SIC invent Surgical Guidelines

SICace®

SICace® 4.0	
Drills for Depth Stop or Short Drills	6.0
Pilot Drill 2.0	x
Ext. Drill 2.8	x
Ext. Drill 3.1	x
Reamer 4.0	x

SICace® 4.5	
Drills for Depth Stop or Short Drills	6.0
Pilot Drill 2.0	x
Ext. Drill 2.8	x
Ext. Drill 3.25	x
Reamer 4.5	x

SICace® 5.0	
Drills for Depth Stop or Short Drills	6.0
Pilot Drill 2.0	x
Ext. Drill 2.8	x
Ext. Drill 3.25	x
Ext. Drill 3.75	x
Reamer 5.0	x

Insertion tools TR
for Angle Piece

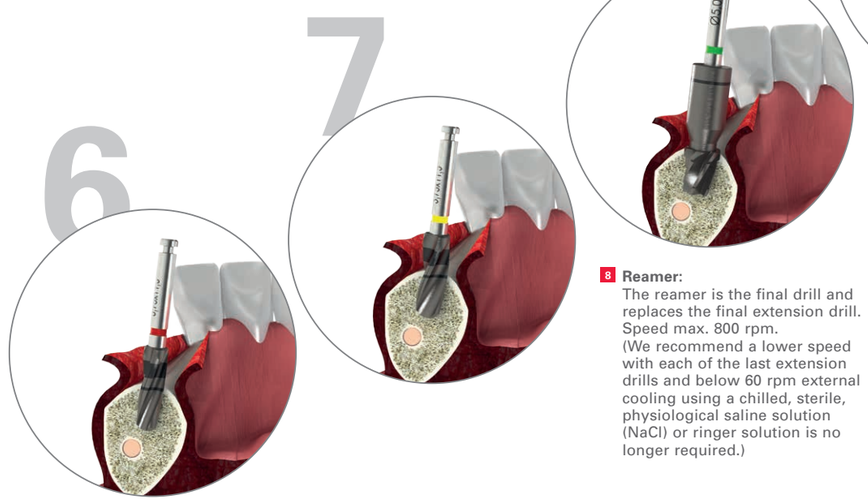
1 **Marking Drilling:**
After detaching the mucosa, the implant site is spot drilled using the marking drill. The drilling depth is variable and is maximum the length of the implant.
Speed max. 800 rpm.

2 **Pilot Drilling:**
Using the Ø 2.0 mm pilot drill the implant length and axial alignment are then determined. The drilling depth can be checked optically using the depth markings on the drills or using the optional depth stop system. Speed max. 800 rpm.

3 **Depth Measurement:**
Check of the preparation depth and axial alignment using the Ø 2.0 mm depth gauge.

4 **Initial Extension Drilling:**
The pilot drill hole is extended using the "Smart Drill" Ø 2.8 mm extension drill. The axial alignment can still be slightly adjusted at this stage. Speed max. 800 rpm.

5 **Axial Alignment:**
Check of the axial alignment using the Ø 2.8 mm depth gauge.



6-**7** **Further Extension Drilling:**
The use of the respective SIC Ø 3.1 / 3.25 / 3.75 mm extension drills depends on the planned implant diameter (see overview top left). Speed max. 800 rpm. (We recommend a lower speed with each of the last extension drills and below 60 rpm external cooling using a chilled, sterile, physiological saline solution (NaCl) or ringer solution is no longer required.)

8 **Reamer:**
The reamer is the final drill and replaces the final extension drill. Speed max. 800 rpm.
(We recommend a lower speed with each of the last extension drills and below 60 rpm external cooling using a chilled, sterile, physiological saline solution (NaCl) or ringer solution is no longer required.)

9 **Implant Placement:**
The implant can be placed using a handpiece or manually. The implant should be inserted until it is flush with the bone level. Finally the implant is sealed using the closure screw and saliva-proof wound closure. Speed max. 25 rpm.

Caution:
The final position of the implant should always be aligned so that a corner of the outer hex of the insertion tool and implant insertion post faces buccally.

Align buccally

Insertion tools TR
for Titanium ratchet

08/2013

SIC invent Surgical Guidelines

SICmax

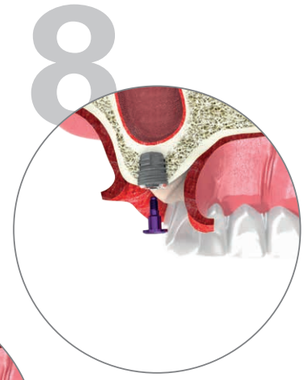
SICmax 4.2	
Drills for Depth Stop or Short Drills	6.0
Pilot Drill 2.0	x
Ext. Drill 2.8	x
Ext. Drill 3.25	x
Crestal Drill 3.75	x

