VEGA® · VEGA®+

SURGERY

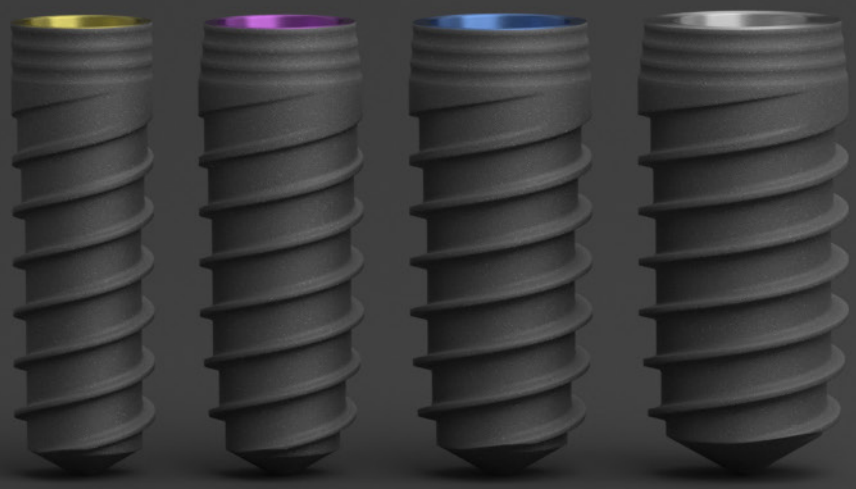
KLOCKNER®

Freedom is not fixed

KLOCKNER®

VEGA® · VEGA®+

SURGERY

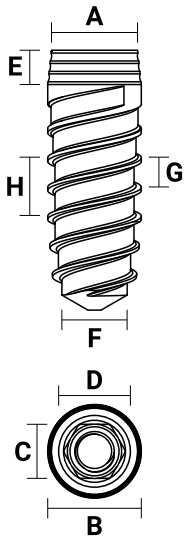


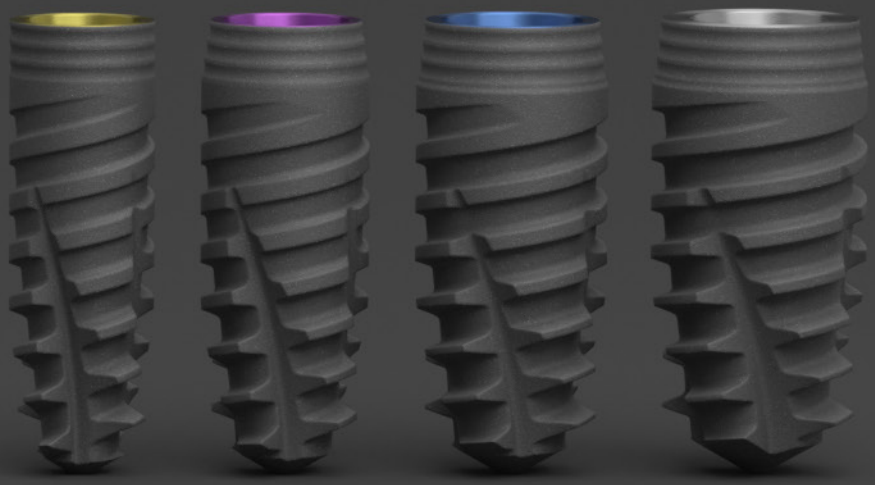
KLOCKNER®

VEGA®

	A	B	C	D	E	F	G	H
18 30 10	3.0	3.0	1.85	2.5	1.2	2.5	1.1	2.2
18 35 10	3.3	3.5	2.05	2.7	1.3	2.5	1.1	2.2
18 40 10	3.8	4.0	2.35	3.1	1.3	2.8	1.1	2.2
18 45 10	4.3	4.5	2.35	3.1	1.3	3.3	1.1	2.2

A · MINIMUM DIAMETER OF COLLAR
B · MAXIMUM DIAMETER OF COLLAR
C · CONNECTION
D · ABUTMENT INTERFACE DIAMETER
E · COLLAR LENGTH
F · APEX DIAMETER
G · SPACE BETWEEN STRINGS
H · THREAD PITCH



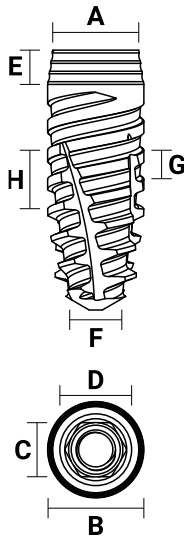


KLOCKNER®

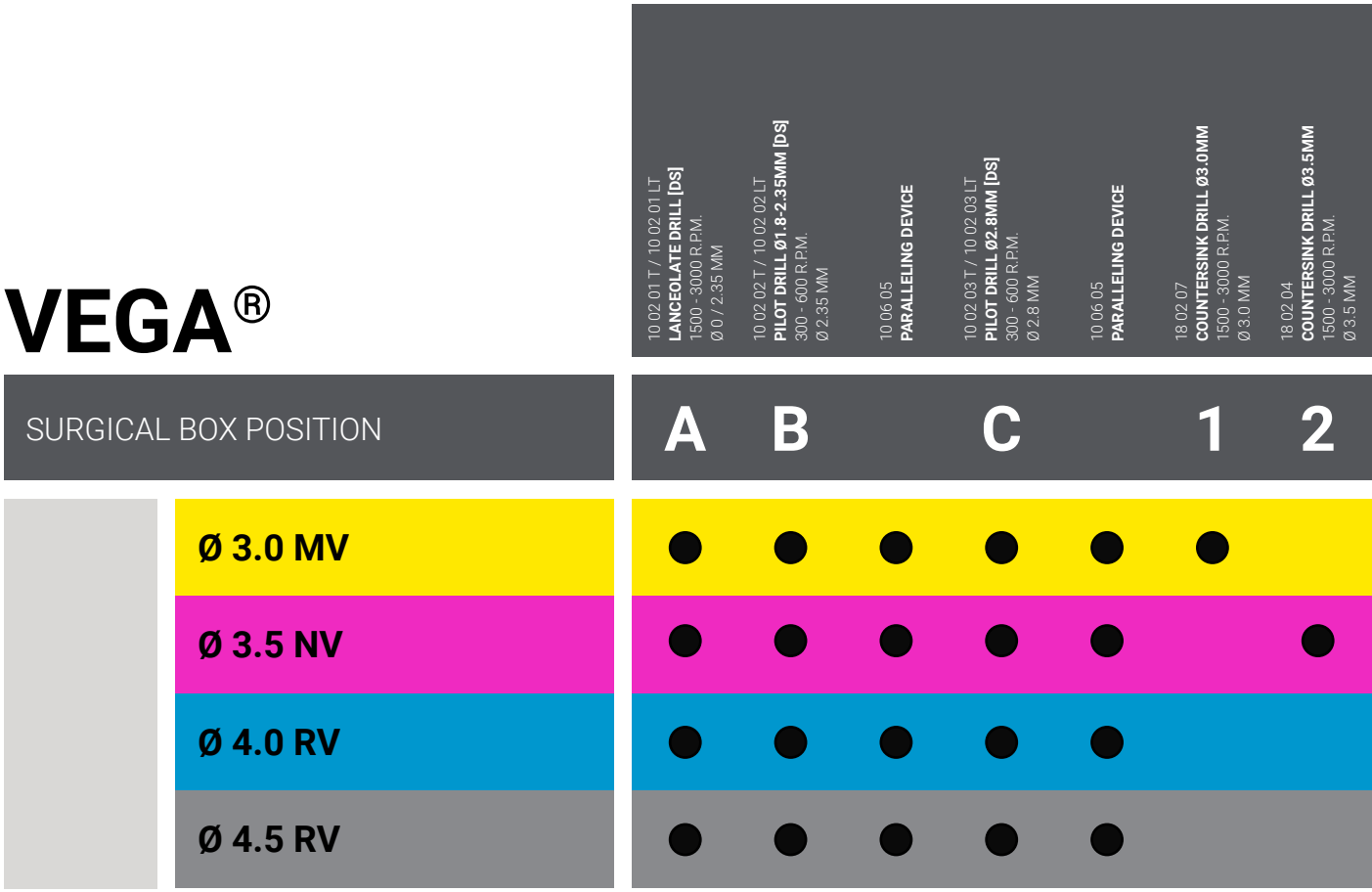
VEGA®+

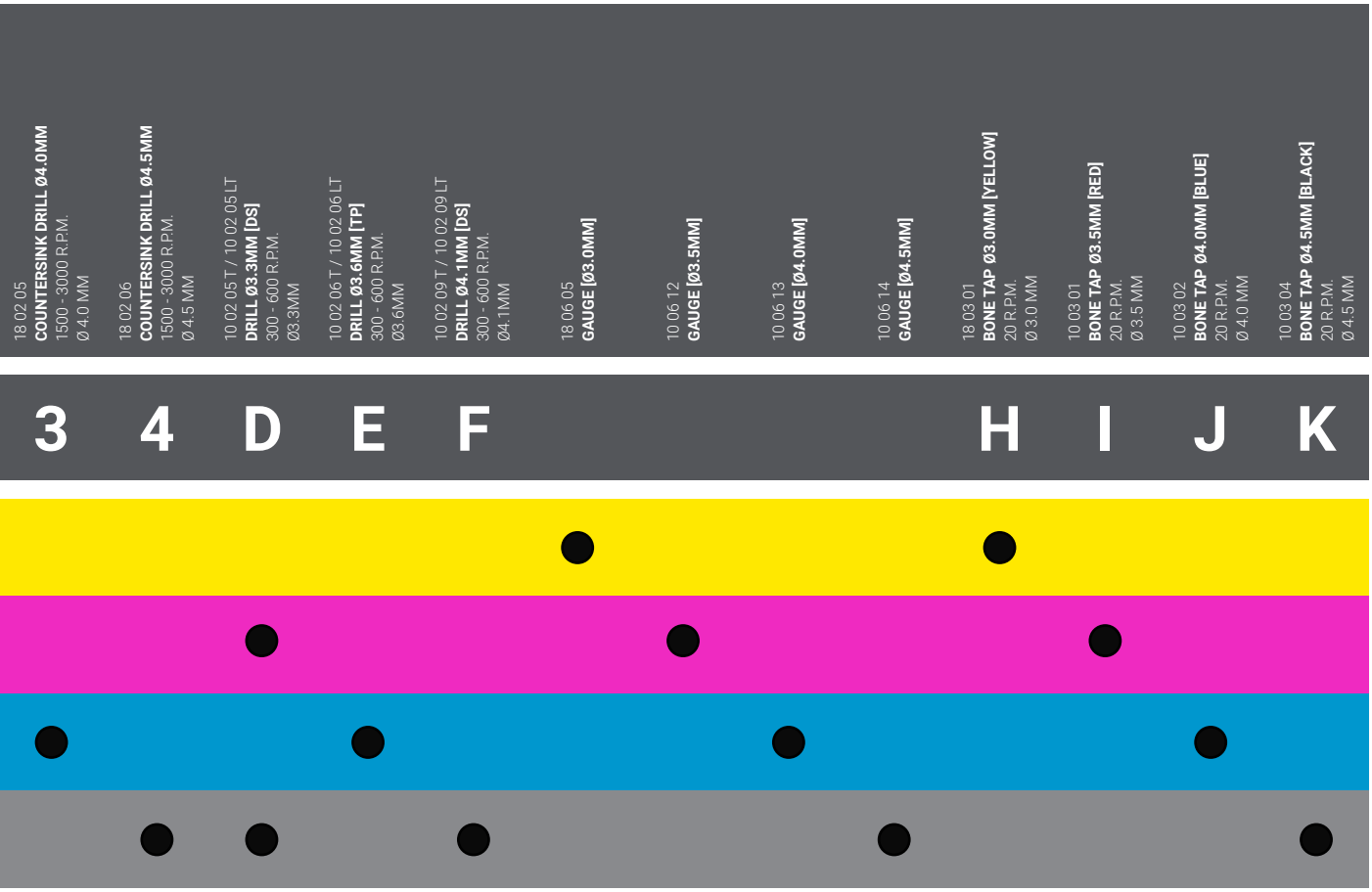
	A	B	C	D	E	F	G	H
19 31 10	3.1	3.1	1.85	2.5	1.2	1.6	1.1	2.2
19 36 10	3.3	3.6	2.05	2.7	1.3	2.0	1.1	2.2
19 41 10	3.8	4.1	2.35	3.1	1.3	2.3	1.1	2.2
19 46 10	4.3	4.6	2.35	3.1	1.3	2.8	1.1	2.2

A · MINIMUM DIAMETER OF COLLAR
B · MAXIMUM DIAMETER OF COLLAR
C · CONNECTION
D · ABUTMENT INTERFACE DIAMETER
E · COLLAR LENGTH
F · APEX DIAMETER
G · SPACE BETWEEN STRINGS
H · THREAD PITCH



VEGA®


10 02 01 T / 10 02 01 LT
LANCEOLATE DRILL [DS]
1500 - 3000 R.P.M.
Ø 0 / 2.35 MM
10 02 02 T / 10 02 02 LT
PILOT DRILL Ø1.8-2.35MM [DS]
300 - 600 R.P.M.
Ø 2.35 MM
10 06 05
PARALLELING DEVICE
10 02 03 T / 10 02 03 LT
PILOT DRILL Ø2.8MM [DS]
300 - 600 R.P.M.
Ø 2.8 MM
10 06 05
PARALLELING DEVICE
18 02 07
COUNTERSINK DRILL Ø3.0MM
1500 - 3000 R.P.M.
Ø 3.0 MM
18 02 04
COUNTERSINK DRILL Ø3.5MM
1500 - 3000 R.P.M.
Ø 3.5 MM
SURGICAL BOX POSITION
A
B
C
1
2
Ø 3.0 MV
Ø 3.5 NV
Ø 4.0 RV
Ø 4.5 RV



WARNINGS
Non-compliance with the surgical sequence recommendations may cause:
Implant insertion difficulties, causing over-compression in the implant bed / Lack of primary stability / Osseointegration failure.

All sharp and rotary instruments can invade compromised anatomical areas, such as: Nasal passages / Maxillary sinus / Dental nerve / Mental foramen / Lingual artery.

Secure the instruments with a traction thread in order to avoid accidental swallowing or aspiration of this material. According to the manufacturer's instructions, drills must not exceed 5 uses.Check that the drills are serviceable and in perfect working condition for their use. Due to the relationship between drill and implant dimensions, the described sequence must be followed in all cases.

Before its use, check that the hand piece fixes to the drills perfectly and turns properly, verifying that irrigation is suitable. Eccentricity of any rotary cutting element can result in overworking of the socket. Failure to secure the instruments in the mouth can lead to loosening in the oral cavity and accidental swallowing or aspiration of same. Copious irrigation with sterile solution is essential during the drilling process to prevent damaging the bone tissue and affecting osseointegration of the implant. Failure to use irrigation with rotary instruments can result in bone necrosis. The indicated revolutions must not be exceeded.
Applying levering forces during the drilling process may result in the instrument breaking.
Exceeding a torque of 45 Ncm can damage the connection of the surgical material in the contra-angle and even damage the contra-angle head. Alternating pressure should be applied, using the drilling technique intermittently. Loss of drill identifying colours may result in errors in the drilling sequence. KLOCKNER® IMPLANT SYSTEM declines any liability for damages resulting from failure to comply with the instructions for use.

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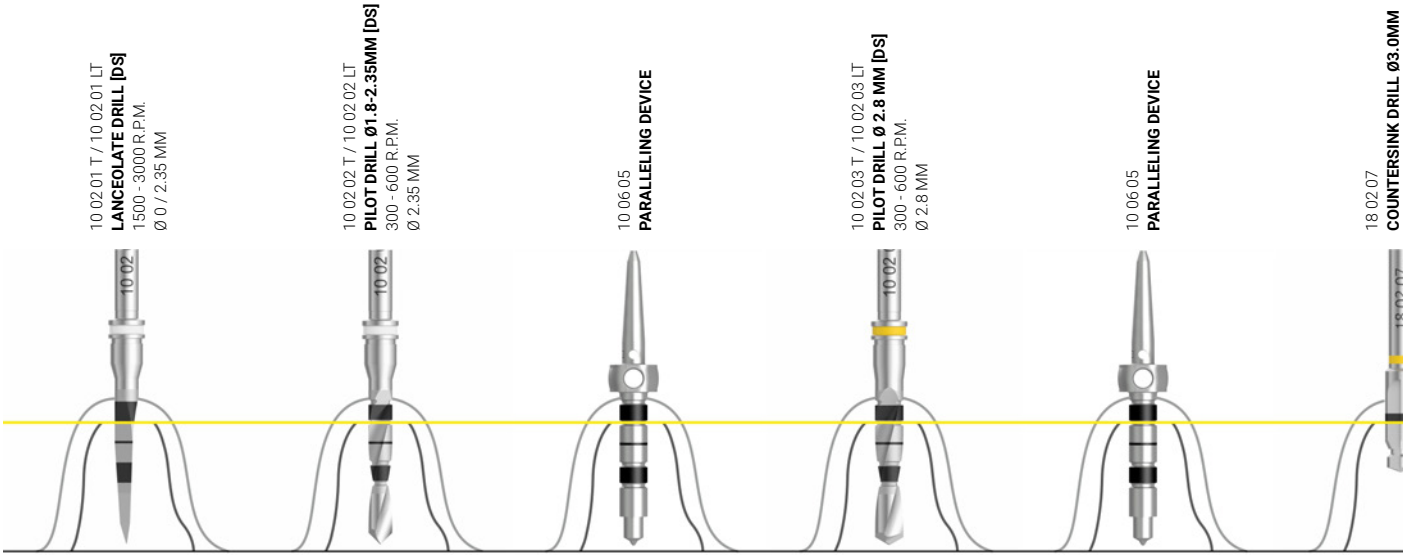
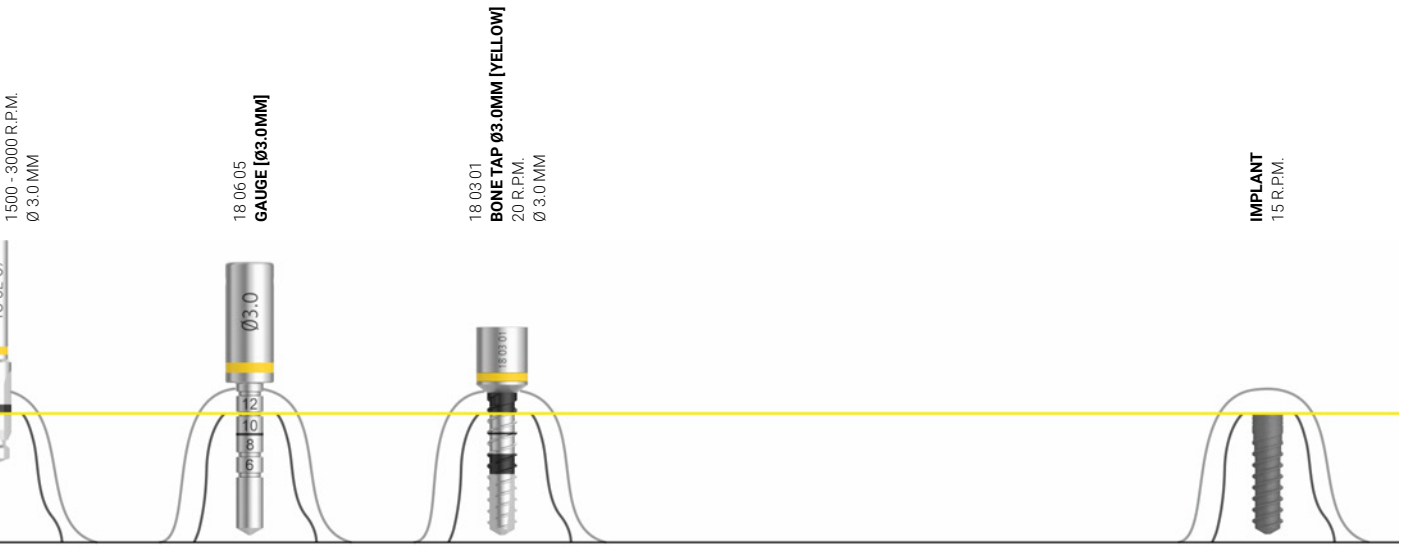
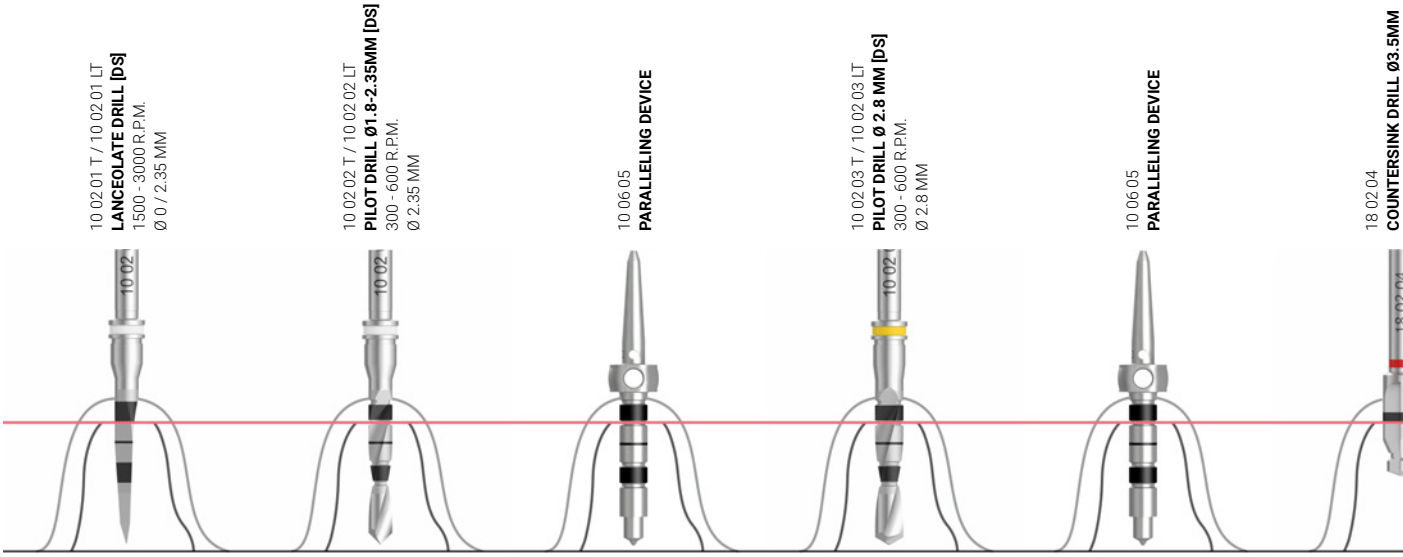


The above sequence shows the placement of 12 mm long implants.

QUICK GUIDE Ø 3.0 MV



VEGA®



The above sequence shows the placement of 12 mm long implants.

