



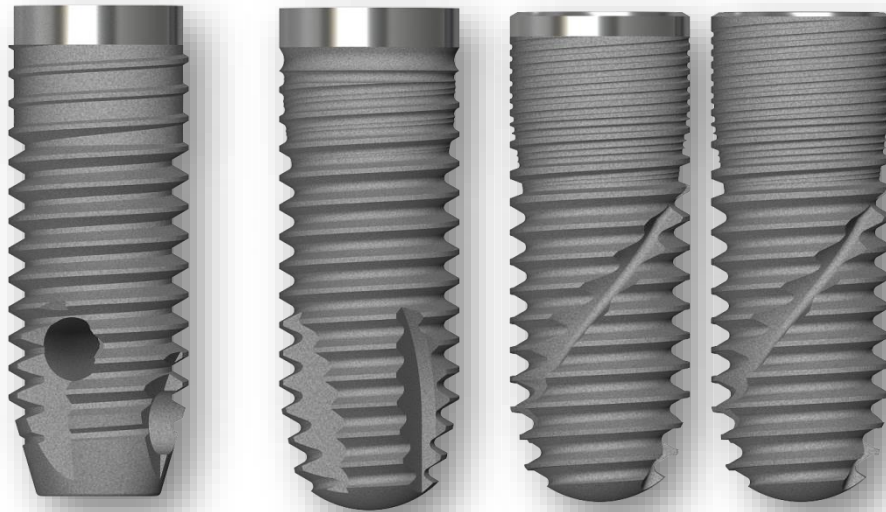
The evolution of the
BEGO Semados[®] S-Line

19.12.16

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BEGO Semados[®] S-Line



General information



Machined shoulder

Height: SC = 0.5 mm ; SCX = 0.1 mm

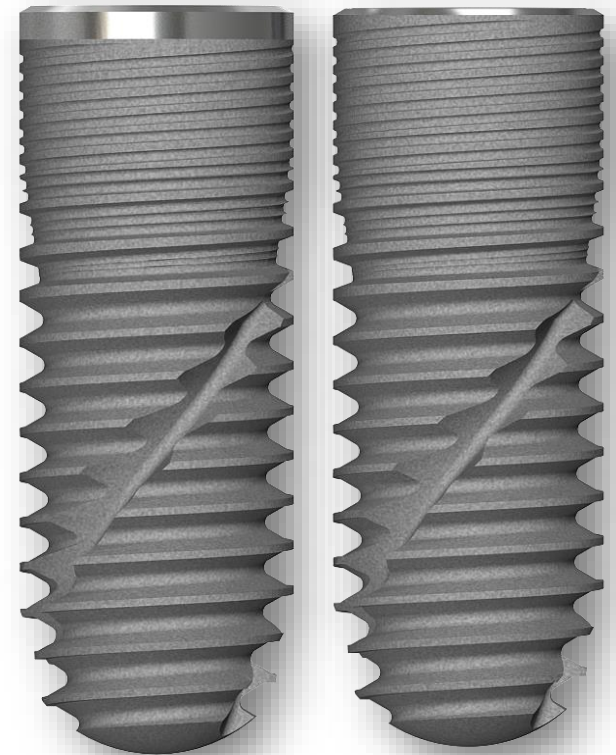
Cutting grooves

Number: 2

Angle: approx. 65°

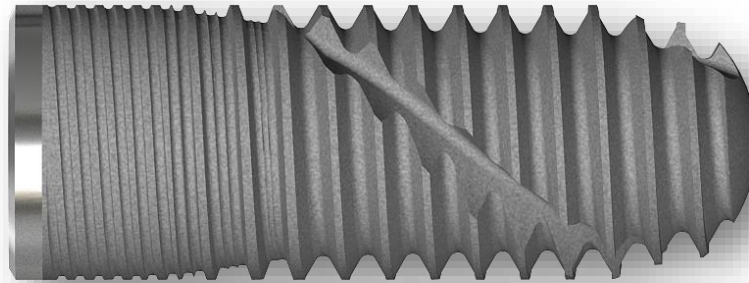
Geometry

Cylindrical



Overview

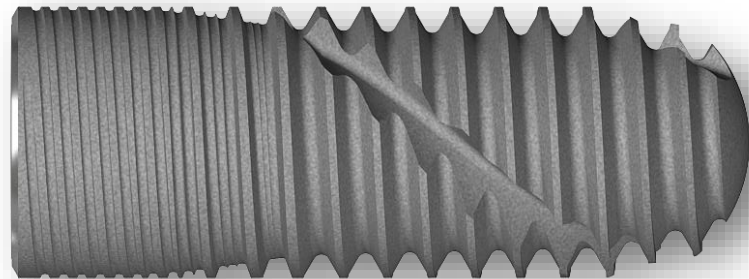
BEGO Semados® SC-Line
Self-cutting
Cylindric



