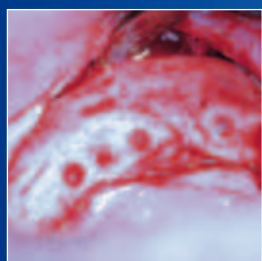


# Surgical manual 5.0 ICX templant®



optimized surgical protocol






SILVERSPONSOR  
of the DGI

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of the EAO

[www.medentis.de](http://www.medentis.de)




# Explanation of the color schemes and the color coding of the ICX templant® drills

ICX-plus templant drills for implant diameter 3,45 belong to the YELLOW color scheme.  
Single drills have yellow color codes subject to the bone quality (very soft, soft, hard).

-  1 yellow marker for very soft bones D4
-  2 yellow markers for soft/medium hard bones D3/D2
-  3 yellow markers for hard bones, D1






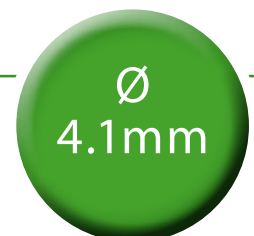
ICX-templant drills for implant diameter 3,75 belong to the RED color scheme.  
Single drills have yellow color codes subject to the bone quality (very soft, soft, hard).

-  1 red marker for very soft bones D4
-  2 red markers for soft/medium hard bones D3/D2
-  3 red markers for hard bones, D1






ICX-templant drills for implant diameter 4,1 belong to the GREEN color scheme.  
Single drills have yellow color codes subject to the bone quality (very soft, soft, hard).

-  1 green marker for very soft bones D4
-  2 green markers for soft/medium hard bones D3/D2
-  3 green markers for hard bones, D1



ICX-templant drills for implant diameter 4,8 belong to the BLUE color scheme.  
Single drills have yellow color codes subject to the bone quality (very soft, soft, hard).

-  1 blue marker for very soft bones D4
-  2 blue markers for soft/medium hard bones D3/D2
-  3 blue markers for hard bones, D1

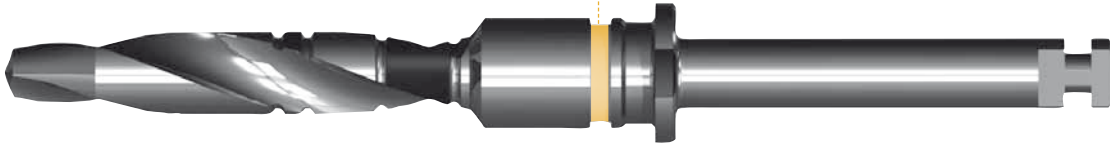


# Explanation of the color schemes and the color coding of the ICX templant® drills

Ø  
3.45mm

*Color coding sample:*

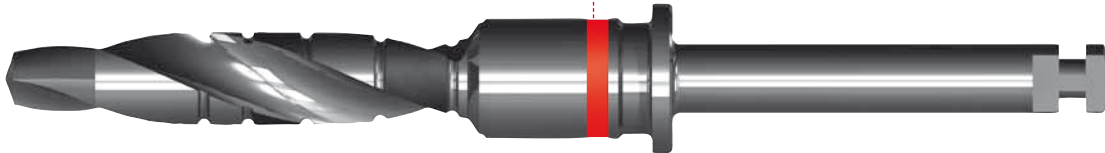
Yellow = 3,45 implant diameter  
1 yellow marker = drill for very soft bone D4



Ø  
3.75mm

*Color coding sample:*

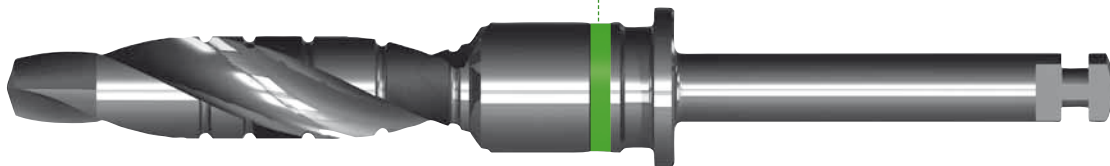
Red = 3,45 implant diameter  
1 red marker = drill for very soft bone D4



Ø  
4.1mm

*Color coding sample:*

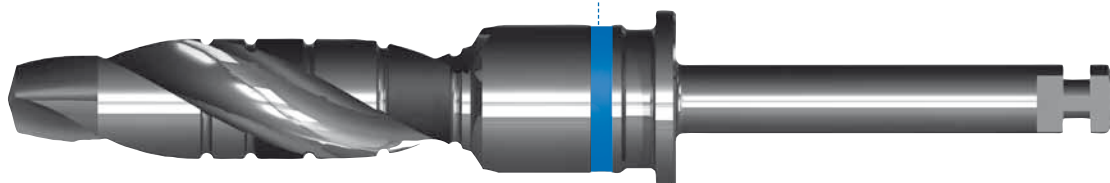
Green = 3,45 implant diameter  
1 green marker = drill for very soft bone D4



