

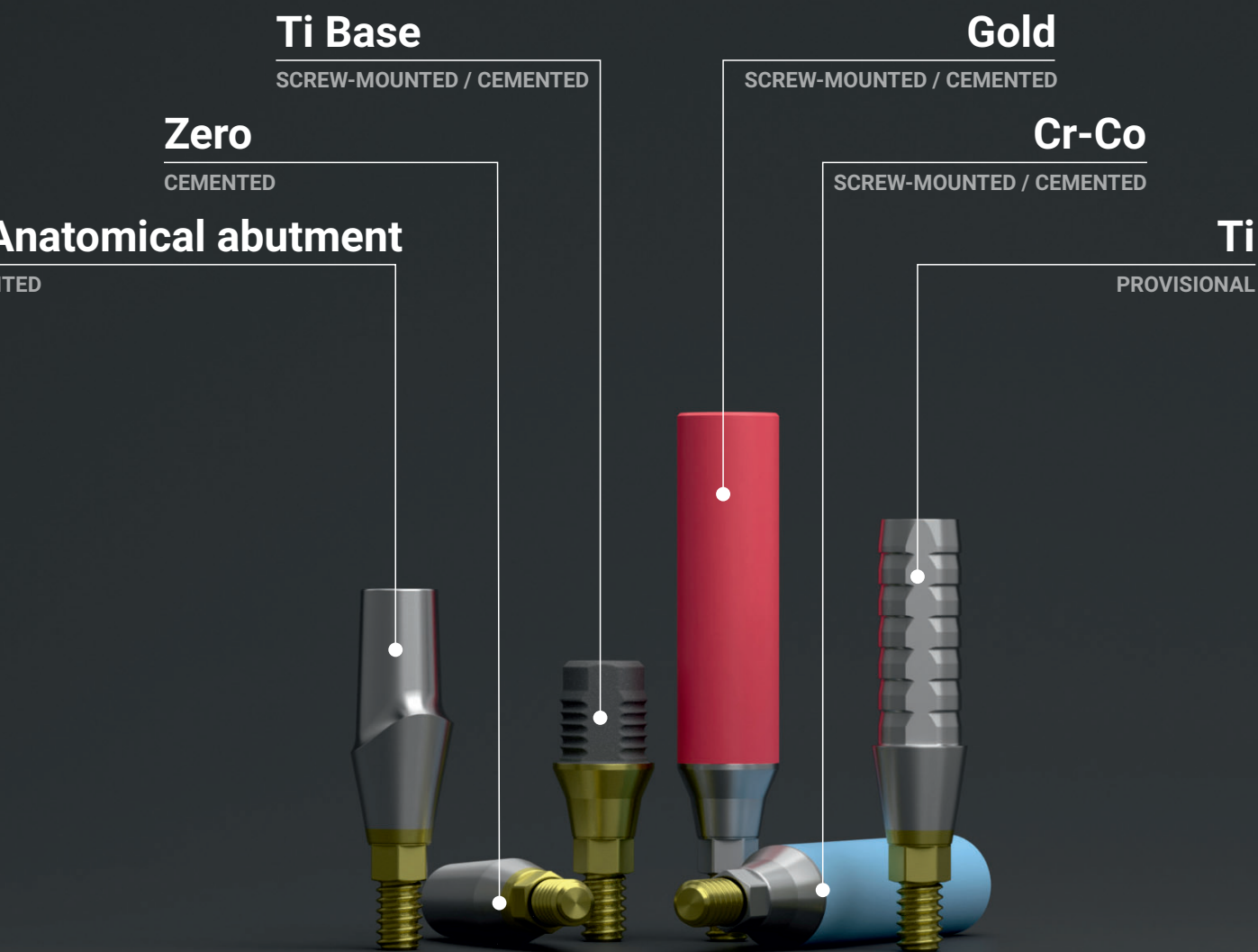
PROSTHETIC SYSTEM **MV**
VEGA® · VEGA®+

VEGA[®] • VEGA[®] +

VEGA[®] is the platform switching implant from KLOCKNER[®] Implant System for crestal level placement to individualise the treatment of hard and soft tissues.

