PROSTHETIC SYSTEM NV

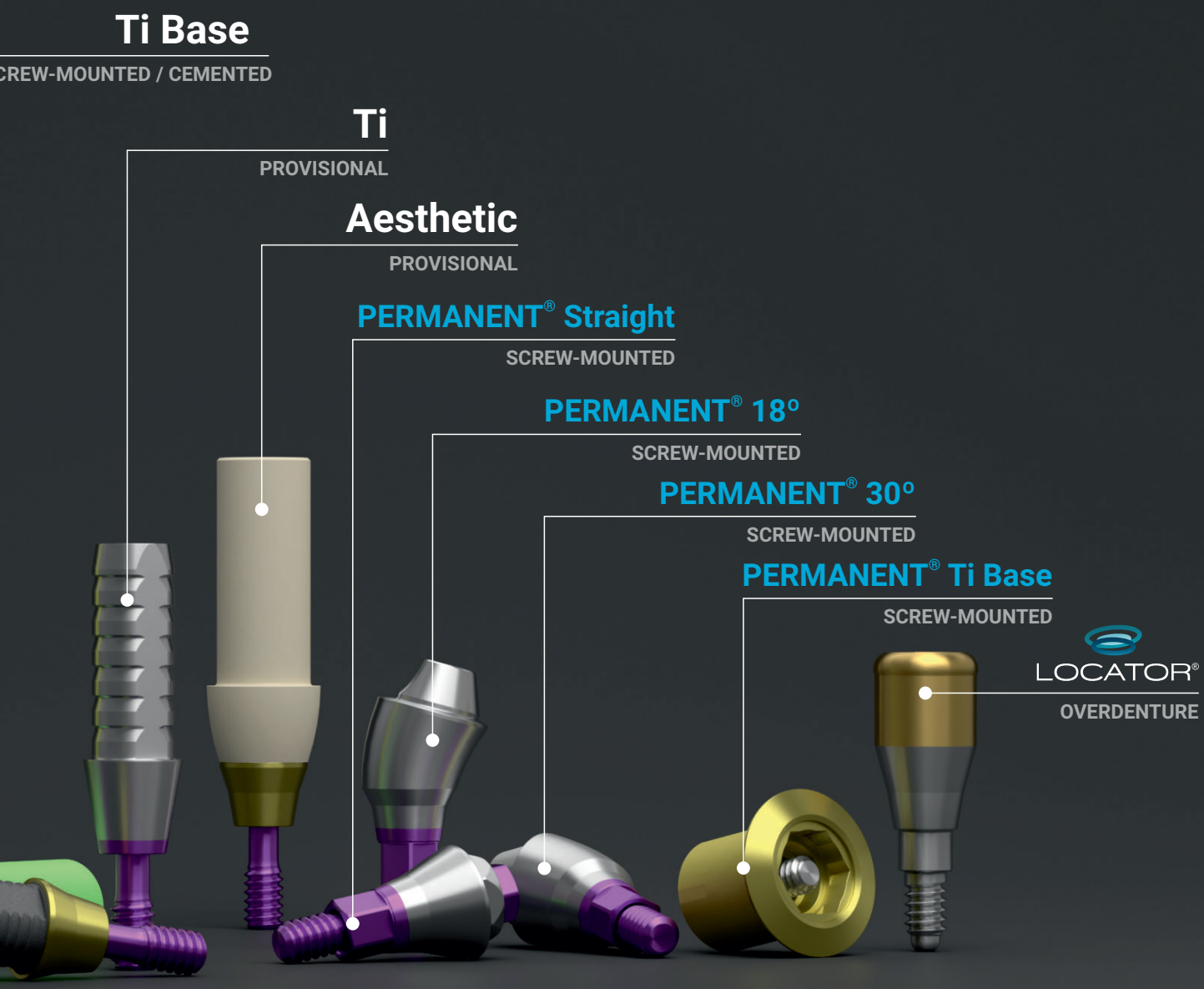
VEGA® · VEGA®+

KLOCKNER®

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.

PROSTHETIC SYSTEM NV

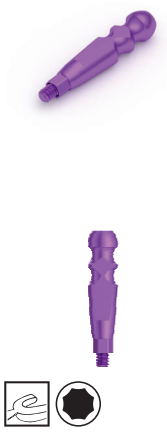


"The PERMANENT® abutment enables its placement on the day the implant is inserted..."

