutment Drivers for both wrench and handpiece
- Counter Sinks in 5 depths
- Compact storage case



PR

SURGICAL KIT

TSK-0001

DLC COATED STRAIGHT DRILLS

DLC Coating, or diamond-like carbon coating, ensures a hard, low-friction drill surface with high corrosion resistance. Straight drills are available in Lance, Pilot and Twist formats in a full-range of diameters.

DRILL	DIAMETER		
LANCE DRILL	1.4 mm		LD-14
PILOT DRILL	2.0 mm		TD-ST20
TWIST DRILL	2.5 mm		TD-ST25
	3.0 mm		TD-ST30
	3.5 mm		TD-ST35
	4.0 mm		TD-ST40
	4.5 mm		TD-ST45
	5.0 mm		TD-ST50
	5.5 mm		TD-ST55
	6.0 mm		TD-ST60

DRILL EXTENSION & COUNTER-SINK

The Drill Extension Bit adds length for precise drill and driver access in confined or hard-to-reach locations, and Counter-Sink Drills are offered in a range of diameters to accommodate a variety of implant widths.



Drill Extension Bit

DRILL

DEX-001

DLC Coated Counter-Sink

DRILL	DIAMETER		
COUNTER-SINK DRILL	3.5 mm		CSD35
	3.75 mm		CSD375
	4.3 mm		CSD43
	5.0 mm		CSD50
	6.0 mm		CSD60

ABUTMENT DRIVERS

For transfer of abutments from packaging to implant. Handpiece or manual abutment placement options, with or without swivel.

Abutment Driver with Swivel

	NUMBER		DESCRIPTION
SHORT	ADS-S172		Surgikor Design Abutment Driver (hand + ratchet) with Swivel
REGULAR	ADS-R172		Surgikor Design Abutment Driver (hand + ratchet) with Swivel

Handpiece Abutment Driver

	NUMBER		DESCRIPTION
SHORT	MMAD-S172		Handpiece abutment driver
REGULAR	MMAD-R172		Handpiece abutment driver

IMPLANT DRIVERS

For hex- and conical-connection implants. Connects directly with the implant for transfer to osteotomy site. Handpiece or manual placement driver options.



Hex Connection

	DIAMETER	NUMBER	DESCRIPTION
HAND DRIVER	10.0 mm	SPHDH-24220-10	With Peek Grip 2.42
	15.0 mm	SPHDH-24220-15	With Peek Grip 2.42
HANDPIECE DRIVER	21.0 mm	MMDH-24220-21	2.42
	26.0 mm	MMDH-24220-26	2.42

Conical Connection

	DIAMETER	NUMBER		DESCRIPTION
HAND DRIVER	10.0 mm	SPHDC-30020-10		3.0
	10.0 mm	SPHDC-RP020-10		RP
	10.0 mm	SPHDC-WP020-10		WP
	15.0 mm	SPHDC-30020-15		3.0
	15.0 mm	SPHDC-RP020-15		RP
	15.0 mm	SPHDH-24220-15		WP
HANDPIECE DRIVER	21.0 mm	MMDC-30020-21		3.0
	21.0 mm	MMDC-RP020-21		RP
	21.0 mm	MMDC-WP020-21		WP
	26.0 mm	MMDC-30020-26		3.0
	26.0 mm	MMDC-RP020-26		RP
	26.0 mm	MMDC-WP020-26		WP

ALIGNMENT PIN, DEPTH GAUGE & WRENCH

Alignment Pins offer both straight and angled visual guides during surgery. Angled available in both 15° and 25°. The Depth Gauge provides accurate osteotomy site depth verification, and the Wrench ensures precise torque for restorations.

Alignment Pin

NUMBER			NUMBER		
17 mm	PP-00		15° ANGLE	PP-15	
23 mm	PP-01		25° ANGLE	PP-25	

Depth Gauge

NUMBER	
STANDARD	DG-001



Torque Wrench

NUMBER	
STANDARD	RW-JG1



STRAIGHT DRILL STOPPER KIT

Straight drills with stopper collar allow for precise drilling depth, of particular importance in osteotomies proximal to nerve and sinus floor. Available in a range of depths and diameters.