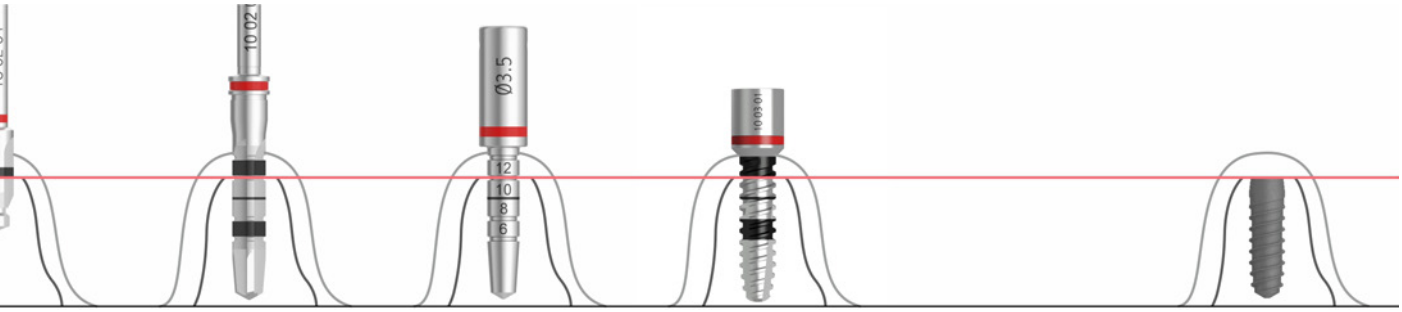
1500 - 3000 R.P.M.
Ø 3.5 MM

10 02 05 T / 10 02 05 LT
DRILL Ø3.3MM [DS]
300 - 600 R.P.M.
Ø3.3MM

10 06 12
GAUGE [Ø3.5MM]

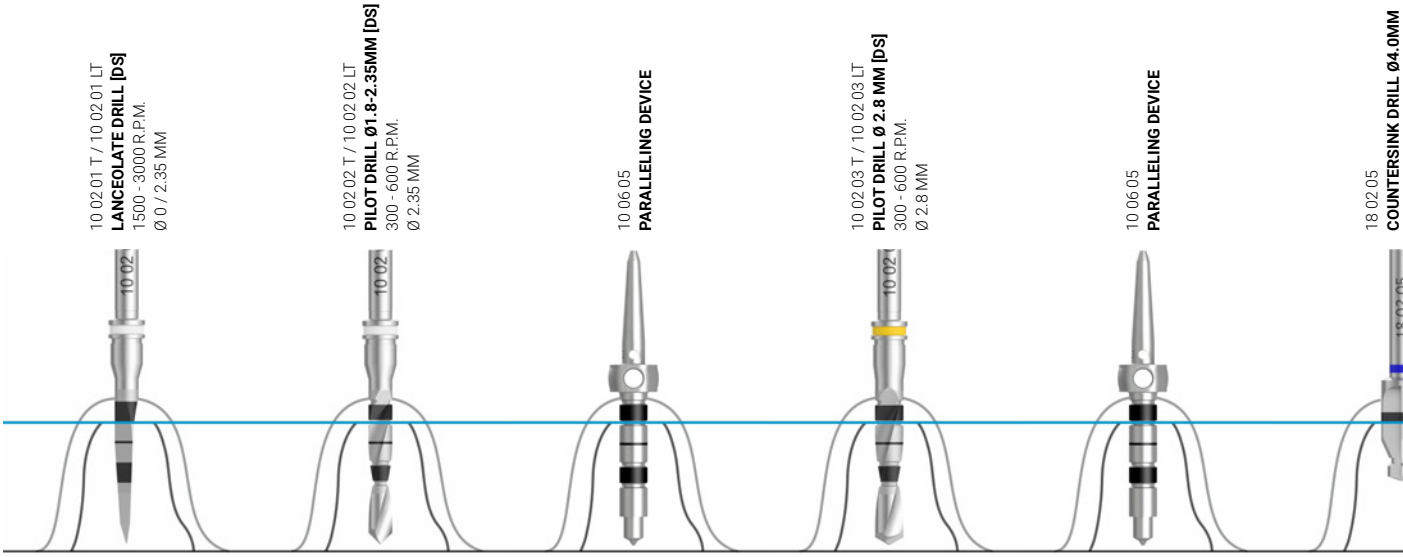
10 03 01
BONE TAP Ø 3.5 MM [RED]
20 R.P.M.
Ø 3.5 MM

IMPLANT
15 R.P.M.

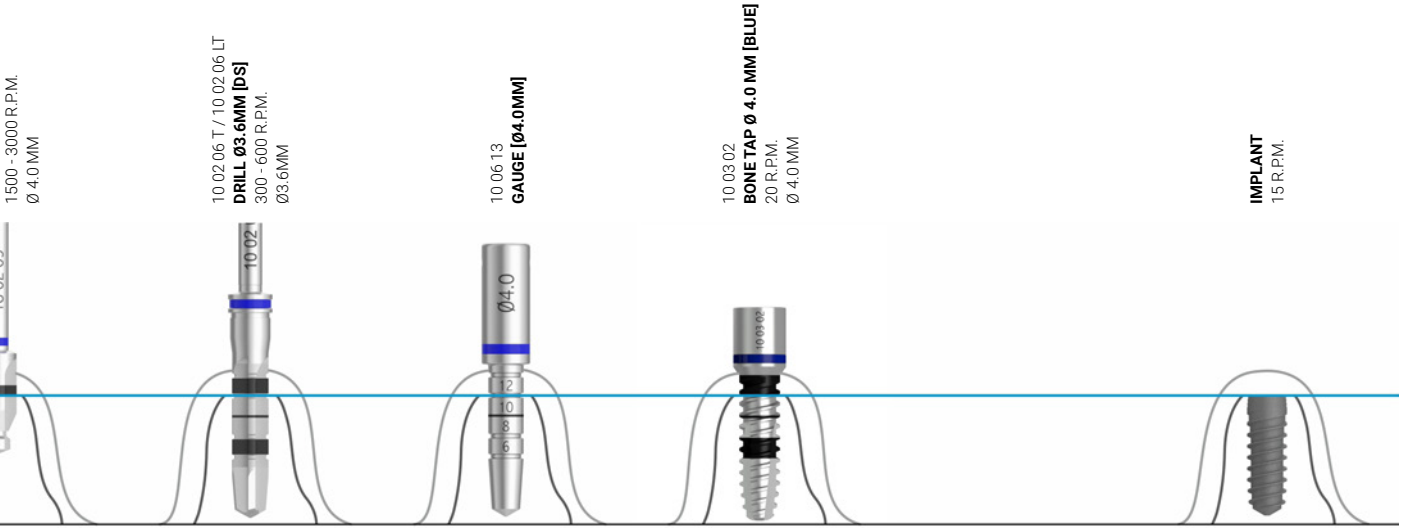


2 **D** **I**

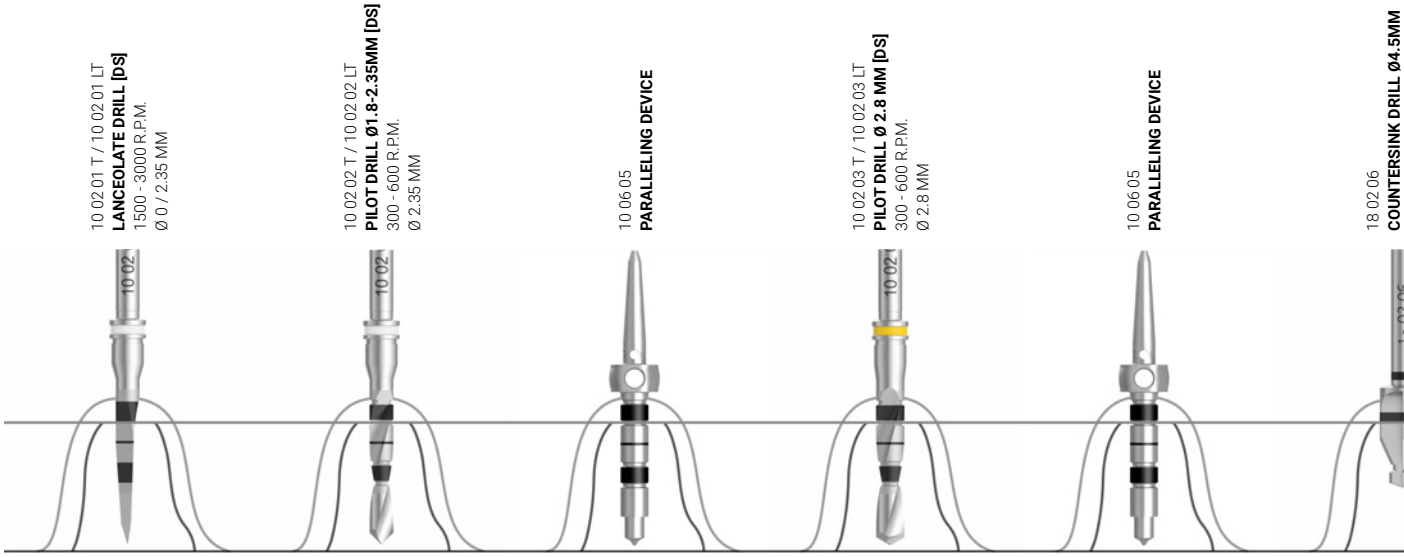
VEGA®



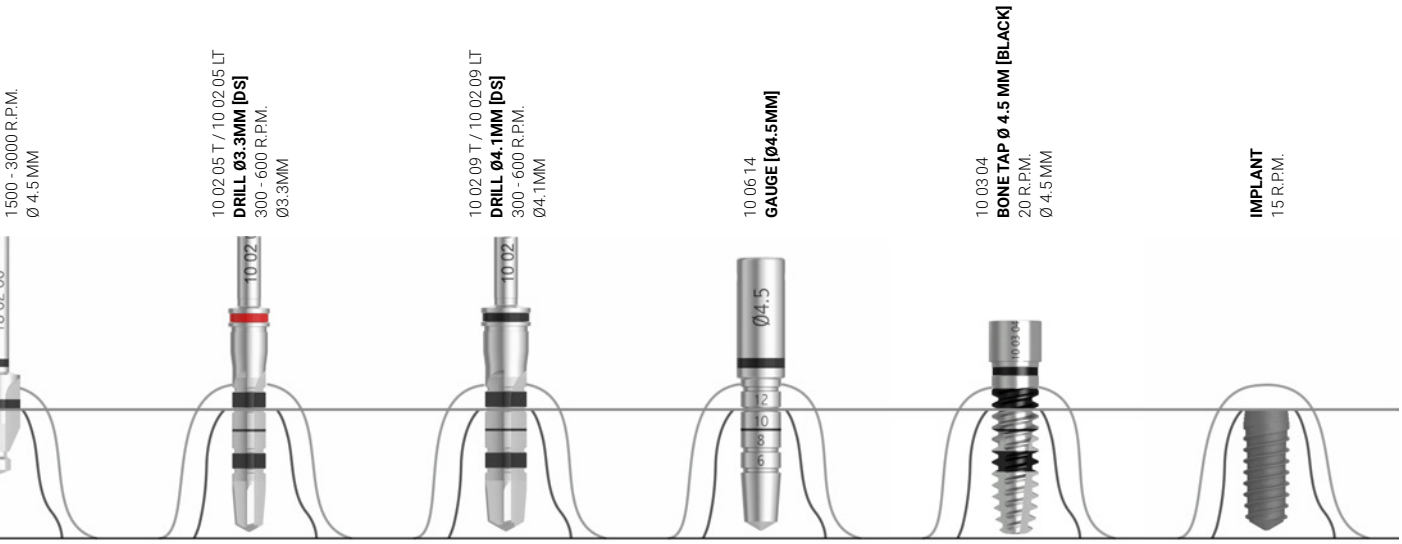
The above sequence shows the placement of 12 mm long implants.


1500 - 3000 R.P.M.
Ø 4.0 MM
10 02 06 T / 10 02 06 LT
DRILL Ø3.6MM [DS]
300 - 600 R.P.M.
Ø3.6MM
10 06 13
GAUGE [Ø4.0MM]
10 03 02
BONE TAP Ø 4.0 MM [BLUE]
20 R.P.M.
Ø 4.0 MM
IMPLANT
15 R.P.M.
10 02
Ø4.0
12
10
8
6
B
E
J

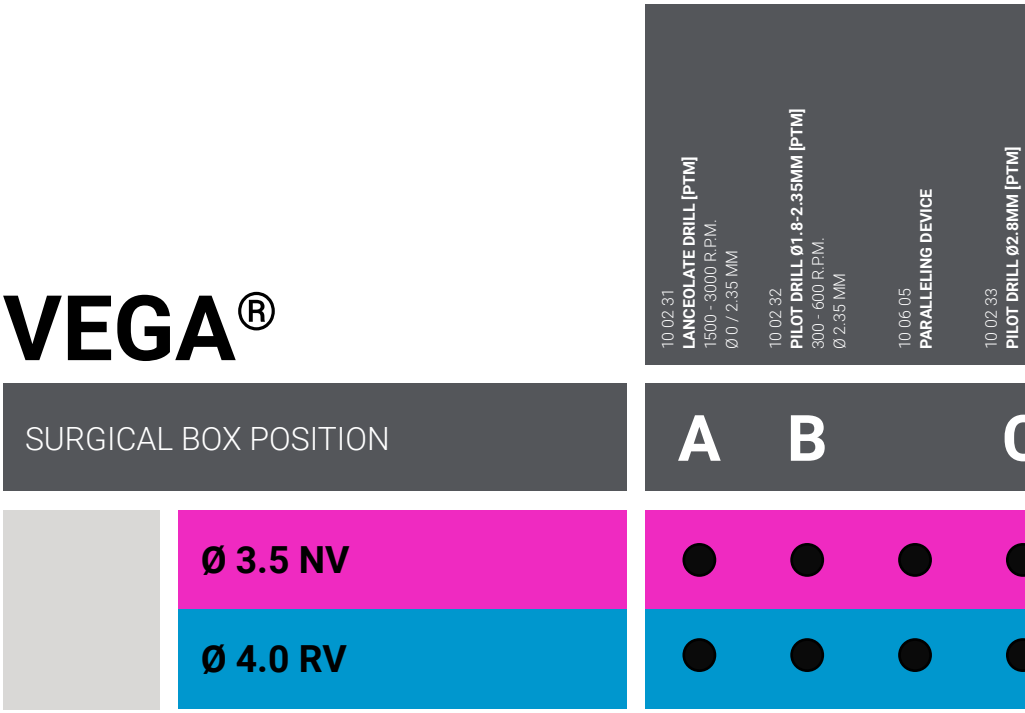
VEGA®



The above sequence shows the placement of 12 mm long implants.

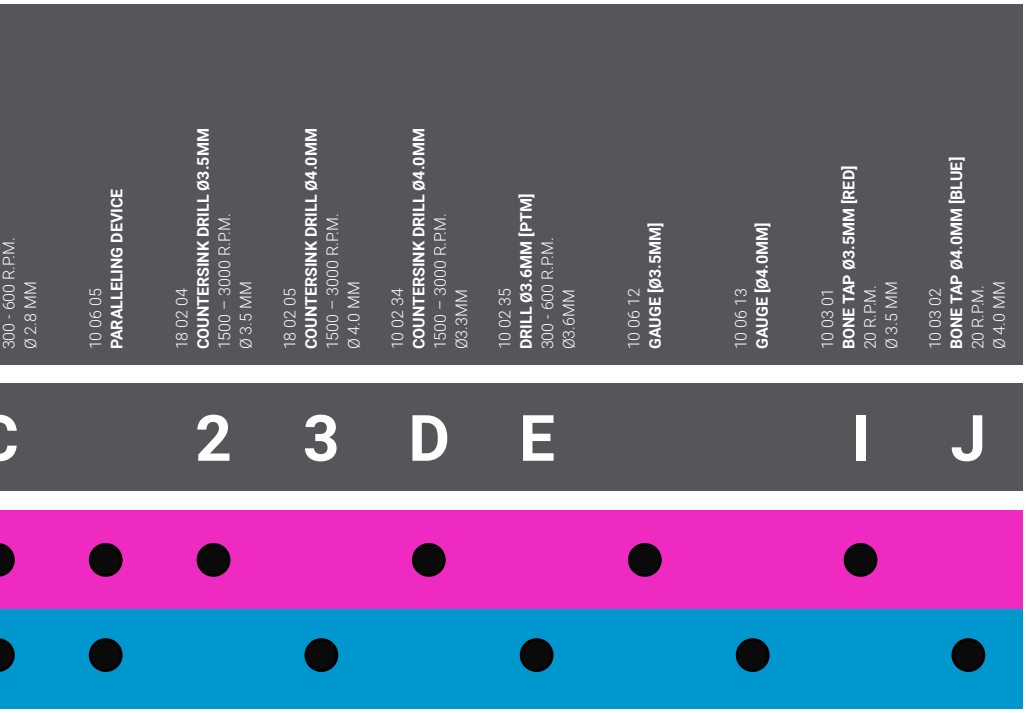

1500 - 3000 R.P.M.
Ø 4.5 MM
10 02 05 T / 10 02 05 LT
DRILL Ø3.3MM [DS]
300 - 600 R.P.M.
Ø3.3MM
10 02 09 T / 10 02 09 LT
DRILL Ø4.1MM [DS]
300 - 600 R.P.M.
Ø4.1MM
10 06 14
GAUGE [Ø4.5MM]
10 03 04
BONE TAP Ø 4.5 MM [BLACK]
20 R.P.M.
Ø 4.5 MM
IMPLANT
15 R.P.M.
10 02
10 02
Ø4.5
12
10
8
6
4
D
F
K

VEGA®



The sequence above shows the placement of 16 mm long implants.

PTERYGOMAXILLARY QUICK GUIDES



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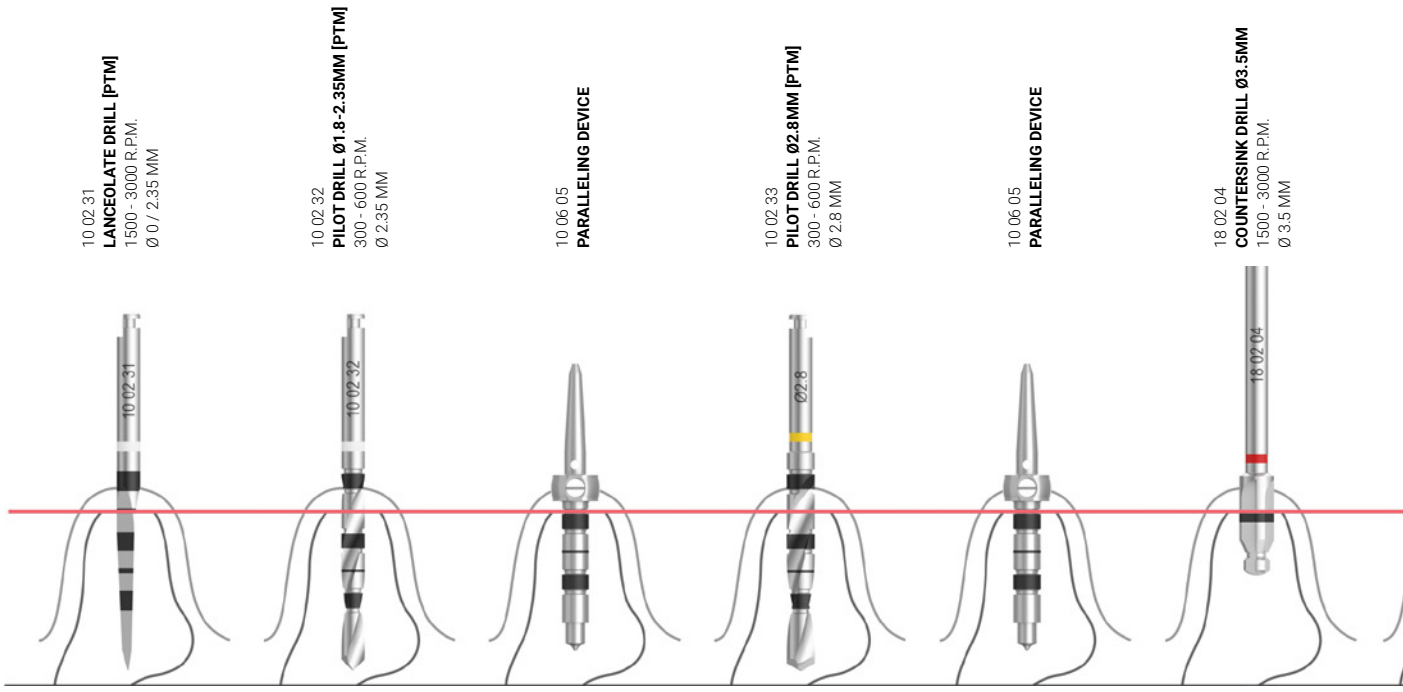
PTERYGOMAXILLARY



The sequence above shows the placement of 16 mm long implants.

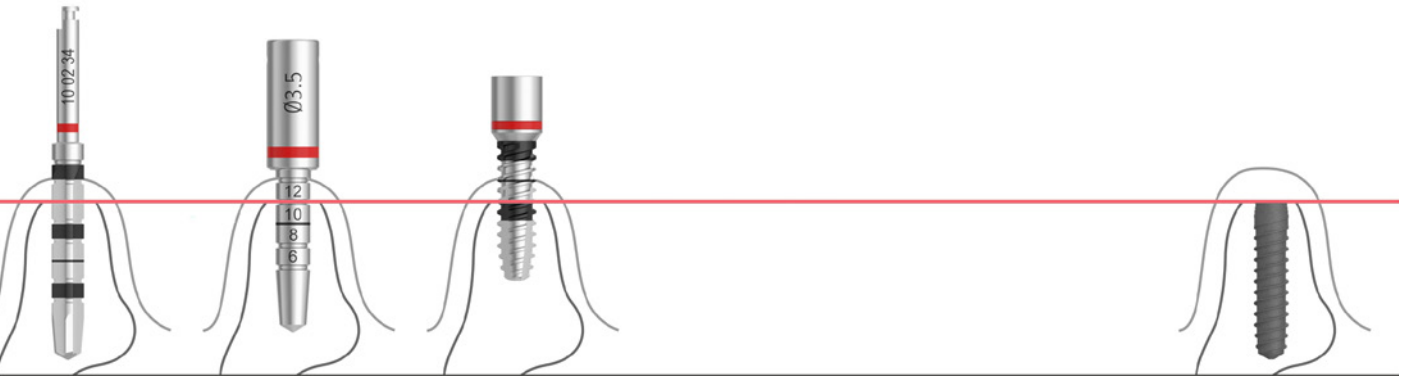
QUICK GUIDE Ø3.5 NV PTERYGOMAXILLARY

10 02 34
DRILL Ø3.3MM [PTM]
300 - 600 R.P.M.
Ø3.3MM

10 06 12
GAUGE [Ø3.5MM]

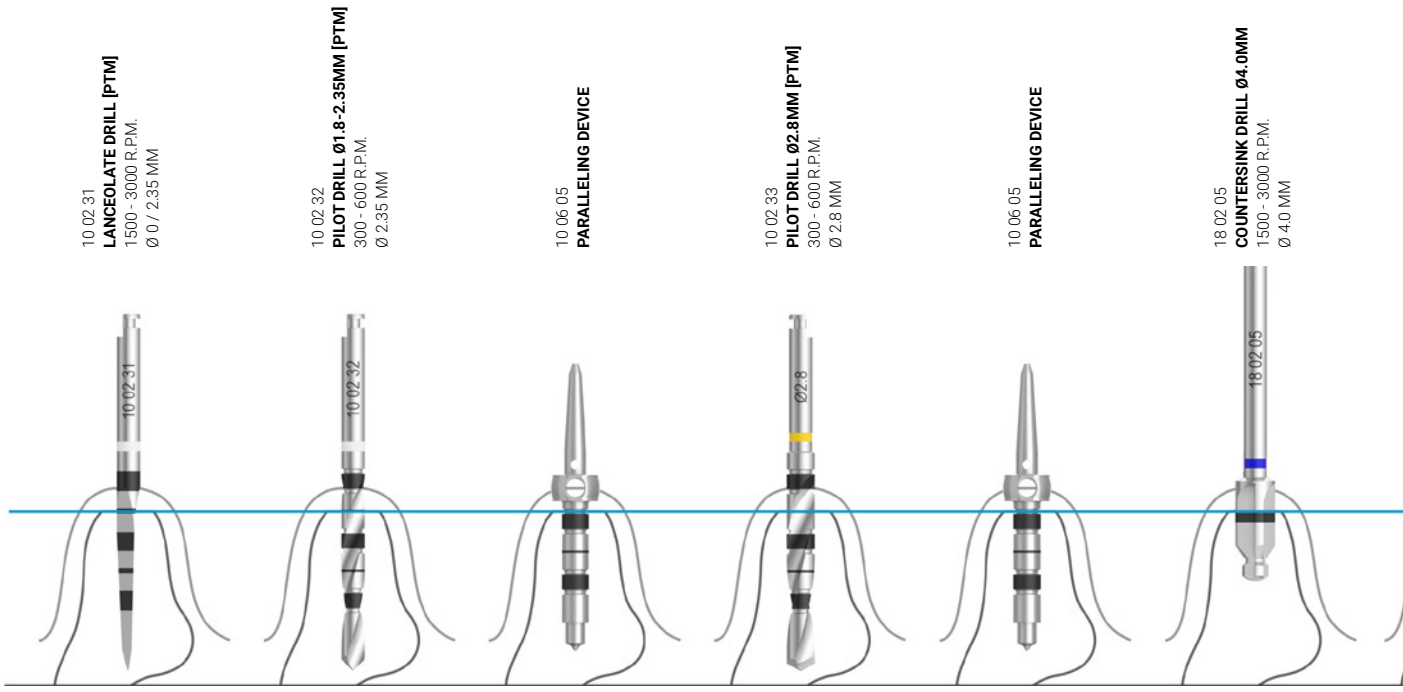
10 03 01
BONE TAP Ø3.5MM [RED]
20 R.P.M.
Ø 3.5 MM

IMPLANT
15 R.P.M.