Ø  
4.8mm

*Color coding sample:*

Blue = 3,45 implant diameter  
1 blue marker = drill for very soft bone D4

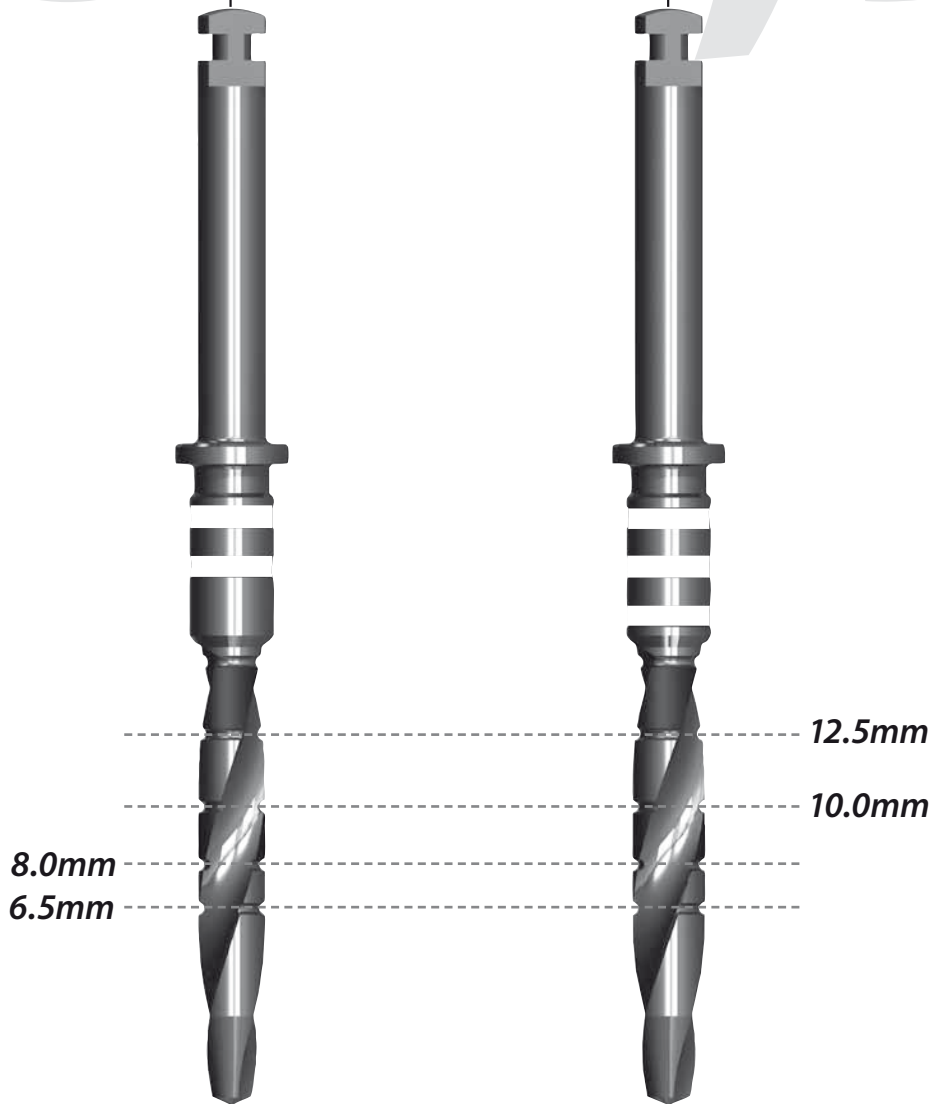


# Surgical procedure for ICX-mini templant® Ø 2.9mm

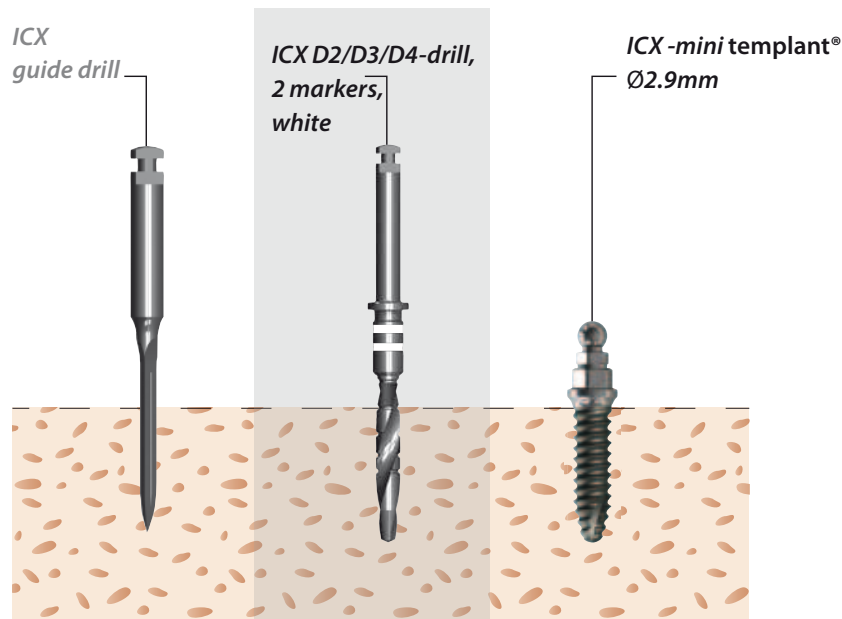
Ø 2,9

*drills for very soft  
to medium hard bones,  
D2/D3/D4*

*drills for  
hard bones,  
D1*



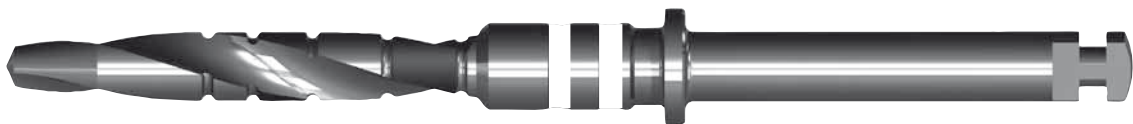
# D2/D3/D4 drilling sequence for ICX-mini templant® Ø 2.9mm



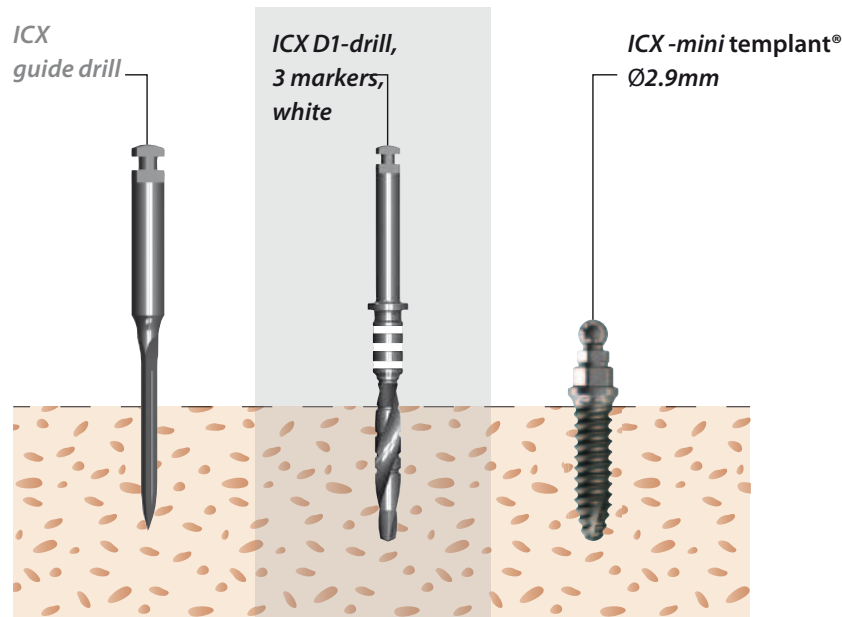
## Drilling sequence for very soft to medium hard bones.

Please only use drills with 2 markers.

**Important Note:** drills for very soft to medium hard bones D2/D3/D4 are labeled with 2 white markers



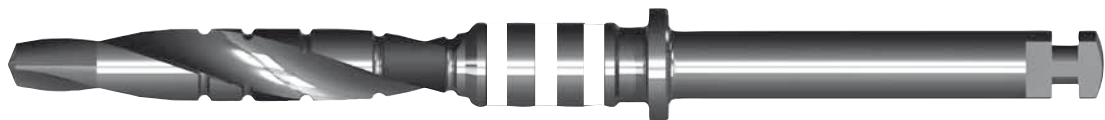
# D1-drilling sequence for ICX-mini templant® Ø 2.9mm



## Drilling sequence for hard bones.

Please only use drills with 3 markers.

**Important Note:** drills for hard bones D1,  
are labeled with 3 white markers



# Explanation of the color schemes and the color coding of the ICX-mini templant<sup>®</sup> – Ø 2.9mm drills

ICX-mini templant drills for implant diameter 2,9 belong to the white color scheme.

Single ICX mini templant drills have different white color codes subject to the bone quality (very soft, soft, hard).

≡ 2 white markers for soft/medium hard bones D3/D2

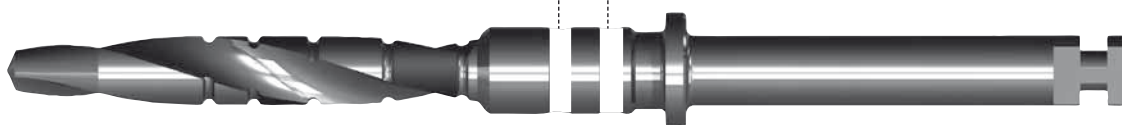
≡ 3 white markers for hard bones, D1

*Color coding sample:*

*White = 2,9 implant diameter*

*2 white markers = drill for soft to medium-hard bones D4/D3/D2*

Ø  
2.9mm



# Important note for the prosthetic provision of all *ICX-plus* implants.

## Specificity for all *ICX-plus* implants.

Both the open and the closed impression posts fit on the ICX and *ICX-plus* implants. Only the Universal Lab Analogs differ.

Especially for a very low mucosa height, it is mandatory that the technician is aware, which implant is an *ICX-plus* implant. We recommend invariably informing the technician whether it's ICX or *ICX-plus* implants.

(this is not mandatory. The prosthetic devices fit both on the ICX as well as on the *ICX-plus* implants.)

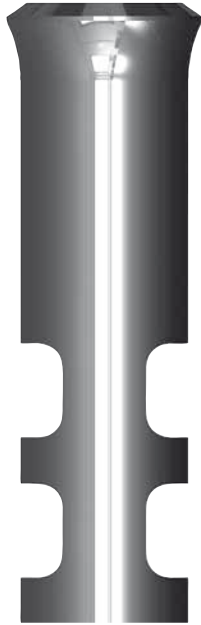
Especially for *ICX-plus*, we have developed the straight titanium abutment with 0 mm gingiva height.

It only fits on the *ICX-plus* implants - all other prosthetic components fit both on ICX and on *ICX-plus* implants.

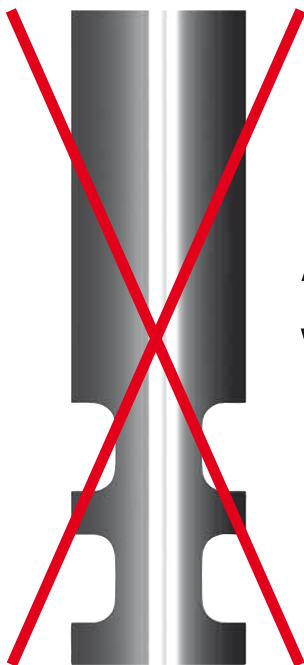
## Important Note + Important Note!

# Important note for the prosthetic provision of all ICX-*plus* implants.

## Specificity for all ICX-*plus* implants.



For ICX-*plus* implant Ø 3.45 mm,  
we recommend the  
ICX-*plus* Universal Lab Analog.  
**Art-no.: C-006-010002.**



Art-no.: C-006-010001  
**we do not recommend for**  
ICX-*plus* implant Ø 3.45mm!