Diameter		6.0 mm	8.0 mm	10 mm	11.5 mm	13 mm
2.0 mm		•	•	•	•	•
2.5 mm		•	•	•	•	•
3.0 mm		•	•	•	•	•
3.5 mm		•	•	•	•	•
4.0 mm		•	•	•	•	•
4.5 mm		•	•	•	•	•
5.0 mm		•	•	•	•	•

PR

STRAIGHT DRILLS WITH STOPPER

DSK-0001

BONE PROFILER AND BONE GUIDES

Designed to remove bone coronally to the implant shoulder in cases where implants are seated at an angle or deep in crestal bone. To be used only when bone walls interfere with an abutment's emergence profile. Includes five unique guiding cylinders and three bone profilers to accommodate all Surgikor implant platforms and connections.

Bone Profilers

	NUMBER		DESCRIPTION
BONE PROFILER 1	BPR-1		30° Profile
BONE PROFILER 2	BPR-2		45° Profile
BONE PROFILER 3	BPR-2		Flat profile

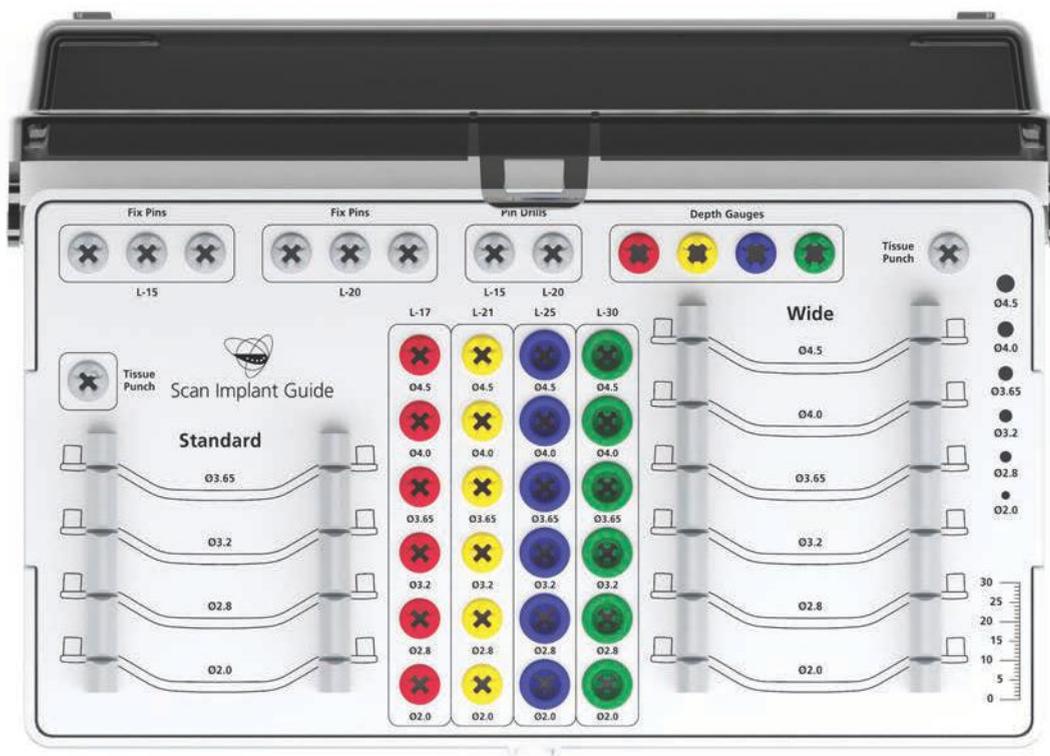
Bone Guides – Conical Connection

	NUMBER		DESCRIPTION
NARROW	GCY-CAN		Guiding Cylinder all Narrow
REGULAR	GCY-CAR		Guiding Cylinder all Regular
	GCR-CSR		Guiding Cylinder Solution™ Regular
WIDE	GCY-CAW		Guiding Cylinder all Wide

Bone Guides – Hex Connection

	NUMBER		DESCRIPTION
REGULAR	GCR-HEX		Guiding Cylinder

GUIDED SURGICAL KIT



Surgical Drills



DIAMETER	Red 17 mm	Yellow 21 mm	Blue 25 mm	Green 30 mm
2.0 mm	•	•	•	•
2.8 mm	•	•	•	•
3.2 mm	•	•	•	•
3.65 mm	•	•	•	•
4.00 mm	•	•	•	•
4.50 mm	•	•	•	•

