

## PRODUCT WARNINGS

### IMPRESSION TAKING

General observations:

- Individual trays suitable for each case should be used for making the impressions.
- Likewise, quality materials are to be employed, following the manufacturer's instructions for use.
- Check that the implant connection is clean [blood, residues, etc.].
- Take the necessary precautions to prevent elements from becoming detached in the oral cavity, with the risk of swallowing or aspiration of same.

18 09 09

In the case of single implants, check that the flat surfaces are perfectly registered in the impression.

18 09 10

- Free the zone of the screw by removing excess impression material before it sets.
- Depending on the relation with respect to the antagonist and adjacent teeth, and the gingival height, select the correct transfer (short or long, depending on product availability).
- In the latter case, correct seating of the transfer in the implant and/or abutment is necessary if the direct impression technique is chosen.

### MODEL POURING

Check the stability of the replica-transfer unit in the impression before model pouring.

Quality materials must be used, following the manufacturer's instructions for use.

### MV ABUTMENTS

- General observations: Tightening on the abutments is to be avoided [maximum torque 5 Ncm] during the prosthesis manufacturing process until definitive insertion of the prosthesis, when the applicable torque should be 25 Ncm.
- It is important to not exceed a torque of 25 Ncm.
- In the case of provisional restorations, the torque for fitting is 15 Ncm.

### ANATOMICAL ABUTMENTS

18 10 85 / 18 10 86 / 18 10 87

Trimming below 4 mm is to be avoided.

### GOLD BASE ABUTMENT

18 10 90

An alloy is to be chosen for overcasting according to standards ISO 9693-1, ISO 22674.

#### DESIGN PARAMETERS TO BE USED IN THE FINAL RESTORATION

Maximum length of the restoration	14 mm	
Minimum wall thickness	0,45 mm	*Do not cut the piece below 3.5 mm to avoid exposing the metal
Minimum post height	3,5 mm*	
Maximum angulation	30°	

Not suitable for screwed multiple prosthesis. [See metal specifications.]

### Co-Cr BASE ABUTMENT

18 10 92

An alloy is to be chosen for overcasting according to standards ISO 9693-1, ISO 22674

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Not suitable for screwed multiple prostheses. [See metal specifications.]

### PROVISIONAL ABUTMENTS

18 10 83

These abutments are made of titanium and must be trimmed using adequate drills. Provisional restorations are to remain in the mouth for a maximum of 90 days. The torque for fitting is 15 Ncm.

### PROSTHETIC PLANNING KIT

The parts included in the prosthetic planning kit must be cleaned, disinfected and sterilized if intended for use in the mouth (steam sterilization at 134°C during 4 min.).

The abutments included in the prosthetic planning kit are not suitable for the manufacture of dental prostheses.

### TITANIUM BASE

The titanium base is used for designing ceramic prosthesis with the CAD/CAM system. The titanium base should be used to produce a personalized structure, combining an optimum anatomical contour with esthetic finishing in the supragingival zone.



  
PROSTHETIC·SYSTEM  


## REFERENCE LIST

18 09 09	MV TRANSFER [CLOSED TRAY]
18 09 31	MV ANALOG
18 09 10	MV TRANSFER [OPEN TRAY]
18 10 85	MV ANATOMICAL STRAIGHT ABUTMENT [2.0mm]
18 10 86	MV ANATOMICAL STRAIGHT ABUTMENT [3.0mm]
18 10 87	MV ANATOMICAL STRAIGHT ABUTMENT [4.0mm]
18 10 84	MV ZERO ABUTMENT
18 10 83	MV TITANIUM TEMPORARY ABUTMENT [SINGLE]
18 10 88	MV TITANIUM BASE ABUTMENT [SINGLE]
18 11 03	MV STAR SCREW
18 10 92	MV CoCr ABUTMENT [SINGLE]
18 10 90	MV GOLD ABUTMENT [SINGLE]
10 15 01	ACCESS HOLE REAMER
10 11 09	ACCESS HOLE PROTECTOR
IDTWKL	IDTORQUE® TORQUE WRENCH
10 08 11	STAR TORQUE WRENCH ADAPTER
10 08 11 L	ALONG STAR TORQUE WRENCH ADAPTER
10 08 14	EXTRA LONG STAR TORQUE WRENCH ADAPTER