PROSTHETIC SYSTEM NV

Analogue impression

18 09 02



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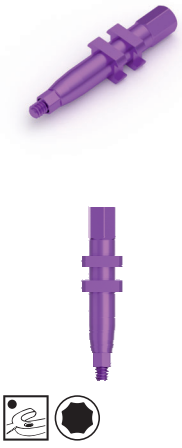


18 09 03 L

18 09 03.2 XL

18 09 01

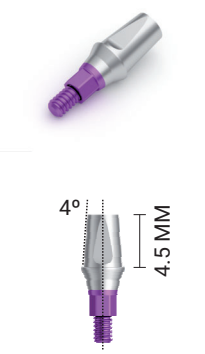
Digital impression

82 31 01 02

PROSTHETIC SYSTEM **4º**

CEMENTED

18 10 08



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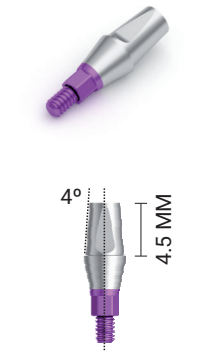

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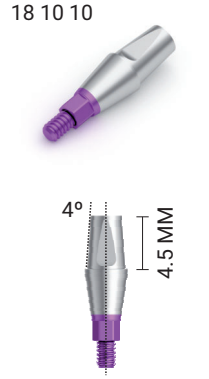

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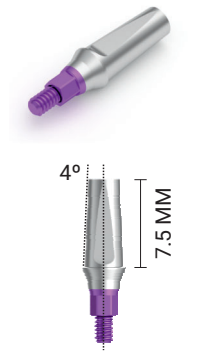

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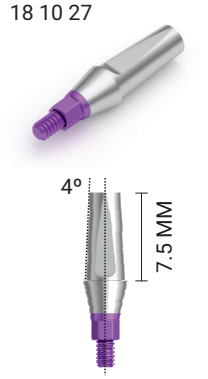

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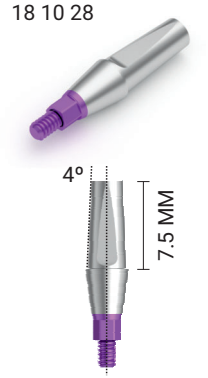


18 12 01

AP 4.5 U

18 12 02

AP 4.5 M

4º
15º
25º
Zero
Gold
Cr-Co
Ti Base
Ti
Aesthetics

18 11 01

Do not apply tightening forces to the abutments and/or screws during the manufacturing processes of the prosthesis. During final insertion of the prosthesis, a torque of 25 Ncm must be applied to all abutments and 15 Ncm to superstructure fixation screws Ref. 10 11 21. The abutments include screw Ref. 18 11 01.

PROSTHETIC SYSTEM **15º · 25º · Zero**

CEMENTED

15º

18 10 15

AT 2 · U · M · A · 25 Ncm

18 10 16

AT 3 · U · M · A · 25 Ncm

25º

18 10 17

AT 2 · U · M · A · 25 Ncm

18 10 18

AT 3 · U · M · A · 25 Ncm

Zero

18 10 07

AT 1 · U · M · 25 Ncm

PROSTHETIC SYSTEM **Gold · Cr-Co · Ti Base**

SCREW-MOUNTED / CEMENTED

SPECIFICATIONS OF GOLD SOLUTIONS

Composition	Au 60%, Pt 19%, Pd 20%, Ir 1%.
Melting range	1415º-1495º
Thermal expansion	[CTE 25-600ºC] 12.2 µm/mºC
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