Standard Handles

S2.0



S2.8



S3.2



S3.65



Wide Handles

W2.0



W2.8



W3.2



W3.65



W4.0



W4.5



Tissue Punch

4.0



4.5



Fix Pins

3 x 15 mm



3 x 20 mm



Fix Pin Drills

15 mm



20 mm



Depth Gauge

17 mm



21 mm



25 mm



30 mm



IMPLANTOLOGY MOTOR

Two motor connections, footswitch, irrigation pump and 10 stored programs for each of the two motors ensures efficient, precise functionality in the MD30. Smooth seams and contours ensure easy cleaning of the device, and contra angles equipped with LEDs enable improved visibility and safety.

- Customize the device with advanced settings in the configuration menu.
- Intelligent safety system with acoustic and optical signal and additional blocking of motor drive (e.g. open pump compartment, disconnected motor or pedal).
- 70 Ncm of maximum torque at the 20:1 contra angle with real time graphic torque control on display.
- Robust, high quality architecture.
- Integrated pump system for instrument cooling to prevent tissue damage.
- Advanced motor system with sophisticated motor control for smooth and precise power delivery in any range of speed.



- Multifunctional pedal with motor selection, pump performance adjustment, program selection and motor speed control.
- Calibration of handpieces and contra angles.
- Real-time speed and torque report.
- 10 configurable pre-set programs for each motor.

PR

IMPLANTOLOGY MOTOR SYSTEM

MD30

MEDIFUGE

The medical device MEDIFUGE allows for the use of up to 8 test tubes for the creation of CGF (fibrin). A microprocessor control system allows for the maintaining of a constant speed. The exceptional rotor system with self-ventilation protects the blood sample from heat exposure. The rotor-holding compartment, the closing door and the test tube-holding jackets guarantee biological safety in terms of biocontainment, in the event of test tube breakage.

The test tube-holding jackets and rotor are built from thermal, antistatic material that is easy to clean, extract and sterilize in an autoclave at 135 degrees. Medifuge is equipped with a decontamination cycle with UVC reflected light. Cycle duration is 5 minutes at 1,000 revs. The electronic control engine and its internal parts require no maintenance. Noise levels fall below the standards required and do not exceed 57 dBA.



Medifuge includes:

- 1 x Medifuge Centrifuge
- 1 x CGF/AFG Making Container
- 50 x Red Top Vacuum Tube for CGF
- 50 x White Top Vacuum Tube for AFG
- 25 x Tourniquet
- 50 x Vacuum Tube Holder Single-Use
- 50 x 21 GA Butterfly Needle
- 1 x Vacuum Tube Rack

PR

MEDIFUGE

MF200

SURGYBONE PIEZOELECTRIC UNIT



Technology based on ultrasound frequencies that permits highly precise osteotomies, with a constant control of both incision depth and length.

Wide liquid crystal display to visualize the data set. Direct push-button control for precise and prompt setting. Power regulation according to different insert tips (sharp, blunt, smoothing, endodontic). Maximum cutting precision, free of damage for soft tissues, avoiding overheating necrosis. Regulation of VIBRA function, with PERCUSSION action and selective cutting.

Surgybone Piezoelectric unit includes:

- 1 Control Unit with LCD Display
- 1 Handpiece & Cord
- 1 Wrench
- 1 Foot Pedal
- 1 Hanger Bar
- 1 Horizontal Bar with Handpiece Holder
- 1 Carrying Case
- 1 Insert Tip Holder (Holds up to 8)
- 6 Basic Inserts +2 Hydro Tips
- 1 Tubing Set for Solution, Disposable, Sterile
- 1 Sterilization Cassette

PR

SURGYBONE PIEZOELECTRIC UNIT

SB300NA

ULTRASONIC AND IMPLANT UNIT

This ultrasonic surgical equipment is designed for osteo plastic amputation as well as dental implant surgery.