D **I**

VEGA®
PTERYGOMAXILLARY



The sequence above shows the placement of 16 mm long implants.

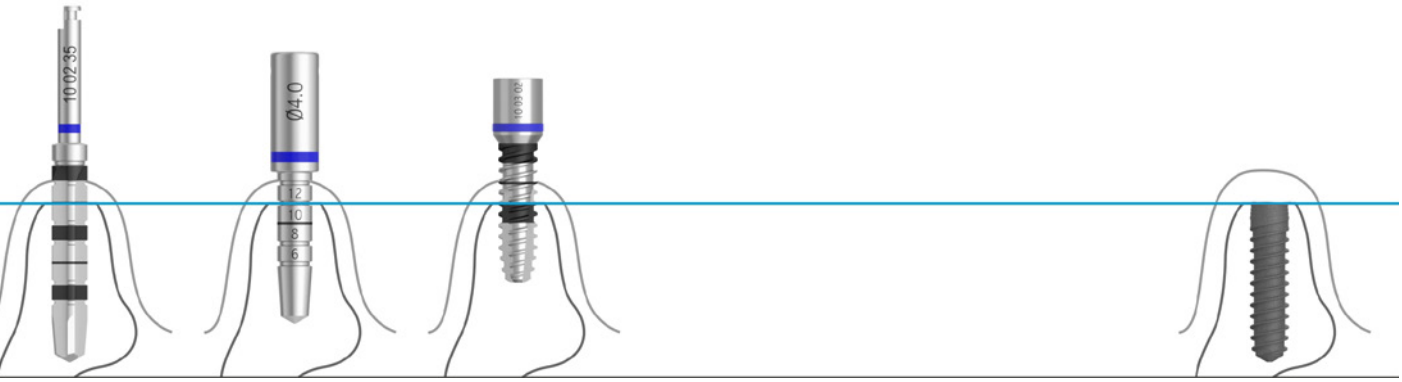
QUICK GUIDE Ø4.0 RV PTERYGOMAXILLARY

10 02 35
DRILL Ø3.6MM [PTM]
300 - 600 R.P.M.
Ø3.6MM

10 06 13
GAUGE [Ø4.0MM]

10 03 02
BONE TAP Ø4.0MM [BLUE]
20 R.P.M.
Ø 4.0 MM

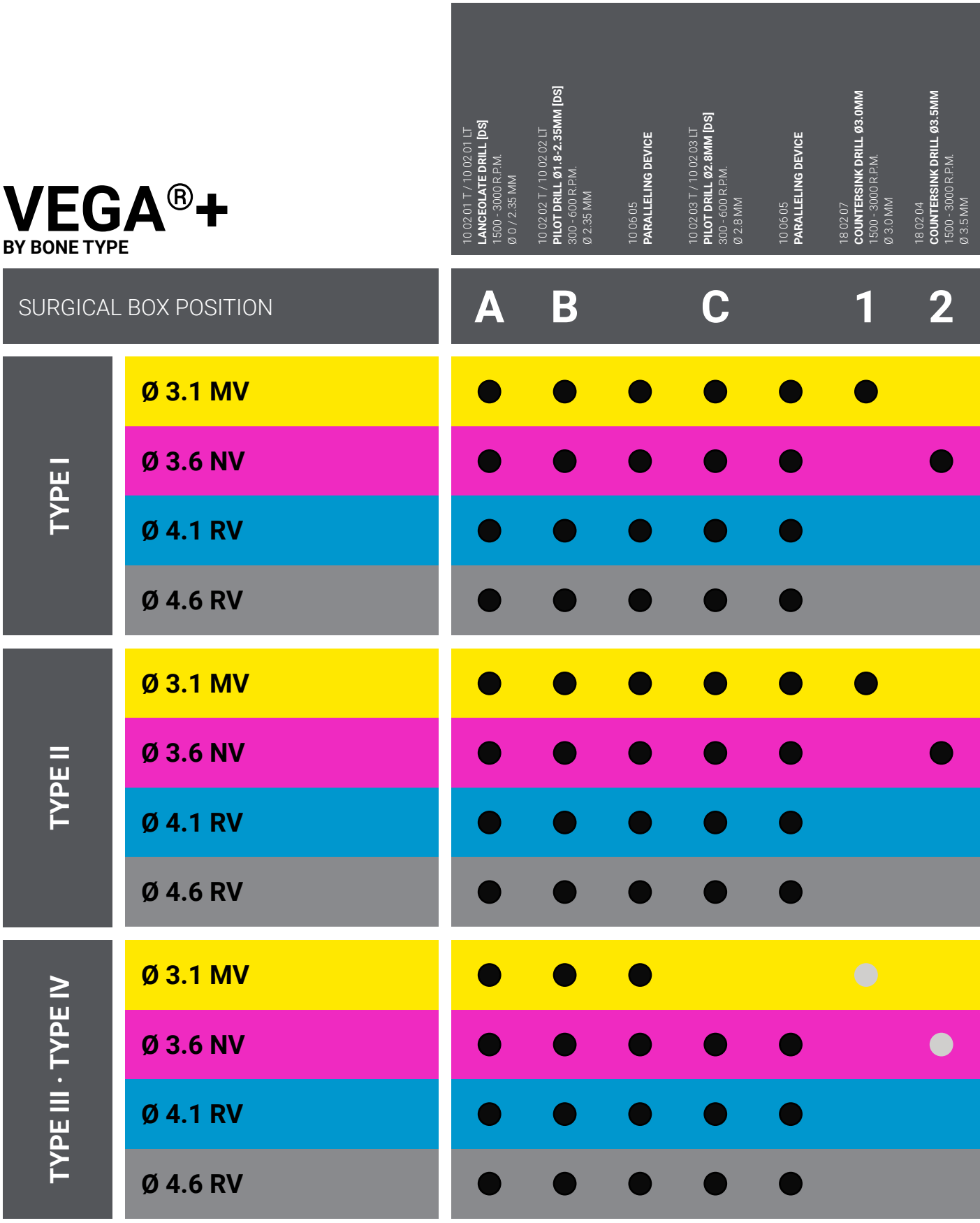
IMPLANT
15 R.P.M.



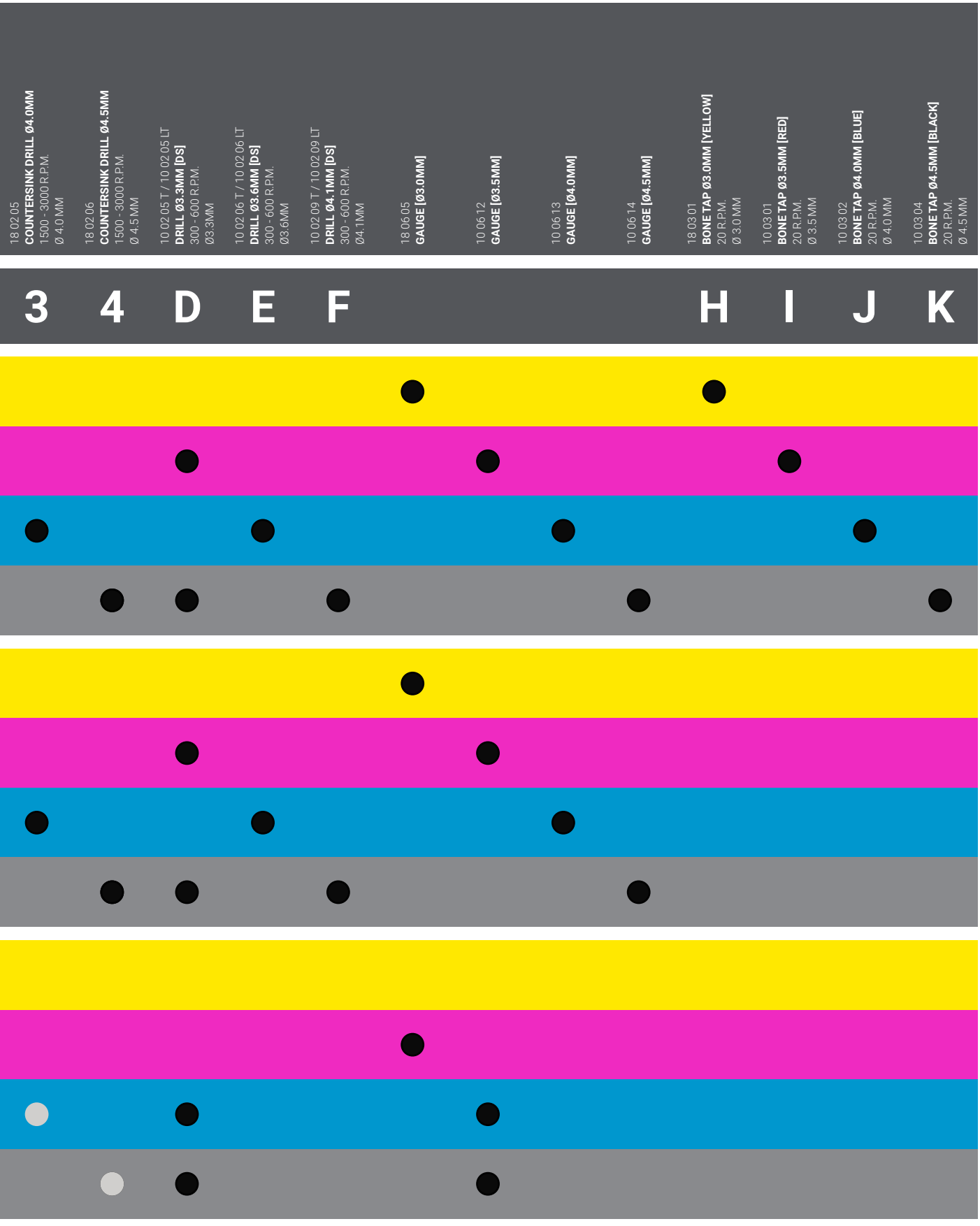
E **J**

VEGA®+

BY BONE TYPE

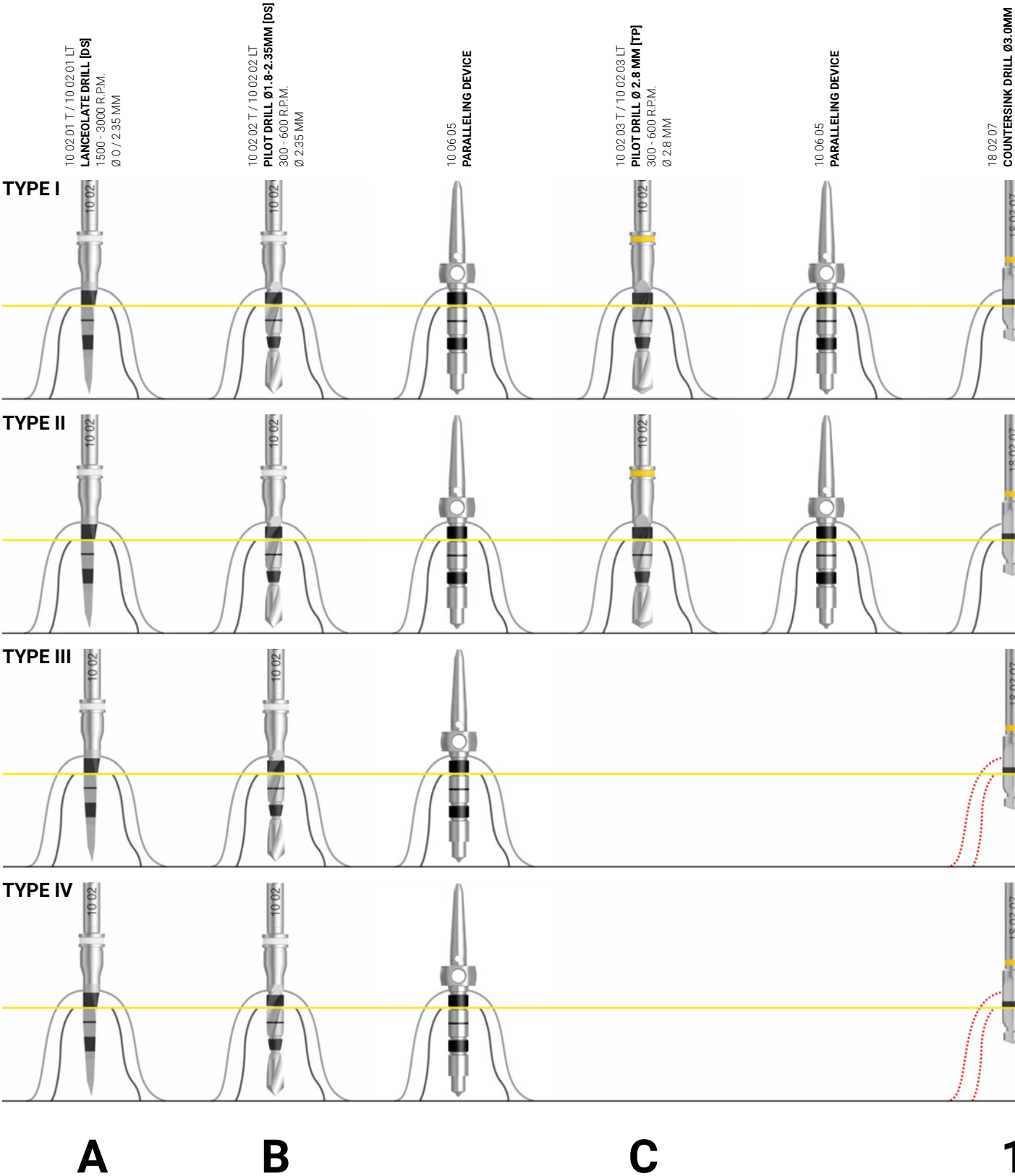


DO NOT EXCEED 70 Ncm WHEN PLACING VEGA®+ IMPLANTS.



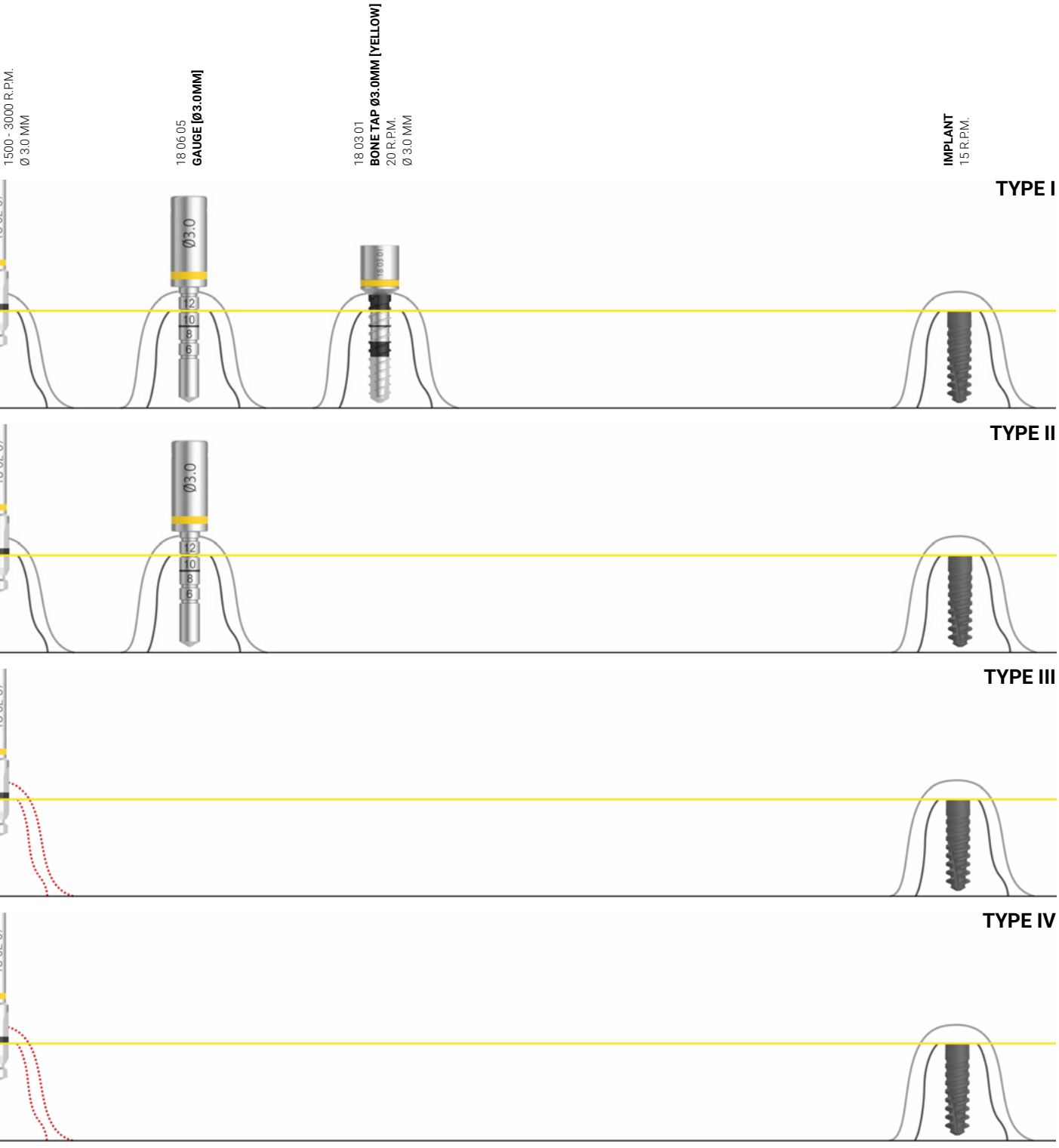
PASS DRILL IF CORTICAL THICKNESS >1 MM.

VEGA®+



DO NOT EXCEED 70 Ncm WHEN PLACING VEGA®+ IMPLANTS.
The above sequence shows the placement of 12 mm long implants.

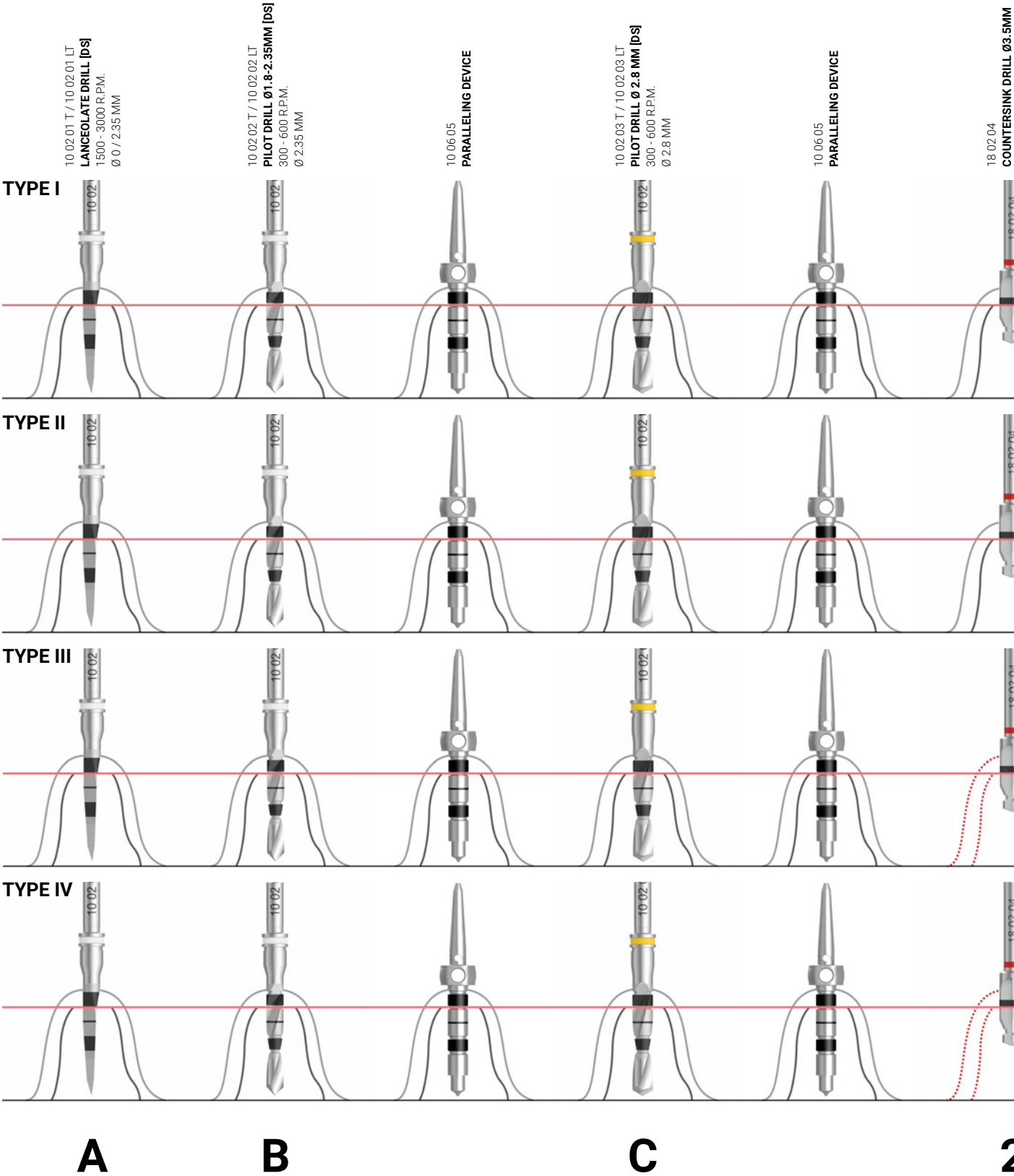
QUICK GUIDES Ø 3.1 MV



H

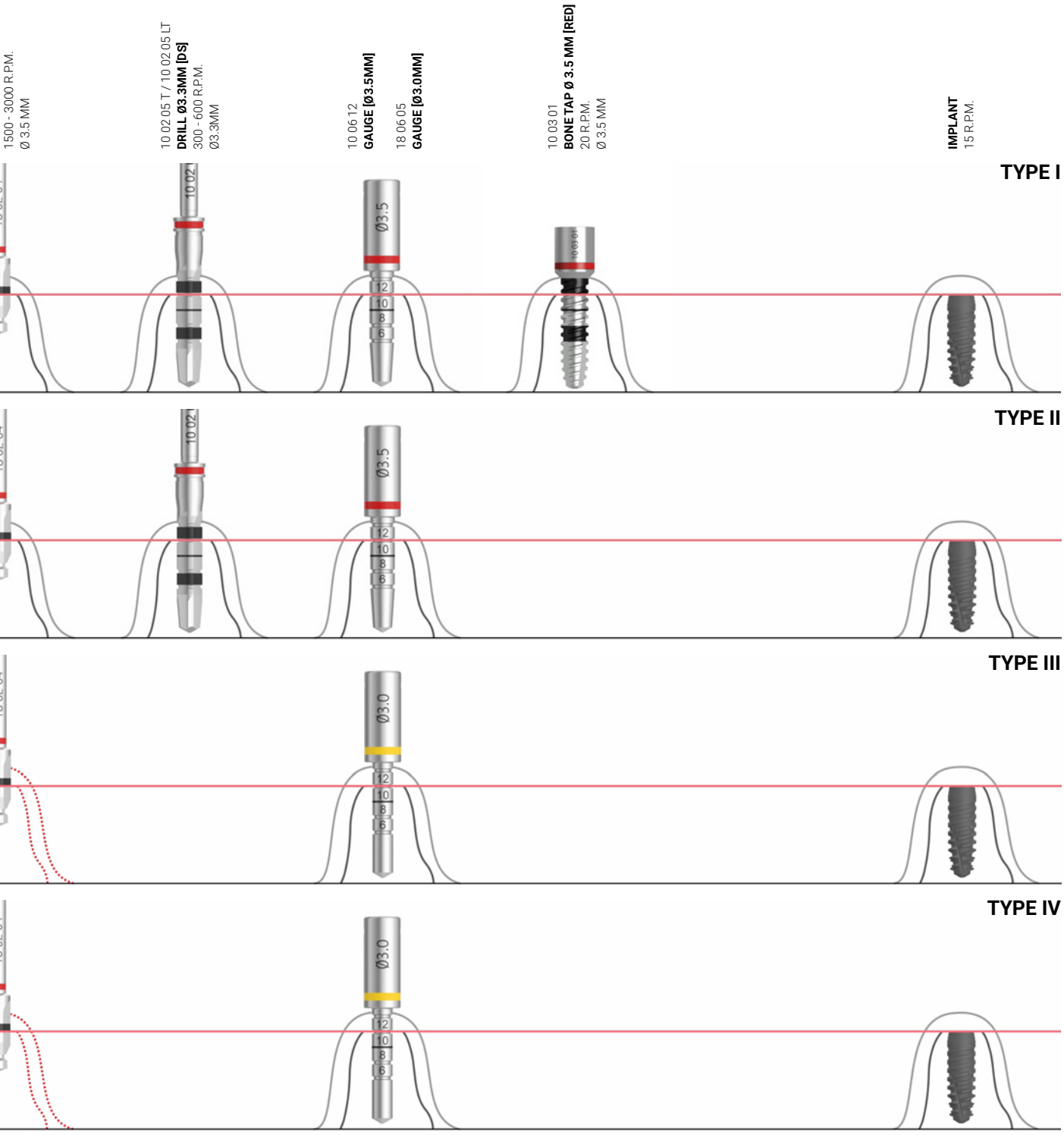
PASS DRILL IF CORTICAL THICKNESS >1 MM.