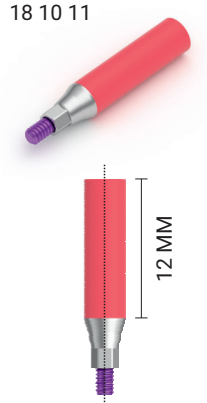
SPECIFICATIONS OF Cr-Co SOLUTIONS

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*

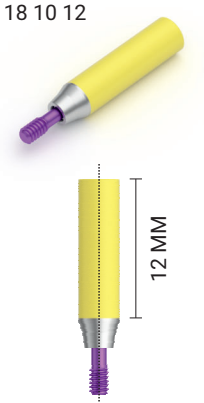
*INDICATIVE MASSES. DEPENDS ON THE MANUFACTURING CHARACTERISTICS

Gold

18 10 11

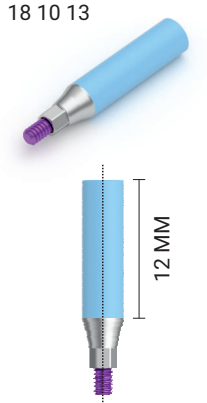


18 10 12

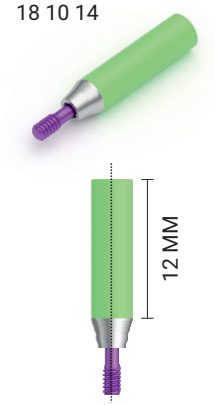


Cr-Co

18 10 13

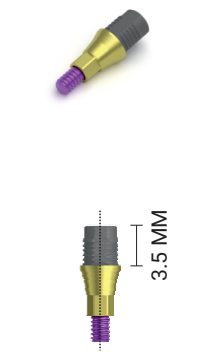


18 10 14

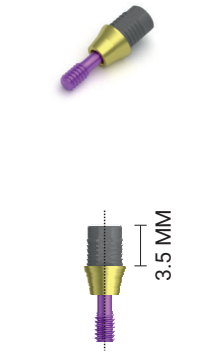


Ti Base

18 10 05



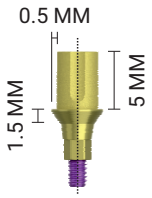
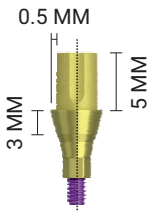
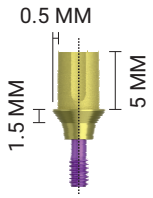
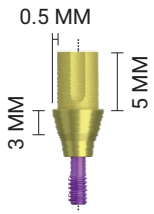
18 10 06



PROSTHETIC SYSTEM **Ti Base**

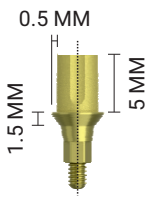
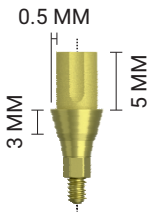
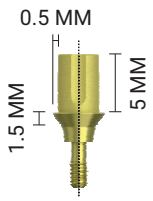
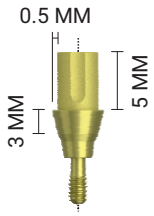
SCREW-MOUNTED / CEMENTED

TiBase medpro®

84 01 01 1	84 01 02 1	84 01 03 1	84 01 04 1
			
			
1.5 AT U 25 Ncm	3 AT U 25 Ncm	1.5 AT M 25 Ncm	3 AT M 25 Ncm

TiBase medpro®

360°

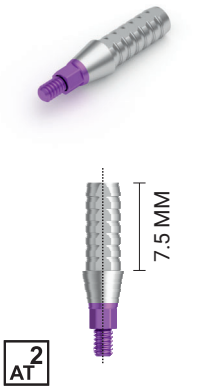
84 01 01 2	84 01 02 2	84 01 03 2	84 01 04 2
			
			
1.5 AT U 25 Ncm	3 AT U 25 Ncm	1.5 AT M 25 Ncm	3 AT M 25 Ncm

PROSTHETIC SYSTEM **Ti · Aesthetic**

PROVISIONAL

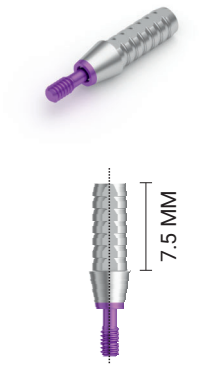
Ti

18 10 01



AT2 | U | M | 15 Ncm |

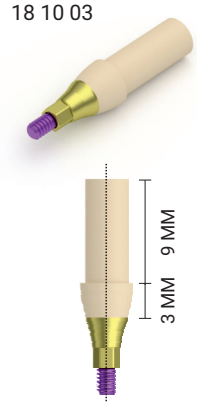
18 10 02



AT2 | M | 15 Ncm |

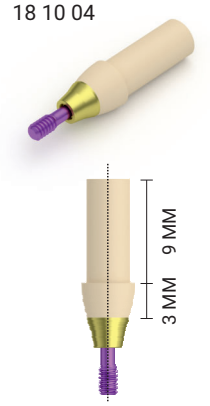
Aesthetic

18 10 03



AT1 | U | 15 Ncm |

18 10 04



AT1 | M | 15 Ncm |

PERMANENT®

The PERMANENT® abutment enables its placement on the day the implant is inserted, thus facilitating work on the abutment in the manufacturing process of the prosthesis. The different transepithelial heights that are available facilitate abutment selection depending on the requirements of each case and according to the peri-implant soft tissue characteristics or treatment objectives. Using the final abutment from the moment the implant is placed helps preserve the crestal bone surrounding the implants, preventing its removal and placement during the different manufacturing stages of prosthetic restoration.

Analogue Impression

18 09 08	18 09 07	18 09 06	18 09 06 L	18 09 05	18 09 05 L
					
U	M	U	U	M	M

18 09 04


The VEGA® implant, along with prosthesis components that are designed for its restoration, seeks to preserve the peri-implant bone tissue and thus to achieve greater soft tissue stability; it is the preferred method of use in aesthetic sites. This objective is optimised if insertion of the implant is combined with placement of the prosthesis abutment. PERMANENT® abutments and their family of components facilitate the restorative dentist's job by not requiring removal once installed, for the purpose of performing each
of the manufacturing stages of the prosthesis.

