... optimized surgical protocol
for ICX-Implants ...
ICX-SURGICAL MANUAL 7.0

ICX-Shop: www.medentis.de

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Explanation of the colour coding of the ICX drills

**ICX-plus** drills for implant diameter 3.45 belong to the **YELLOW** colour scheme.
Drills have yellow colour bands subject to the bone quality (very soft, soft, hard).

- 1 yellow band for very soft bone D4
- 2 yellow bands for soft/medium hard bone D3/D2
- 3 yellow bands for hard bone D1

**ICX-PREMIUM** drills for implant diameter 3.75 belong to the **RED** colour scheme.
Drills have red colour bands subject to the bone quality (very soft, soft, hard).

- 1 red band for very soft bone D4
- 2 red bands for soft/medium hard bone D3/D2
- 3 red bands for hard bone D1

**ICX-PREMIUM** drills for implant diameter 4.1 belong to the **GREEN** colour scheme.
Drills have green colour bands subject to the bone quality (very soft, soft, hard).

- 1 green band for very soft bone D4
- 2 green bands for soft/medium hard bone D3/D2
- 3 green bands for hard bone D1

**ICX-PREMIUM** drills for implant diameter 4.8 belong to the **BLUE** colour scheme.
Drills have blue colour bands subject to the bone quality (very soft, soft, hard).

- 1 blue band for very soft bone D4
- 2 blue bands for soft/medium hard bone D3/D2
- 3 blue bands for hard bone D1
Explanation of the colour coding of the ICX drills

**ICX-plus drills for implant diameter 3.45** belong to the **YELLOW** colour scheme.

Drills have yellow colour bands subject to the bone quality (very soft, soft, hard).
- 1 yellow band for very soft bone D4
- 2 yellow bands for soft/medium hard bone D3/D2
- 3 yellow bands for hard bone D1

**Colour coding example:**
- Yellow = 3.45 implant diameter
- 1 yellow band = drill for very soft bone D4

**ICX-PREMIUM drills for implant diameter 3.75** belong to the **RED** colour scheme.

Drills have red colour bands subject to the bone quality (very soft, soft, hard).
- 1 red band for very soft bone D4
- 2 red bands for soft/medium hard bone D3/D2
- 3 red bands for hard bone D1

**Colour coding example:**
- Red = 3.75 implant diameter
- 1 red band = drill for very soft bone D4

**ICX-PREMIUM drills for implant diameter 4.1** belong to the **GREEN** colour scheme.

Drills have green colour bands subject to the bone quality (very soft, soft, hard).
- 1 green band for very soft bone D4
- 2 green bands for soft/medium hard bone D3/D2
- 3 green bands for hard bone D1

**Colour coding example:**
- Green = 4.1 implant diameter
- 1 green band = drill for very soft bone D4

**ICX-PREMIUM drills for implant diameter 4.8** belong to the **BLUE** colour scheme.

Drills have blue colour bands subject to the bone quality (very soft, soft, hard).
- 1 blue band for very soft bone D4
- 2 blue bands for soft/medium hard bone D3/D2
- 3 blue bands for hard bone D1

**Colour coding example:**
- Blue = 4.8 implant diameter
- 1 blue band = drill for very soft bone D4
Explanation of the colour coding of the ICX-mini®- Ø 2.9mm drills

ICX-mini drills for implant diameter 2.9 belong to the WHITE colour scheme.
ICX mini drills have white colour bands subject to the bone quality (very soft, soft, hard).

- 2 white bands for very soft to medium hard bone D4 to D2 oder D4, D3 and D2
- 3 white bands for hard bone D1

Colour coding example:
White = 2.9 implant diameter
2 white bands = drill for soft to medium hard bone D4/D3/D2

Important:

The ICX-mini implant with a 2.9 mm diameter is designed for the use with ball abutments from the t-ecco system.