Diameter:

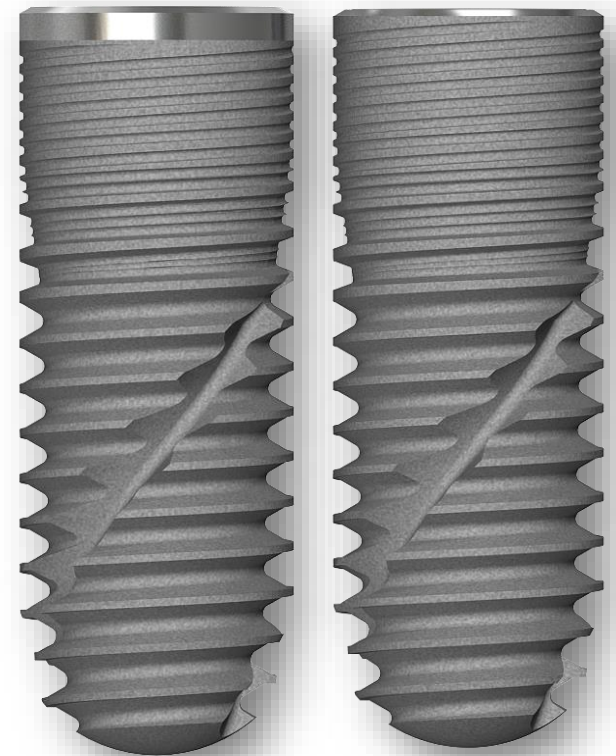
3.25 3.75 4.1 4.5 5.5

BEGO Semados® SCX-Line
Self-cutting
Cylindric
X-tra (high) surface



Diameter & Length

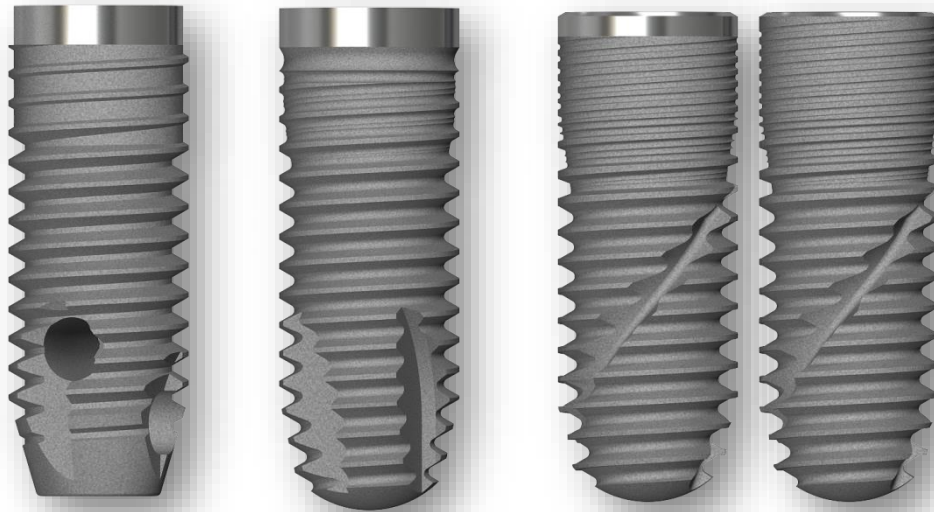
Ø 3.25	Ø 3.75	Ø 4.1	Ø 4.5	Ø 5.5
-	-	L 7	L 7	L 7
L 8.5	L 8.5	L 8.5	L 8.5	L 8.5
L 10	L 10	L 10	L 10	L 10
L 11.5	L 11.5	L 11.5	L 11.5	L 11.5
L 13	L 13	L 13	L 13	L 13
L 15	L 15	L 15	L 15	-