Digital Impression

82 02 01 05

82 02 01 06

PERMANENT® Straight

SCREW-MOUNTED

18 10 30 U

AT1 U 25 Ncm

18 10 31 U

AT2 U 25 Ncm

18 10 32 U

AT3 U 25 Ncm

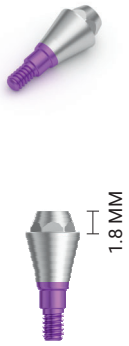
18 10 30 M

AT1 M 25 Ncm

18 10 31 M

AT2 M 25 Ncm

18 10 32 M



AT3 M 25 Ncm

18 12 03

18 13 01

18 12 04

18 13 02

10 11 21

15 Ncm

PERMANENT® 18º

SCREW-MOUNTED

18 10 19

18 10 20

18 10 21

AT2 M 25 Ncm

AT3 M 25 Ncm

AT4 M 25 Ncm

18 12 04

18 13 02

10 11 21

15 Ncm

The PERMANENT® abutments of 18° and 30° include screw Ref. 18 11 01.

PERMANENT® 30º

SCREW-MOUNTED

18 10 22

AT 2 | M | 25 Ncm

18 10 23

AT 3 | M | 25 Ncm

18 10 24

AT 4 | M | 25 Ncm

18 12 04

18 13 02

10 11 21

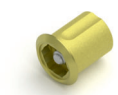
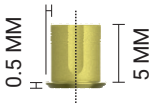
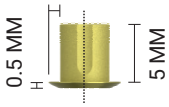
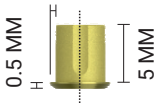
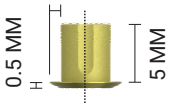
15 Ncm

PERMANENT® abutments of 18° and 30° include screw Ref. 18 11 01.

PERMANENT® Ti Base

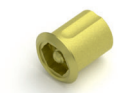
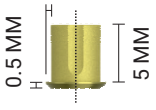
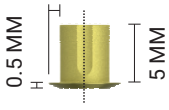
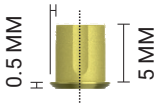
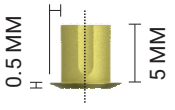
SCREW-MOUNTED

TiBase medpro®

84 01 13 1	84 01 14 1	84 01 15 1	84 01 16 1
			
0.5 MM	1 MM	0.5 MM	1 MM
			
0.5 AT U 15 Ncm	0.5 AT U 15 Ncm	0.5 AT M 15 Ncm	0.5 AT M 15 Ncm

TiBase medpro®

360°

84 01 13 2	84 01 14 2	84 01 15 2	84 01 16 2
			
0.5 MM	1 MM	0.5 MM	1 MM
			
0.5 AT U 15 Ncm	0.5 AT U 15 Ncm	0.5 AT M 15 Ncm	0.5 AT M 15 Ncm

OVERDENTURES

LOCATOR®

18 16 01

AT2 M 25 Ncm

18 16 02

AT3 M 25 Ncm

18 16 03

AT4 M 25 Ncm

18 16 04

AT5 M 25 Ncm

18 16 05

AT6 M 25 Ncm

ZEST DENTAL SOLUTIONS

10 16 14

10 16 15

10 16 19

10 16 08

10 16 17

10 16 18

10 16 20

10 16 16

10 16 07

10 16 09

10 16 10

10 16 11

10 16 12

10 16 13

LABORATORY

SCREW AND CHIMNEY PROTECTOR

10 11 08 **LABORATORY SCREW M1.4**

A long screw that fixes screw-mounted structures to PERMANENT® abutments during the manufacturing process. It is used manually or with the star adapter. It makes it possible to perform pick-up impressions.

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.

10 11 08

10 11 09

REAMERS

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

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.

