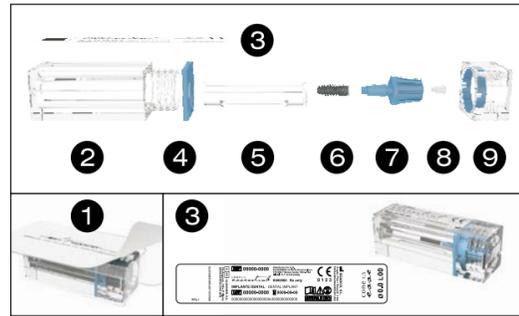


**PACKAGING**

The product Essential® Cone is supplied in a double package that guarantees optimal preservation and storage while maintaining sterility. It facilitates the manipulation of the implant securely until inserted into the surgical bone preparation.

- 1- WATERTIGHT BLISTER
- 2- PACKAGE BODY
- 3- IDENTIFICATION LABELS\*
- 4- COLOR WASHER ID
- 5- NON-TOUCH
- 6- IMPLANT
- 7- TRANSPORTER
- 8- COVER SCREW POM C
- 9- PACKAGE LID



\* THREE IDENTIFYING STICKERS FOR THE CLINICAL HISTORY AND A FOURTH LABEL TO FACILITATE ORDERS.

**NON-TOUCH**

**Step 1**

Non-sterile assistants must open the sealed blister [1] and drop the container and identifying labels on sterile field.

**Step 2**

Sterile assistants should unscrew package stopper [9] and drop cautiously the non-touch on a sterile field.

**Step 3**

The surgeon must pick up the non-touch block - transporter and disassemble the device carrier [7] from the non-touch block [5] combining a rotation movement followed by its removal.

**Step 4**

Insert the implant in the surgical bed and start manual threading with carrier [7] until it can't be tapped in further. Remove the carrier device.

**Step 5**

At this stage the clinician should decide whether to continue with implant placement with a ratchet wrench, torque wrench or motor driven instrument.

**Step 6**

With the help of the star adapter, in those cases of two-stage surgery, remove the implant cover screw from the carrier device. This is done by fitting the star adapter on the implant cover screw with light pressure followed by turning it counter-clockwise.

**Step 7**

Tighten fully the implant cover screw.



**WARNINGS**

THE MATERIAL MUST BE PERFECTLY PACKAGED. OTHERWISE GET IN TOUCH WITH THE OFFICIAL DEALER.

NOT TO BE USED IN THE EVENT THAT THE CONTAINER IS OPEN, DAMAGED OR HAS EXPIRED. ANY STERILE MATERIAL OR SINGLE USE DESIGNED MATERIAL SHOULD NOT BE REUSED UNDER ANY CIRCUMSTANCES SINCE THE GOOD QUALITY CONDITIONS AND STERILITY PROVIDED BY THE PRODUCT HAS BEEN LOST AS WELL AS THE BENEFITS OF ITS USE.

*essential*

**Klockner®** implant system

cone *essential* cone 1.5 *essential*  
**IMPLANTS**

**reference listing**

10 35 08	ESSENTIAL CONE IMPLANT Ø 3.5 X 08 MM	15 35 08	ESSENTIAL CONE IMPLANT 1.5 Ø 3.5 X 08 MM
10 35 10	ESSENTIAL CONE IMPLANT Ø 3.5 X 10 MM	15 35 10	ESSENTIAL CONE IMPLANT 1.5 Ø 3.5 X 10 MM
10 35 12	ESSENTIAL CONE IMPLANT Ø 3.5 X 12 MM	15 35 12	ESSENTIAL CONE IMPLANT 1.5 Ø 3.5 X 12 MM
10 35 14	ESSENTIAL CONE IMPLANT Ø 3.5 X 14 MM	15 35 14	ESSENTIAL CONE IMPLANT 1.5 Ø 3.5 X 14 MM
10 40 08	ESSENTIAL CONE IMPLANT Ø 4.0 X 08 MM	15 40 06	ESSENTIAL CONE IMPLANT 1.5 Ø 4.0 X 06 MM
10 40 10	ESSENTIAL CONE IMPLANT Ø 4.0 X 10 MM	15 40 08	ESSENTIAL CONE IMPLANT 1.5 Ø 4.0 X 08 MM
10 40 12	ESSENTIAL CONE IMPLANT Ø 4.0 X 12 MM	15 40 10	ESSENTIAL CONE IMPLANT 1.5 Ø 4.0 X 10 MM
10 40 14	ESSENTIAL CONE IMPLANT Ø 4.0 X 14 MM	15 40 12	ESSENTIAL CONE IMPLANT 1.5 Ø 4.0 X 12 MM
10 45 08	ESSENTIAL CONE IMPLANT Ø 4.5 X 08 MM	15 40 14	ESSENTIAL CONE IMPLANT 1.5 Ø 4.0 X 14 MM
10 45 10	ESSENTIAL CONE IMPLANT Ø 4.5 X 10 MM	15 45 06	ESSENTIAL CONE IMPLANT 1.5 Ø 4.5 X 06 MM
10 45 12	ESSENTIAL CONE IMPLANT Ø 4.5 X 12 MM	15 45 08	ESSENTIAL CONE IMPLANT 1.5 Ø 4.5 X 08 MM
10 45 14	ESSENTIAL CONE IMPLANT Ø 4.5 X 14 MM	15 45 10	ESSENTIAL CONE IMPLANT 1.5 Ø 4.5 X 10 MM
10 48 08	ESSENTIAL CONE IMPLANT Ø 4.8 X 08 MM	15 45 12	ESSENTIAL CONE IMPLANT 1.5 Ø 4.5 X 12 MM
10 48 10	ESSENTIAL CONE IMPLANT Ø 4.8 X 10 MM	15 45 14	ESSENTIAL CONE IMPLANT 1.5 Ø 4.5 X 14 MM
10 48 12	ESSENTIAL CONE IMPLANT Ø 4.8 X 12 MM	15 48 08	ESSENTIAL CONE IMPLANT 1.5 Ø 4.8 X 08 MM
10 48 14	ESSENTIAL CONE IMPLANT Ø 4.8 X 14 MM	15 48 10	ESSENTIAL CONE IMPLANT 1.5 Ø 4.8 X 10 MM
		15 48 12	ESSENTIAL CONE IMPLANT 1.5 Ø 4.8 X 12 MM
		15 48 14	ESSENTIAL CONE IMPLANT 1.5 Ø 4.8 X 14 MM