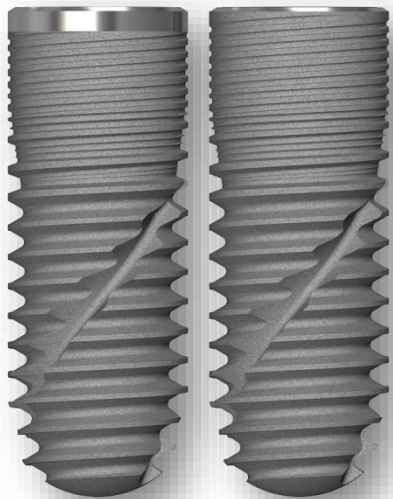


Features

Features

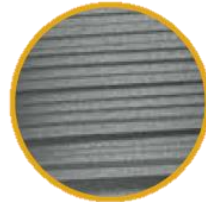


Features



Implant shoulder

Machined (SC implants) or microstructured (SCX implants) shoulder with platform switch – according to the patient treatment requirements and preference of the dentist. Compatible with the existing PS-Line prostheses as a result.



Self-tapping thread

Self-tapping thread with increasing core diameter during decreasing thread depth for better primary stability. Progressive microthread to generate increased bone contract rate.



Optimum cutting grooves

Optimum cutting groove angles for better guiding of the bone graft into the thread base.



Surface

Trusted high purity and homogeneous TiPure^{Plus} surface

Features



Your trusted system with an improved design

BEGO Semados® SC/SCX implants: The last word in modern and cost-effective dental implantology

- Quick & functional
- Reliable & proven
- Simple & intuitive
- Universal & successful
- Varied & sophisticated
- 100% German quality product

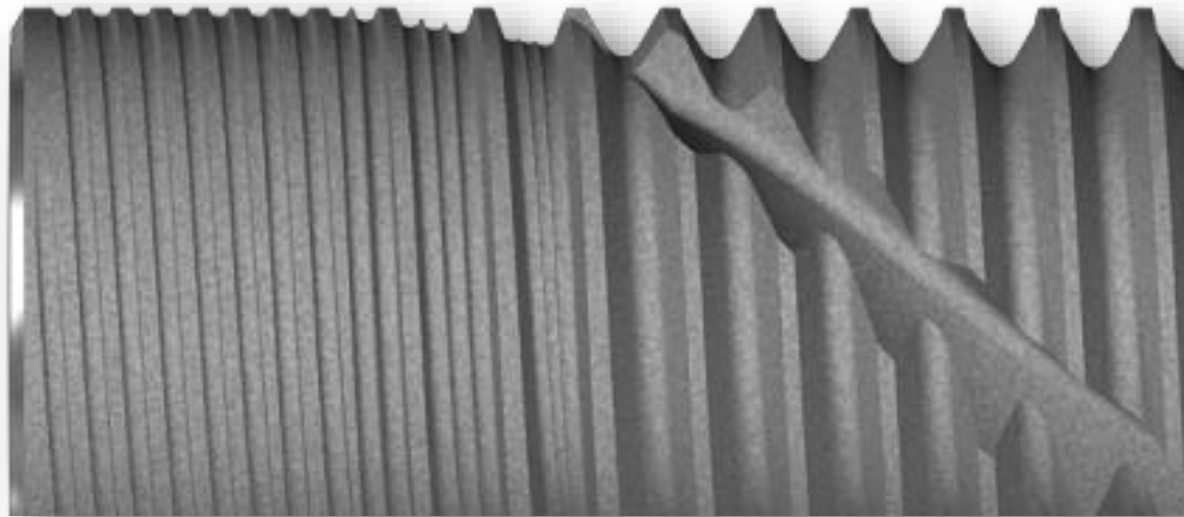
The BEGO Semados® SC/SCX implant at a glance

- Made of pure grade 4 titanium
- Diameter: 3.25 · 3.75 · 4.1 · 4.5 · 5.5 mm
- Lengths: 7 · 8.5 · 10 · 11.5 · 13 · 15 mm
- Diameter 5.5 in length 7 mm to prevent vertical augmentations
- High purity, homogeneous TiPure^{Plus} surface
- Cylindrical implant with rounded apex to protect anatomical structures

An overview of the SC/SCX implant prosthetics connection

- Platform Switch
- Established conical internal connection with 45° conical taper and hexagon socket for anti-rotation protection
- Inner cone ensures tight fit of the restoration
- CAD/CAM customised prosthetic components made of various materials

