

essential

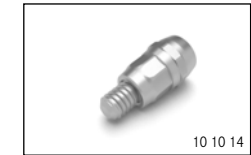


**Klockner**® implant system

12°  
**OCTACONE**®  
*essential*®  
prosthodontic system

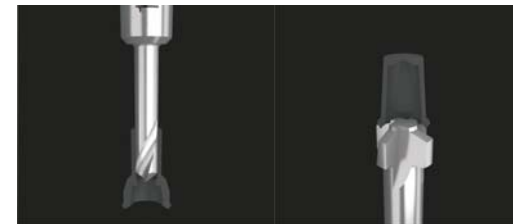
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**SHOULDER REAMER** 10 15 02  
The shoulder reamer is used to polish the seating area of the supra-structure in both standard and wide platform in order to eliminate possible irregularities from the casting process. It is recommended to use high gold content alloys.

**ACCESS HOLE REAMER** 10 15 01  
Once the burn-outs [castable] are casted it is used to polish screw seating areas leaving them free from possible irregularities from the casting process.



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

**Klockner**® implant system

[www.klocknerimplantsystem.com](http://www.klocknerimplantsystem.com)

# 12° OCTACONE®



## 6° DOUBLE CONE

It provides precise abutment alignment. The final placement of the Octacone® affords the “cold welding” effect by applying a torque force of 30 Ncm. It reduces prosthetic leverage forces.

## INTERNAL OCTAGONE

Guarantees Octacone® repositioning.

## FIXTURE

It includes a star connecting type retaining screw. The screw must be tightened correctly to the abutment [counter-clockwise] before placing the abutment on the analog and/or implant. It keeps the block assembly fixed. The application of the recommended torque force will produce the “cold welding” effect. The screw provides an extraction system by which it unblocks the “cold welding” effect when removing the abutment from the analog and/or implant.

## EXTERNAL OCTAGON

This guarantees the repositioning of single unit, screw-retained crowns.

## EXTERNAL CONE

It allows for the insertion of multiple unit screw retained structures.



It consists of a double Octagon [internal & external] and a supportive screw with conical head. It transforms the internal connection into a 12° conical octagonal external connection with 2 mm in height.

It is indicated for the making of screw-retained prosthesis, whether single unit with the octagonal burn-out pattern castable or multiple with the circular burn-out pattern.

The use of Titanium abutments [octagonal in single unit and circular in multiple units] is recommended for the construction of an immediate loading and/or interim prostheses. During placement of the 12° Octacone®, the Octagon should be positioned in the implant and should be retained by the supportive screw by using the Star type screwdriver [pillars].

USE WITH 3.5 - 4.0 - 4.5 AND 4.8 MM DIAMETER

12° OCTACONE ABUTMENT 10 10 14



APPLICATION WITH STAR CONNECTION FOR ABUTMENTS  
FINAL PLACEMENT WITH GAUGED WRENCH FORCE OF 30 NCM



STAR SCREW\* 10 11 01

STAR CONNECTION USAGE

FINAL PLACEMENT WITH GAUGED WRENCH FORCE OF 25 NCM

\* In those cases where the star screw stands out through the implant access hole, we recommend the use of the cross head screw.



CRUCIFORM SCREW 10 11 02

APPLICATION OF THE CROSS HEAD CONNECTION

FINAL PLACEMENT WITH GAUGED WRENCH FORCE OF 25 NCM

## WARNING

DO NOT APPLY TIGHTENING FORCES [5 NCM MAXIMUM] ON THE OCTACONE® ABUTMENTS DURING CONSTRUCTION OF THE PROsthESIS UNTIL FINAL PLACEMENT, WHERE A TORQUE FORCE OF 30 NCM IS REQUIRED. A TORQUE FORCE OF 25 NCM IS REQUIRED FOR THE SUPRA-STRUCTURE RETAINING SCREWS. IT IS IMPORTANT NOT TO EXCEED A TORQUE FORCE OF 30 NCM.



USE WITH 3.5 - 4.0 - 4.5 MM DIAMETER

CIRCULAR CASTABLE - EC 12° 10 12 14

TO BE USED WITH SCREWS 10 11 02 / 10 11 01\*

TO BE PLACED OVER 10 10 14



USE WITH 4.8 MM DIAMETER

CIRCULAR CASTABLE - EC G 12° 10 12 14 G

TO BE USED WITH SCREWS 10 11 02 / 10 11 01\*

TO BE PLACED OVER 10 10 14



USE WITH 3.5 - 4.0 - 4.5 MM DIAMETER

CIRCULAR TI FITTING - EC 12° 10 13 14

TO BE USED WITH SCREWS 10 11 02 / 10 11 01\*

TO BE PLACED OVER 10 10 14



USE WITH 4.8 MM DIAMETER

CIRCULAR TI FITTING - EC G 12° 10 13 14 G

TO BE USED WITH SCREWS 10 11 02 / 10 11 01\*

TO BE PLACED OVER 10 10 14



USE WITH 3.5 - 4.0 - 4.5 MM DIAMETER

OCTAGONAL CASTABLE - EC 12° 10 12 14 U

TO BE USED WITH SCREWS 10 11 02 / 10 11 01\*

TO BE PLACED OVER 10 10 14



USE WITH 4.8 MM DIAMETER

OCTAGONAL CASTABLE - EC G 12° 10 12 14 GU

TO BE USED WITH SCREWS 10 11 02 / 10 11 01\*

TO BE PLACED OVER 10 10 14



USE WITH 3.5 - 4.0 - 4.5 MM DIAMETER

OCTAGONAL TI FITTING - EC 10 13 14 U

TO BE USED WITH SCREWS 10 11 02 / 10 11 01\*

TO BE PLACED OVER 10 10 14



USE WITH 4.8 MM DIAMETER

OCTAGONAL TI FITTING - EC G 10 13 14 GU

TO BE USED WITH SCREWS 10 11 02 / 10 11 01\*

TO BE PLACED OVER 10 10 14

12° OCTACONE® essential® prosthodontic system



CHIMNEY PROTECTOR 10 11 09

It consists of a device with cylindrical geometry that protects the access hole to the retaining screw by blocking internal wax contamination during wax-up procedures. It allows for burn-out pattern elevation thus leaving the access hole free by using the protector as a guide.



LAB SCREW 10 11 07

STAR CONNECTION USAGE

This is a long screw that retains the structures to the 12° Octacone® and the gold Octacone®. It allows for pick-up impressions.