## Important Note + Important Note!

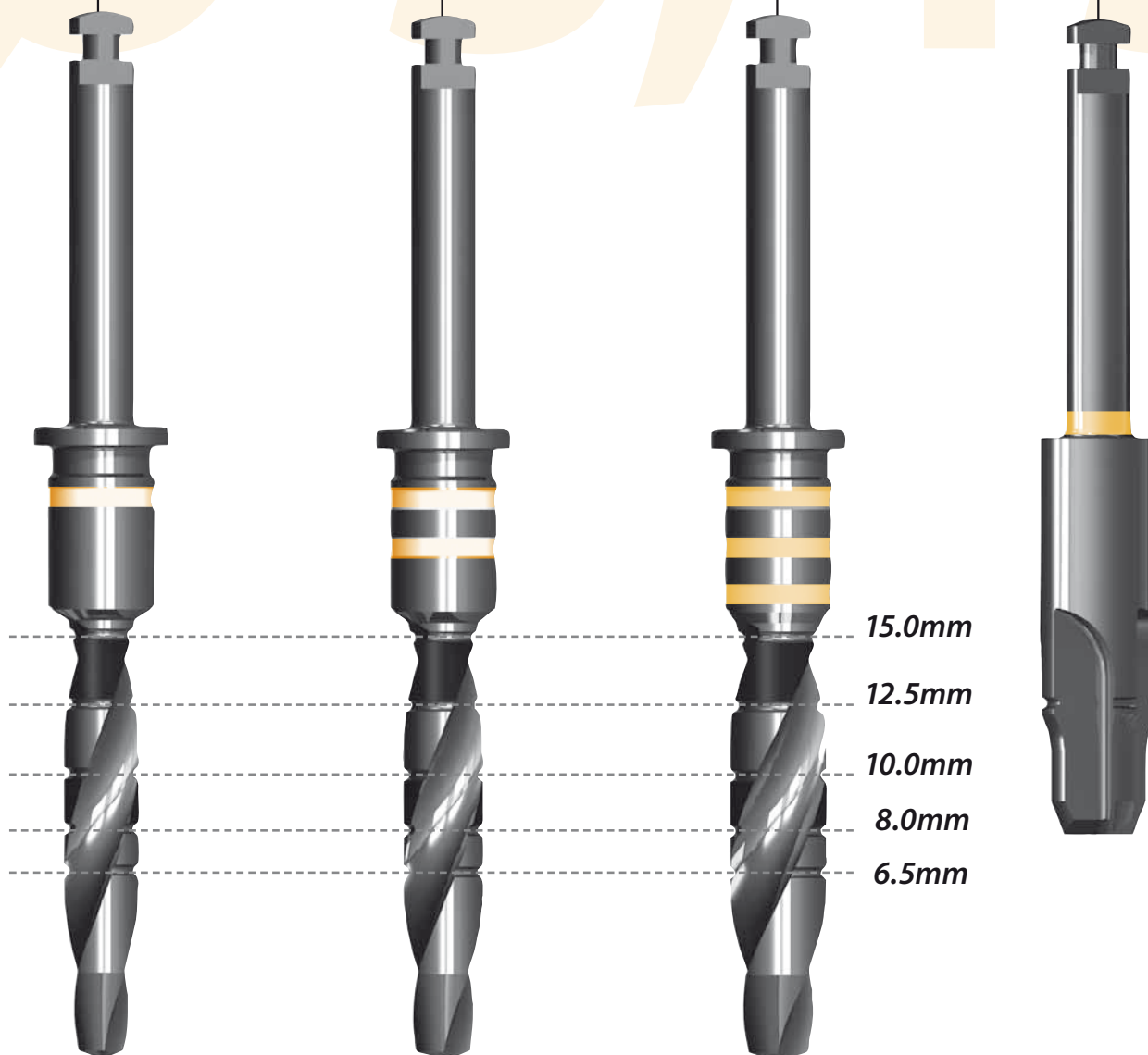
# Surgical procedure for ICX-plus templant® Ø 3.45mm

Drill for  
very soft bone,  
D4

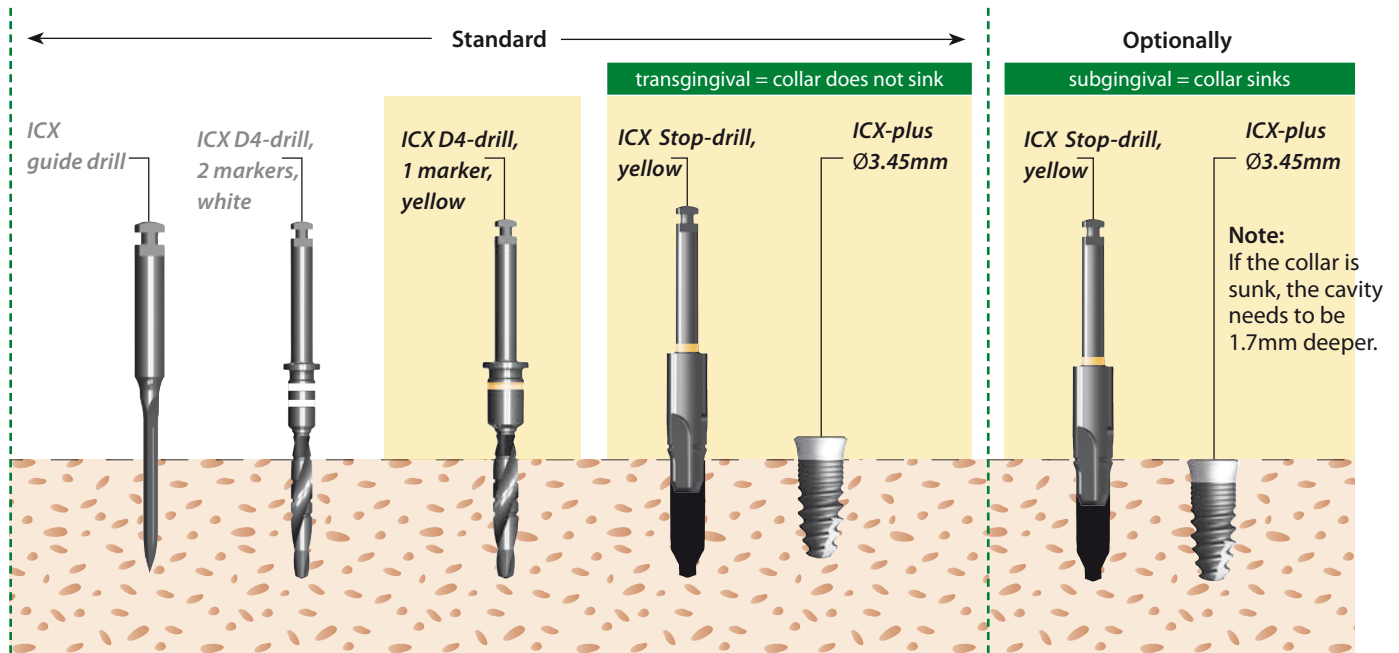
Drill for soft/  
medium-hard bones,  
D3/D2