4° A
CEMEN

PROSTHETIC SYSTEM **MV**



PROSTHETIC SYSTEM **MV**

Analogue impression

18 09 09



18 09 10



18 09 31



Digital impression

82 41 01 01

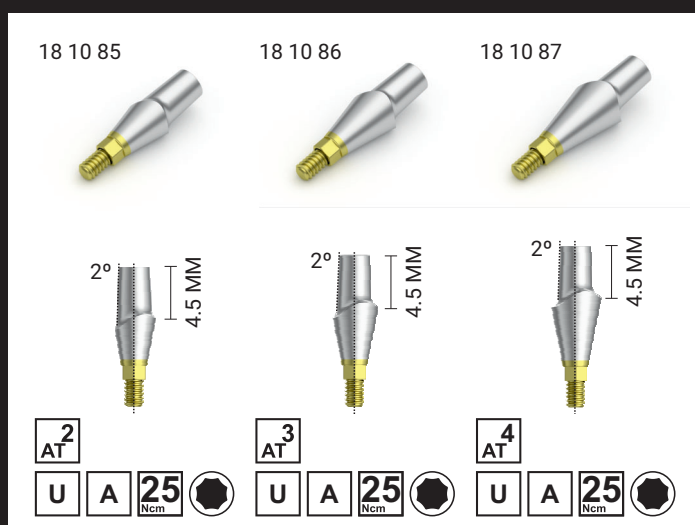


PROSTHETIC SYSTEM

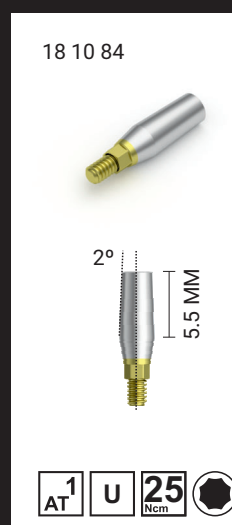
4° Anatomical abutment · Zero

CEMENTED

4° Anatomical abutment



Zero



4° Anatomical abutment
Zero
25°
Gold
Cr-Co
Ti Base
Ti

18 11 03



Do not apply tightening forces to the abutments and/or screws during the manufacturing process of the prosthesis. During the final insertion of the prosthesis, a torque of 25 Ncm should be applied to all abutments. The abutments include screw Ref. 18 11 03

PROSTHETIC SYSTEM Ti Base · Gold · Cr-Co

SCREW-MOUNTED/CEMENTED

SPECIFICATIONS OF GOLD SOLUTIONS

Composition	Au 60%, Pt 19%, Pd 20%, Ir 1%.
Melting range	1415°-1495°
Thermal expansion	[CTE 25-600°C] 12.2 µm/m°C
Colour	Red (18 10 51) / Yellow (18 10 52)
Elasticity limit	(Rp 0.2%) >640N/mm ²
Vickers Hardness	>230
Elongation	>2%
Mass 18 10 51	0.53 gr.*

*INDICATIVE MASSES. DEPENDS ON THE MANUFACTURING CHARACTERISTICS

SPECIFICATIONS OF Cr-Co SOLUTIONS

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)
Melting range	1390 - 1415 °C
Coefficient of thermal expansion	13.2 µm/m°C
Colour	Blue (18 10 53) / Green (18 10 54)
Elasticity limit	(Rp 0.2 %) >827 Mpa
Vickers Hardness Test	< 320 HV10
Elongation	> 12 %
Mass 18 10 13	0.25 gr*

*INDICATIVE MASSES. DEPENDS ON THE MANUFACTURING CHARACTERISTICS

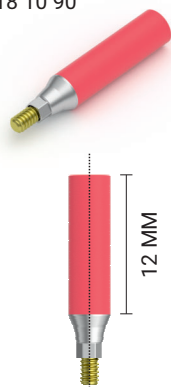
Ti Base

18 10 88



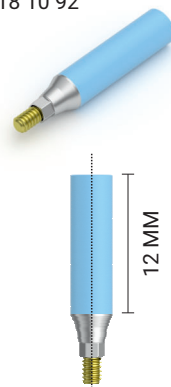
Gold

18 10 90



Cr-Co

18 10 92



Ti PROSTHETIC SYSTEM

PROVISIONAL

Ti

18 10 83



PROSTHETIC PLANNING KIT

A specific planning kit for the VEGA® and VEGA® + systems to easily plan the restoration inside the mouth and in the model, offering the dentist and laboratory technician a selection of abutments of the appropriate shape and size for each patient.