VEGA®+



DO NOT EXCEED 70 Ncm WHEN PLACING VEGA®+ IMPLANTS.
The above sequence shows the placement of 12 mm long implants.

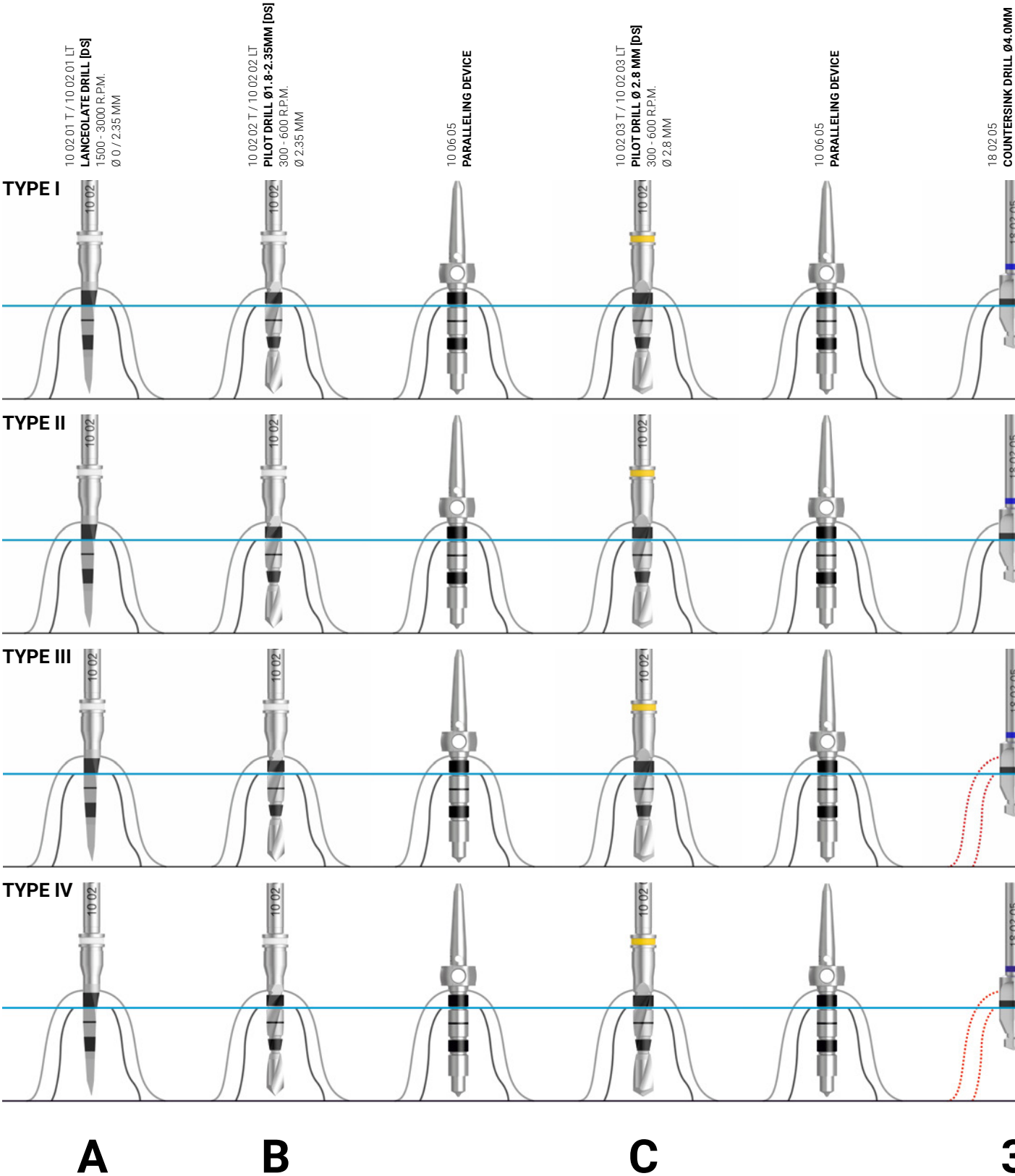
QUICK GUIDES Ø 3.6 NV



2 **D** **I**

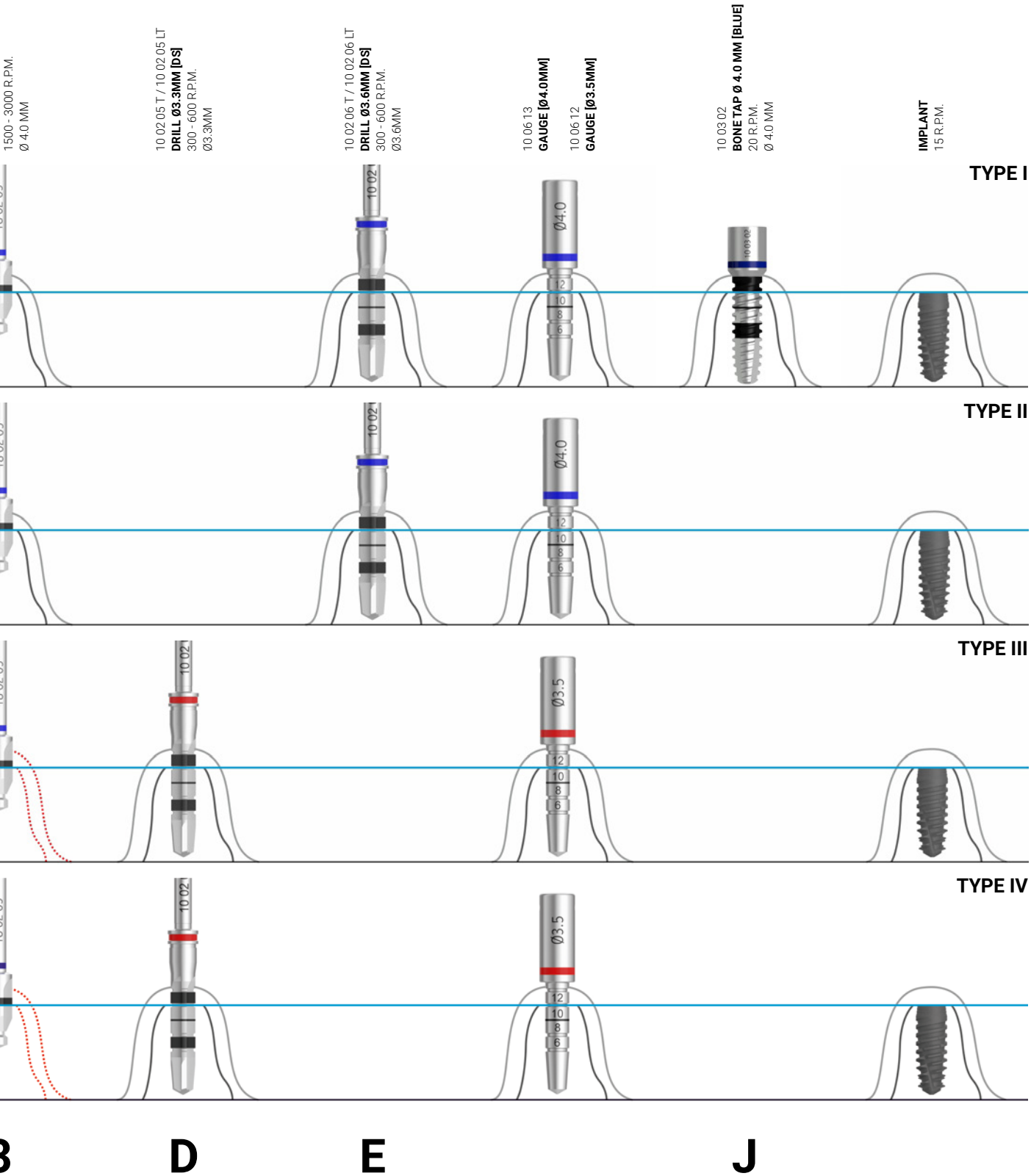
PASS DRILL IF CORTICAL THICKNESS >1 MM.

VEGA®+



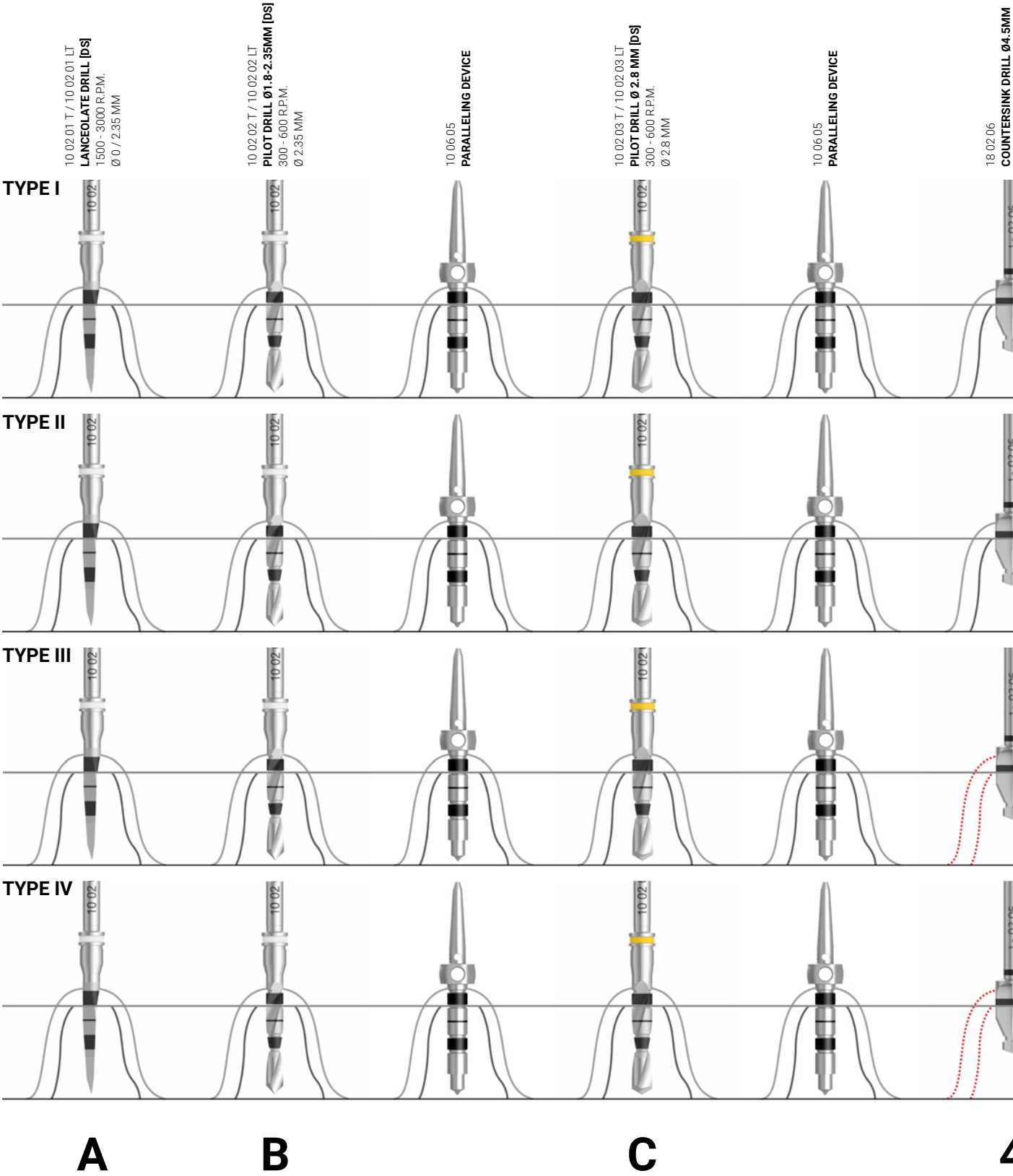
DO NOT EXCEED 70 Ncm WHEN PLACING VEGA®+ IMPLANTS.
The above sequence shows the placement of 12 mm long implants.

QUICK GUIDES Ø 4.1 RV



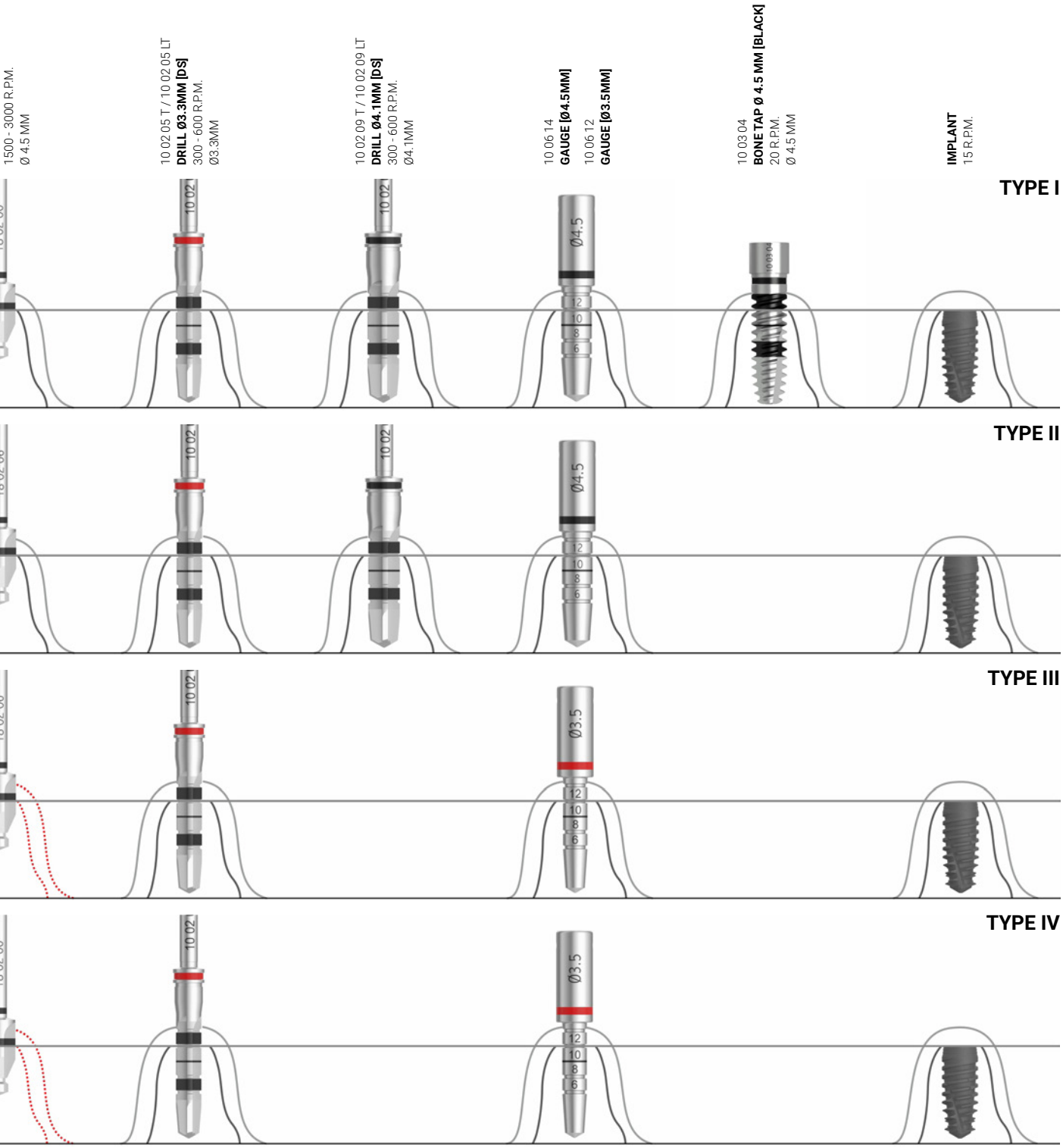
PASS DRILL IF CORTICAL THICKNESS >1 MM.

VEGA®+



DO NOT EXCEED 70 Ncm WHEN PLACING VEGA®+ IMPLANTS.
The above sequence shows the placement of 12 mm long implants.

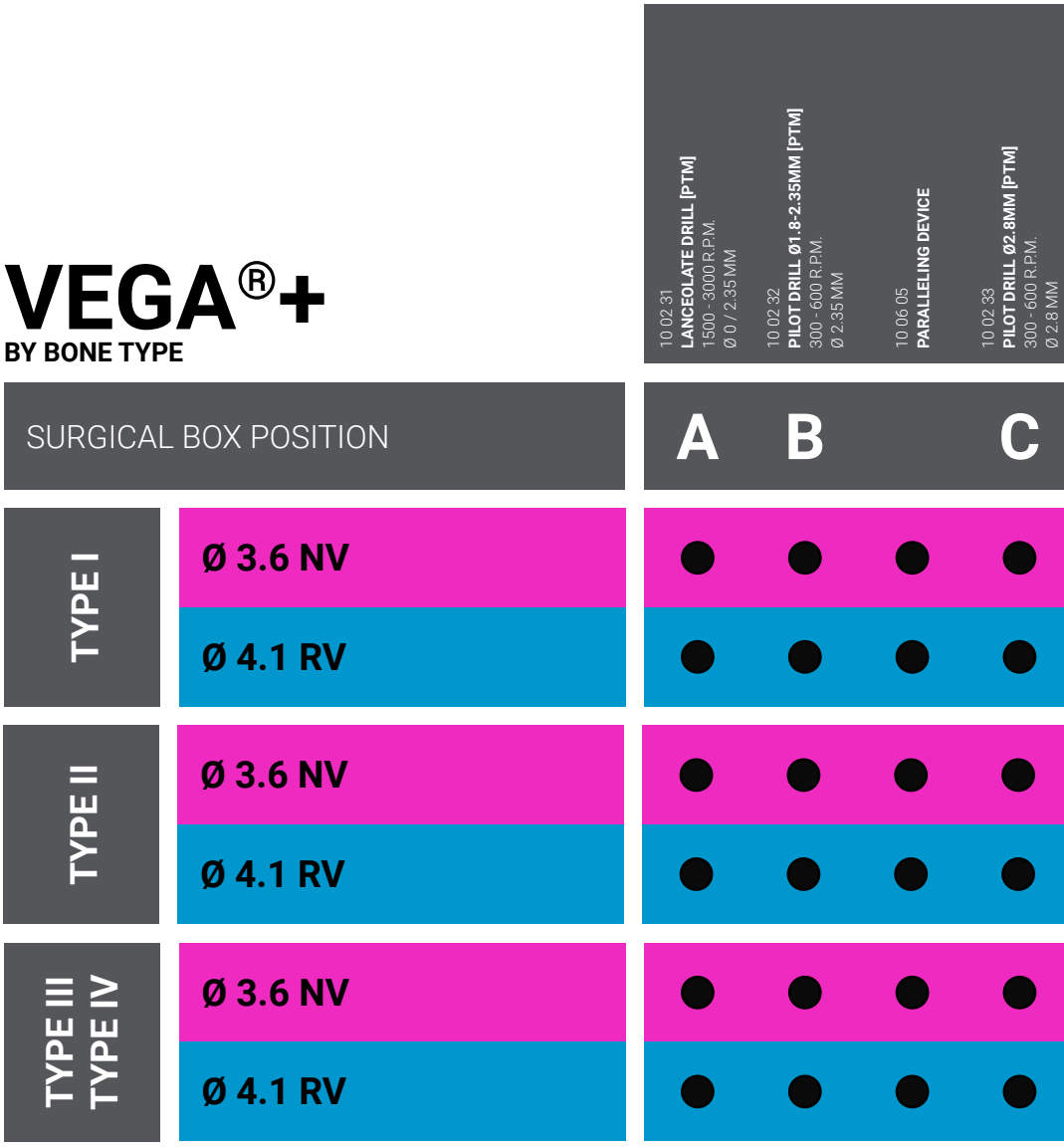
QUICK GUIDES Ø 4.6 RV



PASS DRILL IF CORTICAL THICKNESS >1 MM.

VEGA®+

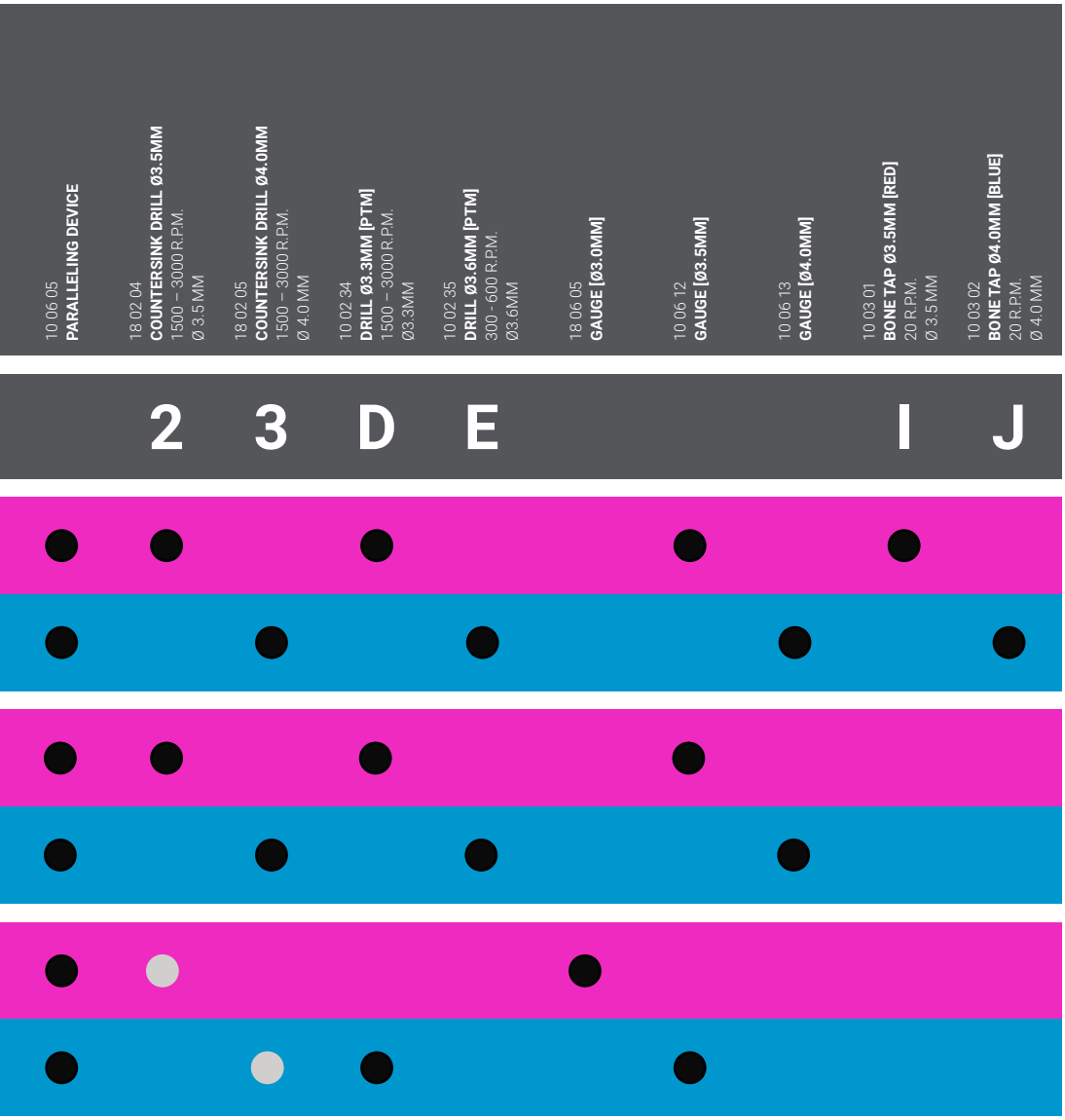
BY BONE TYPE



The sequence above shows the placement of 16 mm long implants.