Drill for  
hard bones,  
D1

ICX stop drill,  
mandatory use



# D4 drilling sequence for ICX-plus templant® Ø 3.45mm



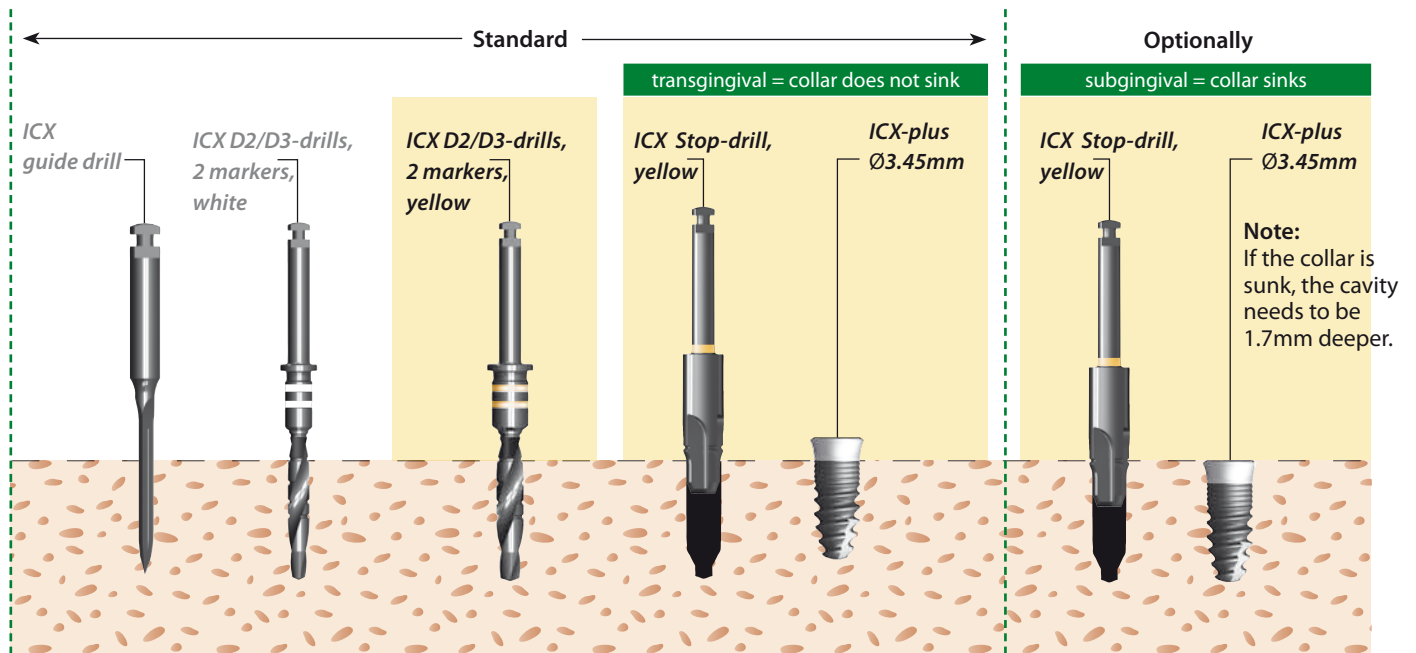
## Drilling sequence for very soft bone

Please only use drills with 1 color marker.

**Important Note:** drills for very soft bones D4, are labeled with 1 yellow marker



# D2/D3 drilling sequence for ICX-plus templant® Ø 3.45mm



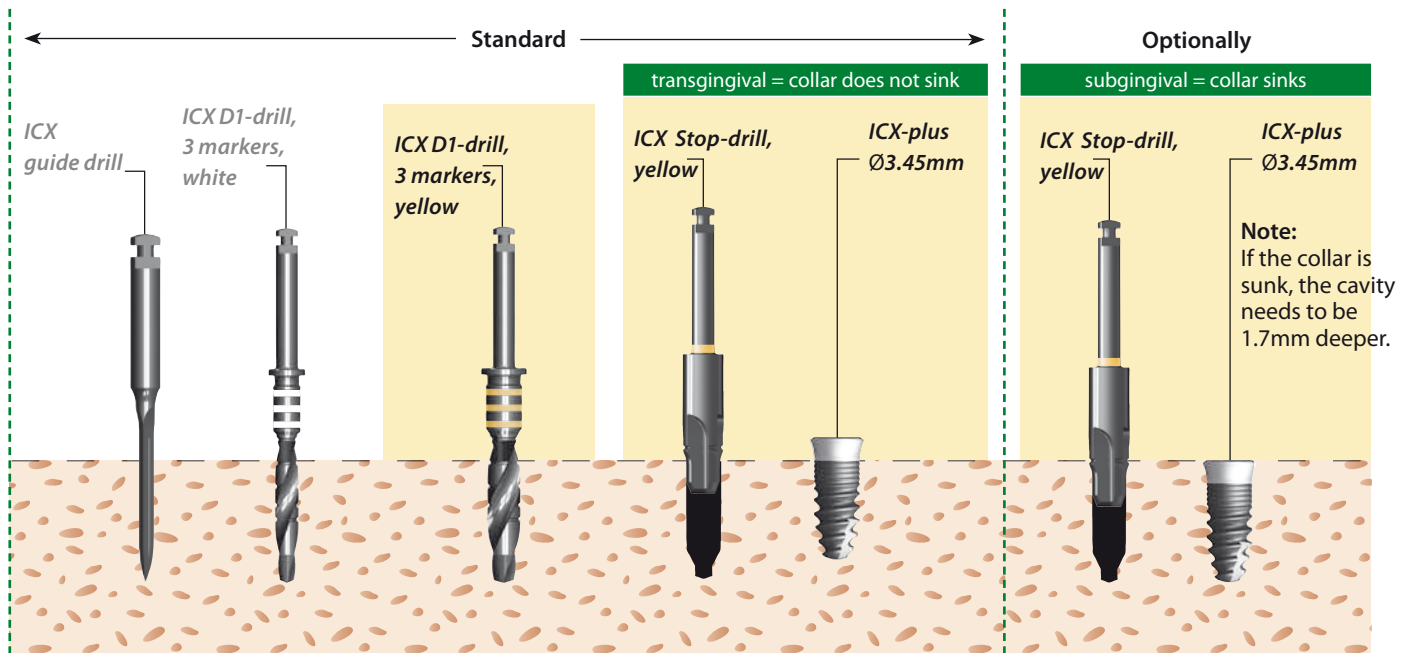
## Drilling sequence for soft to medium hard bones

Please only use drills with 2 color markers.

**Important Note:** drills for soft/medium-hard bones D2/D3, are labeled with 2 yellow markers



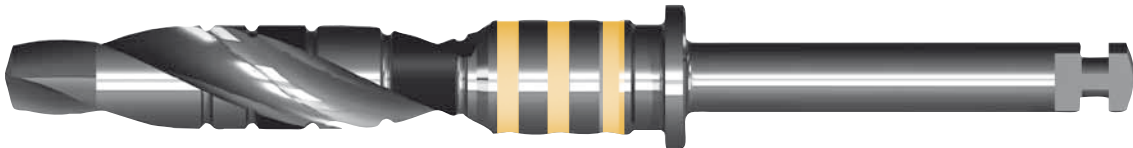
# D1 drilling sequence for ICX-plus templant® Ø 3.45mm



## Drilling sequence for hard bones

Please only use drills with 3 color markers.

**Important Note:** drills for hard bones D1, are labeled with 3 yellow markers



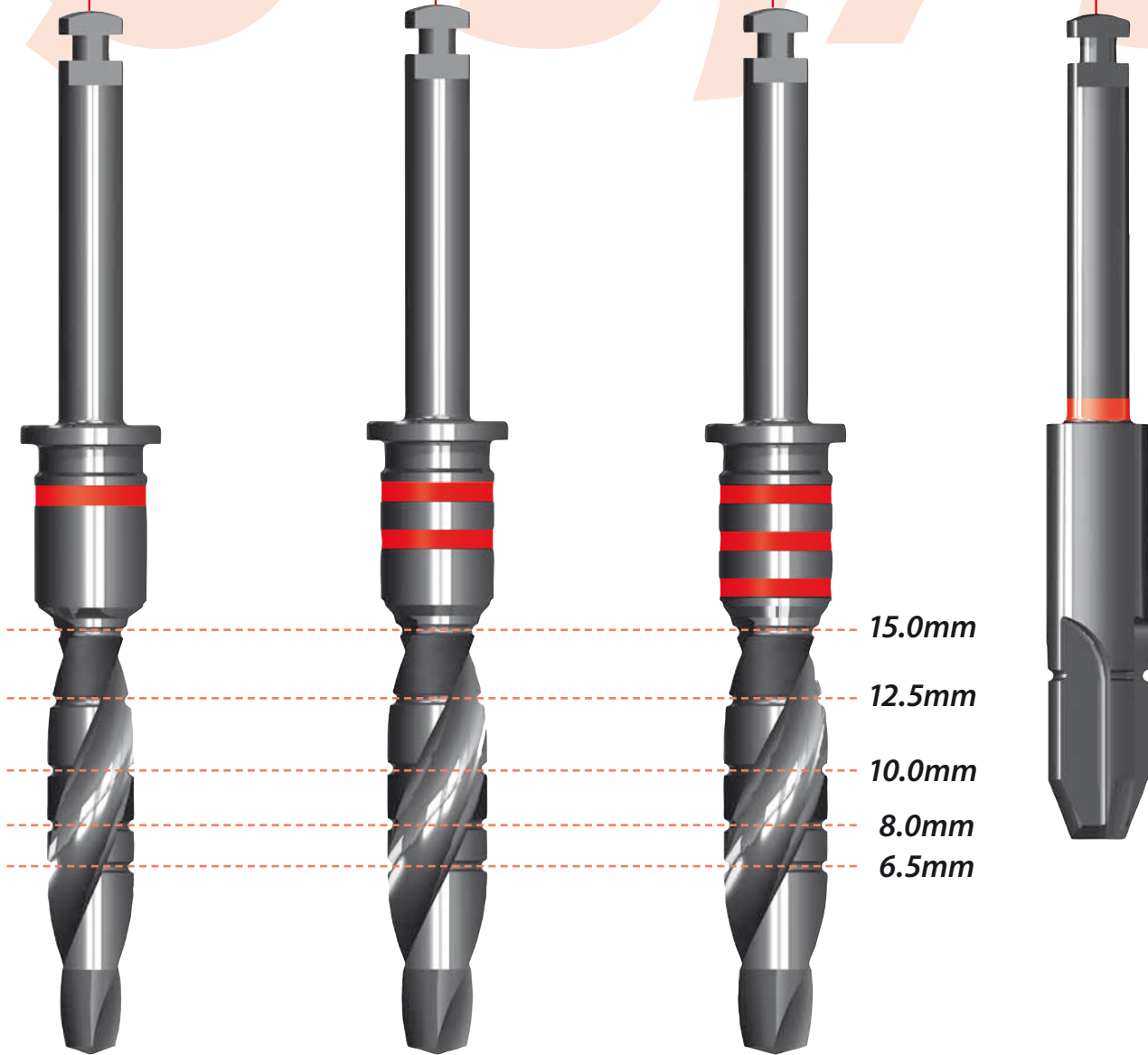
# Surgical procedure for ICX-templant® Ø 3.75mm

