

SINGLE PART IMPLANTS

IMMEDIATE LOADING  
DENTAL IMPLANT  
SYSTEM  
**KOS<sup>®</sup> MINI**

# THE ADVANTAGES

OF THE ENDOSSEOUS DENTAL IMPLANT SYSTEM **KOS® MINI**

**KOS® MINI** implants are inserted into the bone self-tapping and under bone compression. The implants have a design-related high stability in soft as well as dense bone. Full osteotomy is not required for implantation as the implants are inserted into small pilot holes. Different matrices for individual retention allow up to 30° axial divergence between two implants. The original retention can be restored by replacing the O-ring.

The prescribed or recommended tightening torques for implants can be found on our website:

[www.implant.com/en/downloads](http://www.implant.com/en/downloads)

Immediate loading  
in the lower jaw is  
mostly possible

Minimally invasive  
procedure

Usually no bone  
augmentation  
necessary

Cost effective for the  
patient and dentist

Comes in a  
convenient set of  
four implants incl.  
accessories





Wide range  
of sizes

Enossal length      10 - 18 mm  
Enossal Ø            1.8 - 2.8 mm

Recovery of the  
original retention  
by replacing the  
O-ring

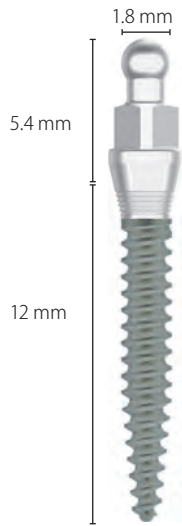


**No-Itis®**  
Laser Surface

The new surface treatment for Dr. Ihde Dental AG implants is created with the latest generation of robotic tools for laser ablation. This new technology of high precision creates roughness in the implant through a mesh of hemispherical micrometric pores, with a defined, always identical size and shape and with a symmetrical distribution. The result is a more adequate topography, which provides the most suitable conditions for the osseointegration of the implant, but at the same time it is, and behaves like, a smooth surface at a micrometric (cellular) level. This means that while bone grows well on this surface, the adhesion of bacteria to the same surface is significantly reduced.

A smooth  
surface that, in  
contact with the bone,  
is shaped like a  
rough surface

## KOS® MINI IMPLANTS



KOS Mini 1.8 12

| Enossal Ø     | Enossal length | Material | Height above bone | Max. insertion torque |
|---------------|----------------|----------|-------------------|-----------------------|
| <b>1.8 mm</b> | 10 mm          | Ti6AL4V  | 5.4 mm            | 25 Ncm                |
|               | 12 mm          |          |                   |                       |
|               | 15 mm          |          |                   |                       |
| <b>2.4 mm</b> | 12 mm          | Ti6AL4V  | 5.4 mm            | 40 Ncm                |
|               | 15 mm          |          |                   |                       |
|               | 18 mm          |          |                   |                       |
| <b>2.8 mm</b> | 12 mm          | Ti6AL4V  | 5.4 mm            | 60 Ncm                |
|               | 15 mm          |          |                   |                       |
|               | 18 mm          |          |                   |                       |

## KOS® MINI SET 1.8 10

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 1.8 10 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 1.3 mm |            |
| <b>455050</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |

## KOS® MINI SET 1.8 12

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 1.8 12 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 1.3 mm |            |
| <b>455051</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |

## KOS® MINI SET 1.8 15

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 1.8 15 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 1.3 mm |            |
| <b>455052</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |

## KOS® MINI SET 2.4 12

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 2.4 12 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 1.9 mm |            |
| <b>455053</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |

## KOS® MINI SET 2.4 15

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 2.4 15 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 1.9 mm |            |
| <b>455054</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |

## KOS® MINI SET 2.4 18

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 2.4 18 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 1.9 mm |            |
| <b>455055</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |

## KOS® MINI SET 2.8 12

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 2.8 12 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 2.3 mm |            |
| <b>455056</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |













## KOS® MINI SET 2.8 15

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 2.8 15 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 2.3 mm |            |
| <b>455057</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |

