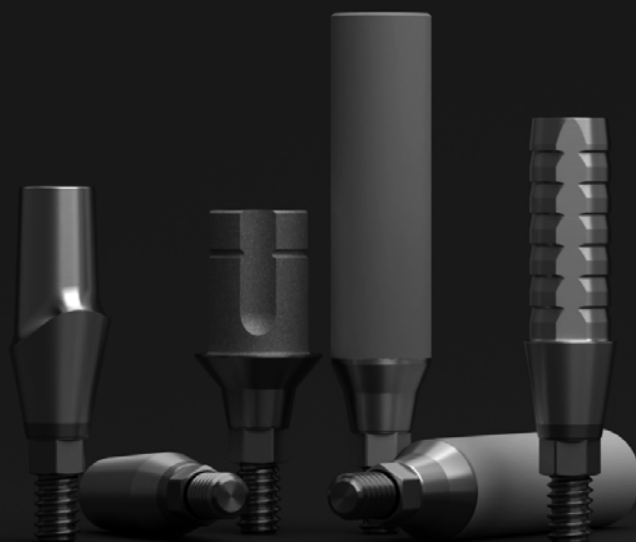




VEGA® · VEGA®+
MV PROSTHETIC SYSTEM

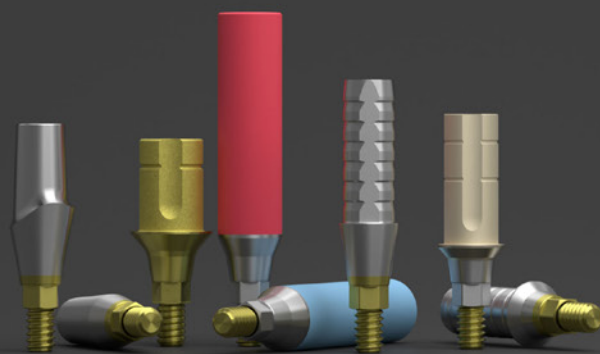
**Freedom
is not
fixed**



VEGA® · VEGA®+

MV PROSTHETIC SYSTEM

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PROSTHETIC SOLUTIONS

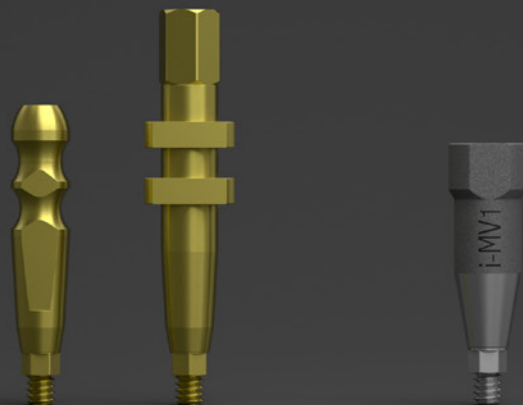
VEGA® is the platform switching implant of the KLOCKNER® IMPLANT SYSTEM for crestal level placement to individualise the treatment of hard and soft tissues.

MV PROSTHETIC SOLUTIONS

4° ANATOMICAL ABUTMENT	CEMENTED
ZERO	CEMENTED
GOLD	SCREW-MOUNTED / CEMENTED
CoCr	SCREW-MOUNTED / CEMENTED
Ti	PROVISIONAL
MEDPROTIBASE® TITANIUM BASE	SCREW-MOUNTED / CEMENTED

MIMETIC® MV PROSTHETIC SOLUTIONS

MIMETIC®	PROVISIONAL
MIMETIC® TITANIUM BASE	SCREW-MOUNTED / CEMENTED



IMPRESSION COPING ANALOGUE

18 09 09	VEGA® MV ABUTMENT ANALOG [CLOSED TRAY]
18 09 10	VEGA® MV ABUTMENT ANALOG [OPEN TRAY]
18 09 31	VEGA® MV IMPLANT ANALOG

18 09 09



18 09 10



18 09 31



WARNINGS

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.