Drill for  
very soft bone,  
D4

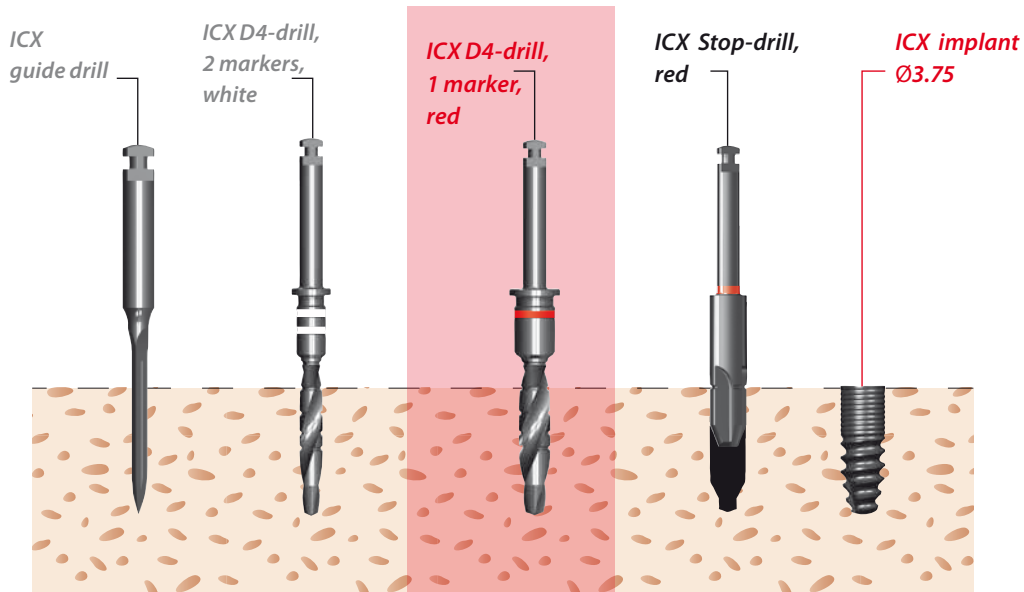
Drill for soft/  
medium-hard bones,  
D3/D2

Drill for  
hard bones,  
D1

ICX stop drill,  
mandatory use



# D4 drilling sequence for ICX-templant® Ø 3.75mm



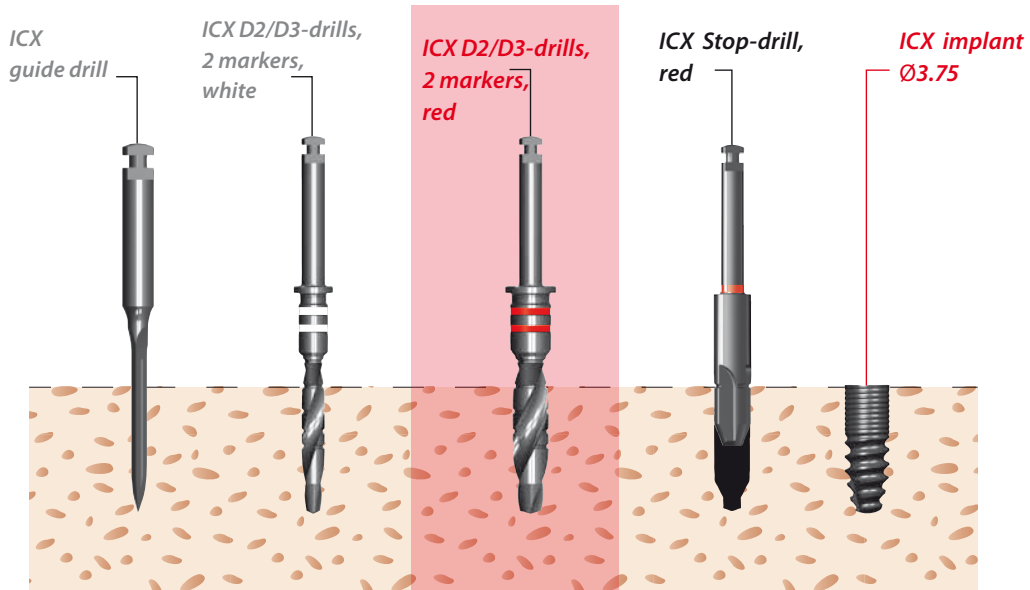
## Drilling sequence for very soft bone

Please only use drills with 1 color marker.

**Important Note:** drills for very soft bones D4, are labeled with 1 red marker



# D2/D3 drilling sequence for ICX-templant® Ø 3.75mm



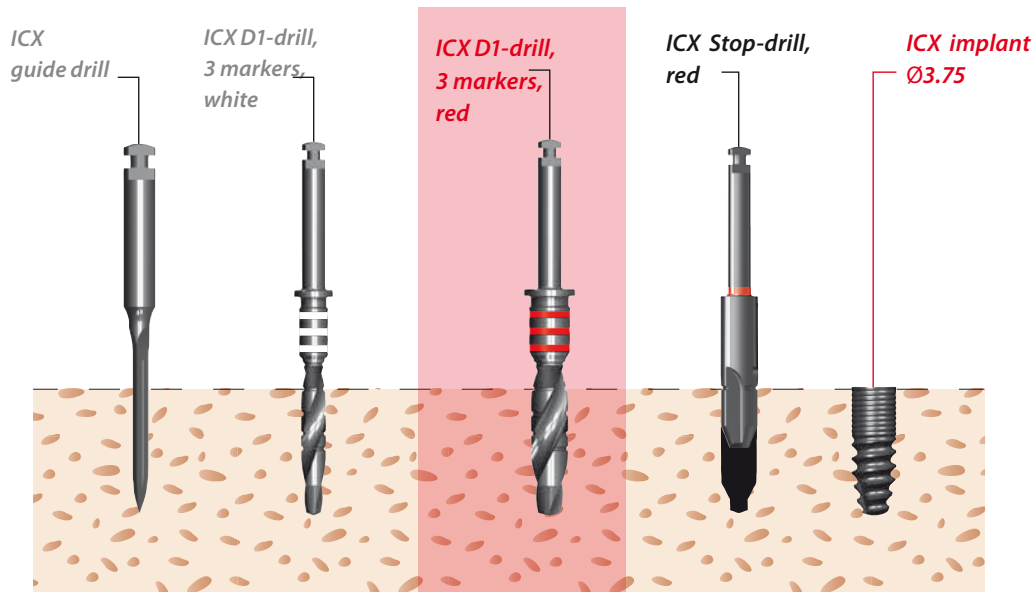
## Drilling sequence for soft to medium hard bones

Please only use drills with 2 color markers.

**Important Note:** drills for soft/medium-hard bones D2/D3, are labeled with 2 red markers



# D1 drilling sequence for ICX-templant® Ø 3.75mm



## Drilling sequence for hard bones

Please only use drills with 3 color markers.