COLOR CODE	SURGICAL DIAMETER	SHOULDER DIAMETER
RED	3.5 MM	4.5 MM
BLUE	4.0 MM	4.5 MM
BLACK	4.5 MM	4.5 MM
GREEN	4.8 MM	6.0 MM

Color table - diameter, drills, and implants.

All KLOCKNER® IMPLANT SYSTEM products comply with the laws and regulations applicable to medical devices, such as: European directives MDD 93/42/ECC modified by 2007/47EC · Regulations of the United States FDA 21CFR 820 · Quality standards EN ISO 13485 and other applicable standards and regulations.



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**WARNING**  
NOT ALL KLOCKNER® IMPLANTS SYSTEM PRODUCTS ARE AVAILABLE IN EVERY COUNTRY



www.klocknerimplantsystem.com

## ESSENTIAL® CONE 0.7 and 1.5 IMPLANTS

Essential® Cone, the internal connection system for the KLOCKNER® IMPLANT SYSTEM has been specially studied and designed to provide prosthetic and surgical solutions in implant dentistry.

The KLOCKNER® IMPLANT SYSTEM products are the result of:

- Demanding quality standards [CE, FDA]
- Latest technological innovations
- Twenty years of accumulated experience in the field of implantology.

The keys to our success are based on the characteristics that define the KLOCKNER® IMPLANT SYSTEM philosophy:

- Innovation
- Safety
- Simplicity
- Esthetics

The implant Essential® Cone is made of commercially pure titanium grade III.

The surface is treated by Shot Blasting to achieve greater bone apposition and better stability. Passive surface acidification treatment is provided in order to form a stable layer of titanium oxide to avoid ion leakage to the physiological environment.

### GENERAL CLINICAL CONSIDERATIONS

The recommendations and clinical warnings described herein are just general guidelines. The clinicians must apply their knowledge and judgment to determine if these guidelines are appropriate in each case.

Physiological and anatomical conditions can negatively affect the efficacy of dental implants. Important parameters to take into account when placing dental implants are:

- Poor osseous quality
- Poor oral hygiene
- Medical pathologies
- Tobacco use

### PRODUCT WARNINGS

EXCESSIVE COMPRESSION IN RECIPIENT BONE MAY INHIBIT IMPLANT OSSEOINTEGRATION.

NOT FOLLOWING THE STEPS DESCRIBED DURING THE SURGICAL PROCEDURES CAN LEAD TO:

- LACK OF PRIMARY STABILITY BY LOSS OF BONE SUPPORT
- IMPLANT INSERTION DIFFICULTIES

EXCEEDING TORQUE VALUES [45 Ncm] DURING IMPLANT INSERTION MAY CAUSE:

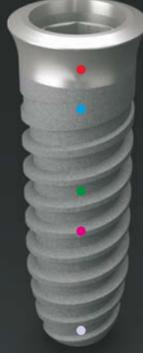
- IRREVERSIBLE DEFORMATION OF THE INTERNAL CONNECTION.
- IRREVERSIBLE DEFORMATION OF IMPLANT INSERTION INSTRUMENTS.
- DIFFICULTIES IN DISMOUNTING THE INSTRUMENT/IMPLANT BLOCK