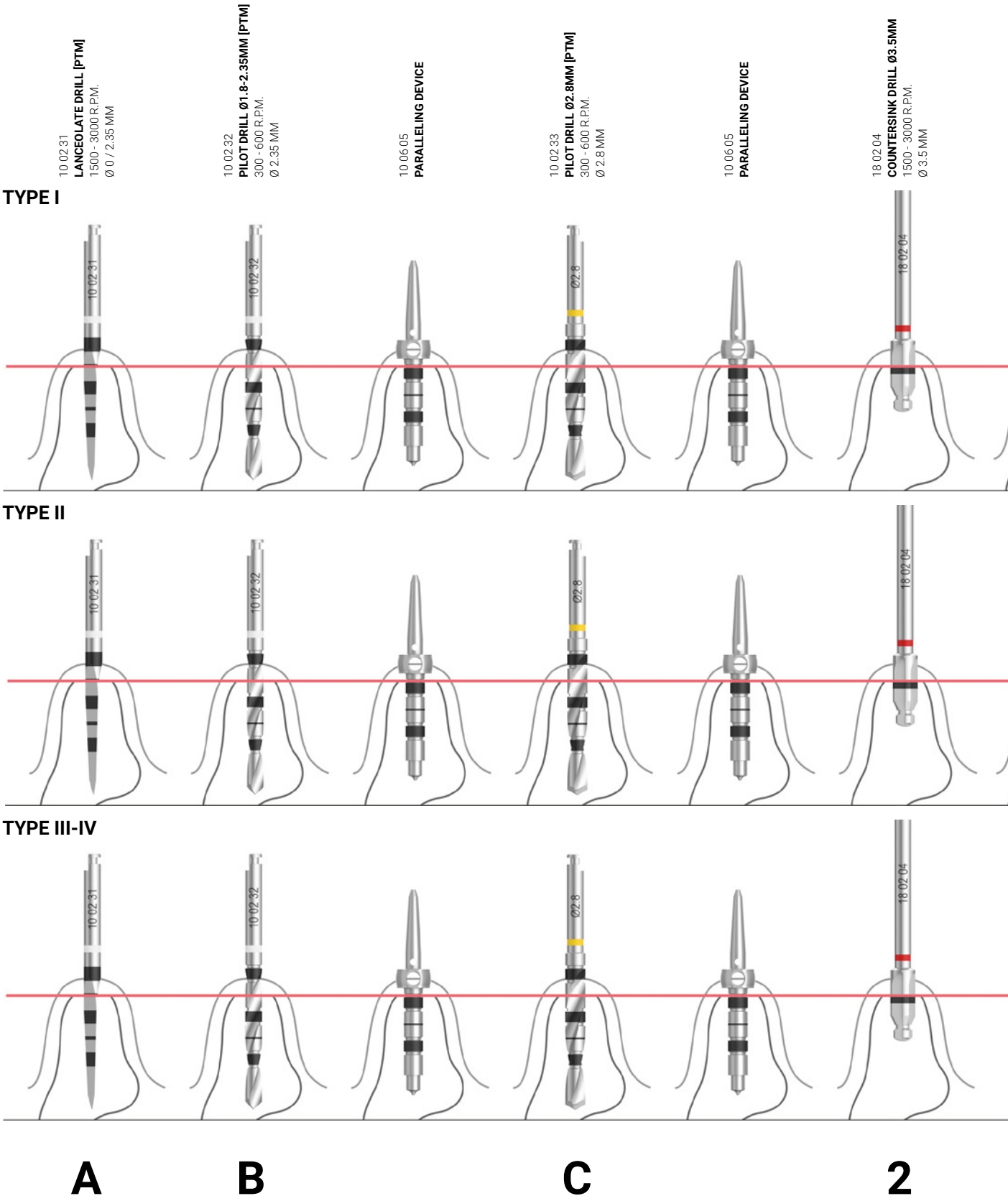
DO NOT EXCEED 70 Ncm WHEN PLACING VEGA®+ IMPLANTS.

QUICK GUIDES PTERYGOMAXILLARY



PASS DRILL IF CORTICAL THICKNESS >1 MM.

VEGA®+ PTERYGOMAXILLARY



The sequence above shows the placement of 16 mm long implants..

QUICK GUIDE Ø3.6 NV PTERYGOMAXILLARY

10 02 34
DRILL Ø3.3MM [PTM]
1500 - 3000 R.P.M.
Ø3.3MM

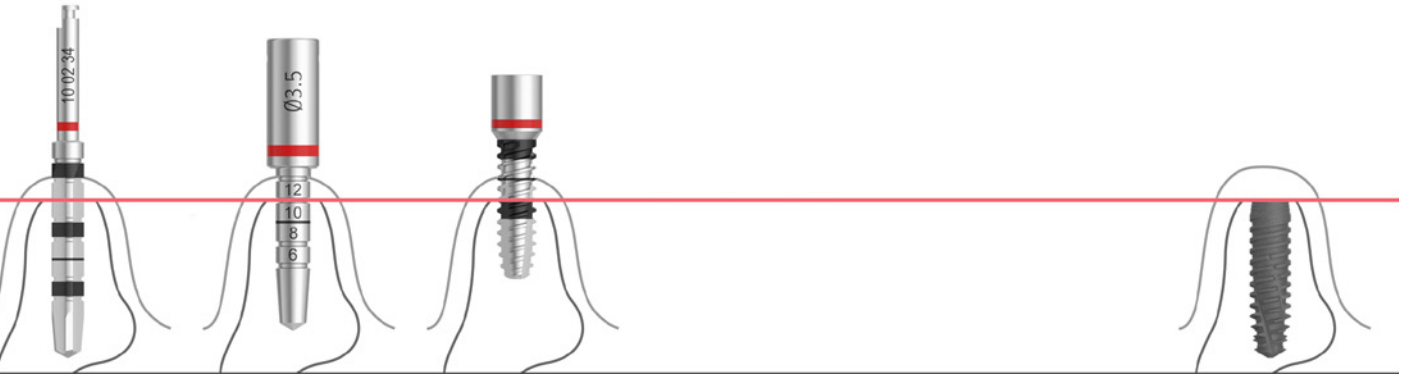
10 06 12
GAUGE [Ø3.5MM]

18 06 05
GAUGE [Ø3.0MM]

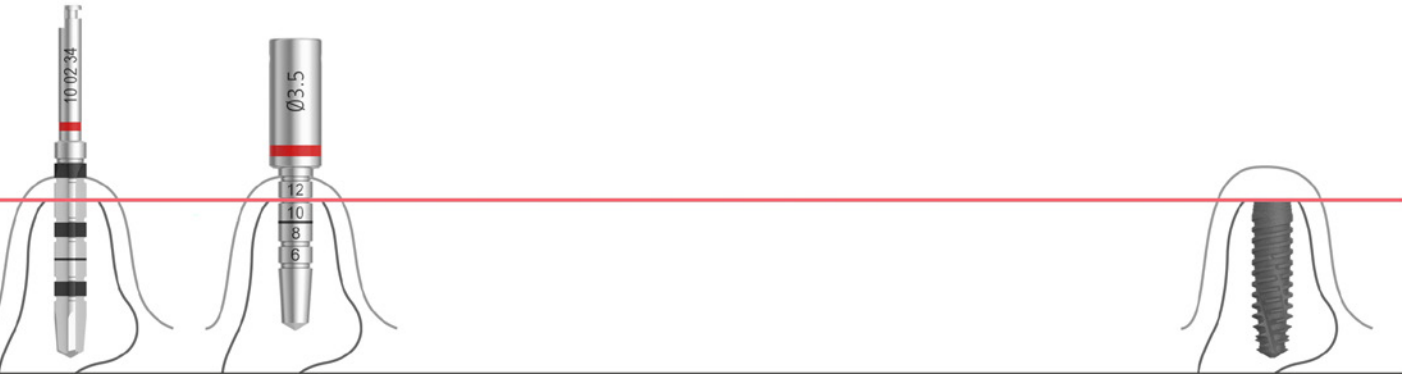
10 03 01
BONE TAP Ø3.5MM [RED]
20 R.P.M.
Ø 3.5 MM

IMPLANT
15 R.P.M.

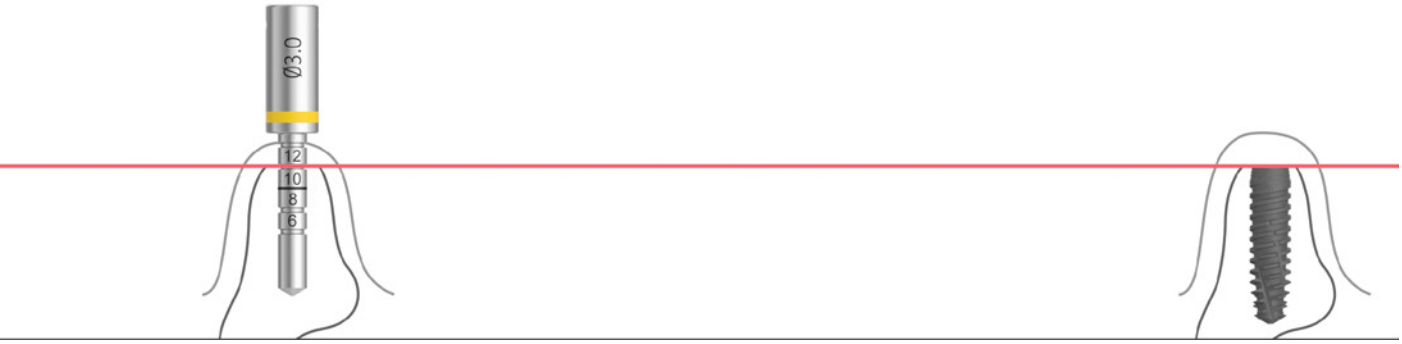
TYPE I



TYPE II



TYPE III-IV



D **I**

KLOCKNER®

VEGA®+ PTERYGOMAXILLARY

10 02 31
LANCEOLATE DRILL [PTM]
1500 - 3000 R.P.M.
Ø 0 / 2.35 MM

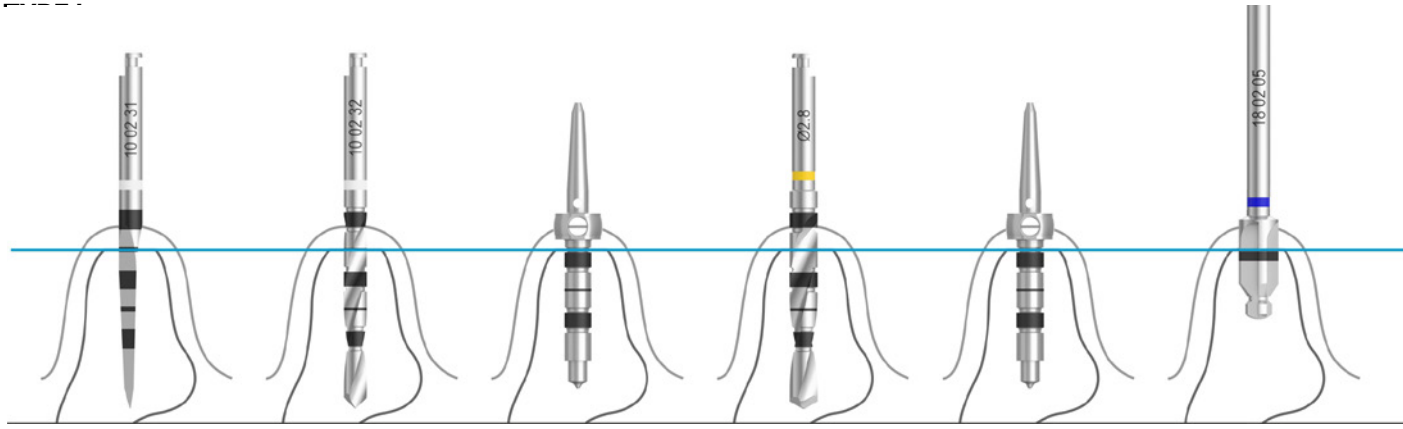
10 02 32
PILOT DRILL Ø1.8-2.35MM [PTM]
300 - 600 R.P.M.
Ø 2.35 MM

10 06 05
PARALLELING DEVICE

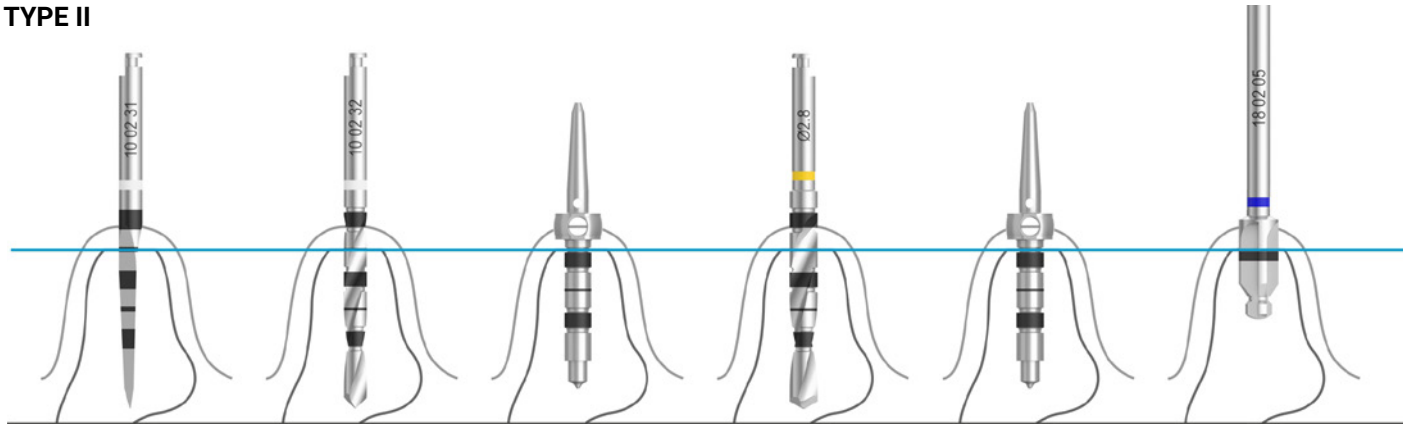
10 02 33
PILOT DRILL Ø2.8MM [PTM]
300 - 600 R.P.M.
Ø 2.8 MM

10 06 05
PARALLELING DEVICE

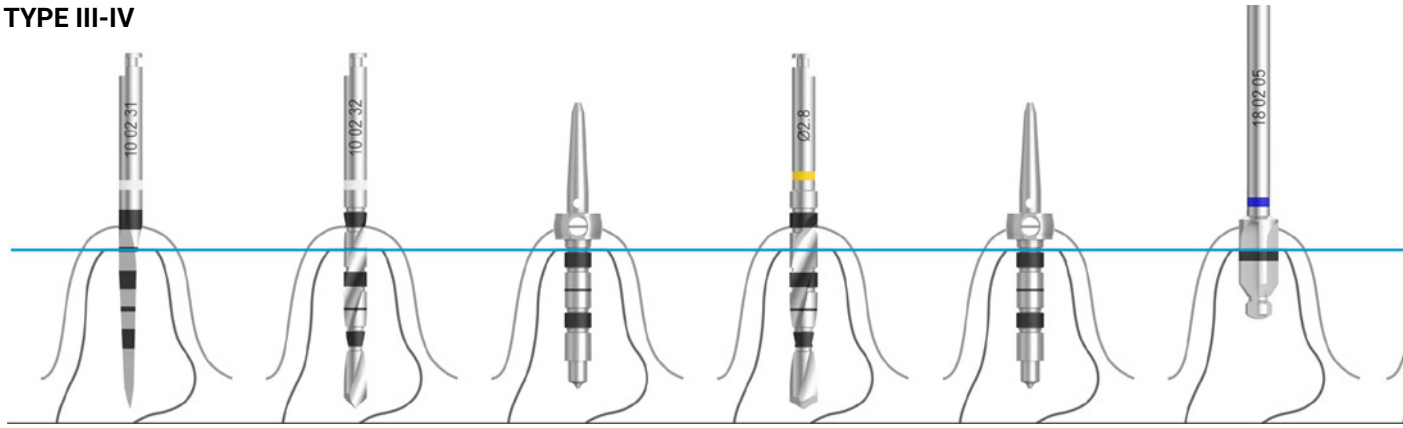
18 02 05
COUNTERSINK DRILL Ø4.0MM
1500 - 3000 R.P.M.
Ø 4.0 MM



TYPE II



TYPE III-IV



A **B** **C** **3**

The sequence above shows the placement of 16 mm long implants..

QUICK GUIDE Ø4.1 RV PTERYGOMAXILLARY

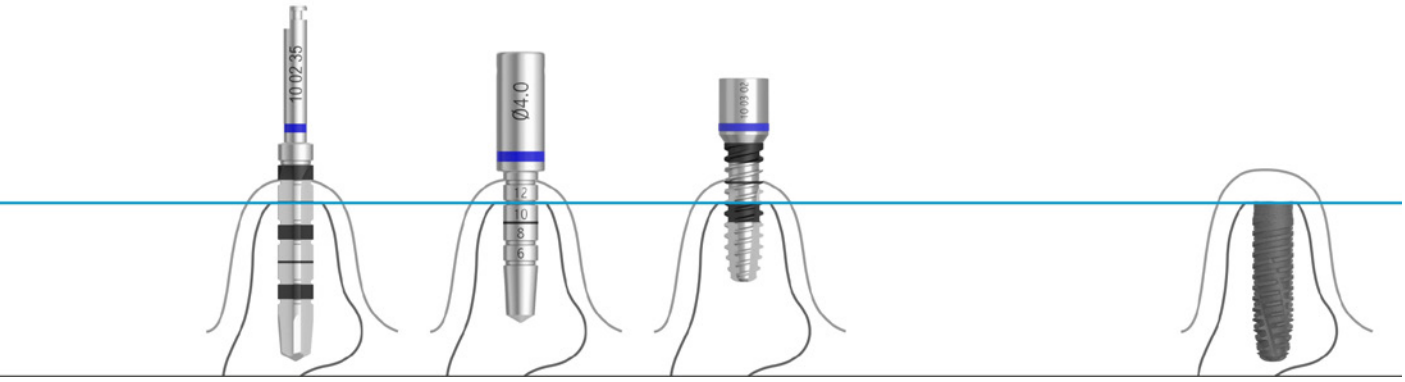
10 02 34
DRILL Ø3.3MM [PTM]
1500 - 3000 R.P.M.
Ø3.3MM

10 02 35
DRILL Ø3.6MM [PTM]
300 - 600 R.P.M.
Ø3.6MM

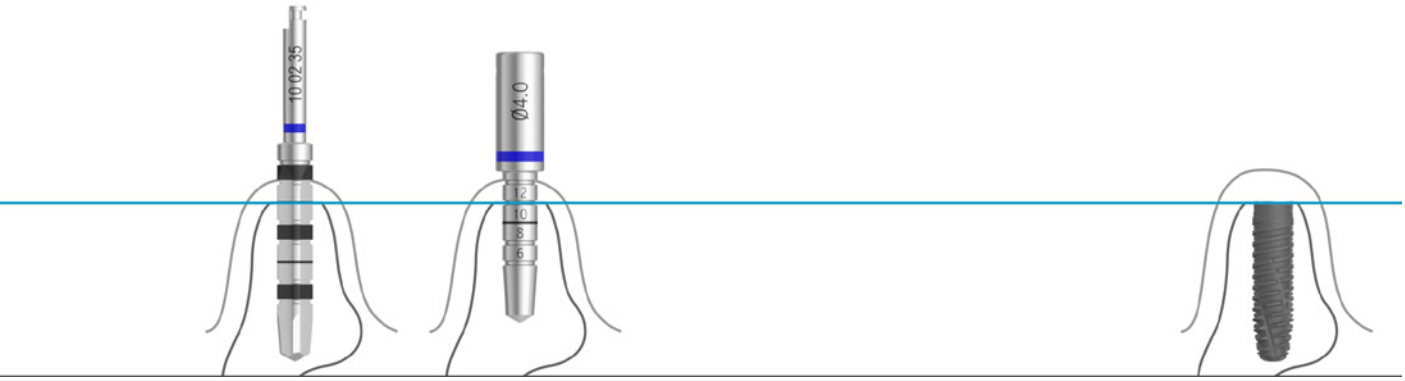
10 06 13
GAUGE [Ø4.0MM]
10 06 12
GAUGE [Ø3.5MM]

10 03 02
BONE TAP Ø4.0MM [BLUE]
20 R.P.M.
Ø 4.0 MM

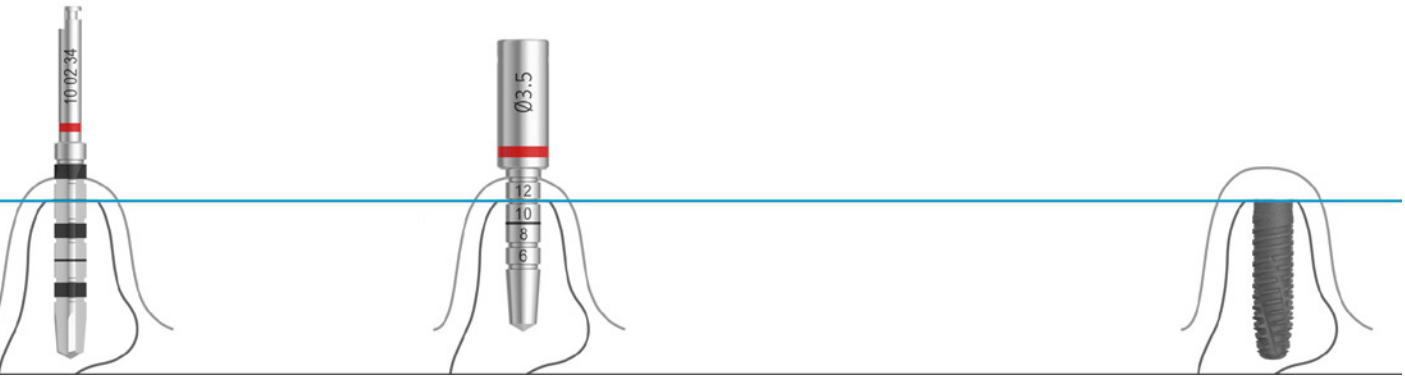
IMPLANT
15 R.P.M.



TYPE II



TYPE III-IV



D **E** **J**

KLOCKNER®

KLOCKNER®

SURGICAL DRILLS

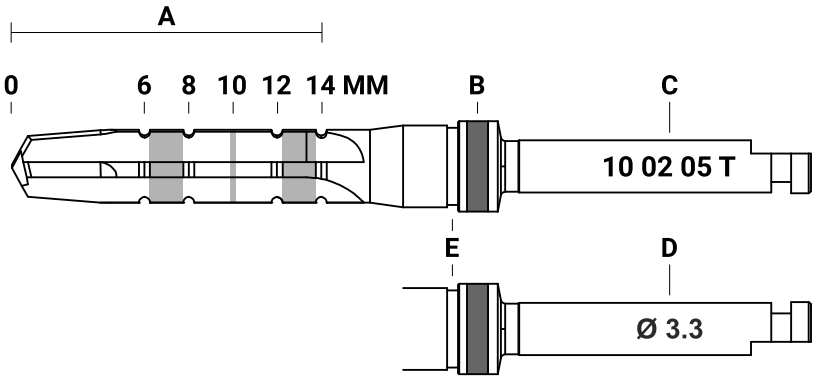
The KLOCKNER® IMPLANT SYSTEM surgical drills are instruments designed to shape the surgical bed prior to placing a dental implant.
Surgical drills provide drilling accuracy and optimal cutting, thus facilitating the success of the intended treatment. To speed up the use of surgical drills, there are depth marks, colour coding and identification laser markings for both reference and cutting diameter.
The cutting diameter is closely related to the implant to be placed, and therefore it is very important to follow the indications contained in the surgical protocol and to use the KLOCKNER® IMPLANT SYSTEM's own instruments.