**Important Note:** drills for hard bones D1, are labeled with 3 red markers



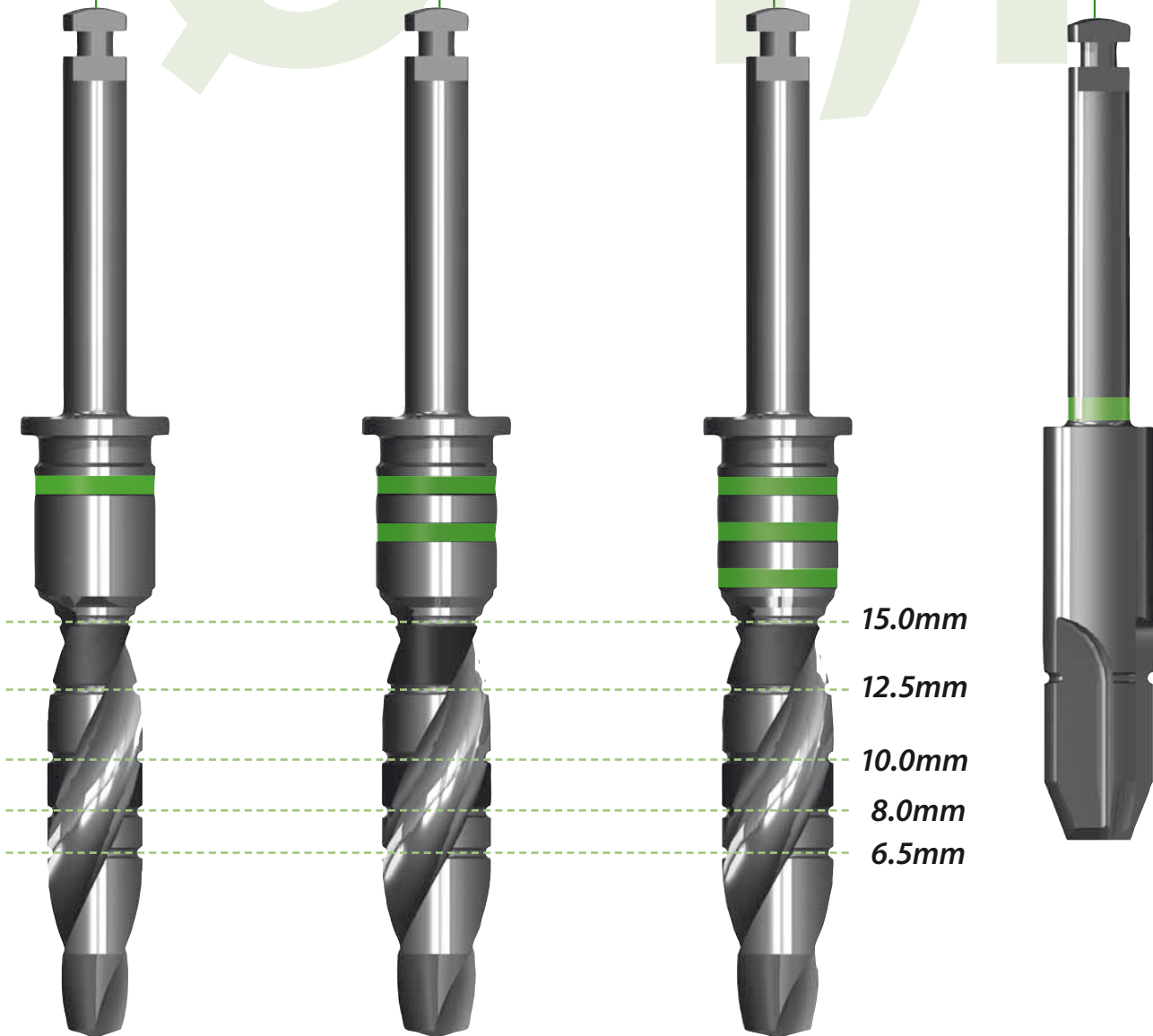
# Surgical procedure for ICX-templant® Ø 4.1mm

Drill for  
very soft bone,  
D4

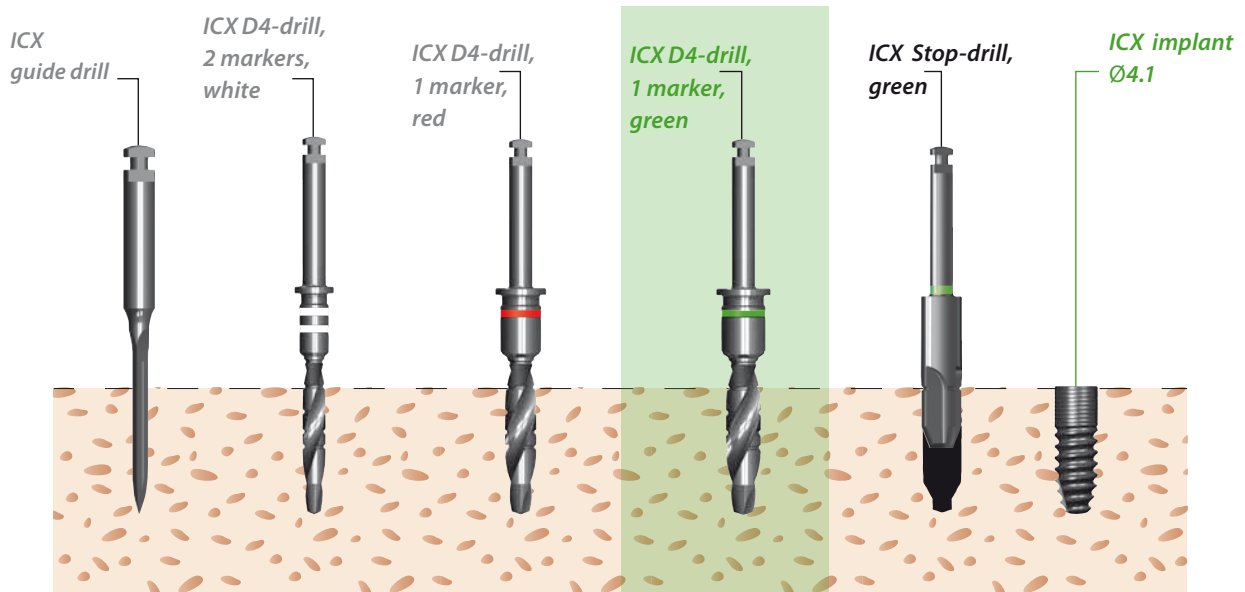
Drill for soft/  
medium-hard bones,  
D3/D2

Drill for  
hard bones,  
D1

ICX stop drill,  
mandatory use



# D4 drilling sequence for ICX-templant® Ø 4.1mm



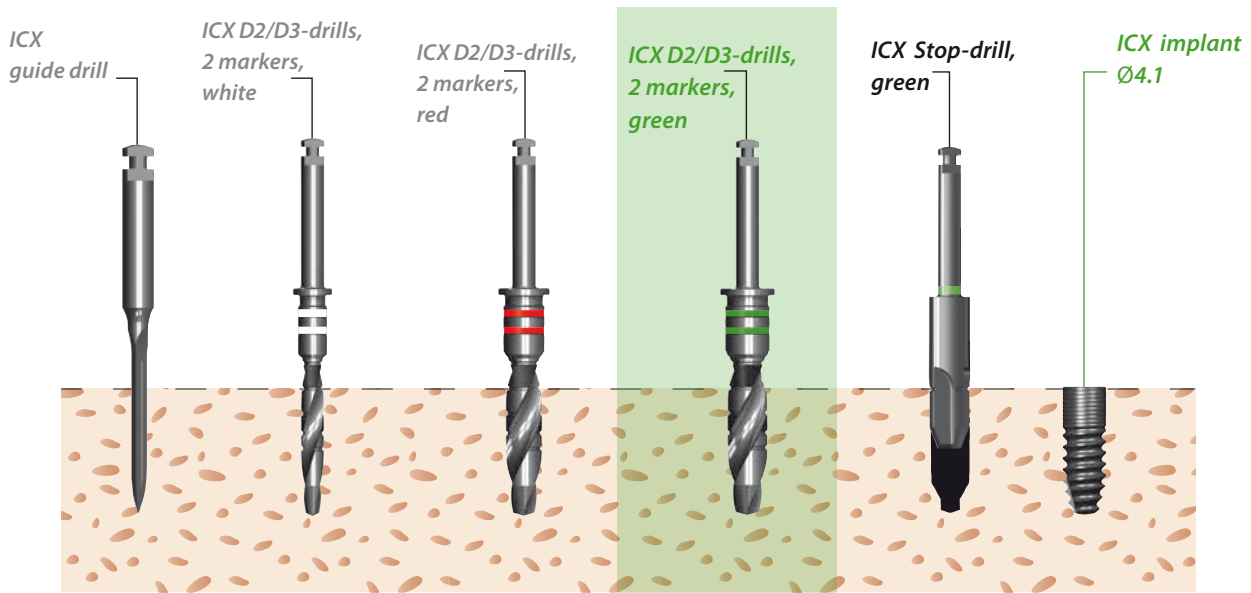
## Drilling sequence for very soft bone

Please only use drills with 1 color marker.