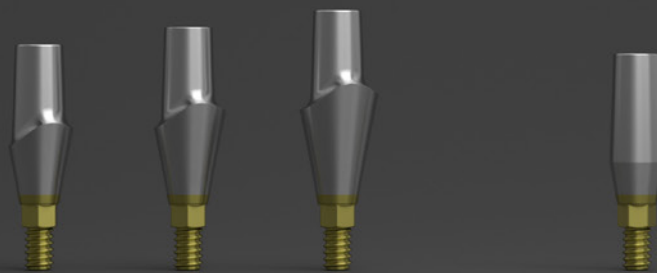
According to the relationship between the antagonist and adjacent teeth, the gingival height, select the appropriate transfer, long or short, according to product availability. The correct transfer seating in the implant and/or abutment must be confirmed when choosing the direct impression technique for the latter.

IMPRESSION COPING DIGITAL

82 41 01 01 i-MV 1 SCAN ABUTMENT

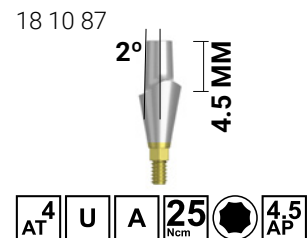
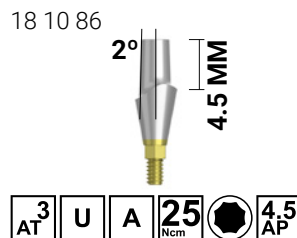
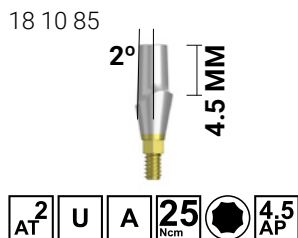
82 41 01 01





4° ANATOMICAL ABUTMENT CEMENTED

18 10 85 VEGA® MV ANATOMICAL STRAIGHT ABUTMENT [U-AT2-AP4.5]
 18 10 86 VEGA® MV ANATOMICAL STRAIGHT ABUTMENT [U-AT3-AP4.5]
 18 10 87 VEGA® MV ANATOMICAL STRAIGHT ABUTMENT [U-AT4-AP4.5]

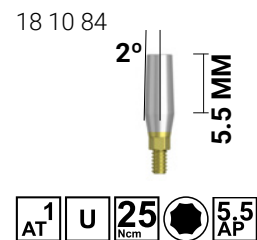


WARNINGS

Do not drill below 4 mm.

ZERO CEMENTED

18 10 84 VEGA® MV ZERO ABUTMENT [U-AT1-AP5.5]

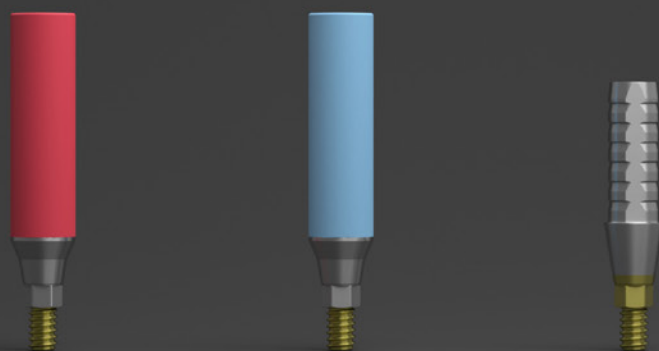


18 11 03 VEGA® MV STAR SCREW



**4° ANATOMICAL ABUTMENT
 ZERO
 GOLD
 CoCr
 Ti
 TITANIUM BASE**

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.



MV PROSTHETIC SOLUTIONS

GOLD SCREW-MOUNTED / CEMENTED

18 10 90 VEGA® MV GOLD ABUTMENT [U-AT1-AP12]

SPECIFICATIONS OF GOLD SOLUTIONS

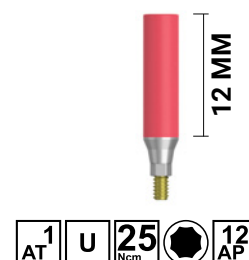
Composition	Au-60%, Pt-19%, Pd-20%, Ir-1%
Melting range	1415 - 1495 °C
Thermal expansion	[CTE 25-600°C] 12.2 µm/m°C
Colour	Red (18 10 90)
Elasticity limit	(Rp 0.2 %) >640 N/m2
Vickers Hardness Test	>230
Elongation	>2 %
Mass 18 10 51	0.53 gr*

*INDICATIVE MASSES. DEPENDS ON MANUFACTURING CHARACTERISTICS.