CONDITIONS OF USE

Lanceolate and crestal drills must work at high revolutions (1500-3000 R.P.M.), whilst all other drills must work at 300-600 R.P.M.

Prior to implant placement, the drills can be used at low revolutions (50 R.P.M.).
To prevent overheating in the implant bed, it is advisable to use all the drills at alternating pressures whilst thoroughly irrigating the bed.

DRILLS MUST NOT BE 5 USED MORE THAN 5 TIMES.



A · DEPTH MARKS
B · COLOUR CODE
C · REFERENCE*
D · CUTTING DIAMETER
E · STOP TOPE

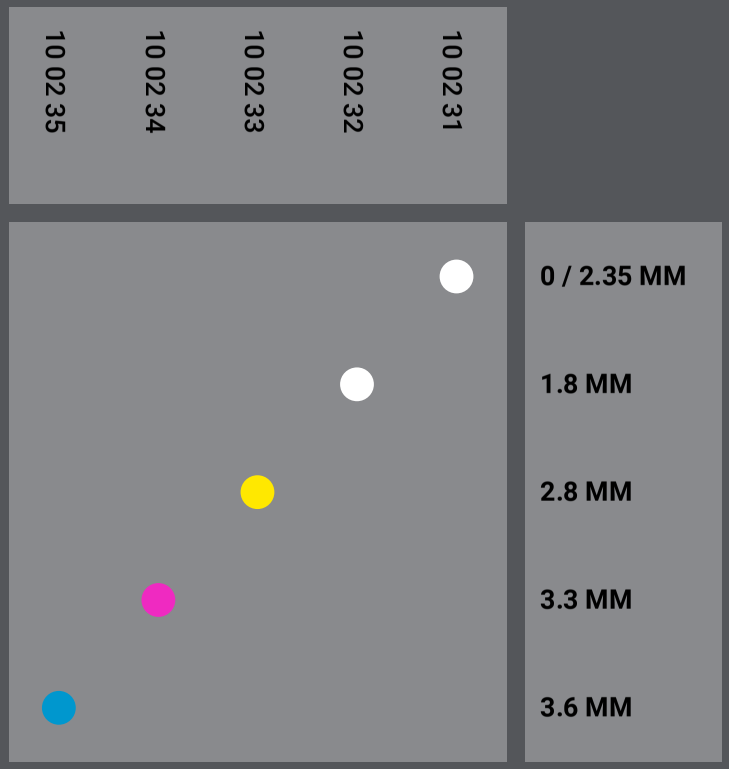
*REFERENCE IDENTIFICATION: L · LONG VERSION / T · COMPATIBLE WITH DRILL STOP

WARNINGS
Only KLOCKNER® IMPLANT SYSTEM surgical drills referenced with a "T" are compatible with KLOCKNER® IMPLANT SYSTEM stops.
Surgical drills that are suitable for safety stop do not have internal irrigation, therefore they must be used with external irrigation.
There are only depth markers for 6 to 14 mm dental implants.
Under no circumstances must the stop be removed from these drills and used to make perforations larger than 14 mm, as the drill is not prepared to perforate these longer lengths. The "drills with stop" system do not have crestal drills with stop; standard crestal drills are used for the drilling sequence.

KLOCKNER®

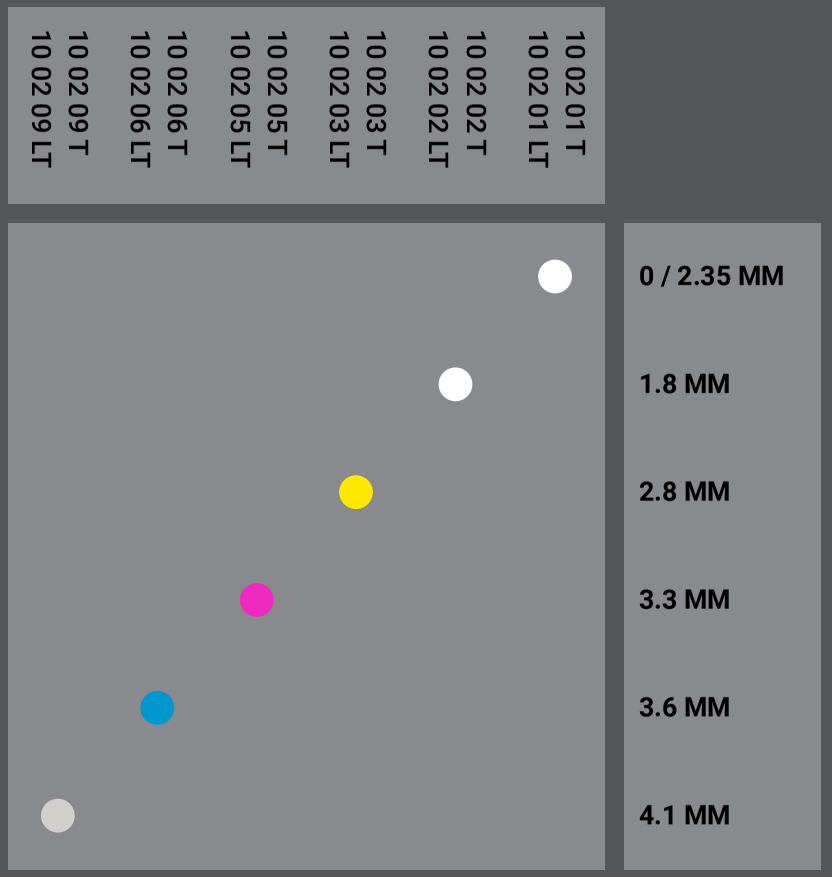
PTERYGOMAXILLARY CUTTING COMPATIBILITIES

Equivalency table of drills according to cutting diameter



CUTTING COMPATIBILITIES

Equivalency table of drills according to cutting diameter



CUTTING DRILLS

LANCEOLATE DRILLS
10 02 01 T LANCEOLATE DRILL [DS]

STARTUP DRILLS
10 02 02 T PILOT DRILL Ø1.8-2.35MM [DS]
10 02 03 T PILOT DRILL Ø 2.8 MM [DS]

STRAIGHT DRILLS
10 02 05 T DRILL Ø3.3MM [DS]
10 02 06 T DRILL Ø3.6MM [DS]
10 02 09 T DRILL Ø4.1MM [DS]

LONG DRILLS

LANCEOLATE DRILLS
10 02 01 LT LONG LANCEOLATE DRILL [DS]

STARTUP DRILLS
10 02 02 LT LONG PILOT DRILL Ø1.8-2.35MM [DS]
10 02 03 LT LONG PILOT DRILL Ø 2.8 MM [DS]

STRAIGHT DRILLS
10 02 05 LT LONG DRILL Ø3.3MM [DS]
10 02 06 LT LONG DRILL Ø3.6MM [DS]
10 02 09 LT LONG DRILL Ø4.1MM [DS]

DRILLS* FOR VEGA®
VEGA®+ PTERYGOMAXILLARY IMPLANTS

LANCEOLATE DRILLS
10 02 31 LANCEOLATE DRILL [PTM]

STARTUP DRILLS
10 02 32 PILOT DRILL Ø1.8-2.35MM [PTM]
10 02 33 PILOT DRILL Ø2.8MM [PTM]

STRAIGHT DRILLS
10 02 34 DRILL Ø3.3MM [PTM]
10 02 35 DRILL Ø3.6MM [PTM]

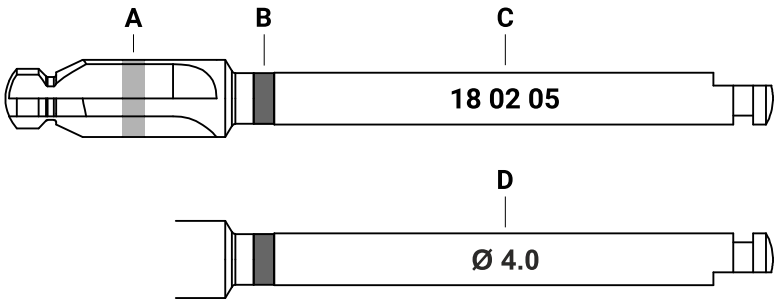
DRILL EXTENSION

10 06 09 DRILL EXTENSION

10 06 09

CRESTAL DRILLS

18 02 07 COUNTERSINK DRILL Ø3.0MM
18 02 04 COUNTERSINK DRILL Ø3.5MM
18 02 05 COUNTERSINK DRILL Ø4.0MM
18 02 06 COUNTERSINK DRILL Ø4.5MM



A · DEPTH MARKS
B · COLOUR CODE
C · REFERENCE
D · CUTTING DIAMETER

* Drills included in KIT 10 00 06

KLOCKNER®

DRILL STOPS

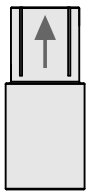
KLOCKNER® IMPLANT SYSTEM drill stops allow you to perform osteotomies faster and more accurately than with the visual control of laser marks.

The smaller design does not obstruct vision during surgery, and the physical "STOP" retention system offers total safety, as it guarantees immobilisation of the stop and prevents unwanted vibrations when drilling. They are made from Gr5 Titanium and can be reused after cleaning and sterilisation. The different stops are colour-coded to match the coding of the KLOCKNER® IMPLANT SYSTEM drills.
Refer to the drill identification table to see the different compatibilities with all KLOCKNER® IMPLANT SYSTEM drills. They are available in the following lengths: 6, 8, 10, 12 and 14 mm. Refer to the drill identification table for the drill stop diameters and lengths. Supplied as individual units and in sets. See the sets table for the different formats.

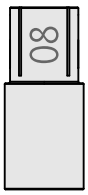
RECOMMENDATIONS

The drill stops are indicated for drilling to a previously established length. They offer total safety when drilling at length and may be necessary in those cases in which there is a risk of perforating anatomical structures, for example, the mental or cortical sinus nerve.

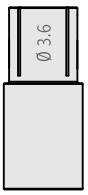
To guarantee the correct operation of the drill stops, it is advisable to check that the stop used is, in each case, the appropriate one in terms of length, verifying at which laser mark the drilling is stopped.



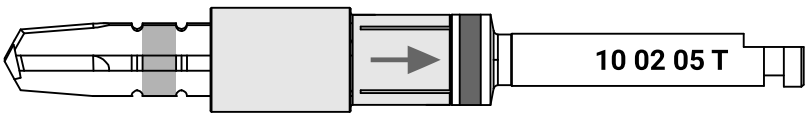
ARROW INDICATING DIRECTION OF ASSEMBLY



IMPLANT LENGTH INDICATOR



DRILL DIAMETER INDICATOR



WARNINGS

These drill stops are designed exclusively for use with the KLOCKNER® IMPLANT SYSTEM drills. KLOCKNER® IMPLANT SYSTEM supplies its instruments non-sterile. For this reason the material must be cleaned and sterilised before use during surgery. This procedure will be performed in cycles before all interventions.

Make sure that the stop is the appropriate one the drilling length. Follow the assembly and disassembly instructions provided to avoid the risk of cuts from the drill blade.


08

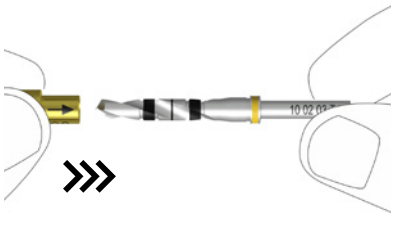

08

IDENTIFICATION / ASSEMBLY / DISASSEMBLY

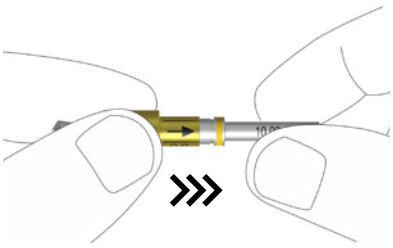
All drill stops can be used repeatedly, although it is up to the professional to decide how often they can be reused, based on the wear and state of conservation thereof. It is important to take particular care when handling the drill stops at the time of insertion, as misuse can result in damage to the stop and to the drill. Insert and remove the stops with care. The colour code of the drill stop visually and rapidly shows us the corresponding drill diameter. It is very important to ensure that the drill stops connect correctly with the receptor parts.

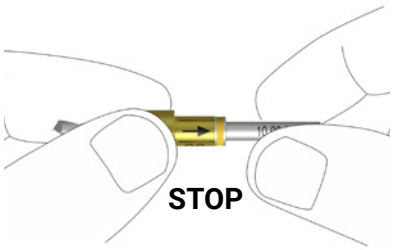
It is very easy to attach them to the drills. Simply select the appropriate stop, mount it in the direction of the arrow and slide it until it stops. It will be held in place by pressure, thanks to its clamp effect. To avoid possible confusion, you are advised to arrange all of the stops that may be used in the drilling sequence before starting. You can use the table to rapidly identify which stops must be used with which drills. Refer to drill and stops identification table to see the different compatibilities with all KLOCKNER® IMPLANT SYSTEM drills.

ASSEMBLY



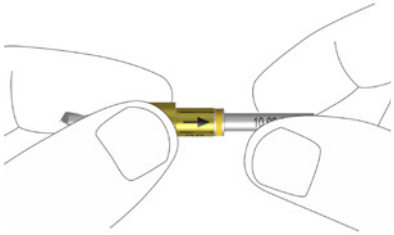
Insert the stop on the drill in the direction of the arrow.



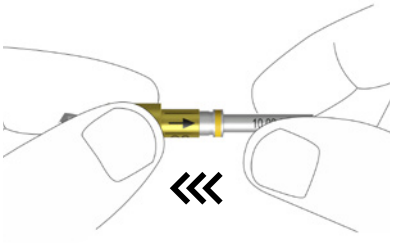


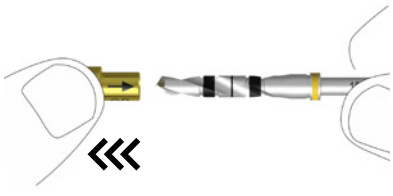
Slide the stop until it cannot go any further.

DISASSEMBLY*



Take hold of the stop to remove it from the drill.





Take care not to touch the cutting edge of the drill.

* It is advisable to immerse already-used and contaminated instruments in a detergent solution to prevent residues from becoming encrusted. For more information consult the MAINTENANCE · CLEANING AND STERILIZATION section.

DRILL · STOPS IDENTIFICATION TABLE

DRILL STOPS

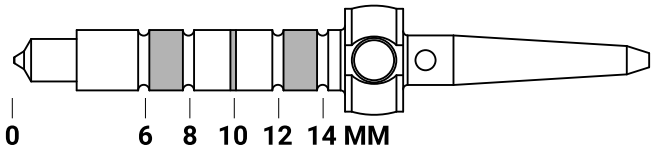
21 02 11 **DRILL STOP 06 MM DRILLS Ø3.6MM**	1500 / 3000
21 02 12 **DRILL STOP 08 MM DRILLS Ø3.6MM**	
21 02 13 **DRILL STOP 10 MM DRILLS Ø3.6MM**	
21 02 14 **DRILL STOP 12 MM DRILLS Ø3.6MM**	
21 02 15 **DRILL STOP 14 MM DRILLS Ø3.6MM**	
21 02 26 **DRILL STOP 06 MM DRILLS Ø3.3MM**	300 / 600
21 02 27 **DRILL STOP 08 MM DRILLS Ø3.3MM**	
21 02 28 **DRILL STOP 10 MM DRILLS Ø3.3MM**	
21 02 29 **DRILL STOP 12 MM DRILLS Ø3.3MM**	
21 02 30 **DRILL STOP 14 MM DRILLS Ø3.3MM**	
21 02 21 **DRILL STOP 06 MM DRILLS Ø4.1MM**	
21 02 22 **DRILL STOP 08 MM DRILLS Ø4.1MM**	
21 02 23 **DRILL STOP 10 MM DRILLS Ø4.1MM**	
21 02 24 **DRILL STOP 12 MM DRILLS Ø4.1MM**	
21 02 25 **DRILL STOP 14 MM DRILLS Ø4.1MM**	
R.P.M.	

PARALLELING DEVICE

Made of stainless steel.

10 06 05

10 06 05 PARALLELISER



KLOCKNER®

GAUGES

Made of stainless steel.

18 06 05	GAUGE [Ø3.0MM]
10 06 12	GAUGE [Ø3.5MM]
10 06 13	GAUGE [Ø4.0MM]
10 06 14	GAUGE [Ø4.5MM]

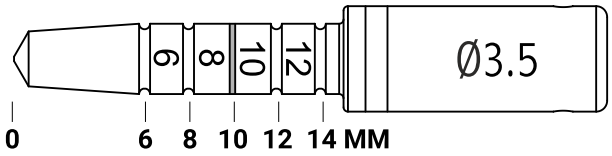
18 06 05

10 06 12

10 06 13

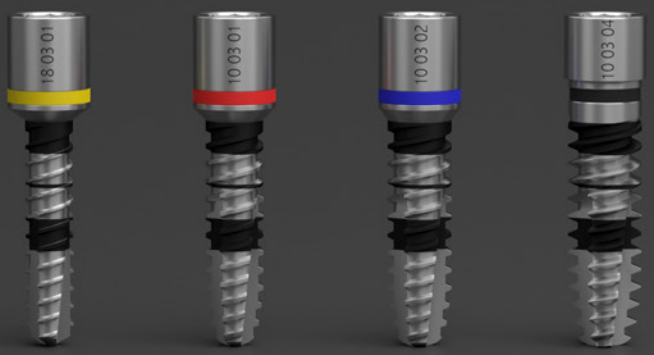
10 06 14

The depth marks make it possible to determine the thickness of the alveolar socket. In the gauges, the laser markings are located at 6, 8, 10, 12 and 14 mm. The colour ring on the gauge is related to the diameter of the implant.



WARNINGS

Secure the instruments with a traction thread in order to avoid accidental swallowing or aspiration of this material. Non-compliance with the maintenance and cleaning recommendations may cause a premature deterioration of the instrument. Failure to secure the instruments in the mouth can lead to loosening in the oral cavity and accidental swallowing or aspiration of same. The gauges are instruments that give an idea of the depth and are not measuring instruments.



KLOCKNER®

BONE TAPS

Made of stainless steel.

18 03 01	BONE TAP Ø 3.0 MM [YELLOW]
10 03 01	BONE TAP Ø 3.5 MM [RED]
10 03 02	BONE TAP Ø 4.0 MM [BLUE]
10 03 04	BONE TAP Ø 4.5 MM [BLACK]

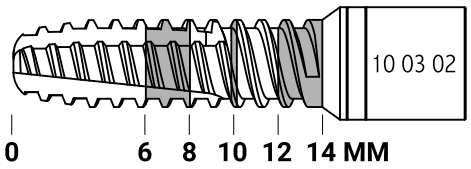
18 03 01

10 03 01

10 03 02

10 03 04

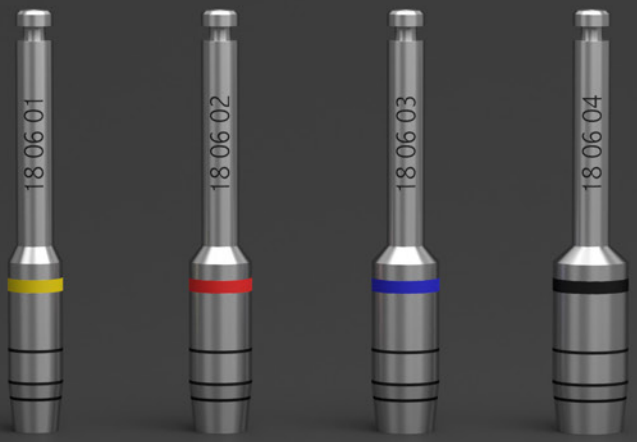
The depth marks make it possible to determine the thickness of the alveolar socket. In the Bone Taps the laser markings are located at 6, 8, 10, 12 and 14 mm. The colour ring on the Bone Tap is related to the diameter of the implant.



WARNINGS

Failure to secure the instruments in the mouth can lead to loosening in the oral cavity and accidental swallowing or aspiration of same. Loss of the identifying colours of the Bone Taps may result in errors in their sequence of use. Failure to follow the recommendations of the surgical sequence can cause difficulties in the insertion of the initiator, causing excessive compression in the implant bed.

Do not start the threading manoeuvre before checking that the adapter fits the initiator correctly. Failure to follow the recommendations of the surgical sequence can cause difficulties in the insertion of the initiator, causing excessive compression in the implant bed. Bear in mind that the ratchet wrench does not have any specific calibration and may generate excess force that can damage the instruments and cause excessive alveolar compression, resulting in bone necrosis and subsequent loss of attachment. If there is high bone resistance during insertion of the initiator, the direction of the ratchet wrench should be reversed, screwing the initiator counter-clockwise [OUT] approximately two turns. Then change the direction of the wrench to clockwise [IN] and continue threading. This releases the stress in the bone and facilitates threading work. Repeat this step as many times as necessary.



KLOCKNER®

TISSUE PUNCHES

Made of stainless steel.

18 06 01	TISSUE PUNCH Ø2.8MM [VEGA® MV]
18 06 02	TISSUE PUNCH Ø3.3MM [VEGA® NV]
18 06 03	TISSUE PUNCH Ø3.6MM [VEGA® RV]
18 06 04	TISSUE PUNCH Ø4.1MM [VEGA® RV]

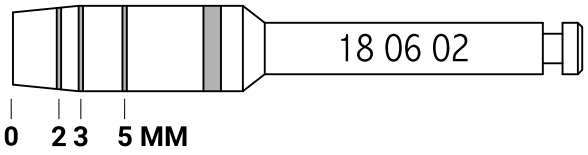
18 06 01

18 06 02

18 06 03

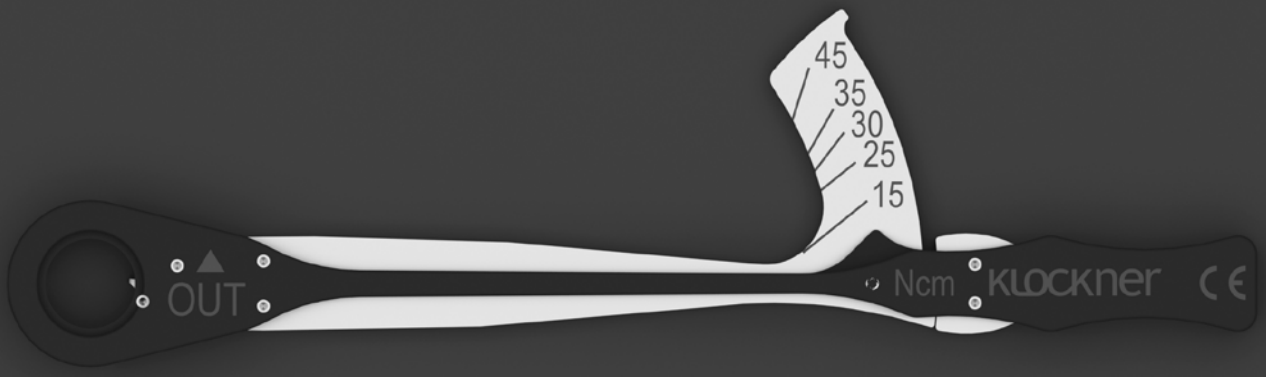
18 06 04

The depth marks make it possible to determine which healing cap to use. On the tissue punches the laser markings are located at 2, 3 and 5 mm. The colour ring on the tissue punch is related to the diameter of the implant.



WARNINGS

Check that the cutting edge is serviceable and in perfect working condition for use. Before its use, check that the hand piece fixes to the circular tissue punch perfectly and turns properly. It is important to maintain a good irrigation in the cutting angle. Eccentricity of any rotary cutting item may cause tearing. Failure to secure the instruments in the mouth can lead to loosening in the oral cavity and accidental swallowing or aspiration of same. To protect the cutting edge, contact with the hard tissue must be avoided.