**Important Note:** drills for very soft bones D4, are labeled with 1 green marker



# D2/D3 drilling sequence for ICX-templant® Ø 4.1mm



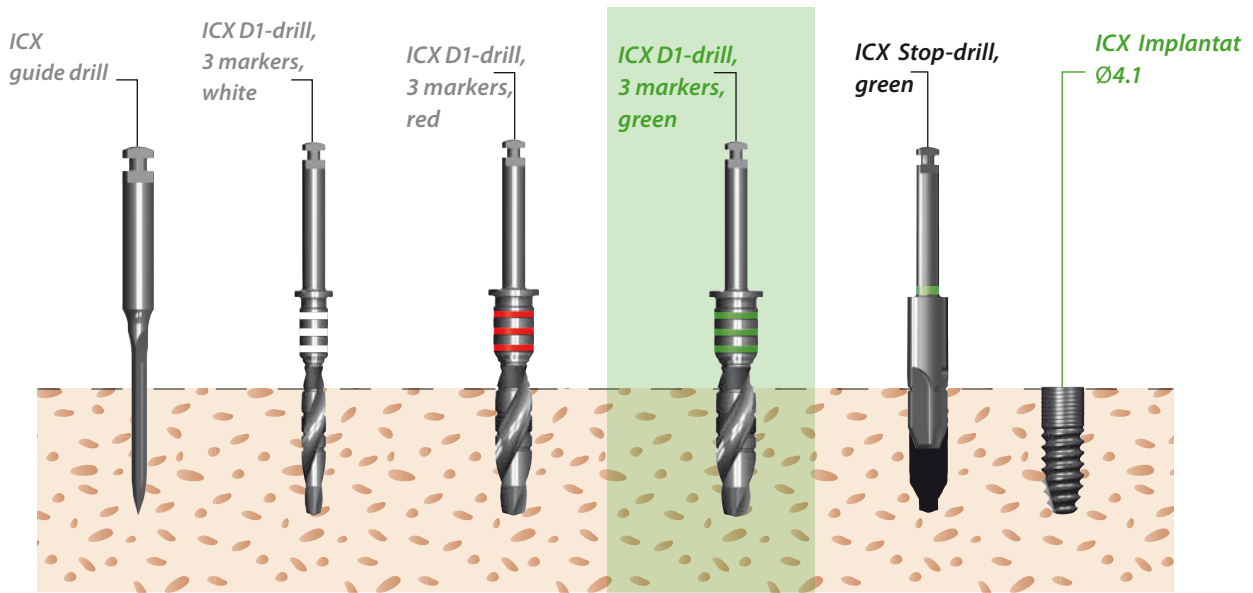
## Drilling sequence for soft to medium hard bones

Please only use drills with 2 color markers.

**Important Note:** drills for soft/medium-hard bones D2/D3, are labeled with 2 green markers



# D1 drilling sequence for ICX-templant® Ø 4.1mm



## Drilling sequence for hard bones

Please only use drills with 3 color markers.

**Important Note:** drills for hard bones D1, are labeled with 3 green markers



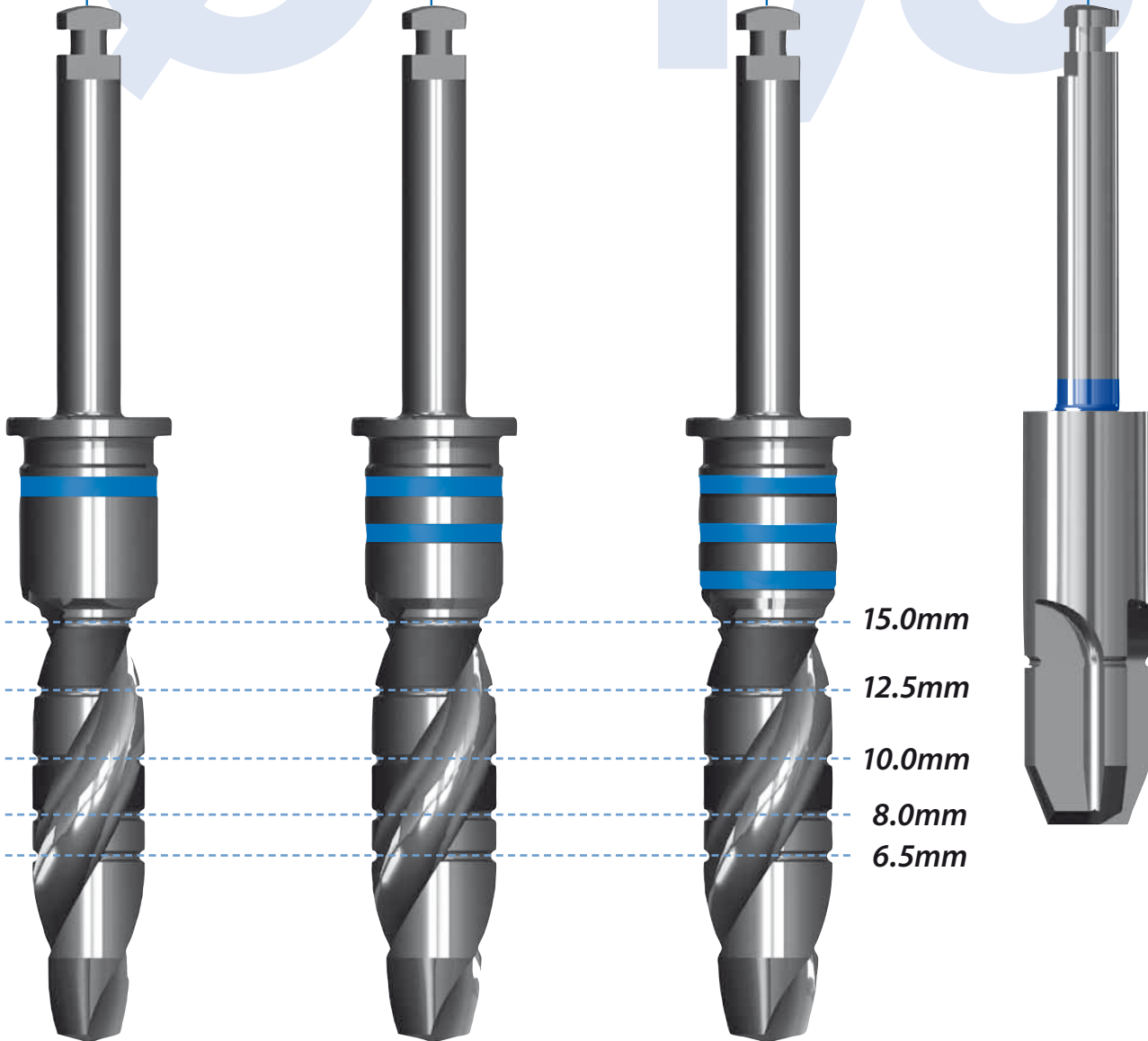
# Surgical procedure for ICX-templant® Ø 4.8mm

Drill for  
very soft bone,  
D4

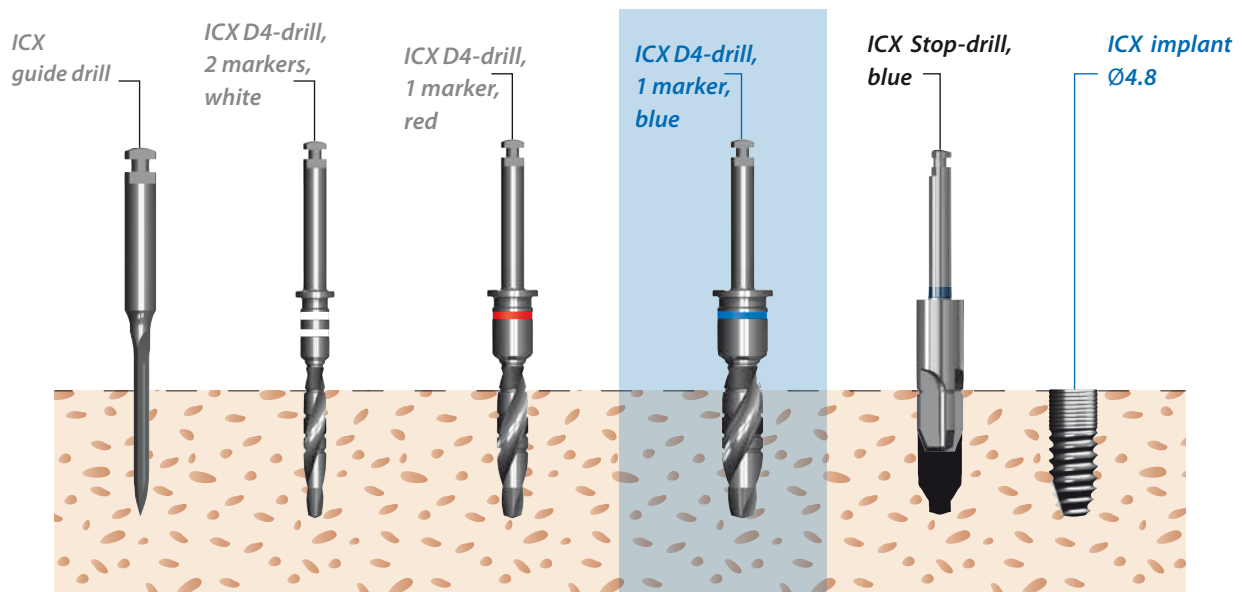
Drill for soft/  
medium-hard bones,  
D3/D2