Optimised



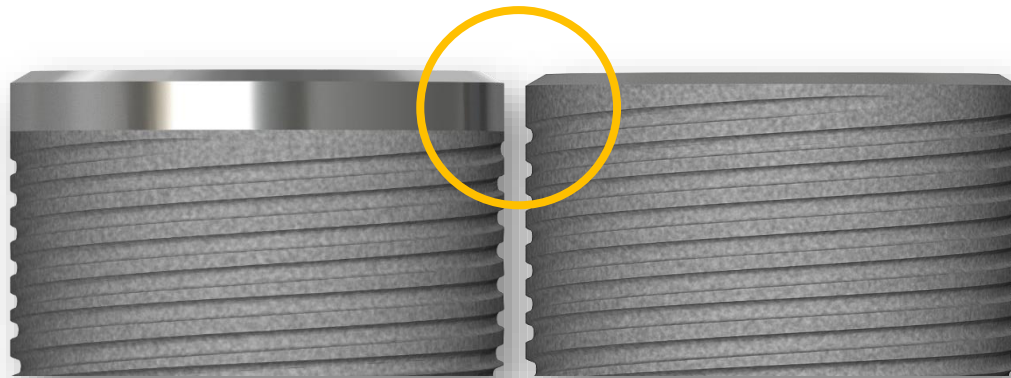
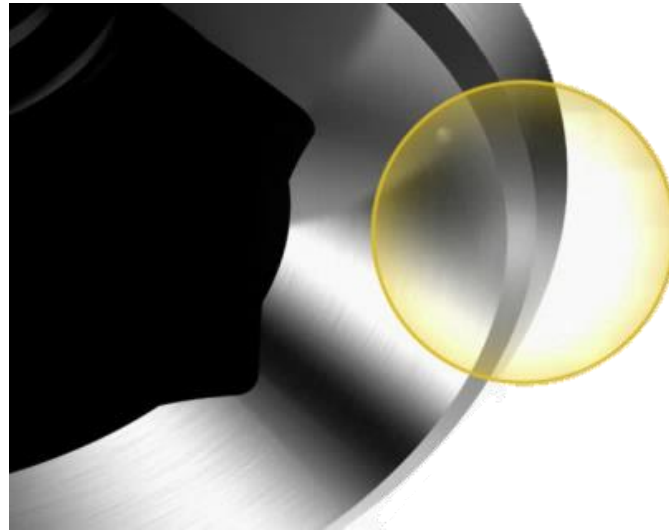
Improved thread design