Its use to support other prosthetics than the t-ecco system is only indicated in a very limited number of circumstances.
Surgical procedure for **ICX-mini® Ø 2.9mm**

- **Two bands:**
  - Drills for very soft to medium hard bone, D2/D3/D4

- **Three bands:**
  - Drills for hard bone, D1

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Ø 2.9

- 12.5mm
- 10.0mm
- 8.0mm
- 6.5mm

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**Explanation of the colour coding of the ICX-mini®– Ø 2.9mm drills**

- From 400 rpm
- From 25 rpm

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

Drilling sequence for very soft to medium hard bone.

Please use drills with 2 bands only.

*Note: Drills for very soft to medium hard bone D2/D3/D4 are labeled with 2 white bands*
D1 drilling sequence for **ICX-mini® Ø 2.9mm**

**Drilling sequence for hard bone.**

Please use drills with 3 bands only.

**Note:** Drills for hard bone D1, are labeled with 3 white bands

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Important note for the prosthetic procedures for all ICX-plus implants.

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

Both the open and the closed tray impression posts fit on the ICX and ICX-plus implants. However, the universal lab analogs differ.

It is therefore important that the dental technician is informed whether an ICX or ICX-plus implant was placed.

This is especially the case for very low mucosal highs where the ICX-plus implant offers an abutment with 0 mm gingiva height.

This straight titanium abutment with 0 mm gingiva height was specifically developed for ICX-plus implants and only fits these. All other prosthetics components fit both ICX and ICX-plus implants.

**Questions?**

For more information please call:

**Phone: +49 (0)2641 9110-0**

E-Mail: info@medentis.de

www.medentis.de

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Important Note + Important Note!
Important note for the prosthetic procedures for all ICX-plus implants.

Specificity for all ICX-plus implants.

For the **ICX-plus implant Ø 3.45 mm**, we recommend the use of
**ICX-plus universal lab analog art-no. C-006-010002.**

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We do not recommend the use of
the analog
art-no. C-006-010001
ICX-plus implant Ø 3.45mm!

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Surgical procedure for **ICX-plus® Ø 3.45mm**

- **Drill for very soft bone**
  - D4

- **Drill for soft/medium-hard bone**
  - D3/D2

- **Drill for hard bone**
  - D1

- **ICX stop drill**
  - (mandatory use)

10.0mm

12.5mm

15.0mm

8.0mm

6.5mm

**from 400 rpm**

**ICX-Drill rpm**

**Ø 3.45mm**

**from 25 rpm**

**ICX-Implant rpm**

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Drilling sequence for very soft bone

Please use drills with 1 colour band only.

Note: Drills for very soft bone D4, are labeled with 1 yellow band

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Drilling sequence for soft to medium hard bone

Please use drills with 2 colour bands only.

**Note:** Drills for soft/medium-hard bone D2/D3, are labeled with 2 yellow bands
Drilling sequence for hard bone

Please use drills with 3 colour bands only.

**Note:** Drills for hard bone D1, are labeled with 3 yellow bands.
**Surgical procedure for ICX-PREMIUM Ø 3.75mm**

- **Drill for very soft bone, D4**
- **Drill for soft/medium-hard bone, D3/D2**
- **Drill for hard bone, D1**
- **ICX stop drill, (mandatory use)**

**The drilling depth should be between 1 to 6 mm depending on the thickness of the cortical bone.**

The black depths marks are placed at 8, 10 and 12 mm from the tip of the drill and are an aid to help to estimate the soft tissue levels intraoperatively.

**Control of soft tissue levels during drilling**

6 mm max. drilling depth

**Stop drill**

The use of the stop drill is mandatory to fully finish the preparation of the implant site.

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Drilling sequence for very soft bone

Please use drills with 1 colour band only.

Note: Drills for very soft bone D4, are labeled with 1 red band

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Drilling sequence for soft to medium hard bone

Please use drills with 2 colour bands only.

**Note:** Drills for soft/medium-hard bone D2/D3, are labeled with 2 red bands
Drilling sequence for hard bone

Please use drills with 3 colour bands only.