Drill for  
hard bones,  
D1

ICX stop drill,  
mandatory use



# D4 drilling sequence for ICX-templant® Ø 4.8mm



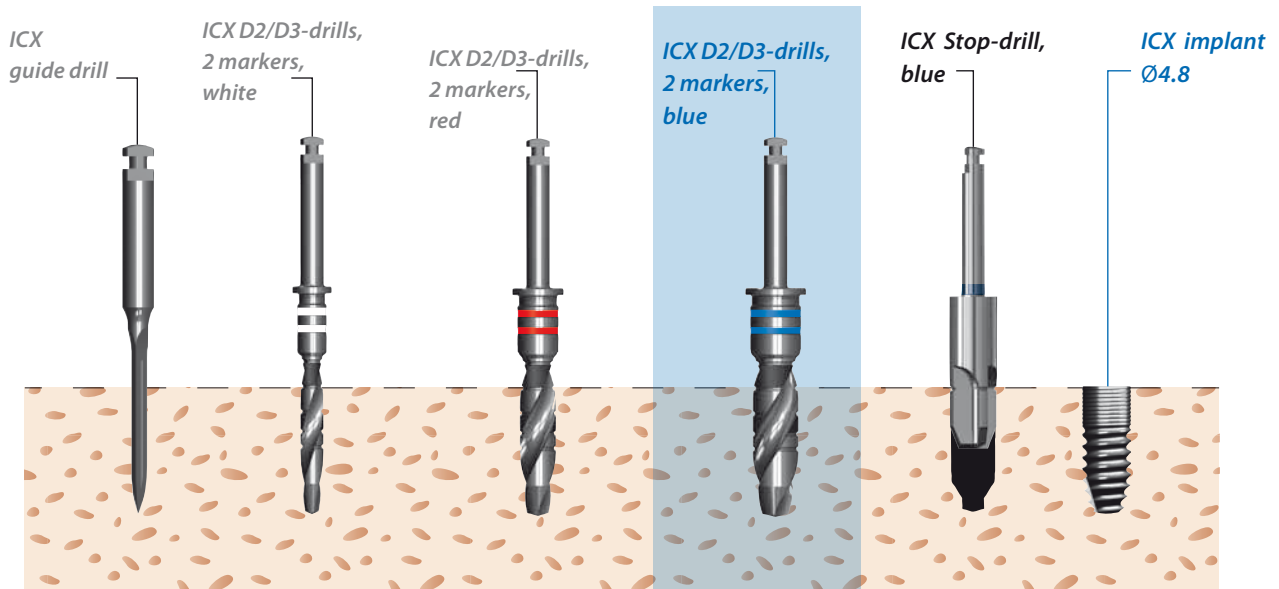
## Drilling sequence for very soft bone

Please only use drills with 1 color marker.

**Important Note:** drills for very soft bones D4, are labeled with 1 blue marker



# D2/D3 drilling sequence for ICX-templant® Ø 4.8mm



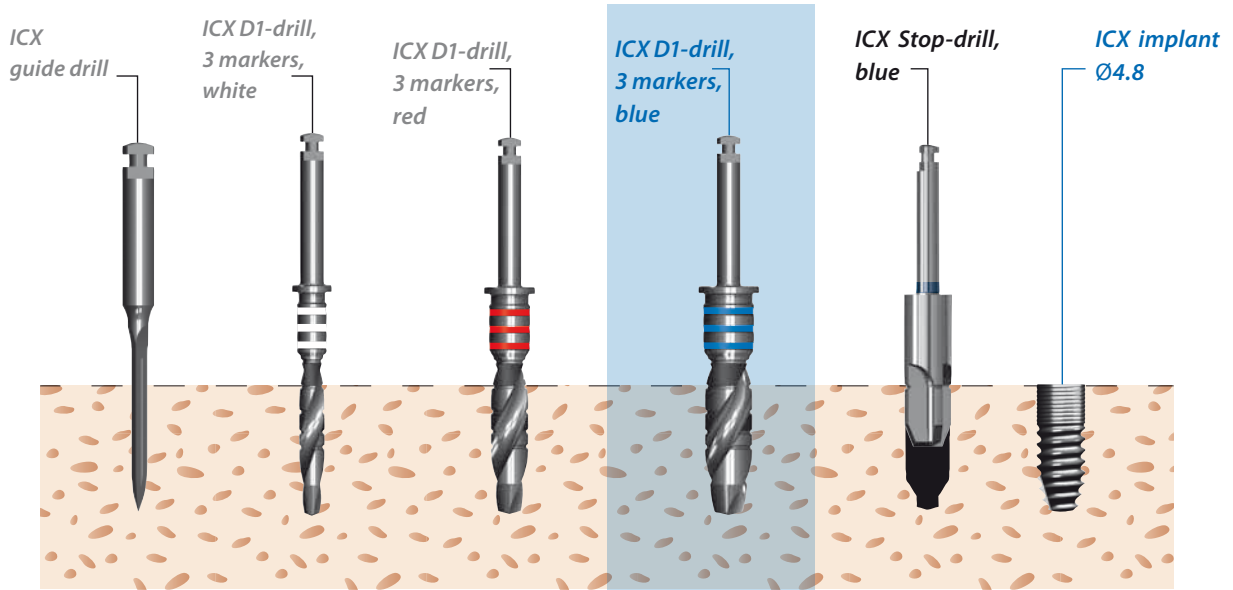
## Drilling sequence for soft to medium hard bones

Please only use drills with 2 color markers.

**Important Note:** drills for soft/medium-hard bones D2/D3, are labeled with 2 blue markers



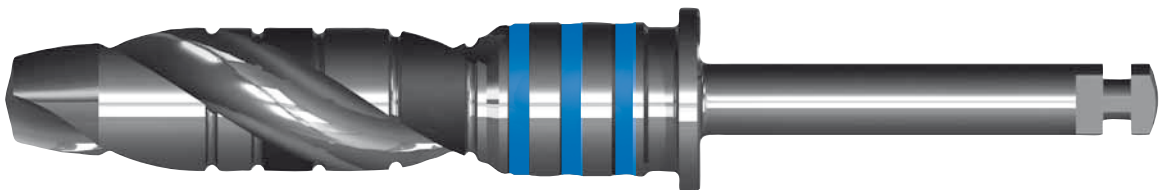
# D1 drilling sequence for ICX-templant® Ø 4.8mm



## Drilling sequence for hard bones

Please only use drills with 3 color markers.

**Important Note:** drills for hard bones D1, are labeled with 3 blue markers



# Handling/Insertion of the ICX templant®

ICX torque wrench  
Driver short and medium



Compatibly to elbow  
and hand adapter

ICX torque wrench  
Driver inserted in hand-driver



ICX torque wrench  
Inserted in the dental motor



Sterile ICX-package



Extraction of the ICX templant®  
with the ICX torque wrench driver



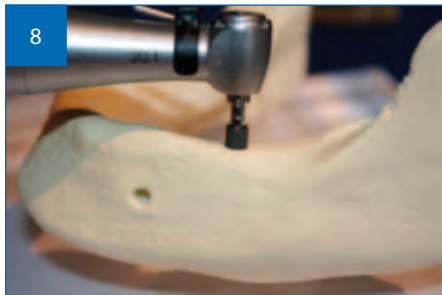
Extraction of the ICX templant®  
with the ICX torque wrench driver



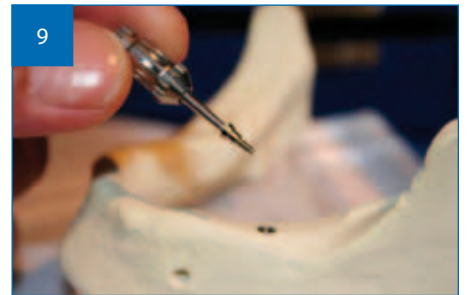
Extraction of the ICX templant®  
with the ICX torque wrench driver



Insertion of the  
ICX templant®



Insertion of the  
cover cap



Finally inserted  
cover cap