Well proven



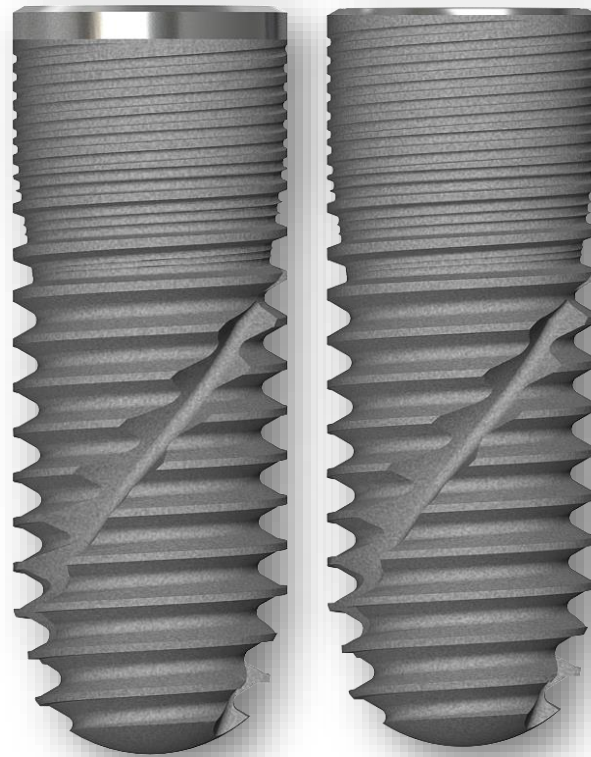
Internal taper connection

Customised



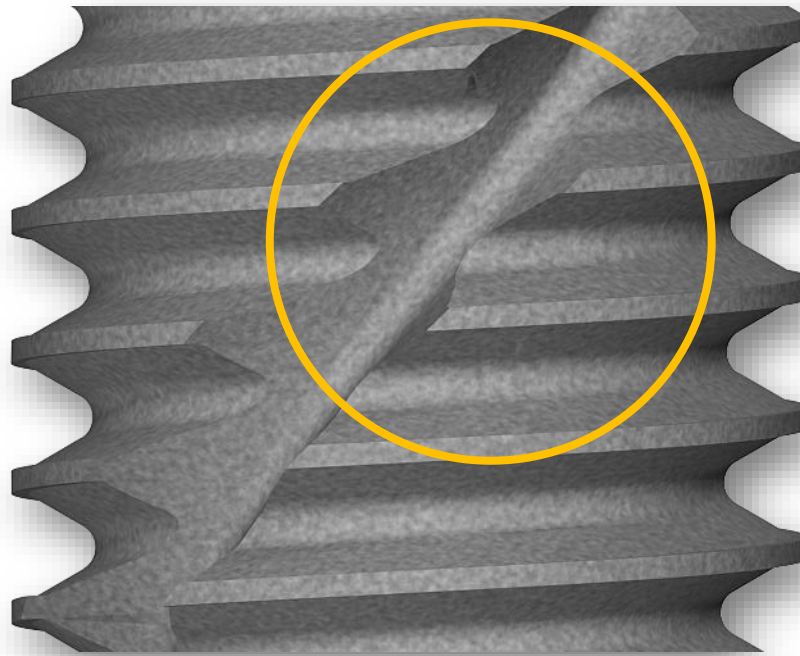
Machined (SC implants) or microstructured (SCX implants) shoulder with platform switch

Flexible



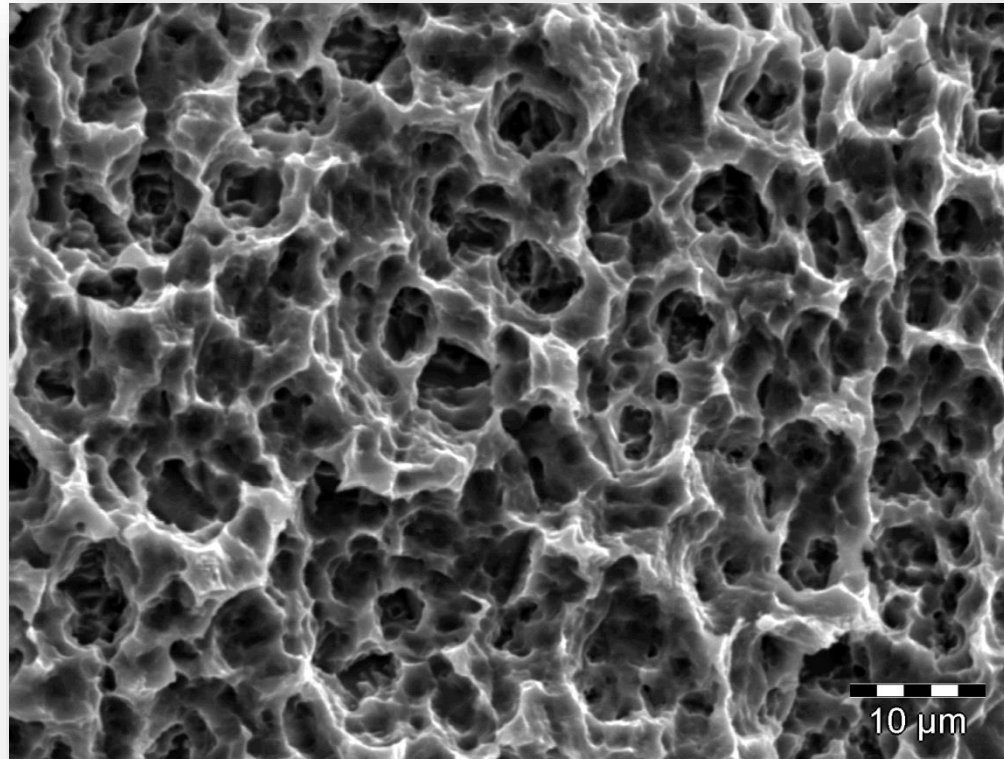
Only one surgical tray

Well thought-out



Optimum cutting grooves,
in relation to the formation of the largest possible / long bone graft