10 15 02 **SHOULDER REAMER**

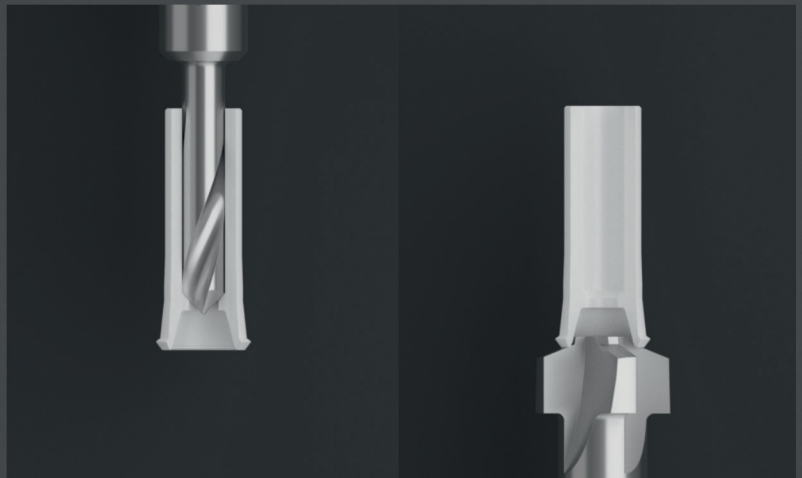
Castables intended to make cemented prostheses are over-contoured [“click”], which must be removed once cast. The shoulder reamer is used to buff the seating area of the superstructures and remove the roughness caused by the casting process.
This reamer can connect to the prosthetic screwdriver handle Ref. 9060, thus facilitating its use during the reaming process.

9060 PROSTHETIC SCREWDRIVER HANDLE

10 15 01

10 15 02

9060



Reaming is indispensable when using castables that have been cast.

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**

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 to possible swallowing or choking.

18 09 02/18 09 08/18 09 07
In case of a single unit, check that the flat faces are perfectly recorded in the impression.

18 09 03 / 18 09 03 L / 18 09 05 / 18 09 06

- Keep the screw area clear, removing any excess impression material before it sets.
- According to 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.

NV 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, when 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.
- Use of the corresponding castable and reamer is crucial for obtaining a superstructure with an optimal fit.

STRAIGHT NV ABUTMENTS

18 10 08 / 18 10 09 / 18 10 10 / 18 10 26 / 18 10 27 / 18 10 28
Do not drill at a height below 4 mm.

ABUTMENTS OF 15º AND 25º NV

18 10 17 / 18 10 18 / 18 10 15 / 18 10 16
Do not drill at a height below 4 mm.

GOLD BASE ABUTMENT NV

18 10 11 / 18 10 12
An alloy must be chosen for cast-to, pursuant to ISO 9693 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 14mm. The maximum angulation must be below 30º with respect to the dental implant axis. [See metal specifications].

Cr-Co BASE ABUTMENTS NV

18 10 13 / 18 10 14
An alloy must be chosen for cast-to, pursuant to ASTM F1537and ISO 5832-12 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 30º with respect to the dental implant axis. [See metal specifications].

PERMANENT NV ABUTMENTS · OCCLUSAL SCREW

18 10 19 / 18 10 20 / 18 10 21 / 18 10 22 / 18 10 23 / 18 10 24 / 18 10 30 M /
18 10 31 M / 18 10 32 M / 18 10 30 U / 18 10 31 U / 18 10 32 U
Do not apply tightening forces [maximum 5 Ncm] to the PERMANENT® NV abutments during the manufacturing process of the prosthesis until their final insertion, when a torque of 25 Ncm should be applied. A torque of 15 Ncm must be applied to the superstructure fixation screws, the Occlusal Screw. Exceeding the torque of 15 Ncm may result in the screw breaking. The PERMANENT® NV abutments [occlusal screw] are not drillable.

PROVISIONAL ABUTMENTS

18 10 01 / 18 10 02
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 final placement is 15 Ncm.

AESTHETIC PROVISIONAL ABUTMENTS

18 10 03 / 18 10 04
Manufactured in PMMA with the titanium interface to the implant and a titanium fixation screw. Drilling must respect the titanium interface to prevent the aesthetic coating material from breaking. Provisional solutions must remain in the mouth for a maximum of 28 days. The torque to be applied for final placement is 15 Ncm.

OVERDENTURES · NV LOCATOR®

18 16 01 / 18 16 02 / 18 16 03 / 18 16 04 / 18 16 05
Indicated for manufacturing implant-retained overdentures on VEGA® NV implants.
General comments: A torque of 25 Ncm must be applied during its final placement. The shoulder support of the retentive connector must remain exposed in all cases. The cavities that will completely house the retentive connectors must not be filled in as excess acrylic material is not advisable. It is better to make a lingual canal to ensure the excess does not prevent the correct seating of the overdenture. In case splinting of the connectors takes place in the mouth, a protector should be placed [for example, a rubber dam] to prevent possible excess resin from seeping under the neck of the Locator® retentive abutment. Different transmucosal heights facilitate the use of the Locator® system, whether in the case of gums with a fine biotype or hypertrophic gums.