Ultrasonic

- TRAUS XUS10 facilitates the surgeon's work: thanks to innovative ultrasound technology, only bone substance is resected with high precision. The surrounding soft tissue remains uninjured.
- Own piezo technology enables optimized performance with powerful output
- Bone heating is avoided or minimized by injecting saline water at Max. 90ml/min speed.
- TRAUS XUS10 make various operation easy including Crestal approach, Sinus lift, Ridge expansion, Bone harvesting, Bone craft, window open, and many others.
- Multifunctional and ergonomic foot switch design
- You can easily operate handpiece and saline water supply with the foot switch.
- Simple and mordern design
- Minimized bone heating



Implant

- BLCD motor (Speed Range 0~ 40,000rpm) and Angle (Standard equipment 20:1/ 32:1) provide the optimum torque in surgery.
- 9 Programs memory function
- Automatic overload protection function (If the load on the bur is higher than preset torque, the motor stops automatically and shows Error on the display.)
- Actual RPM and Torque display function
- Motor Auto-calibration function

PR

ULTRASONIC AND IMPLANT UNIT

TRAUS XUS10



REGENERATION

Here at Surgikor, we specialize in bone grafting materials for a variety of surgical settings and applications.

Our **Cancellous Bone Graft** materials offer a smaller particle size for rapid ingrowth, while our cortical demineralized bone graft materials offer greater strength and stability.

Add in **Pericardium** allografts and a number of related products, and you get a full suite of allograft options for any dental surgery practice.

Our **regeneration** products are easy to use and vetted against the most stringent standards in medical production.



BONE GRAFT



Cortical Cancellous

Cortical Cancellous Bone is indicated in cases where the clinician requires a graft with the HA (hydroxyapatite) component of autologous bone. Cortical cancellous bone is applicable in cases where a scaffold and longer resorption is required. It can be used alone or with a mixture of autogenous bone in order to increase the osteoinductive properties of the graft. As with all our allograft materials, the bone is prepared to stringent standards and is accredited by the American Association of Tissue Banks.

	DIS
0.5CC	DIS-CC05
1.0CC	DIS-CC1
2.0CC	DIS-CC2
5.0CC	DIS-CC5

Cortical Demineralized Bone

Demineralized Bone grafts have been used extensively in orthopedic and oral maxillofacial surgery as an alternative to autogenous bone. Demineralized Bone matrix is a derivative of allograft bone. It is prepared by pulverization of allogenic bone to a consistent size, followed by mild acid extraction of the mineralized phase of bone. Due to the removal of the HA component, potential growth factors are exposed.

This graft reabsorbs quicker and is less dense than mineralized grafts. This graft can be used in combination with mineralized graft or a calcium sulfate carrier.

	DIS
0.5CC	DIS-CD05

Cancellous Bone

Cancellous particulate bone encourages the ingrowth of bone vessels containing pre-osteoblastic cells and mesenchymal cells which are necessary for the formation of new bone. Cancellous Bone acts as a scaffold for cellular ingrowth and supports the newly formed cells for rapid bone formation. Depending on the particle size, it can be used in situations where a more rapid resorbing graft needs to be utilized. When used alone, it provides all the necessary ingredients to support new, rapid bone formation. It is an excellent allograft for use in periodontal defects due to its smaller particle size.

When used in combination with cortical bone, the graft helps promote bone formation in sinus lift applications as well as promoting bone regeneration for socket preservation procedures.