High-purity

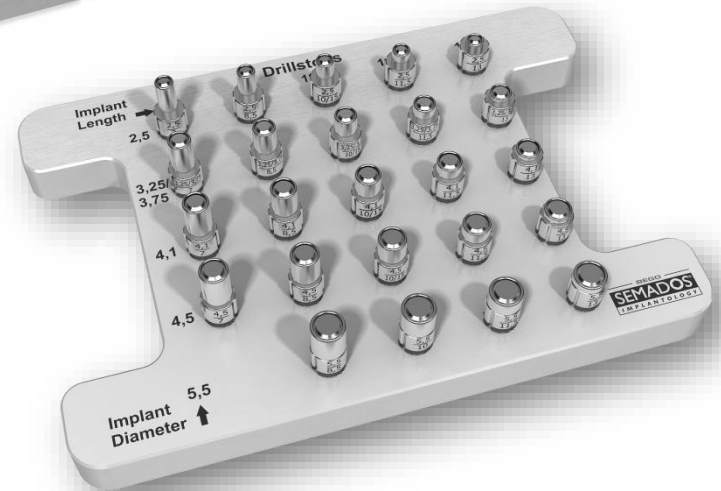
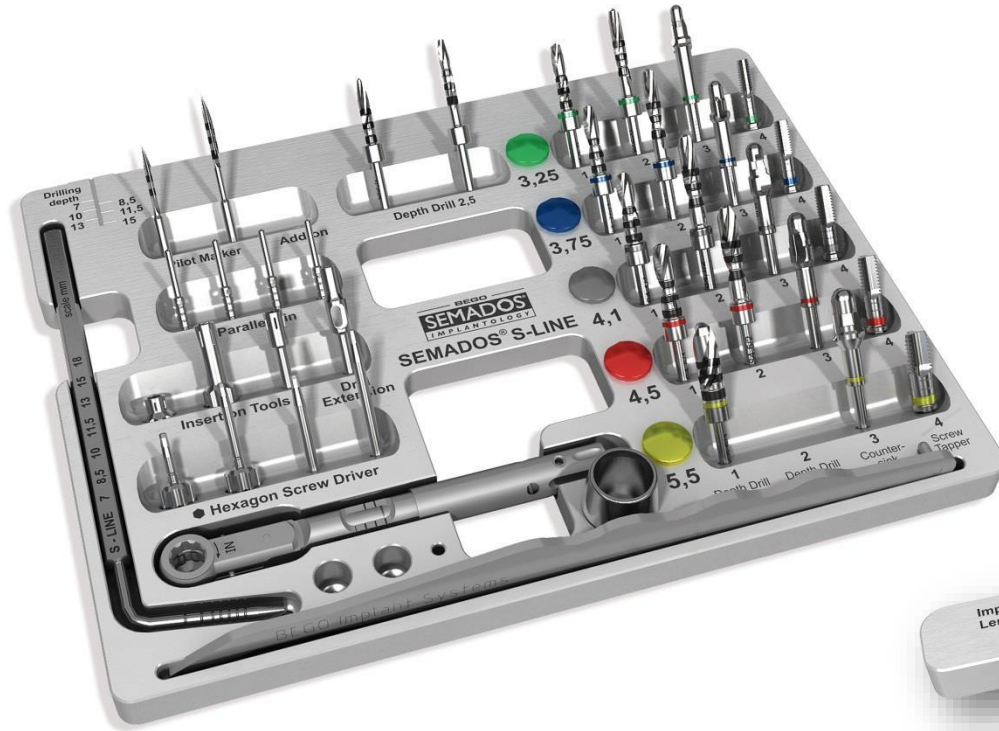


Homogeneous – no acid-etched grain boundaries



Surgery

BEGO Semados® SC/SCX-Implants - Surgery



Unchanged!

BEGO Semados® SC/SCX-Implants - Surgery

Implant diameter (in terms of mechanical capacity)								
OK	3.25	-	+	-	-	-	-	-
	3.75	+	+	+	+	0	-	-
	4.1	+	+	+	+	+	+	+
	4.5	+	+	+	+	+	+	+
	5.5	+	+	+	+	+	+	+
Tooth/region		1	2	3	4	5	6	7
UK	5.5	+	+	+	+	+	+	+
	4.5	+	+	+	+	+	+	+
	4.1	+	+	+	+	+	+	+
	3.75	+	+	+	+	0	-	-
	3.25	+	+	+	-	-	-	-

-- not suitable += suitable o = suitable with reduced masticatory forces below 150 N