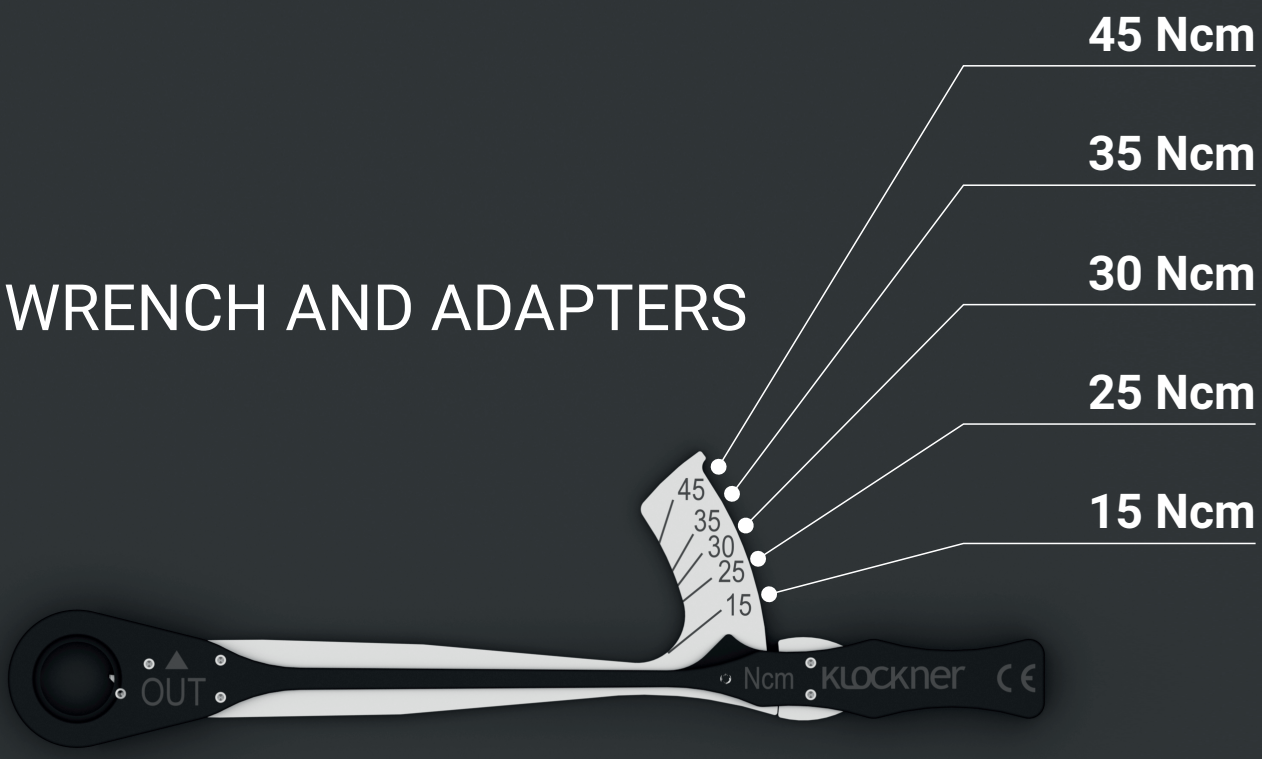
PROSTHETIC PLANNING KIT

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 ºC, 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.

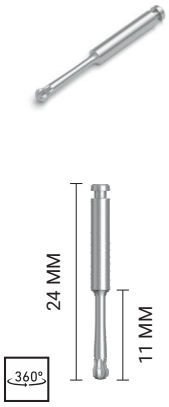
WRENCH AND ADAPTERS



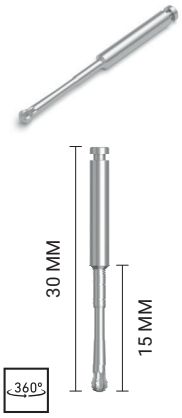
TORQUE WRENCH

CONTRA-ANGLE

86 000 01



86 000 02



86 000 03

18 07 30

18 07 31

JDTWKL

LISTADO DE REFERENCIAS

Impressions

18 09 02	NV TRANSFER [CLOSED TRAY]
18 09 03	NV TRANSFER [OPEN TRAY]
18 09 03 L	NV LONG TRANSFER [OPEN TRAY]
18 09 03.2 XL	NV EXTRA LONG SCREW TRANSFER [OPEN TRAY]
18 09 01	NV ANALOG
82 31 01 02	i-NV 1 SCAN ABUTMENT