## KOS® MINI SET 2.8 18

| REF                                | Price cat. |
|------------------------------------|------------|
| KOS® Mini 2.8 18 (4 pieces)        |            |
| Drill for KOS® Mini DS<br>ø 2.3 mm |            |
| <b>455058</b>                      | <b>Q</b>   |
| Sleeve and O-ring (set of 4)       |            |

## ACCESSORIES

|   | Description  | Working length | Code           | REF    | Price cat. |
|---|--|----------------|----------------|--------|------------|
|    | Drill for KOS® Mini<br>ø 1.3 mm  | 15 mm          |                | 455318 | C          |
|    | Drill for KOS® Mini<br>ø 1.9 mm  | 18 mm          |                | 455319 | C          |
|    | Drill for KOS® Mini<br>ø 2.3 mm  | 18.4 mm        |                | 455320 | C          |
|    | Insertion tool short<br>12 mm  |                | IT K KOS® Mini | 462376 | D          |
|    | Insertion tool long<br>20 mm   |                | IT K KOS® Mini | 462374 | D          |
|   | Insertion tool<br>Two-part, for manual insertion   |                | IT H KOS® Mini | 462375 | D          |
|  | Torque wrench<br>10 - 70 Ncm   |                | TW2            | 425402 | S          |
|  | Impression post KOS® Mini<br>Pack of 4   |                |                | 462117 | A          |
|  | Analogue KOS® Mini<br>Pack of 4  |                |                | 462116 | A          |
|  | Sleeve KOS® Mini<br>For polymerizing into the prosthesis,<br>delivery with inserted O-ring |                |                | 462113 | B          |
|  | O-ring<br>For sleeves REF 462113 for replacement<br>Pack of 4                              |                |                | 462114 | B          |
|  | Depth-measurement-probe for KOS® Mini  |                |                | 462115 | A          |

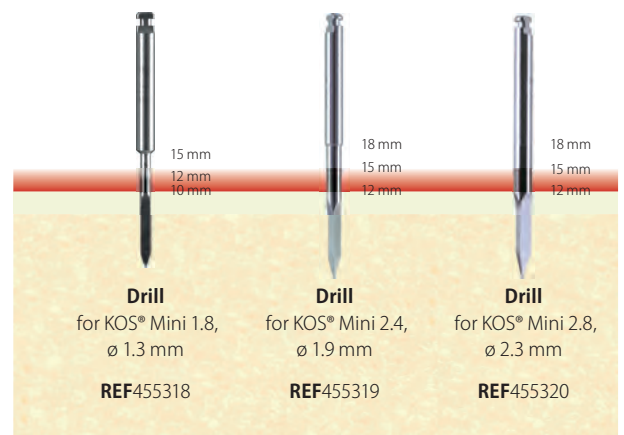
## SURGERY

### 1. Drilling and drill depth

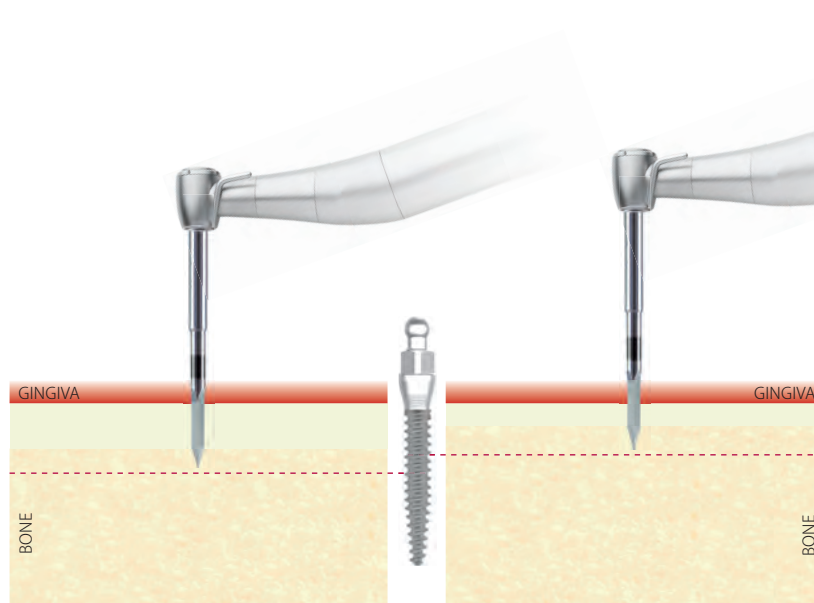
KOS® Mini implants are inserted into the bone with self-tapping and with bone compression. As a rule, an undersized pilot hole is sufficient.