Note: Drills for hard bone D1, are labeled with 3 red bands
Surgical procedure for ICX-PREMIUM Ø 4.1mm

Drill for very soft bone, D4
Drill for soft/medium-hard bone D3/D2
Drill for hard bone D1
ICX stop drill, (mandatory use)

The drilling depth should be between 1 to 6 mm depending on the thickness of the cortical bone. The black depths marks are placed at 8, 10 and 12 mm from the tip of the drill and are an aid to help to estimate the soft tissue levels intraoperatively.

Stop drill
The use of the stop drill is mandatory to fully finish the preparation of the implant site.

Control of soft tissue levels during drilling
6mm max. drilling depth
8mm
10mm
12mm

15.0mm
12.5mm
10.0mm
8.0mm
6.5mm
12mm
10mm
8mm

6mm max. drilling depth

depths marks for soft tissue levels
Drilling sequence for very soft bone

Please use drills with 1 colour band only.

**Note:** Drills for very soft bone D4, are labeled with 1 green band.
Drilling sequence for soft to medium hard bone

Please use drills with 2 colour bands only.

**Note:** Drills for soft/medium-hard bone D2/D3, are labeled with 2 green bands.
Drilling sequence for hard bone

Please use drills with 3 colour bands only.

**Note:** Drills for hard bone D1, are labeled with 3 green bands.
Surgical procedure for ICX-PREMIUM Ø 4.8mm

Drill for very soft bone, D4
Drill for soft/medium-hard bone D3/D2
Drill for hard bone D1
ICX stop drill, (mandatory use)

The drilling depth should be between 1 to 6 mm depending on the thickness of the cortical bone. The black depths marks are placed at 8, 10 and 12mm from the tip of the drill and are an aid to help to estimate the soft tissue levels intraoperatively.

Stop drill
The use of the stop drill is mandatory to fully finish the preparation of the implant site.

control of soft tissue levels during drilling

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Drilling sequence for very soft bone

Please use drills with 1 colour band only.

**Note:** Drills for very soft bone D4, are labeled with 1 blue band
Drilling sequence for soft to medium hard bone

Please use drills with 2 colour bands only.

Note: Drills for soft/medium-hard bone D2/D3, are labeled with 2 blue bands.
Drilling sequence for hard bone

Please use drills with 3 colour band only.

**Note:** Drills for hard bone D1, are labeled with 3 blue bands
Handling and Insertion of the ICX-PREMIUM

1. ICX torque wrench driver short and medium
2. ICX torque wrench driver inserted in hand-driver
3. ICX torque wrench inserted in the surgical handpiece

Compatible to elbow and hand adapter

4. Sterile ICX blister pack
5. Engagement of the ICX-PREMIUM with the ICX torque wrench driver
6. Pick up of the ICX-PREMIUM with the ICX torque wrench driver

7. Removal of the ICX-PREMIUM from the vial with the ICX torque wrench driver
8. Insertion of the ICX-PREMIUM
9. Insertion of the cover screw

Inserted cover screw

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„Already over 10,000 convinced ICX users confirm the premium quality of ICX products and our excellent ICX customer service.”

When will you change to ICX?

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Monday to Friday 7:30am to 7pm
Implants are a question of trust ...

medentis medical GmbH
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Germany
Phone: +49 (0)2641 9110-0 · Email: info@medentis.de
www.medentis.de
ICX-Family

Welcome to the ICX-Family!

ICX-PREMIUM  (Ø 3.75 · Ø 4.1 · Ø 4.8mm)
ICX-SlimBoy  (Narrow Implants Ø 3.2 · Ø 3.4mm)
ICX-ACTIVE-MASTER  (For aesthetically, demanding immediate placement Ø 3.75 · Ø 4.1 · Ø 4.8mm)
ICX-mini  (Implants with Ø 2.9mm)
ICX-plus  (Implants with Ø 3.45mm, with a smooth neck section)
ICX-ACTIVE-WHITE  (Ceramic-Implants)
ICX-MAGELLAN  (digital, guided surgery Software)

Future is now.

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