WARNINGS

An alloy must be chosen for cast-to, pursuant to ISO 9693-1 and ISO 22674 standards. The gold base abutment can be trimmed to a maximum of 4 mm from the connection gap, and the diameter of that zone must not be lowered in order to avoid exposure of the metal. The maximum length of the restoration must not exceed 14 mm. The maximum angulation or tilt must be less than 30° with respect to the dental implant axis. It is not suitable for a multiple screw-mounted prosthesis. See metal specifications.

18 10 90



CoCr SCREW-MOUNTED / CEMENTED

18 10 92 VEGA® MV CrCo ABUTMENT [U-AT1-AP12]

SPECIFICATIONS OF CoCr SOLUTIONS

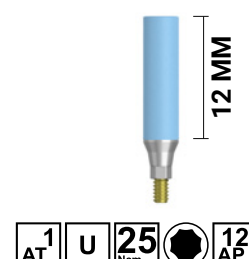
Composition	Cr 26.00 - 30.00%, Mo 5.00 - 7.00%, Si ≤ 1.00%, Mn ≤ 1.00%, Ni ≤ 1.00%, Fe ≤ 0.75%, N ≤ 0.25%, C ≤ 0.14%, Co (balance)
Melting range	1390 - 1415 °C
Coefficient of thermal expansion	13.2 µm/m°C
Colour	Blue (18 10 92)
Elasticity limit	(Rp 0.2 %) >827 Mpa
Vickers Hardness Test	<320 HV10
Elongation	>12 %
Mass 18 10 13	0.25 gr*

*INDICATIVE MASSES. DEPENDS ON MANUFACTURING CHARACTERISTICS.

WARNINGS

An alloy must be chosen for cast-to, pursuant to ISO 9693-1 and ISO 22674 standards. The CoCr base abutment can be trimmed to a maximum of 4 mm from the connection gap, and the diameter of that zone must not be reduced in order to avoid exposure of the metal. The maximum length of the restoration must not exceed 14 mm. The maximum angulation or tilt must be less than 30° with respect to the dental implant axis. It is not suitable for a multiple screw-mounted prosthesis. See metal specifications.

18 10 92



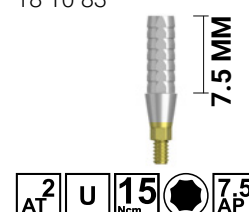
Ti PROVISIONAL

18 10 83 VEGA® MV TITANIUM TEMPORARY ABUTMENT [U-AT2-AP7.5]

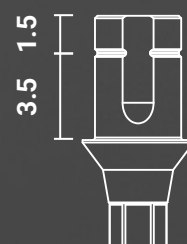
WARNINGS

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.

18 10 83

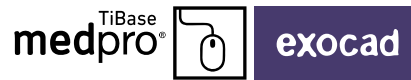


Cerec® is a registered trademark of Sirona Dental Systems GmbH, Germany.

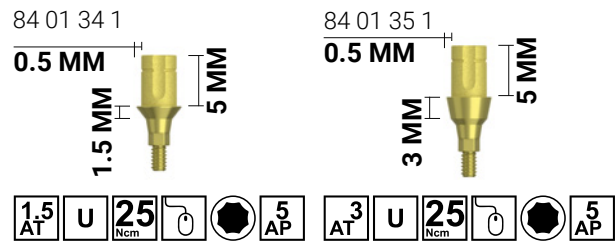


MV PROSTHETIC SOLUTIONS

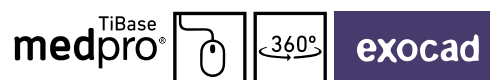
TITANIUM BASE SCREW-MOUNTED / CEMENTED



84 01 34-1 VEGA® MV KLOCKNER® MEDPROTIBASE® [U-AT1.5-A0.5]
84 01 35-1 VEGA® MV KLOCKNER® MEDPROTIBASE® [U-AT3-A0.5]