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 2007/47/EC · 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



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VEGA MV							
IMPRESSION TAKING							
18 09 09		18 09 10					
18 09 31							
CEMENTABLE			SCREW-RETAINED / CEMENTABLE			TEMPORARY	
4°		Zero	Ti Base	GOLD	Cr-Co	Ti	
18 10 85	18 10 86	18 10 87	18 10 84	18 10 88	18 10 90	18 10 92	18 10 83

**WARNING:** DO NOT TIGHTEN THE ABUTMENTS AND/OR SCREWS DURING THE PROsthESIS MANUFACTURING PROCESSES. AT DEFINITIVE INSERTION OF THE PROsthESIS, A TORQUE OF 25 NCM SHOULD BE APPLIED TO ALL THE ABUTMENTS. THE ABUTMENTS INCLUDE THE SCREW OF REF. 18 11 03.

### SYMBOLS AND NOTES

	Closed Tray		Transmucosal Height 1.0 mm		Anatomical Abutment Body
	Open Tray		Transmucosal Height 2.0 mm		Single
	Star Tip		Transmucosal Height 3.0 mm		
	Placement at 25Ncm		Transmucosal Height 4.0 mm		

### PROSTHETIC PLANNING KIT

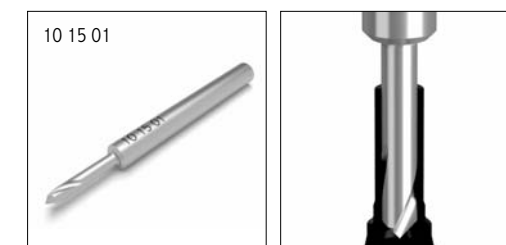
The VEGA PROSTHETIC PLANNING KIT makes it easy to plan the restoration in the mouth and in the model, offering the dentist and laboratory technician a choice of abutments suited in shape and size to each patient.

### REAMERS

These are manual instruments that eliminate any irregularities produced during the casting process.

#### 10 15 01 ACCESS HOLE REAMER

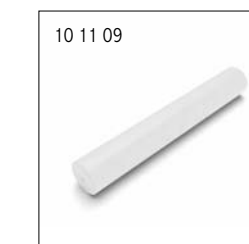
Once the castables are cast, this reamer is used to polish the seating of the screws, eliminating any irregularities produced during the casting process.



### LABORATORY

#### 10 11 09 ACCESS HOLE PROTECTOR

It consists of a cylinder-shaped device that protects the screw access hole. This avoids material penetration during wax-up procedures. This makes it possible to raise the height of the castable, leaving the screw access hole free, using the protector as a guide.



### GOLD BASE ABUTMENT

#### 18 10 90

Alloy specifications:	
Composition	Au-60%, Pt-19%, Pd-20%, Ir-1%
Fusion range	1415° - 1495°
Thermal expansion coefficient	[CET25-600°C] 12.2 µm/m°C
Color	Red
Elasticity limits	(Rp 0.2%) > 640 N/mm <sup>2</sup>
Vickers hardness	> 230
Elongation	> 2%
Mass	0.32 gr.*

\*ORIENTATIVE MASS. DEPENDS ON MANUFACTURING CHARACTERISTICS

### Co-Cr BASE ABUTMENT

#### 18 10 92

Alloy specifications:	
Composition	Cr 26.00 - 30.00%, Mo 5.00 - 7.00%, Si ≤ 1.00%, Mn ≤ 1.00%, Ni ≤ 1.00%, Fe ≤ 0.75%, N ≤ 0.25%, C ≤ 0.14%, Co
(balance)	
Fusion range	1390 - 1415 °C
Thermal expansion coefficient	13.2 µm/m°C
Color	Blue
Elasticity limits	(Rp 0.2 %) > 827
Vickers hardness	< 320 Hv10
Elongation	> 12 %
Mass 18 10 92	0.15 gr.*

\*ORIENTATIVE MASS. DEPENDS ON MANUFACTURING CHARACTERISTICS

### JDTORQUE<sup>®</sup> TORQUE WRENCH AND ADAPTERS

JDTWKL	JDTORQUE <sup>®</sup> TORQUE WRENCH
10 08 11	STAR TORQUE WRENCH ADAPTER
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