Straight

18 10 08	NV STRAIGHT ABUTMENT [AT1-AP4.5]
18 10 09	NV STRAIGHT ABUTMENT [AT2-AP4.5]
18 10 10	NV STRAIGHT ABUTMENT [AT3-AP4.5]
18 10 26	NV STRAIGHT ABUTMENT [AT1-AP 7,5]
18 10 27	NV STRAIGHT ABUTMENT [AT2-AP 7,5]
18 10 28	NV STRAIGHT ABUTMENT [AT3-AP 7,5]
18 12 01	NV CASTABLE FOR STRAIGHT ABUT. [SINGLE][AP4.5]
18 12 02	NV CASTABLE FOR STRAIGHT ABUT. [MULTIPLE][AP4.5]

15º

18 10 15	NV 15° ANGLED ABUTMENT [2.0 MM]
18 10 16	NV 15° ANGLED ABUTMENT [3.0 MM]

25º

18 10 17	NV 25° ANGLED ABUTMENT [2.0 MM]
18 10 18	NV 25° ANGLED ABUTMENT [3.0 MM]

Zero

18 10 07	NV ZERO ABUTMENT

Gold

18 10 11	NV GOLD ABUTMENT [SINGLE]
18 10 12	NV GOLD ABUTMENT [MULTIPLE]

Cr-Co

18 10 13	NV Cr-Co ABUTMENT [SINGLE]
18 10 14	NV Cr-Co ABUTMENT [MULTIPLE]

Ti Base

18 10 05	NV TITANIUM BASE ABUTMENT [SINGLE]
18 10 06	NV TITANIUM BASE ABUTMENT [MULTIPLE]
84 01 01 1	NV VEGA® TiBASE [S-TH1,5-W0,5]
84 01 02 1	NV VEGA® TiBASE [S-TH3-W0,5]
84 01 03 1	NV VEGA® TiBASE [M-TH1,5-W0,5]
84 01 04 1	NV VEGA® TiBASE [M-TH3-W0,5]
84 01 01 2	NV VEGA® TiBASE [S-TH1,5-W0,5] MP360
84 01 02 2	NV VEGA® TiBASE [S-TH3-W0,5] MP360
84 01 03 2	NV VEGA® TiBASE [M-TH1,5-W0,5] MP360
84 01 04 2	NV VEGA® TiBASE [M-TH3-W0,5] MP360

Ti

18 10 01	NV TITANIUM TEMPORARY ABUTMENT [SINGLE]
18 10 02	NV TITANIUM TEMPORARY ABUTMENT [MULTIPLE]

Aesthetic

18 10 03	NV PMMA TEMPORARY ABUTMENT [SINGLE]
18 10 04	NV PMMA TEMPORARY ABUTMENT [MULTIPLE]
18 11 01	NV STAR SCREW

PERMANENT®

Impressions

18 09 05	MULTIPLE TRANSFER FOR PERMANENT® ABUTMENT [OT]
18 09 05 L	NV LONG MULTIPLE TRANSFER FOR PERMANENT® ABUT [OT]
18 09 06	SINGLE TRANSFER FOR PERMANENT® ABUTMENT [OT]
18 09 06 L	NV LONG SINGLE TRANSFER FOR PERMANENT® ABUT [OT]
18 09 07	MULTIPLE TRANSFER FOR PERMANENT® ABUTMENT [CT]
18 09 08	SINGLE TRANSFER FOR PERMANENT® ABUTMENT [CT]
18 09 04	ANALOG FOR PERMANENT® ABUTMENT
82 02 01 05	i-PV 1 SCAN ABUTMENT
82 02 01 06	i-PV 2 SCAN ABUTMENT

Straight

18 10 30 U	NV SINGLE STRAIGHT PERMANENT® ABUTMENT [1.0 MM]
18 10 31 U	NV SINGLE STRAIGHT PERMANENT® ABUTMENT [2.0 MM]
18 10 32 U	NV SINGLE STRAIGHT PERMANENT® ABUTMENT [3.0 MM]
18 10 30 M	NV MULTIPLE STRAIGHT PERMANENT® ABUTMENT [1.0 MM]
18 10 31 M	NV MULTIPLE STRAIGHT PERMANENT® ABUTMENT [2.0 MM]
18 10 32 M	NV MULTIPLE STRAIGHT PERMANENT® ABUTMENT [3.0 MM]

18º

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

30º

18 10 22	NV 30° ANGLED PERMANENT®ABUTMENT [2.0 MM]
18 10 23	NV 30° ANGLED PERMANENT® ABUTMENT [3.0 MM]
18 10 24	NV 30° ANGLED PERMANENT® ABUTMENT [4.0 MM]
18 12 03	CASTABLE FOR PERMANENT® ABUTMENT [SINGLE]
18 13 01	TITANIUM FITTING FOR PERMANENT® ABUTMENT [SINGLE]
18 12 04	CASTABLE FOR PERMANENT® ABUTMENT [MULTIPLE]
18 13 02	TITANIUM FITTING FOR PERMANENT® ABUTMENT [MULTIPLE]