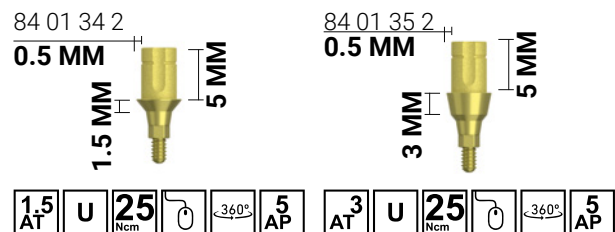
TITANIUM BASE SCREW-MOUNTED / CEMENTED



84 01 34-2 VEGA® MV KLOCKNER® MEDPROTIBASE® [U-AT1.5-A0.5] MP360
84 01 35-2 VEGA® MV KLOCKNER® MEDPROTIBASE® [U-AT3-A0.5] MP360



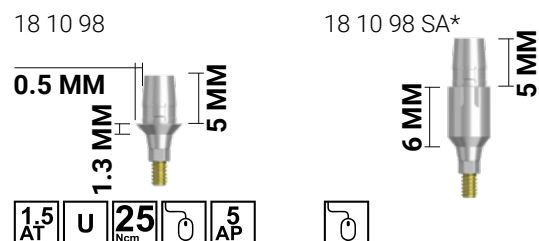
The MEDPRO360° titanium bases include screw
86 001 11 VEGA® MV KLOCKNER® MEDPRO360° SCREW



TITANIUM BASE FOR CEREC® SCREW-MOUNTED / CEMENTED



18 10 98 VEGA® MV TIBASE ABUTMENT [U-AT1.5-AP5]
18 10 98-SA* VEGA® MV TIBASE SCAN ABUTMENT



*The Ti-Base scan abutments are indicated for digital scanning of the position of the KLOCKNER® IMPLANT SYSTEM implants using the CEREC® system.

WARNINGS

The MEDPROTIBASE® abutments have a prosthetic height of 5 mm and an identification marking at 3.5 mm. All abutments with an identification marking can be drilled through the marking if necessary.





MIMETIC® MV PROSTHETIC SOLUTIONS

MIMETIC® is a family of attachments that includes the healing abutment, the temporary abutment and the titanium base.

They have been designed with a unique emergence profile in all three phases, healing (healing abutment), provisionalisation (temporary abutment) and final restoration (titanium base) in order to maintain and care for the soft tissue from implant placement to final restoration. In addition, it facilitates the restorative process without creating unnecessary pressure on the soft tissue when changing attachments.

The maximum diameter is 3.6 mm in all cases, being a narrow emergence that allows its use in reduced interproximal spaces. Available in three transmucosal heights, 1, 2, 3 mm.

Libraries have been developed to include them in digital flows both in the laboratory and in the clinic and are available for the main CAD design programmes.

MIMETIC® TEMPORARY



- 18 14 31 P VEGA® MV MIMETIC® TITANIUM TEMPORARY ABUTMENT [U-AT1-AP7]
- 18 14 32 P VEGA® MV MIMETIC® TITANIUM TEMPORARY ABUTMENT [U-AT2-AP7]
- 18 14 33 P VEGA® MV MIMETIC® TITANIUM TEMPORARY ABUTMENT [U-AT3-AP7]

18 14 31 P



18 14 32 P



18 14 33 P



Temporary abutments and Tibase abutments are delivered with screws 18 11 03

18 11 03 VEGA® MV STAR SCREW



WARNINGS

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.



MIMETIC® MV PROSTHETIC SOLUTIONS

The MIMETIC® titanium base incorporates an innovative light gold surface treatment that mimics the natural tooth colour while providing enhanced mechanical and biological properties [1] [2].

MIMETIC® titanium bases have a prosthetic height of 7 mm and two identification marks at 3.5 and 5 mm. All abutments with identification markings can be milled by the marking if required.