	DIS
0.5CC	DIS-CA05
1.0CC	DIS-CA1
2.0CC	DIS-CA2

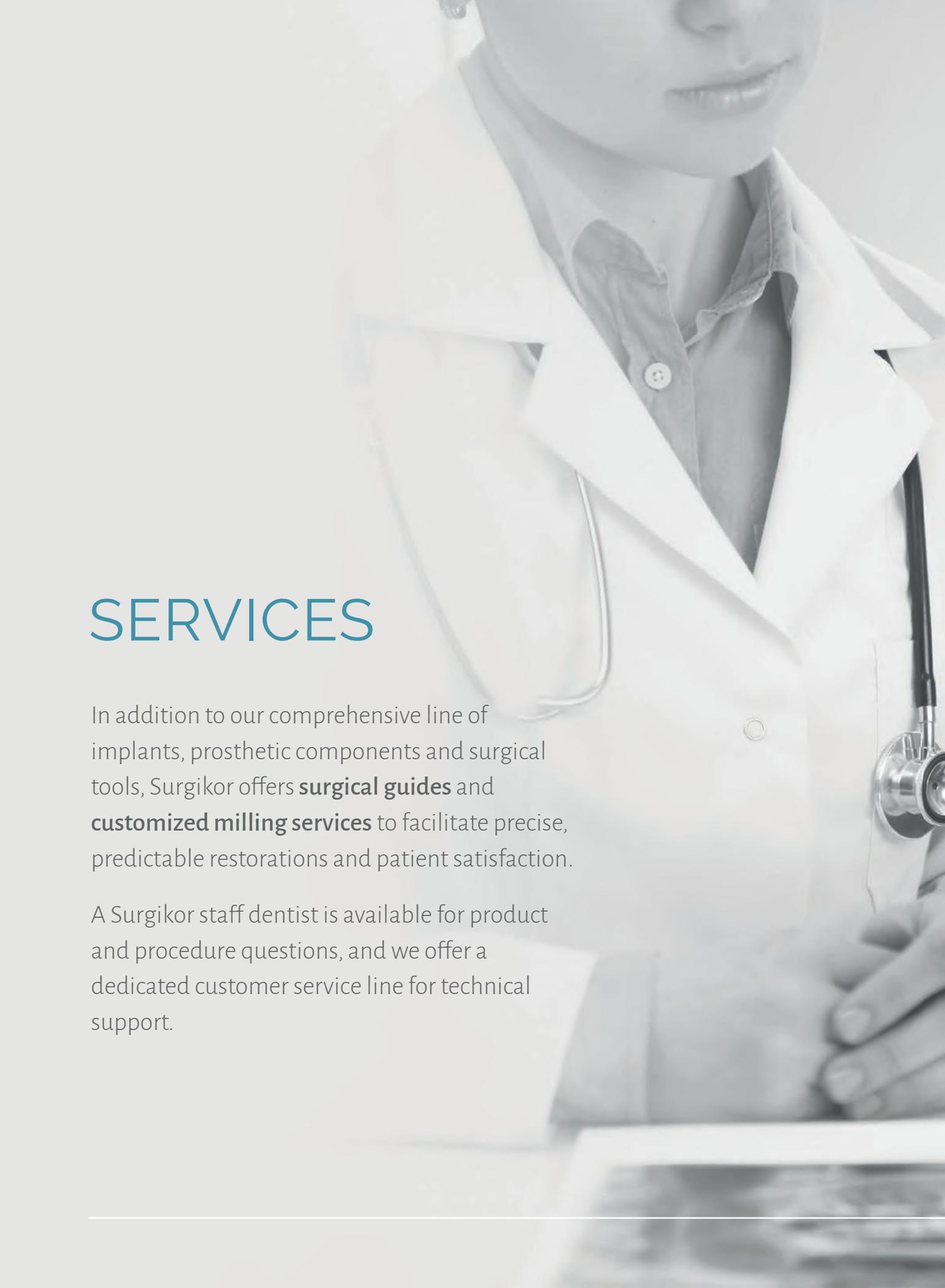
OSTEOKOR PERICARDIUM



Benefits of Pericardium as a natural collagen membrane:

- Provides an excellent healing environment
- Retains the natural collagen matrix
- Long history of effective clinical results in general surgery applications
- Cell occlusive
- Wound stabilization
- Resorption profile of 4 to 6 months
- Act as a scaffold for the growth of the patient's own vascularized connective tissue
- Rehydrates quickly
- Functions as a barrier during the critical period of wound healing
- Biocompatible; easily assimilated into body's normal tissue healing process
- Contours to ridge; highly cohesive and adaptable

	PR
PERICARDIUM 15X20	PR2
PERICARDIUM 20X30	PR3



SERVICES

In addition to our comprehensive line of implants, prosthetic components and surgical tools, Surgikor offers **surgical guides** and **customized milling services** to facilitate precise, predictable restorations and patient satisfaction.

A Surgikor staff dentist is available for product and procedure questions, and we offer a dedicated customer service line for technical support.



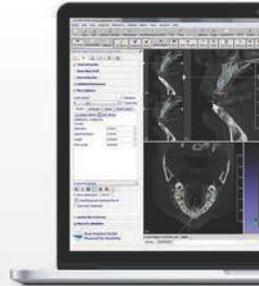
GUIDED SURGERY



1 SCAN PATIENT



2 SCAN MODEL



3 PLAN SURGERY

All Surgical Guides are produced using advanced digital manufacturing technologies. The surgical guides are generated by the Guide planning Software based upon the clinician's virtual planning of the optimal location of the dental implants in the patient's jaw bone. The software uses the dentist's approved treatment plan to design and produce a customized surgical guide that simplifies the drilling process and guides the dentist to place the implant in the precise location as planned.