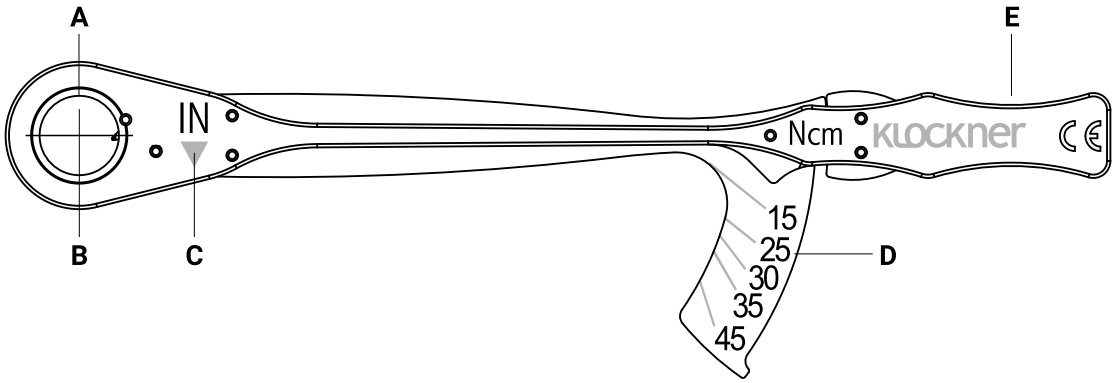
JDTWKL JDTORQUE® TORQUE WRENCH

Marks indicated at 15/25/30/35/45 Ncm

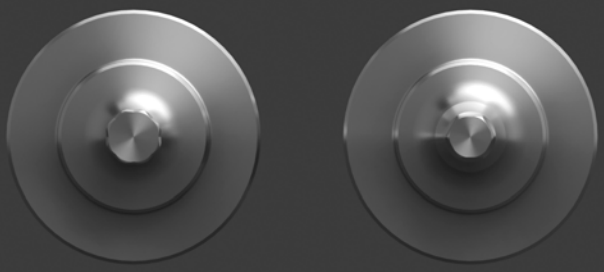
TORQUE WRENCH

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



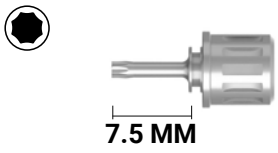
SCREWDRIVERS

TORQUE WRENCH
Made of stainless steel.

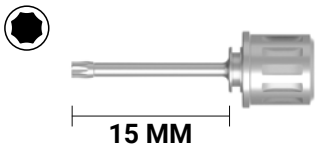
10 08 11 EC-VEGA® STAR SCREWDRIVER FOR TORQUE WRENCH
10 08 11 L EC-VEGA® LONG STAR SCREWDRIVER FOR TORQUE WRENCH
10 08 14 EC-VEGA® EXTRA LONG STAR SCREWDRIVER FOR TORQUE WRENCH

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

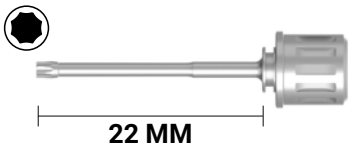
10 08 11



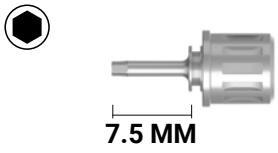
10 08 11 L



10 08 14



50 08 05



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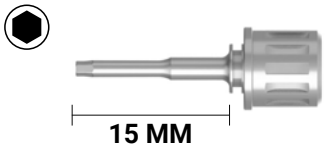

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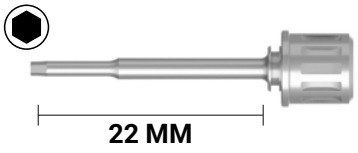
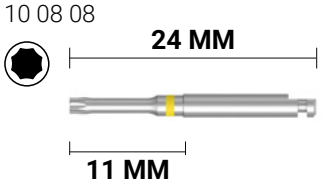


SCREWDRIVERS

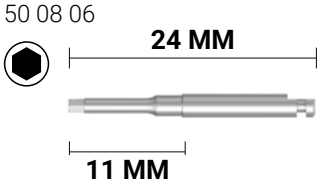
CONTRA-ANGLE
Made of stainless steel.

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

10 08 08



50 08 06



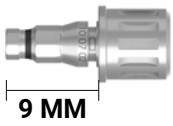
KLOCKNER®

ADAPTERS

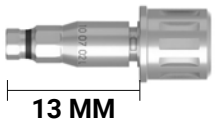
TORQUE WRENCH
Made of stainless steel.

10 07 02 EC-VEGA® RATCHET WRENCH
10 07 02 L EC-VEGA® LONG RATCHET WRENCH
10 07 02 XL EC-VEGA® EXTRA LONG RATCHET WRENCH

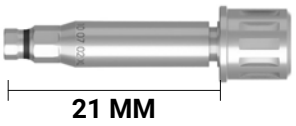
10 07 02



10 07 02 L



10 07 02 XL

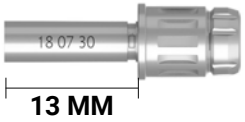


PERMANENT® ADAPTERS

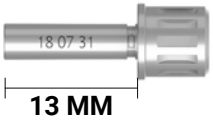
TORQUE WRENCH
Used with the PERMANENT® abutments to perform immediate load. Made of stainless steel.

18 07 30 VEGA® PERMANENT® ABUTMENT WRENCH [M]
18 07 31 VEGA® PERMANENT® ABUTMENT WRENCH [U]

18 07 30



18 07 31

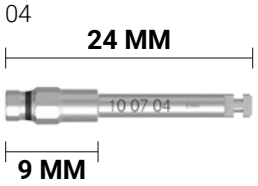


ADAPTERS

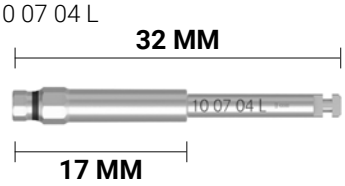
CONTRA-ANGLE
Made of stainless steel.

10 07 04 EC CONTRA-ANGLE WRENCH
10 07 04 L EC LONG CONTRA-ANGLED WRENCH

10 07 04



10 07 04 L



KLOCKNER®

ADAPTERS FOR IMPLANTS
VEGA® · VEGA®+

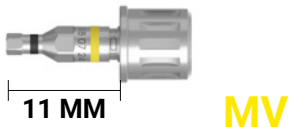
Made of stainless steel.

18 07 24 VEGA® MV SHORT WRENCH FOR TORQUE WRENCH
18 07 25 VEGA® MV LONG WRENCH FOR TORQUE WRENCH
18 07 26 VEGA® MV EXTRA LONG WRENCH FOR TORQUE WRENCH

18 07 04 VEGA® NV SHORT WRENCH FOR TORQUE WRENCH
18 07 05 VEGA® NV LONG WRENCH FOR TORQUE WRENCH
18 07 06 VEGA® NV EXTRA LONG WRENCH FOR TORQUE WRENCH

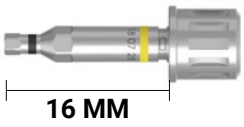
18 07 14 VEGA® RV SHORT WRENCH FOR TORQUE WRENCH
18 07 15 VEGA® RV LONG WRENCH FOR TORQUE WRENCH
18 07 16 VEGA® RV EXTRA LONG WRENCH FOR TORQUE WRENCH

18 07 24



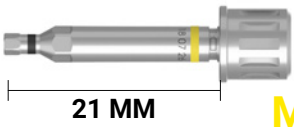
MV

18 07 25



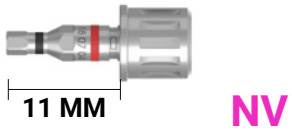
MV

18 07 26



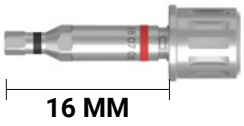
MV

18 07 04



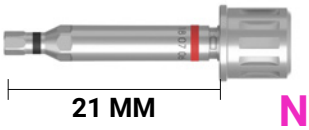
NV

18 07 05



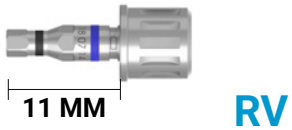
NV

18 07 06



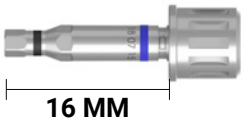
NV

18 07 14



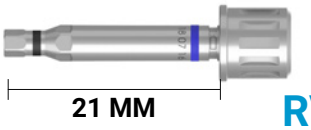
RV

18 07 15



RV

18 07 16



RV


18.07.21
18.07.22
18.07.23
18.07.01
18.07.02
18.07.03
18.07.11
18.07.12
18.07.13

KLOCKNER®

WRENCHES FOR VEGA® · VEGA®+ IMPLANTS

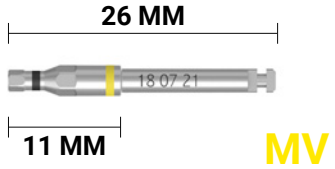
Made of stainless steel.

18 07 21 VEGA® MV SHORT WRENCH CONTRA-ANGLE
18 07 22 VEGA® MV LONG WRENCH CONTRA-ANGLE
18 07 23 VEGA® MV EXTRA LONG WRENCH CONTRA-ANGLE

18 07 01 VEGA® NV SHORT WRENCH CONTRA-ANGLE
18 07 02 VEGA® NV LONG WRENCH CONTRA-ANGLE
18 07 03 VEGA® NV EXTRA LONG WRENCH CONTRA-ANGLE

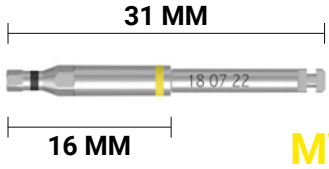
18 07 11 VEGA® RV SHORT WRENCH CONTRA-ANGLE
18 07 12 VEGA® RV LONG WRENCH CONTRA-ANGLE
18 07 13 VEGA® RV EXTRA LONG WRENCH CONTRA-ANGLE

18 07 21



MV

18 07 22



MV

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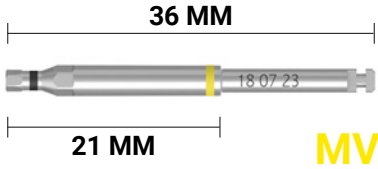
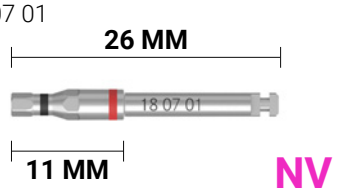


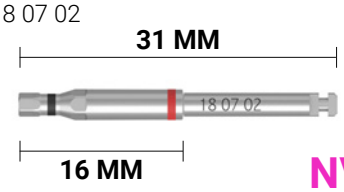
MV

18 07 01



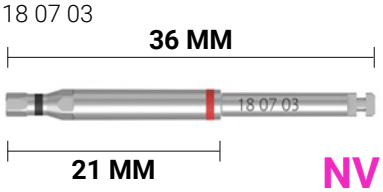
NV

18 07 02



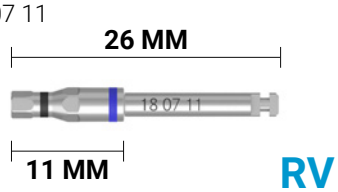
NV

18 07 03



NV

18 07 11



RV

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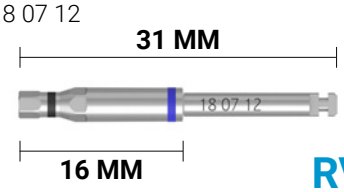
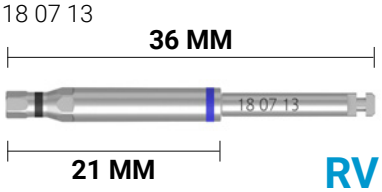
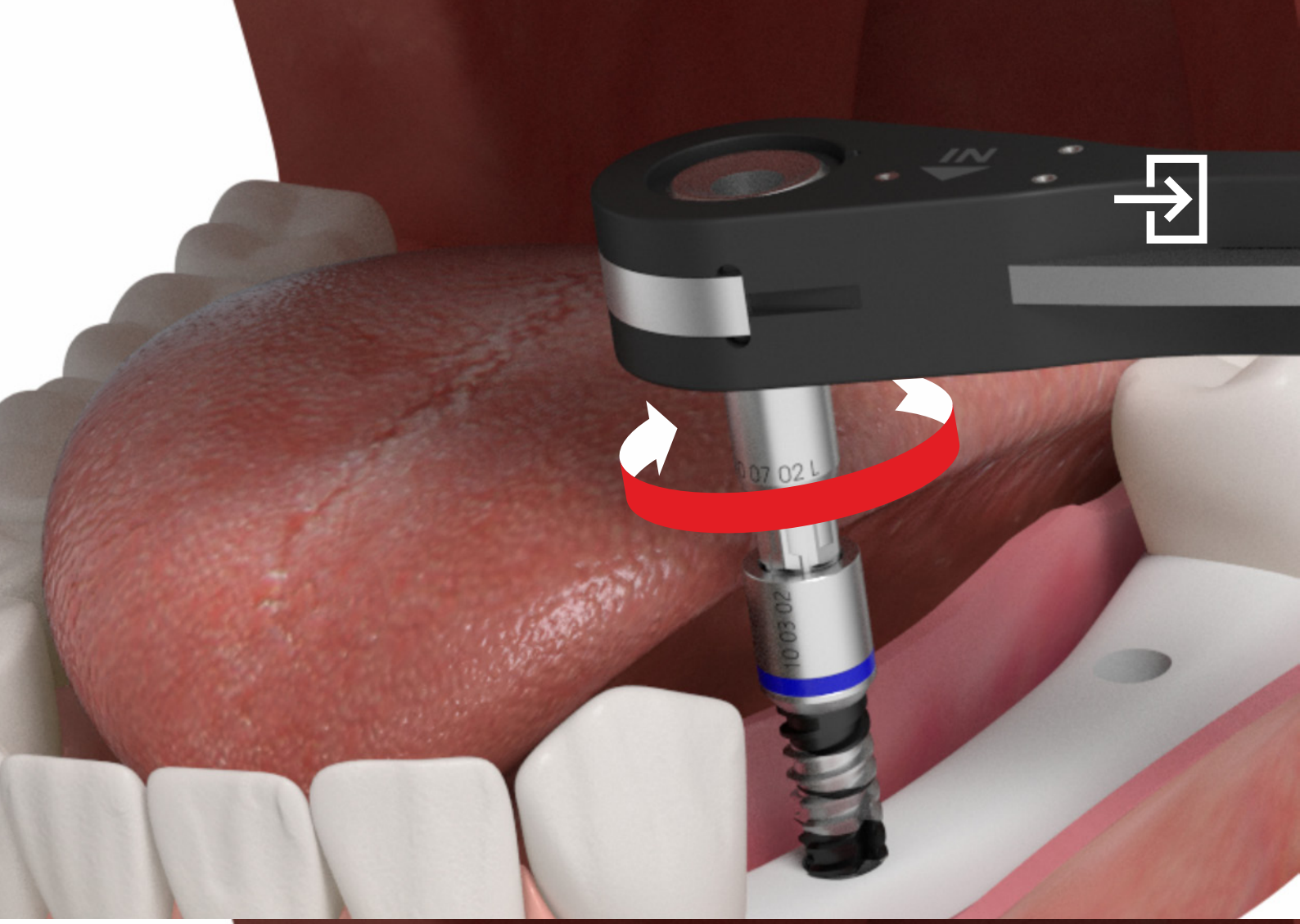


RV

18 07 13



RV


IN


OUT

INSERTION OF INITIATORS WITH TORQUE WRENCH

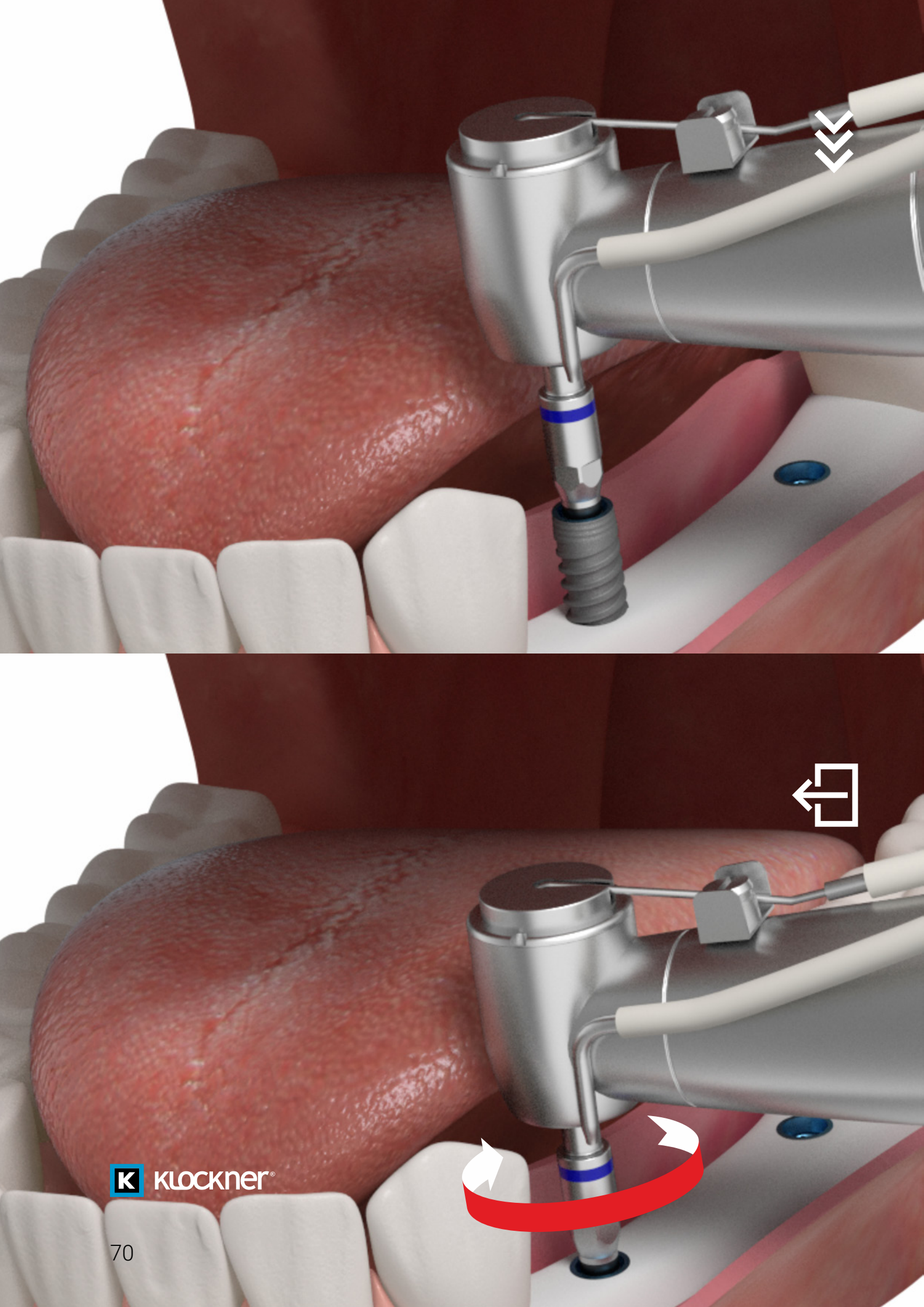
Place the initiator in the adaptor, and start the threading process with the torque wrench [IN] performing slow turns.

Once the required depth has been reached with the initiator, disengage the torque wrench from the adaptor, changing its direction [OUT] to proceed with its removal.

WRENCH AND ADAPTERS

JDTWKL	JDTORQUE® TORQUE WRENCH
10 07 02	EC-VEGA® RATCHET WRENCH
10 07 02 L	EC-VEGA® LONG RATCHET WRENCH
10 07 02 XL	EC-VEGA® EXTRA LONG RATCHET WRENCH

WARNINGS
Do not start the threading manoeuvre before checking that the adapter fits the initiator correctly.
Non-compliance with surgical sequence recommendations may cause difficulties whilst inserting the initiator, causing excessive compression in the implant bed that results in bone necrosis and, subsequently, the loss of the fixation. If there is high bone resistance during insertion of the initiator, the direction of the torque wrench should be changed to counter-clockwise [out], unscrewing the initiator approximately 2 times. Then change the direction of the wrench to clockwise [in] and continue threading. This releases the stress in the bone and facilitates threading work. Repeat this step as many times as necessary.



INSERTION OF IMPLANT WITH MOTOR-DRIVEN WRENCH

Place the implant in the surgical bed and start the threading process with the EC CONTRA-ANGLE WRENCH.

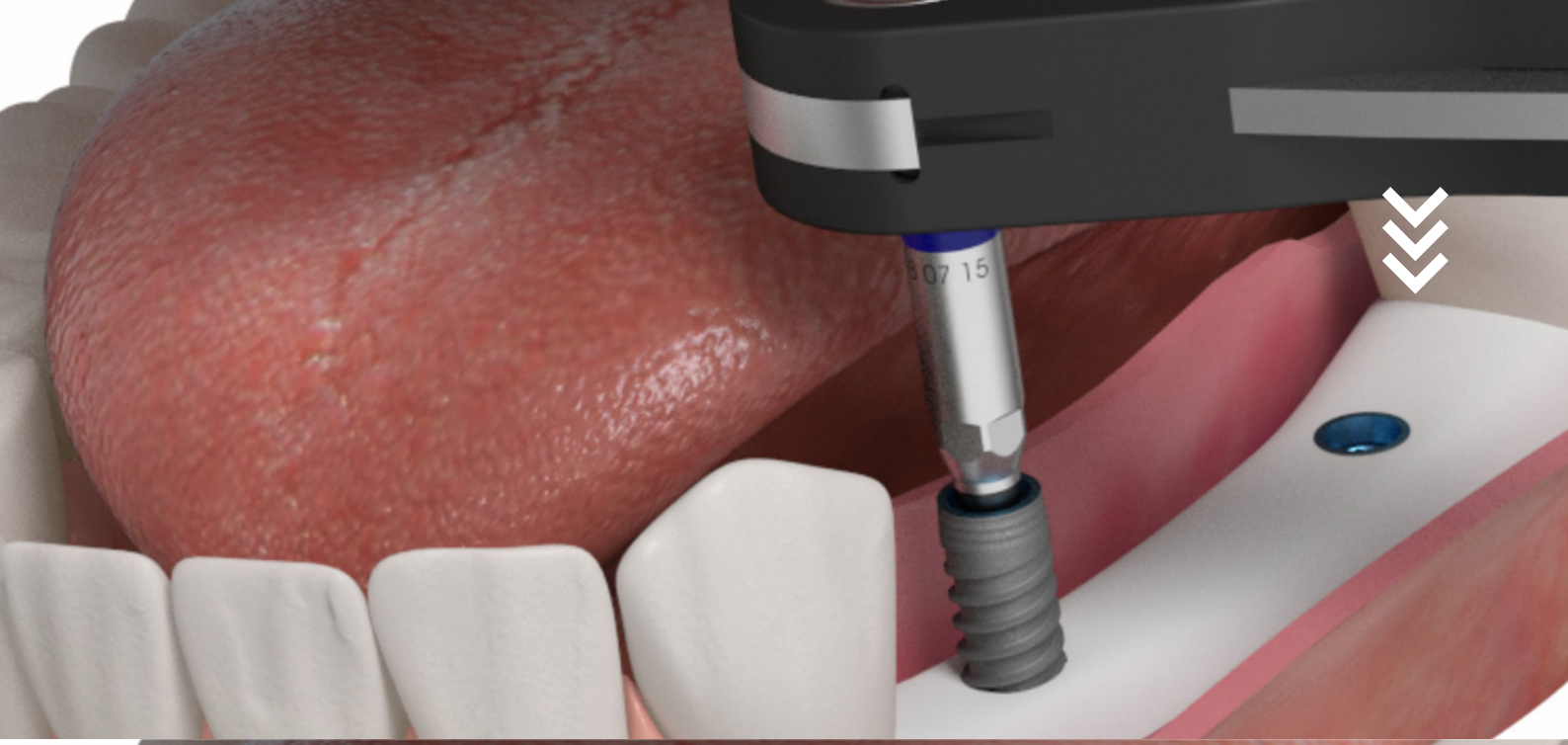
Once the required depth has been reached with the implant, disengage the EC CONTRA-ANGLE WRENCH to proceed with its removal.