**Recommended drill-speed:** min. 3.000 Rpm, with sufficient cooling and intermittent drilling technique.

**Note regarding hard bone:** The torque must not exceed 45 Ncm during insertion. Should this be the case, the implant must be rotated out and the drilling depth extended to 2/3 of the implant length.

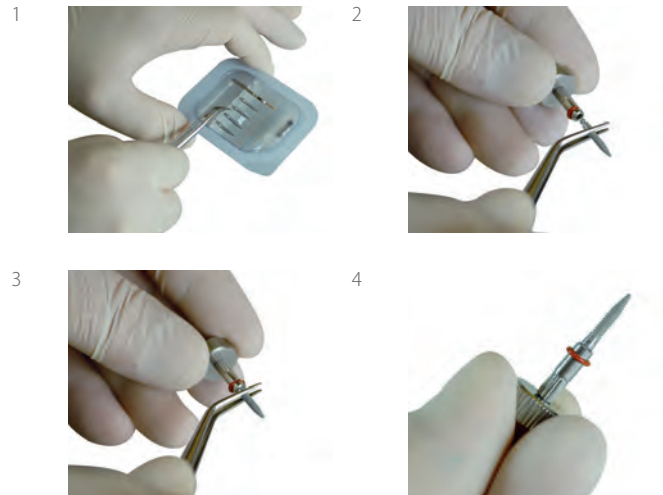


Drilling in hard bone:  
1/2 of the endosseous  
implant length



Drilling in soft bone:  
1/3 of the endosseous  
implant length

2. Removing the implant from the package



Same procedure with REF462374 / REF462376!

3. Insertion and placement



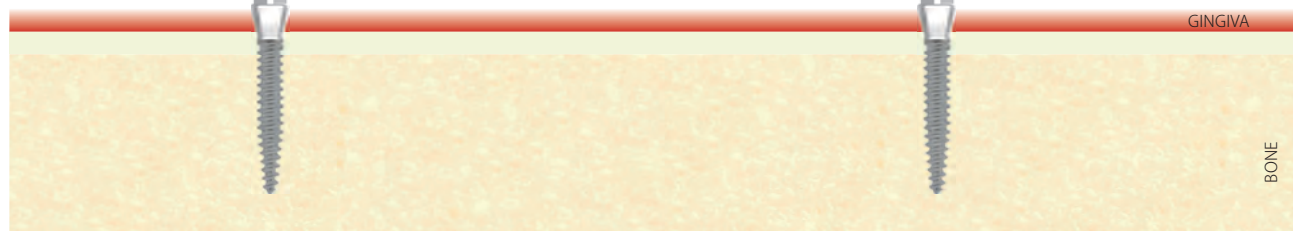
IT K  
KOS® Mini  
(short, 12 mm)  
REF462376



IT K  
KOS® Mini  
(long, 20 mm)  
REF462374



IT H KOS® Mini  
for manual insertion  
REF462375



We are certified according to DIN EN ISO 13485 and Annex II of Directive 93/42 EEC.  
The product dimensions shown in this brochure may differ from reality for technical reasons.

**KOS®** is a registered trademark. Pat. Pend.

If implants are reprocessed, there is a risk of the development of infections, because no validated method for processing exists.  
Implants therefore may not be reprocessed.

#### COMPILATION AND EXPLANATION OF SYMBOLS ON THE PACKAGING:



Batch No.



Sterilized by  
gamma radiation



Non-sterile



Intended for use  
by dentists or  
surgeons only



Single use  
product



Instruction  
for use



Expiry date



Store in a  
dry place



Store tightly  
keep closed



Do not use if packing  
is damaged



Do not  
resterilize



Manufacturer



Production  
date



Catalogue  
number

(The products of this catalogue are CE marked (class I) and CE 1936 marked (class IIa and IIb) according to 93/42/EC Directive).

Commercial products that are not monitored by our notified body are declared as third-party products.

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