MIMETIC® TITANIUM BASE SCREW-MOUNTED / CEMENTED



- 18 14 31 VEGA® MV MIMETIC® TIBASE ABUTMENT [U-AT1-AP7]
- 18 14 32 VEGA® MV MIMETIC® TIBASE ABUTMENT [U-AT2-AP7]
- 18 14 33 VEGA® MV MIMETIC® TIBASE ABUTMENT [U-AT3-AP7]

18 14 31



18 14 32



18 14 33



Temporary abutments and Tibase abutments are delivered with screws 18 11 03

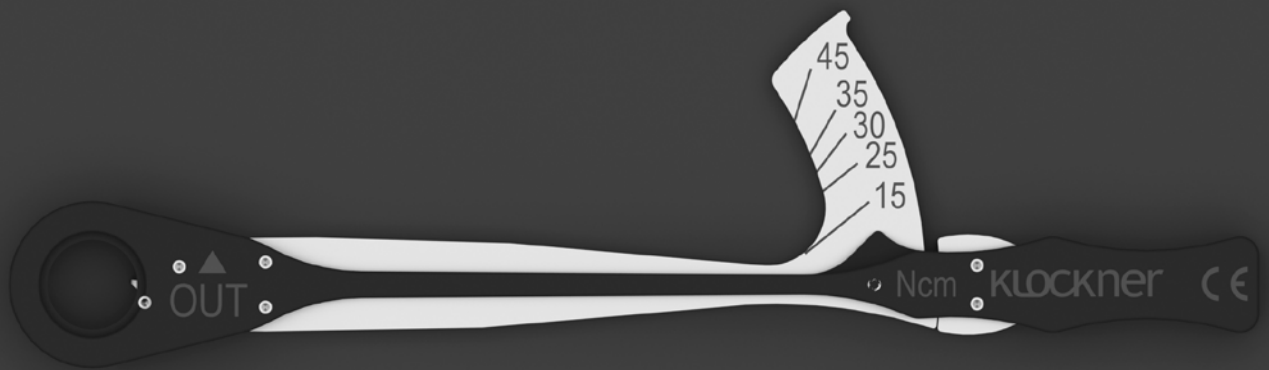
18 11 03 VEGA® MV STAR SCREW



WARNINGS

For the correct use of the MIMETIC® line solutions it is important to follow the correct compatibility between devices. For compatibility see the instructions for use at ifu.klockner.dental.

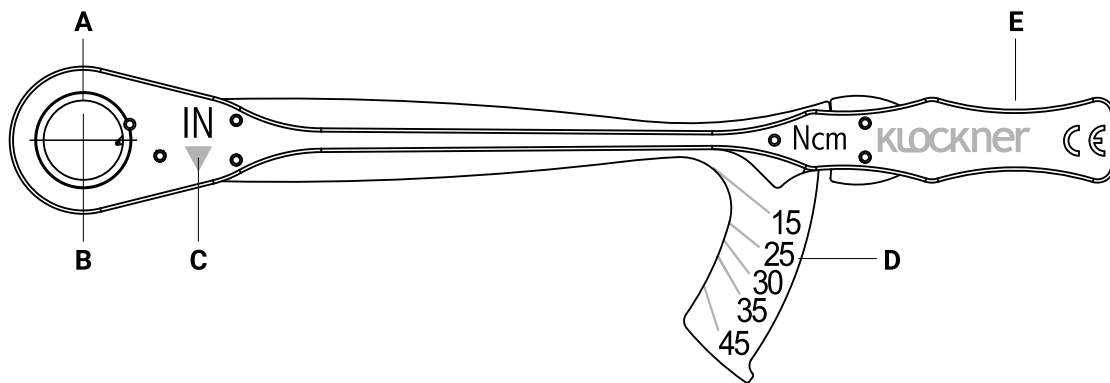




TORQUE WRENCH

The torque wrench is indicated for the surgical and prosthetic phase to tighten abutments and fixation screws in the final placing of the prosthesis on the implants. Manufactured in stainless steel and PEEK, it provides elasticity, mechanical resistance and lightness. It is easy to handle and, at the same time, provides a simple torque control. The torque scale makes it easy to control the torque, at 15 Ncm, 25 Ncm, 30 Ncm, 35 Ncm and 45 Ncm.

It can be used in both directions, rotating the wrench. In the head of the wrench it indicates the direction of the tightening [IN] and loosening [OUT]. The torque wrench can be sterilized in an autoclave. The wrench must be correctly stored and maintained [see instructions for use leaflet].