KIT 18 00 01 PROSTHETIC PLANNING KIT VEGA®

10 08 11 L LONG STAR TORQUE WRENCH ADAPTER
10 11 08 EC 30° MUTI-CONE LAB SCREW

MV

18 11 03 MV STAR SCREW

18 10 84 LAB MV ZERO ABUTMENT TRIAL

18 10 85 LAB MV ANATOMICAL STRAIGHT ABUTMENT [2.0 MM] TRIAL
18 10 86 LAB MV ANATOMICAL STRAIGHT ABUTMENT [3.0 MM] TRIAL
18 10 87 LAB MV ANATOMICAL STRAIGHT ABUTMENT [4.0 MM] TRIAL

NV

18 11 01 NV STAR SCREW

18 10 07 LAB NV ZERO ABUTMENT TRIAL

18 10 08 LAB NV STRAIGHT ABUTMENT [AT1-AP4.5] TRIAL
18 10 09 LAB NV STRAIGHT ABUTMENT [AT2-AP4.5] TRIAL
18 10 10 LAB NV STRAIGHT ABUTMENT [AT3-AP4.5] TRIAL

18 10 15 LAB NV 15° ANGLED ABUTMENT [2.0 MM] TRIAL
18 10 16 LAB NV 15° ANGLED ABUTMENT [3.0 MM] TRIAL
18 10 17 LAB NV 25° ANGLED ABUTMENT [2.0 MM] TRIAL
18 10 18 LAB NV 25° ANGLED ABUTMENT [3.0 MM] TRIAL

18 10 19 LAB NV 15° ANGLED PERMANENT® ABUTMENT [2.0 MM] TRIAL
18 10 20 LAB NV 18° ANGLED PERMANENT® ABUTMENT [3.0 MM] TRIAL
18 10 21 LAB NV 15° ANGLED PERMANENT® ABUTMENT [4.0 MM] TRIAL

18 10 22 LAB NV 30° ANGLED PERMANENT® ABUTMENT [2.0 MM] TRIAL
18 10 23 LAB NV 30° ANGLED PERMANENT® ABUTMENT [3.0 MM] TRIAL
18 10 24 LAB NV 30° ANGLED PERMANENT® ABUTMENT [4.0 MM] TRIAL

18 10 30 M LAB NV MULTI STRAIGHT PERMANENT® ABUTMENT [1.0 MM] TRIAL
18 10 31 M LAB NV MULTI STRAIGHT PERMANENT® ABUTMENT [2.0 MM] TRIAL
18 10 32 M LAB NV MULTI STRAIGHT PERMANENT® ABUTMENT [3.0 MM] TRIAL

RV

18 11 02 RV STAR SCREW

18 10 48 LAB RV STRAIGHT ABUTMENT [AT1-AP4.5] TRIAL
18 10 49 LAB RV STRAIGHT ABUTMENT [AT2-AP4.5] TRIAL
18 10 50 LAB RV STRAIGHT ABUTMENT [AT3-AP4.5] TRIAL

18 10 55 LAB RV 15° ANGLED ABUTMENT [2.0 MM] TRIAL
18 10 56 LAB RV 15° ANGLED ABUTMENT [3.0 MM] TRIAL

18 10 57 LAB RV 25° ANGLED ABUTMENT [2.0 MM] TRIAL
18 10 58 LAB RV 25° ANGLED ABUTMENT [3.0 MM] TRIAL

18 10 59 LAB RV 15° ANGLED PERMANENT® ABUTMENT [2.0 MM] TRIAL
18 10 60 LAB RV 15° ANGLED PERMANENT® ABUTMENT [3.0 MM] TRIAL
18 10 61 LAB RV 15° ANGLED PERMANENT® ABUTMENT [4.0 MM] TRIAL

18 10 62 LAB RV 30° ANGLED PERMANENT® ABUTMENT [2.0 MM] TRIAL
18 10 63 LAB RV 30° ANGLED PERMANENT® ABUTMENT [3.0 MM] TRIAL
18 10 64 LAB RV 30° ANGLED PERMANENT® ABUTMENT [4.0 MM] TRIAL

18 10 70 M LAB RV MULTI STRAIGHT PERMANENT® ABUTMENT [1.0 MM] TRIAL
18 10 71 M LAB RV MULTI STRAIGHT PERMANENT® ABUTMENT [2.0 MM] TRIAL
18 10 72 M LAB RV MULTI STRAIGHT PERMANENT® ABUTMENT [3.0 MM] TRIAL



REAMERS

A manual instrument that eliminates rough surfaces caused by the casting process.

10 15 01



10 15 01 CHIMNEY REAMER

Once the castables have been cast, the reamer is used to buff the seating area of the screws and remove the roughness caused by the casting process. This reamer can connect to the prosthetic screwdriver handle Ref. 9060, thus facilitating its use during the reaming process.

Reaming is indispensable when using castables that have been cast.