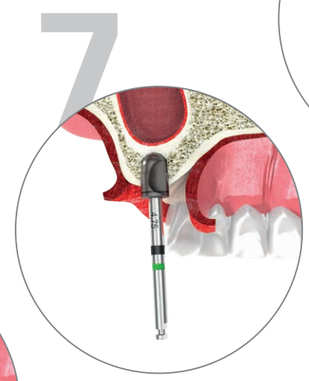
SICmax 4.7	
Drills for Depth Stop or Short Drills	6.0
Pilot Drill 2.0	x
Ext. Drill 2.8	x
Ext. Drill 3.25	x
Ext. Drill 3.75	x
Crestal Drill 4.25	x

SICmax 5.2	
Drills for Depth Stop or Short Drills	6.0
Pilot Drill 2.0	x
Ext. Drill 2.8	x
Ext. Drill 3.25	x
Ext. Drill 3.75	x
Ext. Drill 4.25	x
Crestal Drill 4.75	x

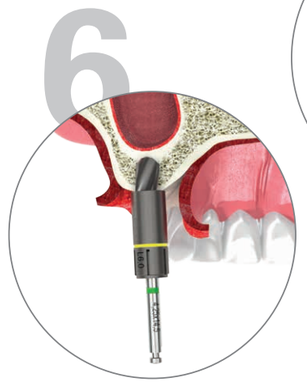
Insertion tools TR
for Angle Piece

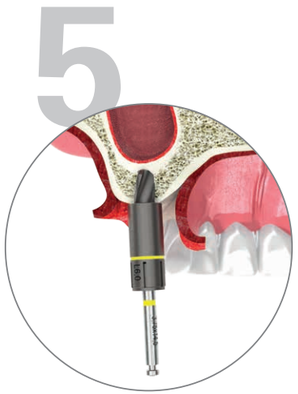
Cortical bone
(D1/D2)
Spongy bone
(D3/D4)



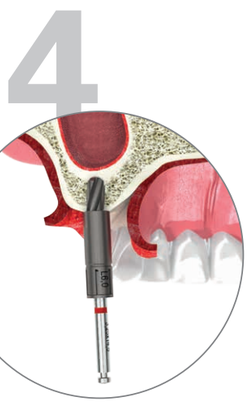


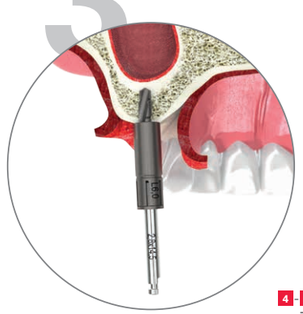
8 Implant Placement:
The implant can be placed using a handpiece or manually. The implant should be inserted until it is flush with the bone level. Finally the implant is sealed using the closure screw and saliva-proof wound closure. Speed max. 25 rpm.

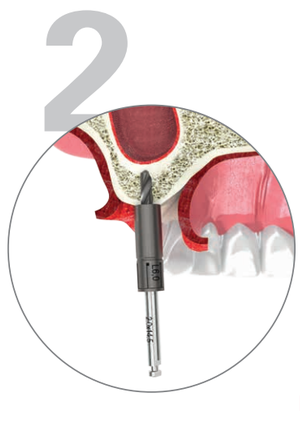


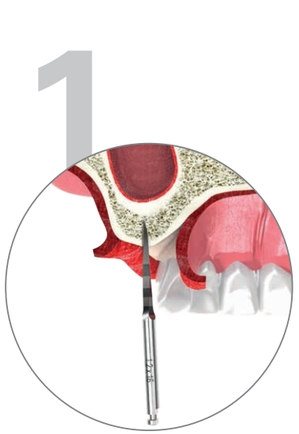


7 Crestal Drill:
The depth of drilling depends on the bone quality (see graphic). Speed max. 650 rpm. (We recommend a lower speed when using the crestal drill and below 60 rpm external cooling using a chilled, sterile, physiological saline solution (NaCl) or ringer solution is no longer required.)









1 Marking Drilling:
After detaching the mucosa, the implant site is spot drilled using the marking drill. The drilling depth is variable and is maximum the length of the implant.
Speed max. 800 rpm.

2 Pilot Drilling:
Using the Ø 2.0 mm pilot drill the implant length and axial alignment are then determined. The drilling depth can be checked optically using the depth markings on the drills or using the optional depth stop system. Speed max. 800 rpm.

3 Initial Extension Drilling:
The pilot drill hole is extended using the "Smart Drill" Ø 2.8 mm extension drill. The axial alignment can still be slightly adjusted at this stage. Speed max. 800 rpm.

4 - 6 Further Extension Drilling:
The use of the respective SIC Ø 3.25 / 3.75/ 4.25 mm extension drills depends on the planned implant diameter (see overview top left). Speed max. 800 rpm. (We recommend a lower speed with each of the last extension drills and below 60 rpm external cooling using a chilled, sterile, physiological saline solution (NaCl) or ringer solution is no longer required.)

Caution:
The final position of the implant should always be aligned so that a corner of the outer hex of the insertion tool and implant insertion post faces buccally.

Align buccally

Insertion tools TR
for Titanium ratchet