**DO NOT USE THE 6 MM IMPLANTS FOR SINGLE RESTORATIONS OR AS SUPPORT AND/OR RETENTION OF MUCOUS-SUPPORTED PROSTHESIS WITH RETENTIVE BUTTONS, BALL ATTACHMENTS OR LOCATOR ANCHORAGE SYSTEMS.**

*cone essential*



*cone 1.5 essential*



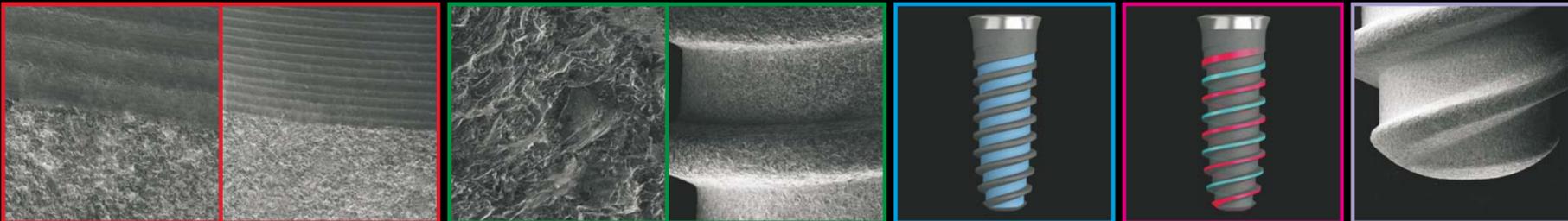
**MACHINED COLLARS**  
Allow for connection gaps to be placed supracrestal. The surface rugosity favors soft tissue sealing.

**SURFACE TREATMENT**  
Increases contact surface.

**PROGRESSIVE CORE**  
It provides easy implant insertion and optimal load distribution.

**DOUBLE THREAD**  
Reduces the surgical time.

**SELF-TAPING APEX**  
This feature allows reaching compromised anatomical sites without endangering them.



UPC KLOCKNER

IMAGES MADE BY THE KLOCKNERUPC CHAIR, USING FOCUSED ION BEAM TECHNOLOGY [FIB].

The Essential Cone implant is a double-threaded implant that inserts easily and permits addressing compromised anatomical areas thanks to the non-traumatic apex and variation of lengths. The progressive core serves to compact bone providing excellent primary stability even in low density bone.

Its cervical level design allows for placement following the Semi-Submerged Technique [SST]<sup>1</sup> thus generating an optimal biological seal that prevents bone resorption induced by bacterial leakage through the connection gap.

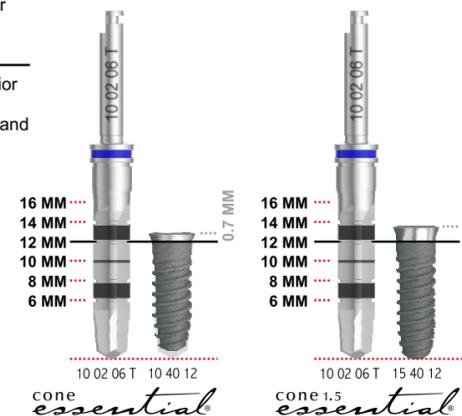
There are two options to choose from according to the situation, density and thickness of gingiva or prosthesis type:

*cone essential*

The 0.7 mm implant is for highly compromised anterior sections or translucent gingiva and/or thin gingiva [fine biotype].

*cone 1.5 essential*

The 1.5 mm implant is for posterior areas with or without esthetic limitations, gingival hypertrophy, and overdentures.



<sup>1</sup>Padrós Fradera A, Sada Moreno E, Calvo Mateo M. A. Técnica semisubmergida: optimización de enclá y hueso perimplantario. [Semi-submerged Technique: Periimplantary Bone and Gum Optimization] Rev. Esp. Odontostomatológica de implantantes 1996;4 (2):97-101.

The internal connection of the implant is made up of a double cone with an octagon in its middle. The combination of both guarantees the stability of the implant-prosthesis complex. The prosthetic platform offers an excellent structure seat thanks to its 20° shoulder.



**6° DOUBLE CONE**  
This reduces prosthesis "leverage". It provides precision alignment of the abutment. It produces "cold welding" during final placement of the prosthesis, applying 30 Ncm torque.

**OCTAGON**  
It guarantees repositioning of the Octacone®.

**20° SHOULDER**  
It provides an excellent prosthetic fitting surface to the supra-structure. It distributes masticatory loads thus decreasing tension within the supra-structure.

**PRODUCT WARNING**  
TO AVOID THE "COLD WELDING" EFFECT DURING IN-MOUTH PROSTHETIC TRIALS DO NOT EXERT FULL TIGHTENING FORCE. DURING FINAL PLACEMENT A 30 NCM TORQUE SHOULD BE APPLIED.

*cone essential* *cone 1.5 essential*  
**IMPLANTS**