9060

PROSTHETIC SCREWDRIVER HANDLE



LABORATORY

CHIMNEY PROTECTOR

10 11 09



10 11 09 CHIMNEY PROTECTOR

Abutment of cylindrical geometry that protects the chimney that provides access to the screw, preventing material from entering it during the wax-up process.
The castable height can be raised, keeping the access chimney clear, using the protector as a guide.

PRODUCT WARNINGS

IMPRESSIONS

General comments:

- Individual trays must be used for impressions, made for each case.
- In addition, use quality materials and follow the manufacturer's instructions for use.
- Check that the implant connection is clean (blood, residue...).
- Take the necessary precautions to prevent items coming undone within the oral cavity, which could lead them to possible swallowing or choking.

18 09 09

In case of a single unit, check that the flat faces are perfectly recorded in the impression.

18 09 10

- Keep the screw area clear, removing any excess impression material before it sets.
- Depending on the relationship between the antagonist and adjacent teeth, the gingival height, select the appropriate transfer, long or short, according to product availability.
- The correct transfer seating in the implant and/or abutment must be confirmed when choosing the direct impression technique for the latter.

EMPTYING

Check the stability of the replica-transfer assembly in the impression before emptying. Use quality materials and follow the manufacturer's instructions for use.

MV ABUTMENTS

General comments:

- Do not apply tightening forces [maximum 5 Ncm] to the Abutments during the manufacturing process of the prosthesis until their final insertion, in which a torque of 25 Ncm should be applied.
- It is important that the torque should never exceed 25 Ncm.
- In case of provisional solutions, the torque to be applied for placement is 15 Ncm.

ANATOMICAL ABUTMENTS

18 10 85 / 18 10 86 / 18 10 87

Do not drill below 4 mm.

GOLD BASE ABUTMENT

18 10 90

An alloy must be chosen for cast-to, pursuant to ISO 9693-1 and ISO 22674 standards. The gold base abutment can be drilled 4 mm from the connection GAP at most, and the diameter of this area may not be lowered to prevent metal exposure. The maximum length of the restoration must not exceed 14 mm. The maximum angulation must be below 30° with respect to the dental implant axis. It is not suitable for a multiple screw-mounted prosthesis. [See metal specifications].

Cr-Co BASE ABUTMENTS

18 10 92

An alloy must be chosen for cast-to, pursuant to ISO 9693-1 and ISO 22674 standards. The Cr-Co base abutment can be drilled 4 mm from the connection GAP at most, and the diameter of this area may not be lowered to prevent metal exposure. The maximum length of the restoration must not exceed 14 mm. The maximum angulation must be below 30° with respect to the dental implant axis. It is not suitable for a multiple screw-mounted prosthesis. [See metal specifications].

PROVISIONAL ABUTMENTS

18 10 83

Manufactured in titanium, they must be drilled with appropriate drills. Provisional solutions must remain in the mouth for a maximum of 90 days. The torque to be applied for placement is 15 Ncm.