Rotational speed		
Product		rpm
• Pilot Marker / depth drill	→	800
• Countersink	→	800
• Thread cutter	→	15
• Implant insertion	→	15

Drill sequence with the BEGO Semados® S-Line Tray^{Plus}

Implant	Pilot Marker	Depth drill 2.5	Depth drill S 3.25	Depth drill S 3.75	Depth drill S 4.1	Depth drill S 4.5	Depth drill S 5.5	Countersink*	Thread cutter
S-Line 3.25	x	x	x					(x)	(x)
S-Line 3.75	x	x		x				(x)	(x)
S-Line 4.1	x	x		x	x			(x)	(x)
S-Line 4.5	x	x		x	x	x		(x)	(x)
S-Line 5.5	x	x		x	x	x	x	(x)	(x)

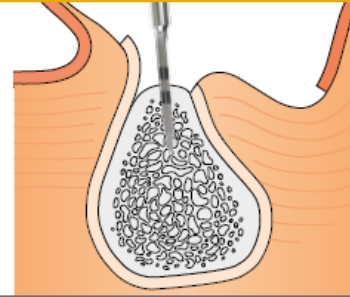
x = necessary (x) = optional (depending on bone quality) *up to marking (see tip of arrow)

Unchanged!

1 Pilot Marker (triangle drill)



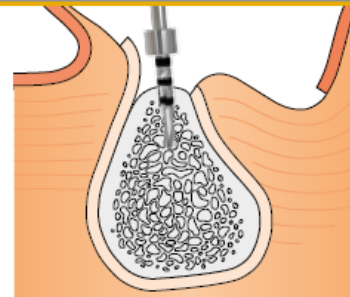
Mark the bone and carry out initial drilling for directional orientation. Check with paralleling post.



2 Depth drill 2.5



Drilling of the final implant length. Use of the drill stop possible. Control with paralleling post.

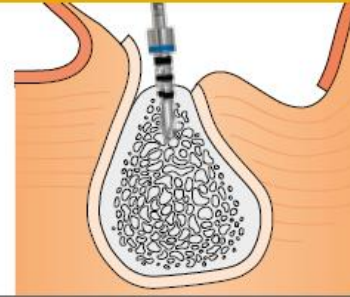


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Implants

3 Final depth drill (based on the implant diameter)



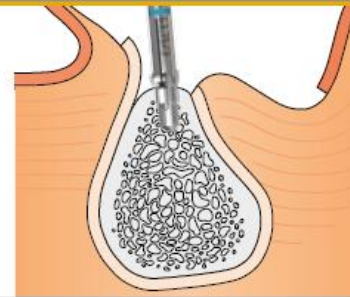
Final enlargement of the cavity. Drill stops can be used.



4 Countersink (optional)



Expansion of the cortical bone.



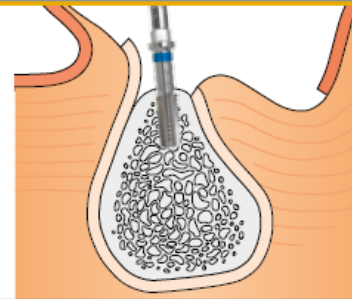
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5 Thread cutter (manual / automatic)



Precutting a thread in
compact bone (D1/D2).



6 Manual/machine implant insertion (the SCX-Line as an example)

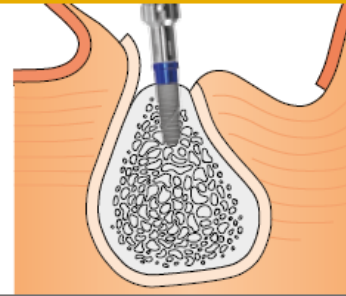
Machine insertion



Manual insertion



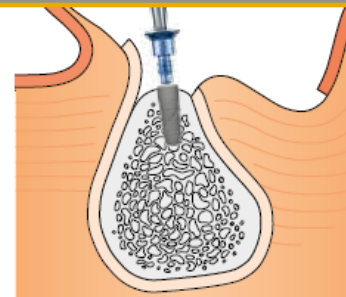
Insert the implant into the bone with the ratchet or the automatic insertion tool.



7 Position locking screw



Pick up the cover screw with the hexagon screwdriver, insert into the implant and hand-tighten.



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BEGO Semados® SC/SCX-Implants - Guided Surgery



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Unchanged!



Prosthetic

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PS-Line!

BEGO
PS
3.75 - 5.5

Join the evolution!