- A · ADAPTER FITTING AREA
- B · TRANSMISSION SHAFT
- C · WORKING DIRECTION INDICATOR [IN/OUT]
- D · TORQUE SCALE
- E · GRIP

EXTRACTION ADAPTERS

Made of stainless steel.

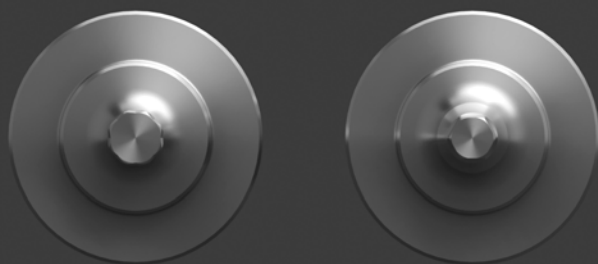
- 18 07 32 SHORT MANUAL EXTRACTOR WRENCH FOR VEGA® MV/NV ABUTMENTS
- 18 07 33 LONG MANUAL EXTRACTOR WRENCH FOR VEGA® MV/NV ABUTMENTS

18 07 32



18 07 33





SCREWDRIVERS TORQUE · CONTRA-ANGLE

SCREWDRIVERS

TORQUE WRENCH

Made of stainless steel.

- 10 08 11 EC-VEGA® STAR SCREWDRIVER FOR TORQUE WRENCH
- 10 08 11 L EC-VEGA® LONG STAR SCREWDRIVER FOR TORQUE WRENCH
- 10 08 14 EC-VEGA® EXTRA LONG STAR SCREWDRIVER FOR TORQUE WRENCH

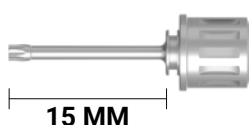
- 50 08 04 VEGA®-KL HEXAGONAL 1.2MM LONG SCREWDRIVER FOR TORQUE WRENCH
- 50 08 05 VEGA®-KL HEXAGONAL 1.2MM SHORT SCREWDRIVER FOR TORQUE WRENCH
- 50 08 09 VEGA®-KL HEXAGONAL 1.2MM XL SCREWDRIVER FOR TORQUE WRENCH

10 08 11



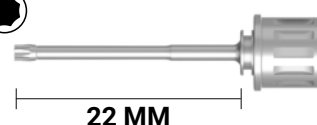
7.5 MM

10 08 11-L



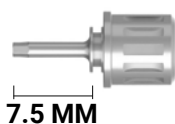
15 MM

10 08 14



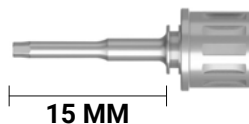
22 MM

50 08 05



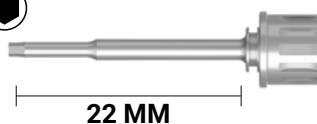
7.5 MM

50 08 04



15 MM

50 08 09



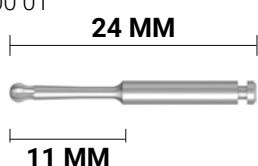
22 MM

MEDPRO360°

Made of stainless steel.

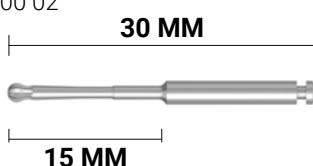
- 86 000 01 MEDPRO360° CONTRA ANGLE LONG SCREWDRIVER
- 86 000 02 MEDPRO360° CONTRA ANGLE EXTRA LONG SCREWDRIVER
- 86 000 03 CONTRA ANGLE/RATCHET FOR TORQUE WRENCH ADAPTER

86 000 01



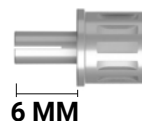
11 MM

86 000 02



15 MM

86 000 03



6 MM

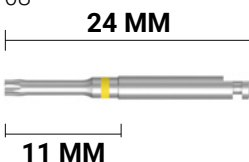
SCREWDRIVERS

CONTRA ANGLE

Made of stainless steel.