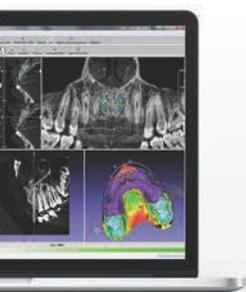
Once designed, the guides are produced automatically, without any intervention by the technician, on our state-of-the-art 3D printer. They are manufactured out of a photopolymer resin approved for biomedical applications, and the titanium drill sleeves are manually inserted before the guide is shipped to the doctor non-sterile.

Guided Software

The Scan Implant Guide Planning Software is the software solution for dental implant treatment planning. We use the latest image processing technology and software development tools to provide dental professionals an integrated advanced image-guided dental implant treatment plan.

Guided Surgical Kit

The Guided Surgical Kit is designed and organized to make each instrument easily identifiable and placed within the easy reach of the clinician. The precision-engineered handled drill guides are provided in a Standard Format for placing implants up to Ø4.2mm, and a Wide Format for placing implants



4 PRINT GUIDE

5 PLACE IMPLANT

up to Ø5.0mm. The 24 drill bits are in lengths of 17mm, 21mm, 25mm and 30mm, and in diameters from 2.0mm to 4.5mm. This allows the clinician to use guided surgery to place a very broad range of implant sizes. For those cases where flapless surgery is indicated, there is a tissue punch provided for both the Standard and Wide formats. And for cases involving totally (or mostly) edentulous patients, the kit includes fix pins and fix pin drills in two lengths to anchor the surgical guide to the patient's anatomy. The box itself is intuitively organized for maximum utility, is suitable for autoclave sterilization and – when fully opened – tilts the instrument tray up 30° for easy accessibility.

See page 90 for details

Surgical Guides

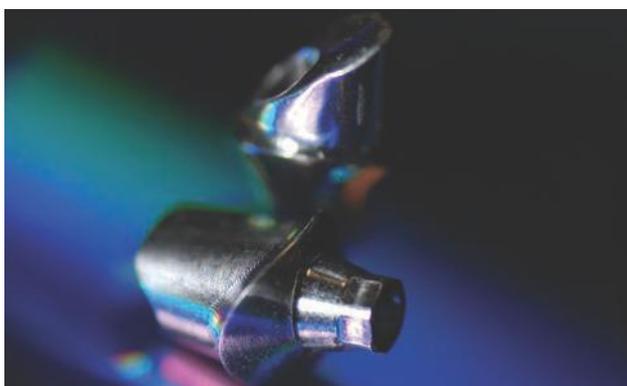
Surgical Guides include features that improve the accuracy and safety of implant placement, resulting in improved surgical and aesthetic outcomes. As illustrated above, Surgical Guides feature the following:

- an adaption surface, that fits onto the patient's anatomy
- drilling holes with sleeves inserted, which comply with the treatment plan and guide the actual drills; and
- optional form features like irrigation windows and holes for anchor screws and anchor pins.

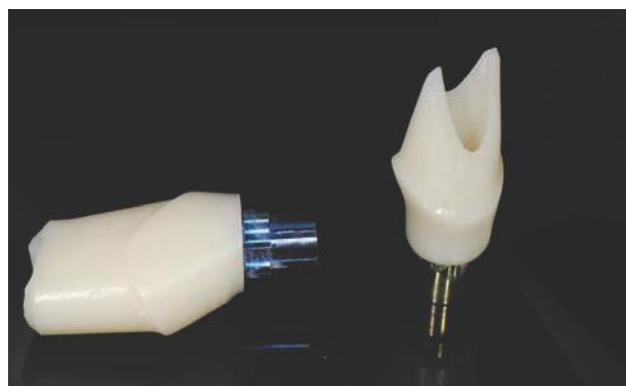
CUSTOMIZED MILLING SERVICES

Rely on Surgikor to provide precise, consistent and accurate results with our Custom-Milled Abutments. Custom abutments provide for superior restorations, enhanced durability and biocompatibility and patient satisfaction.

- State of the Art
- Precision Fit
- Strength
- Durability
- Bio-Compatible
- Titanium



Titanium Abutment



Zirconia with Titanium Base



Titanium Bars



Titanium Bars

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