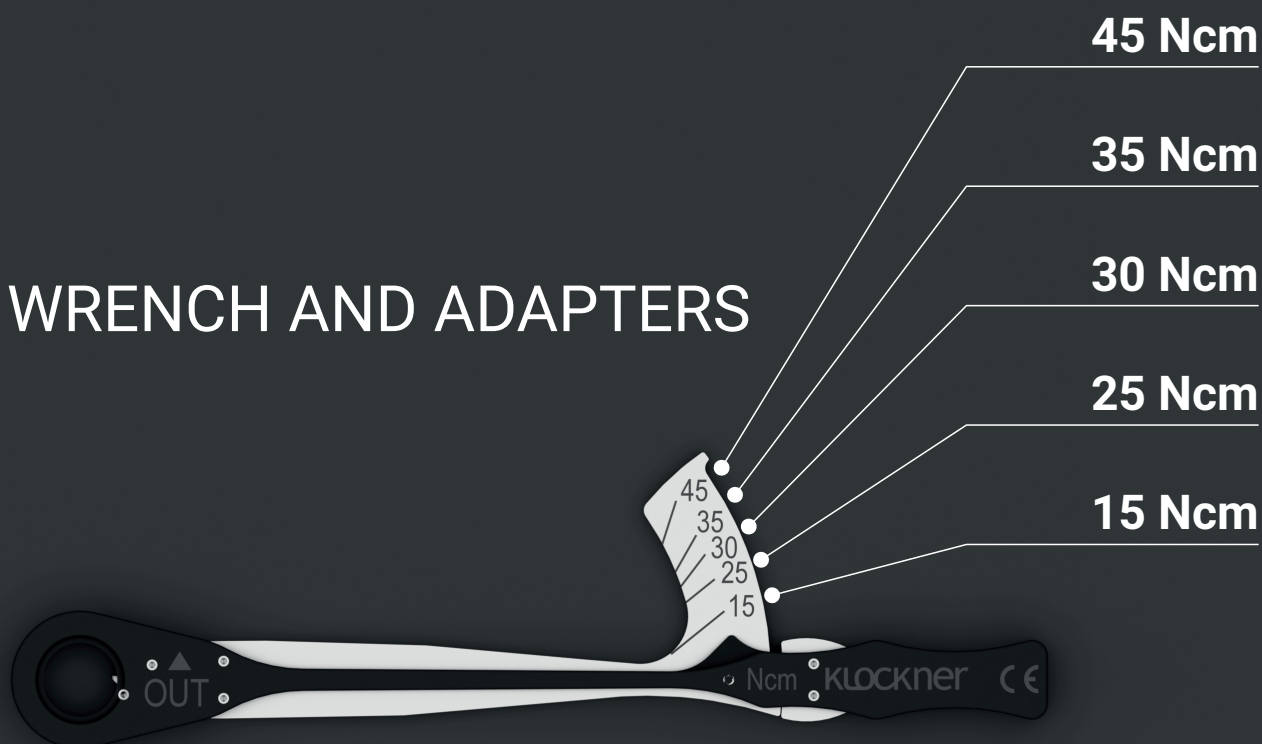
PROSTHETIC PLANNING KIT

The items included in the prosthetic study kit must be cleaned, disinfected and sterilised, if they are to be used in the oral cavity [steam sterilisation at 134 °C, 4 min]. The abutments included in the prosthetic study kit are unsuitable for the manufacture of dental prostheses.

Ti BASE

The titanium base is used to design the ceramic prosthesis through the CAD/CAM system. Use the Ti base to create a customised structure and combine an optimal anatomical contour with an aesthetic finish in the supragingival area.

WRENCH AND ADAPTERS



10 08 11



7.5 MM

10 08 11 L



15 MM

10 08 14



22 MM

50 08 04



15 MM

50 08 05



7.5 MM

JD TWKL



LIST OF REFERENCES

Impression

18 09 09 MV TRANSFER [CLOSED TRAY]
18 09 10 MV TRANSFER [OPEN TRAY]
18 09 31 MV ANALOG

82 41 01 01 SCAN ABUTMENT i-MV 1

4° Anatomical abutment

18 10 85 i-MV 1 SCAN ABUTMENT
18 10 86 MV ANATOMICAL STRAIGHT ABUTMENT [3.0 MM]
18 10 87 MV ANATOMICAL STRAIGHT ABUTMENT [4.0 MM]

Zero

18 10 84 MV ZERO ABUTMENT

Ti Base

18 10 88 MV TITANIUM BASE ABUTMENT [SINGLE]

Gold

18 10 90 MV GOLD ABUTMENT [SINGLE]

Cr-Co

18 10 92 MV Cr-Co ABUTMENT [SINGLE]

Ti

18 10 83 MV TITANIUM TEMPORARY ABUTMENT [SINGLE]

18 11 03 MV STAR SCREW

LABORATORY

10 15 01 CHIMNEY REAMER
9060 PROSTHETIC DRIVER HANDLE
10 11 09 CHIMNEY PROTECTOR

WRENCHES AND ADAPTERS

JDTWKL JDTORQUE® TORQUE WRENCH
10 08 11 STAR TORQUE WRENCH ADAPTER
10 08 11 L LONG STAR TORQUE WRENCH ADAPTER
10 08 14 EXTRA LONG STAR TORQUE WRENCH ADAPTER
50 08 04 1.2 MM HEX LONG TORQUE WRENCH ADAPTER
50 08 05 1.2 MM HEX TORQUE WRENCH ADAPTER

SYMBOLS AND NOTES



Closed tray



Open tray



Digital



Placement at 25 Ncm



Transmucosal height 1.0 mm



Transmucosal height 2.0 mm



Transmucosal height 3.0 mm



Transmucosal height 4.0 mm



Anatomical abutment body



Single solution



Star tip



Hexagonal tip

All KLOCKNER® IMPLANT SYSTEM products follow the laws and regulations applicable to medical devices, such as: European directives MDD 93/42/EEC, amended by 2007/47/EC · US FDA 21 CFR Part 820 Regulations · EN ISO 13485 Quality Standards and other applicable standards and regulations.



B-0059-EN REV 02

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WARNING

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