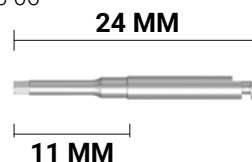
- 10 08 08 EC-VEGA® STAR CONTRA-ANGLE SCREWDRIVER
- 50 08 06 VEGA®-KL HEXAGONAL 1.2MM CONTRA-ANGLE SCREWDRIVER

10 08 08



11 MM

50 08 06



11 MM

PRODUCT WARNINGS

IMPRINTING

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 elements from becoming detached in the oral cavity, with the risk of swallowing or aspiration of same.

VOIDING

Check the stability of the transfer-replica unit in the impression before removing. 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 prosthesis manufacturing process until their final insertion, in which a torque of 25 Ncm should be applied.
- It is important to not exceed a torque of 25 Ncm.
- In case of provisional solutions, the torque to be applied for the placement is 15 Ncm.

SYMBOLS AND ANNOTATIONS

	CLOSED TRAY		TRANSMUCOSAL HEIGHT 0.5 MM		ANATOMICAL ABUTMENT BODY
	OPEN TRAY		TRANSMUCOSAL HEIGHT 1.0 MM		UNIT SOLUTION
	DIGITAL		TRANSMUCOSAL HEIGHT 1.5 MM		SOLUCIÓN MÚLTIPLE
	STAR TIP		TRANSMUCOSAL HEIGHT 2.0 MM		MEDPRO 360° SYSTEM
	HEXAGONAL POINT		TRANSMUCOSAL HEIGHT 3.0 MM		PROSTHETIC HEIGHT 4.5 MM
	PLACEMENT AT 15 NCM		TRANSMUCOSAL HEIGHT 3.5 MM		PROSTHETIC HEIGHT 5.0 MM
	PLACEMENT AT 25 NCM		TRANSMUCOSAL HEIGHT 4.0 MM		PROSTHETIC HEIGHT 5.5 MM
	PLACEMENT AT 30 NCM		TRANSMUCOSAL HEIGHT 5.0 MM		PROSTHETIC HEIGHT 7.0 MM
			TRANSMUCOSAL HEIGHT 6.0 MM		PROSTHETIC HEIGHT 7.5 MM
					PROSTHETIC HEIGHT 12 MM

LIST OF REFERENCES

IMPRESSION COPING

18 09 09 VEGA® MV ABUTMENT ANALOG [CLOSED TRAY]
18 09 10 VEGA® MV ABUTMENT ANALOG [OPEN TRAY]
18 09 31 VEGA® MV IMPLANT ANALOG

82 41 01 01 i-MV 1 SCAN ABUTMENT

4° ANATOMICAL ABUTMENT

18 10 85 VEGA® MV ANATOMICAL STRAIGHT ABUTMENT [U-AT2-AP4.5]
18 10 86 VEGA® MV ANATOMICAL STRAIGHT ABUTMENT [U-AT3-AP4.5]
18 10 87 VEGA® MV ANATOMICAL STRAIGHT ABUTMENT [U-AT4-AP4.5]

ZERO

18 10 84 VEGA® MV ZERO ABUTMENT [U-AT1-AP5.5]

GOLD

18 10 90 VEGA® MV GOLD ABUTMENT [U-AT1-AP12]

CoCr

18 10 92 VEGA® MV CrCo ABUTMENT [U-AT1-AP12]

Ti

18 10 83 VEGA® MV TITANIUM TEMPORARY ABUTMENT [U-AT2-AP7.5]

TITANIUM BASE

84 01 34-1 VEGA® MV KLOCKNER® MEDPROTIBASE® [U-AT1.5-A0.5]
84 01 35-1 VEGA® MV KLOCKNER® MEDPROTIBASE® [U-AT3-A0.5]

84 01 34-2 VEGA® MV KLOCKNER® MEDPROTIBASE® [U-AT1.5-A0.5] MP360
84 01 35-2 VEGA® MV KLOCKNER® MEDPROTIBASE® [U-AT3-A0.5] MP360