Ti Base

84 01 13 1	PERMANENT® VEGA® TiBASE [U-AT0,5-A0,5]
84 01 14 1	PERMANENT® VEGA® TiBASE [S-TH0,5-W1]
84 01 15 1	PERMANENT® VEGA® TiBASE [M-TH0,5-W0,5]
84 01 16 1	PERMANENT® VEGA® TiBASE [M-TH0,5-W1]
84 01 13 2	PERMANENT® VEGA® TiBASE [S-TH0,5-W0,5] MP360
84 01 14 2	PERMANENT® VEGA® TiBASE [S-TH0,5-W1] MP360
84 01 15 2	PERMANENT® VEGA® TiBASE [M-TH0,5-W0,5] MP360
84 01 16 2	PERMANENT® VEGA® TiBASE [M-TH0,5-W1] MP360
10 11 21	MICRO STAR SCREW

LOCATOR®

18 16 01	**NV ABUTMENT LOCATOR® [2.0 MM]**
18 16 02	**NV ABUTMENT LOCATOR® [3.0 MM]**
18 16 03	**NV ABUTMENT LOCATOR® [4.0 MM]**
18 16 04	**NV ABUTMENT LOCATOR® [5.0 MM]**
18 16 05	**NV ABUTMENT LOCATOR® [6.0 MM]**
10 16 07	**LOCATOR® DENTURE CAP MALE PACKAGE**
10 16 09	**LOCATOR® REPLACEMENT MALE [WHITE]**
10 16 10	**LOCATOR® LIGHT RETENTION REPLACEMENT MALE [PINK]**
10 16 11	**LOCATOR® EXTRA LIGHT RETENTION REPLACEMENT MALE [BLUE]**
10 16 12	**LOCATOR® EXTENDED RANGE REPLACEMENT MALE [GREEN]**
10 16 13	**LOCATOR® EXTRA LIGHT EXTENDED RANGE MALE [RED]**
10 16 09	**LOCATOR® REPLACEMENT MALE [WHITE]**
10 16 14	**LOCATOR® IMPRESSION COPING**
10 16 15	**LOCATOR® FEMALE ANALOG [5 MM DIAM.]**
10 16 16	**LOCATOR® CORE TOOL**
10 16 17	**LOCATOR® 30 NCM TORQUE WRENCH DRIVER [15 MM]**
10 16 18	**LOCATOR® 30 NCM TORQUE WRENCH DRIVER [21 MM]**
10 16 19	**LOCATOR® PARALLEL POST**
10 16 20	**ANGLE MEASUREMENT GUIDE**

LABORATORY

10 11 08	**EC 30° MUTI-CONE LAB SCREW**
10 11 09	**CHIMNEY PROTECTOR**
10 15 01	**CHIMNEY REAMER**
10 15 02	**SHOULDER REAMER**
9060	**PROSTHETIC DRIVER HANDLE**

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**
18 07 30	**PERMANENT® ABUTMENT ADAPTER [MULTIPLE]**
18 07 31	**PERMANENT® ABUTMENT ADAPTER [SINGLE]**
50 08 04	**1.2 MM HEX LONG TORQUE WRENCH ADAPTER**
50 08 05	**1.2 MM HEX TORQUE WRENCH ADAPTER**

CONTRA-ANGLE WRENCH

86 000 01	**MEDPRO360° CONTRA ANGLE LONG TIP**
86 000 02	**MEDPRO360° CONTRA ANGLE EXTRA LONG TIP**
86 000 03	**MEDPRO360° CONTRA ANGLE TIP ADAPTER**

KLOCKNER®

SYMBOLS AND NOTES

- Closed tray
- Open tray
- Digital
- Star tip
- Hexagonal tip
- 15 Ncm — Placement at 15 Ncm
- 25 Ncm — Placement at 25 Ncm
- 0.5 AT — Transmucosal height 0.5 mm
- 1 AT — Transmucosal height 1.0 mm
- 1.5 AT — Transmucosal height 1.5 mm
- 2 AT — Transmucosal height 2.0 mm
- 3 AT — Transmucosal height 3.0 mm
- 4 AT — Transmucosal height 4.0 mm
- 5 AT — Transmucosal height 5.0 mm
- 6 AT — Transmucosal height 6.0 mm
- A — Anatomical abutment body
- U — Single solution
- M — Multiple solution
- 360º — MEDPRO 360º System
- 4.5 AP — Prosthetic height 4.5 mm
- 7.5 AP — Prosthetic height 7.5 mm

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-0060-EN REV 05

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