18 10 98 VEGA® MV TIBASE ABUTMENT [U-AT1.5-AP5]
18 10 98-SA VEGA® MV TIBASE SCAN ABUTMENT

18 11 03 VEGA® MV STAR SCREW
86 001 11 VEGA® MV KLOCKNER® MEDPRO360° SCREW

MIMETIC®

18 14 31 P VEGA® MV MIMETIC® TITANIUM TEMPORARY ABUTMENT [U-AT1-AP7]
18 14 32 P VEGA® MV MIMETIC® TITANIUM TEMPORARY ABUTMENT [U-AT2-AP7]
18 14 33 P VEGA® MV MIMETIC® TITANIUM TEMPORARY ABUTMENT [U-AT3-AP7]

MIMETIC® TITANIUM BASE

18 14 31 VEGA® MV MIMETIC® TIBASE ABUTMENT [U-AT1-AP7]
18 14 32 VEGA® MV MIMETIC® TIBASE ABUTMENT [U-AT2-AP7]
18 14 33 VEGA® MV MIMETIC® TIBASE ABUTMENT [U-AT3-AP7]

WRENCHES AND ADAPTERS

JDTWKL JDTORQUE® TORQUE WRENCH

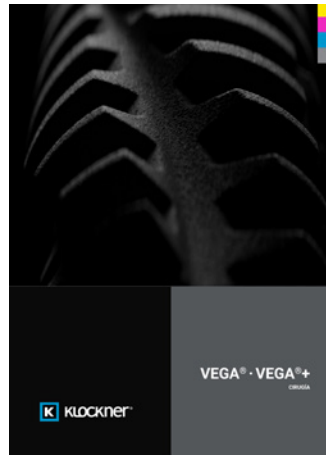
10 08 11 EC-VEGA® STAR SCREWDRIVER FOR TORQUE WRENCH
10 08 11 L EC-VEGA® LONG STAR SCREWDRIVER FOR TORQUE WRENCH
10 08 14 EC-VEGA® EXTRA LONG STAR SCREWDRIVER FOR TORQUE WRENCH
50 08 04 VEGA®-KL HEXAGONAL 1.2MM LONG SCREWDRIVER FOR TORQUE WRENCH
50 08 05 VEGA®-KL HEXAGONAL 1.2MM SHORT SCREWDRIVER FOR TORQUE WRENCH
50 08 09 VEGA®-KL HEXAGONAL 1.2MM XL SCREWDRIVER FOR TORQUE WRENCH

18 07 32 SHORT MANUAL EXTRACTOR WRENCH FOR VEGA® MV/NV ABUTMENTS
18 07 33 LONG MANUAL EXTRACTOR WRENCH FOR VEGA® MV/NV ABUTMENTS

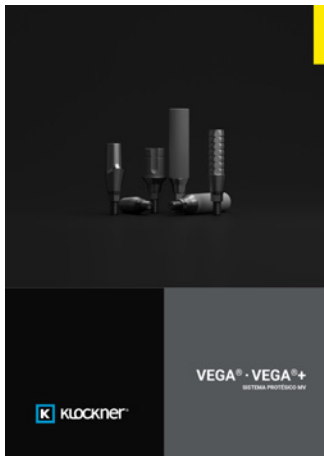
86 000 01 MEDPRO360° CONTRA ANGLE LONG SCREWDRIVER
86 000 02 MEDPRO360° CONTRA ANGLE EXTRA LONG SCREWDRIVER
86 000 03 CONTRA ANGLE/RATCHET FOR TORQUE WRENCH ADAPTER
10 08 08 EC-VEGA® STAR CONTRA-ANGLE SCREWDRIVER
50 08 06 VEGA®-KL HEXAGONAL 1.2MM CONTRA-ANGLE SCREWDRIVER



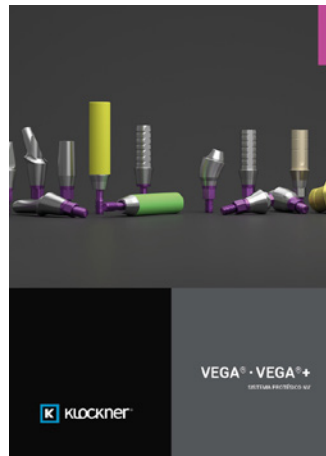
VEGA_IM_KLOCKNER_EN
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**Freedom
is not
fixed**



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