Laser marking is a visual aid to correctly identify the coronal part of the implant.

WRENCHES

18 07 21	VEGA® MV SHORT WRENCH CONTRA-ANGLE
18 07 22	VEGA® MV LONG WRENCH CONTRA-ANGLE
18 07 23	VEGA® MV EXTRA LONG WRENCH CONTRA-ANGLE
18 07 01	VEGA® NV SHORT WRENCH CONTRA-ANGLE
18 07 02	VEGA® NV LONG WRENCH CONTRA-ANGLE
18 07 03	VEGA® NV EXTRA LONG WRENCH CONTRA-ANGLE
18 07 11	VEGA® RV SHORT WRENCH CONTRA-ANGLE
18 07 12	VEGA® RV LONG WRENCH CONTRA-ANGLE
18 07 13	VEGA® RV EXTRA LONG WRENCH CONTRA-ANGLE

WARNINGS
Make sure that the contra-angle firmly fastens the motor-driven wrench [EC CONTRA-ANGLE WRENCH].
Do not start the threading process without ensuring that the wrench fits into the implant properly.
Exceeding the torque of 45 Ncm may result in damage to the contra-angle and motor-driven wrench.
If there is high bone resistance during insertion of the implant, the direction of the torque wrench should be changed to counter-clockwise, unscrewing the implant approximately 2 times.
Then change the direction of the motor-driven wrench to clockwise and continue threading. This releases the stress in the bone and facilitates threading work.
Repeat this step as many times as necessary.
If bone resistance exceeds 45 Ncm and does not allow complete insertion of the implant, remove the motor-driven wrench and continue with the torque wrench.
Non-compliance with surgical sequence recommendations may cause difficulties whilst inserting the implant, causing excessive compression in the implant bed.




IN


OUT

IMPLANT INSERTION WITH TORQUE WRENCH

Place the implant in the surgical bed and start the threading process with the torque wrench.

Check that the wrench shows as being in the tightening direction [IN] and proceed with the final insertion of the implant.

Once the required depth has been reached with the implant, disengage the EC CONTRA-ANGLE WRENCH to proceed with its removal.

Laser marking is a visual aid to correctly identify the coronal part of the implant.

WRENCH AND ADAPTERS

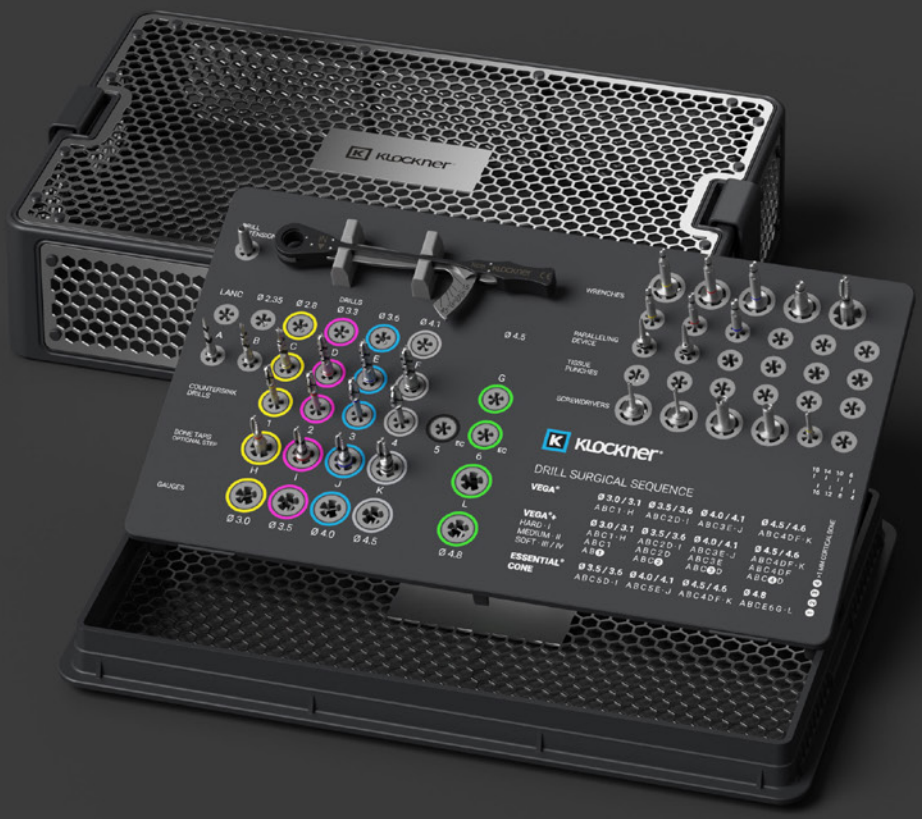
JDTWKL	JDTORQUE® TORQUE WRENCH
18 07 24	VEGA® MV SHORT WRENCH FOR TORQUE WRENCH
18 07 25	VEGA® MV LONG WRENCH FOR TORQUE WRENCH
18 07 26	VEGA® MV EXTRA LONG WRENCH FOR TORQUE WRENCH
18 07 04	VEGA® NV SHORT WRENCH FOR TORQUE WRENCH
18 07 05	VEGA® NV LONG WRENCH FOR TORQUE WRENCH
18 07 06	VEGA® NV EXTRA LONG WRENCH FOR TORQUE WRENCH
18 07 14	VEGA® RV SHORT WRENCH FOR TORQUE WRENCH
18 07 15	VEGA® RV LONG WRENCH FOR TORQUE WRENCH
18 07 16	VEGA® RV EXTRA LONG WRENCH FOR TORQUE WRENCH

WARNINGS
Do not start the threading process without ensuring that the adapter fits into the implant properly.
If there is high bone resistance during insertion of the implant, the direction of the torque wrench should be changed to counter-clockwise [OUT], unscrewing the implant approximately 2 times. Then change the direction of the wrench to clockwise [IN] and continue threading. This releases the stress in the bone and facilitates threading work. Repeat this step as many times as necessary.

DO NOT EXCEED 70 Ncm WHEN PLACING VEGA® / VEGA®+ IMPLANTS.

Non-compliance with surgical sequence recommendations may cause difficulties whilst inserting the initiator, generating an excessive force that damages the integrity of the implant and the instruments, as well as causing excessive alveolar compression that results in bone necrosis and, consequently, the loss of the fixation.

Forced insertion of the implant can cause:
Damage to the connection / Damage to the instruments indicated for insertion of the implant / Cold welding of these instruments with the implant / Excess compression of the receiving bone can impede implant osseointegration.


KLOCKNER
DRILL SURGICAL SEQUENCE
VEGA®
VEGA® s
ESSENTIAL® CONE

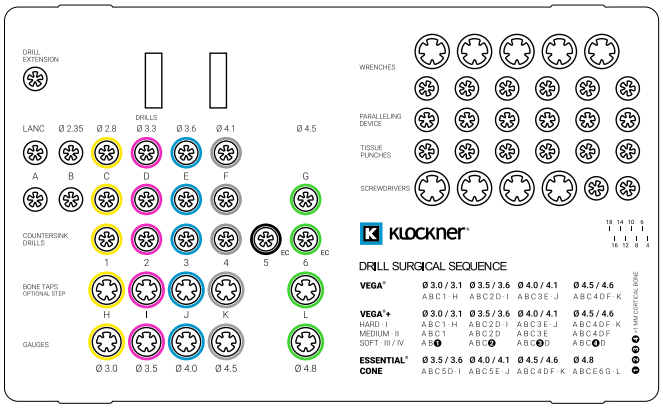
KLOCKNER®

SURGICAL BOX

The surgical container makes it possible to sterilize and organize the instruments necessary for placing the VEGA® type KLOCKNER® IMPLANT SYSTEM dental implants.

Made of PPSU and Stainless Steel, its exclusive design supports the professional's work to the maximum, by means of:

· Its layout that favours the rapid handling of its components.
· Perfect immobilization of the parts providing a great non-slip stability.
· Designed for washer disinfector
· Compact support that makes it easy to transport.
· Optimized drilling sequence with an alphanumeric flow and colour code depending on the dental implant to be placed.
· Products grouped by instrument type.
· Versatility for all VEGA® type KLOCKNER® dental implants.
· Simplicity in the flow with differentiation of operational sequence and optional stages according to the clinical case.

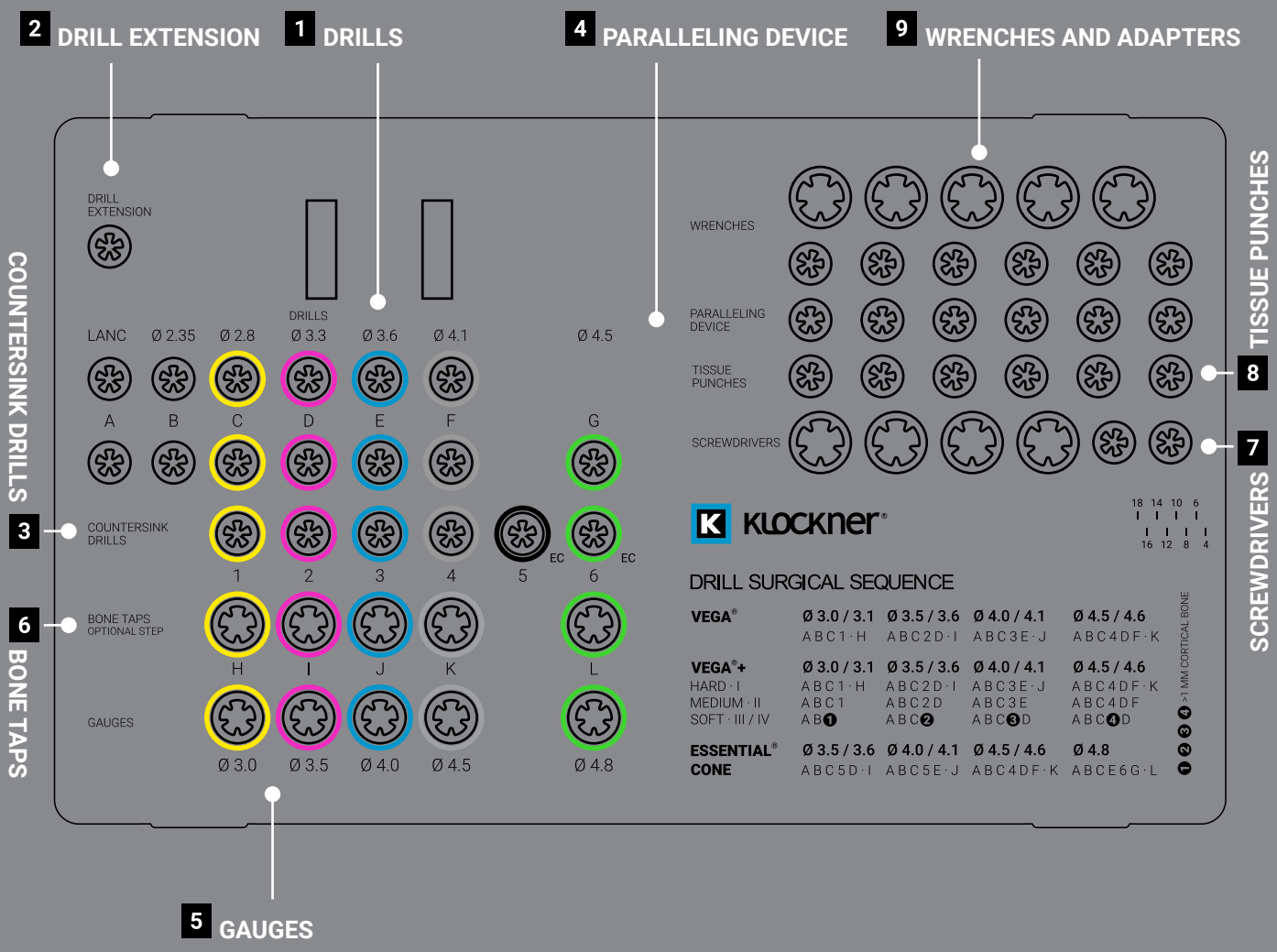


KIT WT VEGA® - SURGICAL BOX KIT VEGA® [WT]

The material to be used for preparing the implant bed is distributed following the optimal surgical sequence according to the type of implant to be placed and its respective diameter. The colour code of each element is visible, making it easy to locate during the surgery.

The KLOCKNER® IMPLANT SYSTEM offers all of its customers a highly-qualified technical and sales team to advise the professional about the KLOCKNER® IMPLANT SYSTEM and components.

The tray settings make it possible to customise the container, adding instruments according to the needs of each clinical case.



KLOCKNER®

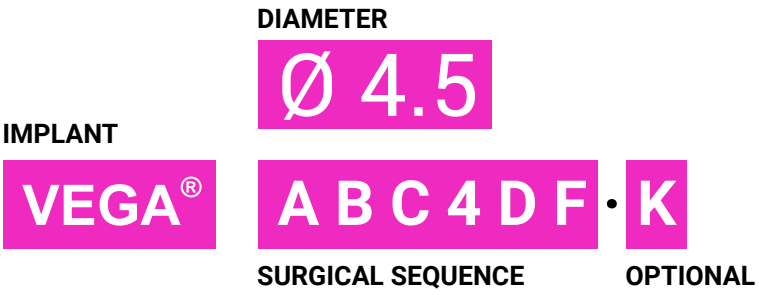
SECTIONS WHERE COMPONENTS ARE LOCATED IN THE SURGICAL BOX

SEQUENCE CODE

The alphanumeric sequence establishes the surgical step-by-step instructions to follow, depending on the type of dental implant and its surgical diameter. The professional must duly follow the order established in the sequence of the step-by-step instructions. Each letter makes it possible to code a type of surgical instrument.
The perforation drills and threading initiators are coded with a letter, while the crestal drills are coded with numbers. The optional part of the sequence (threading initiators) is indicated with a separation point compared to the obligatory stages.

Example of steps to follow for the placement of a VEGA® Ø 4.5 mm implant

VEGA®	**Ø 3.0 / 3.1**	**Ø 3.5 / 3.6**	**Ø 4.0 / 4.1**	**Ø 4.5 / 4.6**
	A B C 1 · H	A B C 2 D · I	A B C 3 E · J	A B C 4 D F · K
VEGA®+	**Ø 3.0 / 3.1**	**Ø 3.5 / 3.6**	**Ø 4.0 / 4.1**	**Ø 4.5 / 4.6**
HARD · I	A B C 1 · H	A B C 2 D · I	A B C 3 E · J	A B C 4 D F · K
MEDIUM · II	A B C 1	A B C 2 D	A B C 3 E	A B C 4 D F
SOFT · III / IV	A B ❶	A B C ❷	A B C ❸ D	A B C ❹ D
ESSENTIAL® CONE	**Ø 3.5 / 3.6**	**Ø 4.0 / 4.1**	**Ø 4.5 / 4.6**	**Ø 4.8**
	A B C 5 D · I	A B C 5 E · J	A B C 4 D F · K	A B C E 6 G · L



WARNINGS

KLOCKNER® IMPLANT SYSTEM instruments should only be used by surgical professionals qualified in the field of surgery and rehabilitation, including diagnosis, planning and surgical technique. The information written on the surgical container do not serve as a reliable and adequate guide for the placement of a dental implant. It is essential to consult and follow the appropriate surgical sequence and indications for use for each type of dental implant. The instruments included in the surgical container have a defined useful life, and therefore it is recommended to record the uses of the products, in order to dispose of those that have already reached the recommended number of uses [See instructions for use].

It is recommended to secure the instruments with a traction thread in order to avoid accidental swallowing or aspiration of this material. Piling the containers in the autoclave and/or adding instruments / devices not initially planned can adversely affect the efficiency of sterilisation of the contents. It is important not to return used instruments to the container, in order to not increase contamination of the container. It is important to inspect the container and its contents before and after each use in order to discard devices showing corrosion, surface damage, loss of identification markers, lack of retention, etc., or other factors that may adversely affect treatment success and/or patient safety.

The use of products and/or equipment for maintenance, cleaning and sterilisation not recommended in the instructions for use and/or in the supporting documentation may cause important and irreversible damage to the containers and/or instruments they contain. For cleaning the container, follow the same cleaning instructions as in the case of the associated reusable surgical instruments.

LOCATION OF THE INSTRUMENTS

POSITION / BOX SECTION	A	A	B	B	C	C	D
INCLUDED IN THE KIT	●		●		●		●

10 02 01 T LANCEOLATE DRILL [DS]	10 02 01 LT LONG LANCEOLATE DRILL [DS]	10 02 02 T PILOT DRILL Ø1.8-2.35MM [DS]	10 02 02 LT LONG PILOT DRILL Ø1.8-2.35MM [DS]	10 02 03 T PILOT DRILL Ø 2.8 MM [DS]	10 02 03 LT LONG DRILL Ø3.3MM [DS]	10 02 05 T DRILL Ø3.3MM [DS]

POSITION / BOX SECTION	H	I	J	K	6	6	6
INCLUDED IN THE KIT	●	●	●	●			

18 03 01 BONE TAP Ø3.0MM [YELLOW]	10 03 01 BONE TAP Ø 3.5 MM [RED]	10 03 02 BONE TAP Ø 4.0 MM [BLUE]	10 03 04 BONE TAP Ø 4.5 MM [BLACK]	18 06 05 GAUGE [Ø3.0MM]	10 06 12 GAUGE [Ø3.5MM]	10 06 13 GAUGE [Ø4.0MM]

KLOCKNER®

6	7	7	7	7	7	7	7	7	8	8	8	8
		●		●			●					

10 06 14
GAUGE [Ø4.5MM]

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 EXTRA LONG SCREWDRIVER FOR TORQUE WRENCH

10 08 08
EC-VEGA® STAR CONTRA-ANGLE SCREWDRIVER

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

18 06 01
TISSUE PUNCH Ø2.8MM [VEGA® MV]

18 06 02
TISSUE PUNCH Ø3.3MM [VEGA® NV]

18 06 03
TISSUE PUNCH Ø3.6MM [VEGA® RV]

18 06 04
TISSUE PUNCH Ø4.1MM [VEGA® RV]

D	E	E	F	F	2	1	2	3	4	4		
	●		●		●	●	●	●	●	2		

10 02 05 LT
LONG DRILL Ø3.3MM [DS]

10 02 06 T
DRILL Ø3.6MM [DS]

10 02 06 LT
LONG DRILL Ø3.6MM [DS]

10 02 09 T
DRILL Ø4.1MM [DS]

10 02 09 LT
LONG DRILL Ø4.1MM [DS]

10 06 09
DRILL EXTENSION

18 02 07
COUNTERSINK DRILL Ø3.0MM

18 02 04
COUNTERSINK DRILL Ø3.5MM

18 02 05
COUNTERSINK DRILL Ø4.0MM

18 02 06
COUNTERSINK DRILL Ø4.5MM

10 06 05
PARALLELING DEVICE

CONTENTS OF THE KIT / LOCATION OF THE INSTRUMENTS

The correct application of the step-by-step instructions described on the container's tray depends mainly on the repositioning of the instruments in their respective locations after each use. There is a colour code that makes it possible to speedily identify certain instruments with their corresponding holder, the location table makes it possible to fill in the information necessary for the correct relocation of the instruments.

	10 07 02 EC-VEGA® RATCHET WRENCH	10 07 02 L EC-VEGA® LONG RATCHET WRENCH	10 07 02 XL EC-VEGA® EXTRA LONG RATCHET WRENCH	18 07 24 VEGA® MV SHORT WRENCH FOR TORQUE WRENCH	18 07 25 VEGA® MV LONG WRENCH FOR TORQUE WRENCH	18 07 26 VEGA® MV EXTRA LONG WRENCH FOR TORQUE WRENCH	18 07 04 VEGA® NV SHORT WRENCH FOR TORQUE WRENCH
POSITION / BOX SECTION	9	9	9	9	9	9	9
INCLUDED IN THE KIT		●	●			●	

	18 07 11 VEGA® RV SHORT WRENCH CONTRA-ANGLE	18 07 12 VEGA® RV LONG WRENCH CONTRA-ANGLE	18 07 13 VEGA® RV EXTRA LONG WRENCH CONTRA-ANGLE	18 07 30 VEGA® PERMANENT® ABUTMENT WRENCH [M]	18 07 31 VEGA® PERMANENT® ABUTMENT WRENCH [U]
POSITION / BOX SECTION	9	9	9	9	9
INCLUDED IN THE KIT		●		●	●

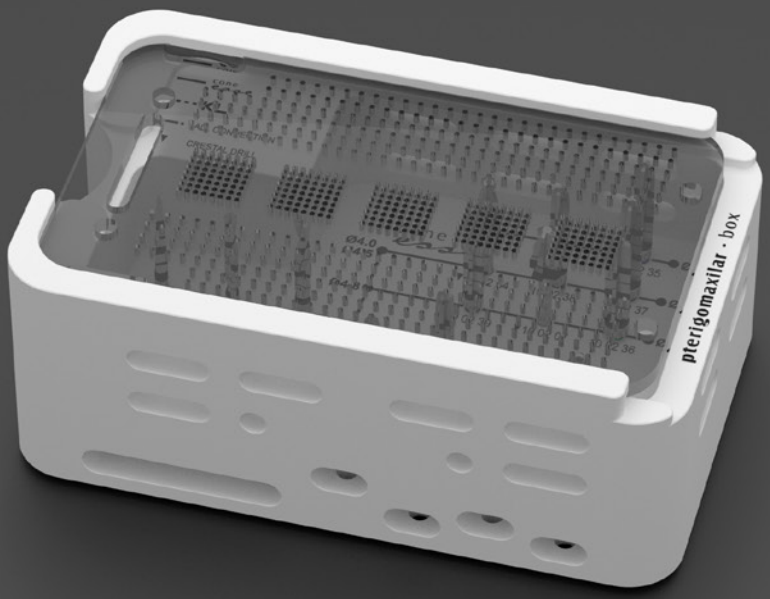
KLOCKNER®

LOCATION OF THE INSTRUMENTS

18 07 05 VEGA® NV LONG WRENCH FOR TORQUE WRENCH	9												
18 07 06 VEGA® NV EXTRA LONG WRENCH FOR TORQUE WRENCH	9	●											
18 07 14 VEGA® RV SHORT WRENCH FOR TORQUE WRENCH	9												
18 07 15 VEGA® RV LONG WRENCH FOR TORQUE WRENCH	9												
18 07 16 VEGA® RV EXTRA LONG WRENCH FOR TORQUE WRENCH	9	●											
10 07 04 EC CONTRA-ANGLE WRENCH	9												
10 07 04 L EC LONG CONTRA-ANGLED WRENCH	9												
18 07 21 VEGA® MV SHORT WRENCH CONTRA-ANGLE	9												
18 07 22 VEGA® MV LONG WRENCH CONTRA-ANGLE	9	●											
18 07 23 VEGA® MV EXTRA LONG WRENCH CONTRA-ANGLE	9												
18 07 01 VEGA® NV SHORT WRENCH CONTRA-ANGLE	9												
18 07 02 VEGA® NV LONG WRENCH CONTRA-ANGLE	9	●											
18 07 03 VEGA® NV EXTRA LONG WRENCH CONTRA-ANGLE	9												

JDTWKL JDTORQUE® TORQUE WRENCH	●

KLOCKNER®



INCLUDES

10 02 04	COUNTERSINK DRILL Ø4.5MM
10 02 07	COUNTERSINK DRILL Ø6MM
10 02 31	LANCEOLATE DRILL [PTM]
10 02 32	PILOT DRILL Ø1.8-2.35MM [PTM]
10 02 33	PILOT DRILL Ø2.8MM [PTM]
10 02 34	DRILL Ø3.3MM [PTM]
10 02 35	DRILL Ø3.6MM [PTM]
10 02 36	DRILL Ø4.5MM [PTM]
10 02 37	DRILL Ø4.1MM [PTM]
10 02 38	DRILL Ø3.3MM [PTM]
10 02 39	DRILL Ø3.6MM [PTM]
10 02 40	DRILL Ø 4.2 MM [PTM]
1300	COUNTERSINK DRILL Ø4.2MM
1500	COUNTERSINK DRILL Ø5.5MM

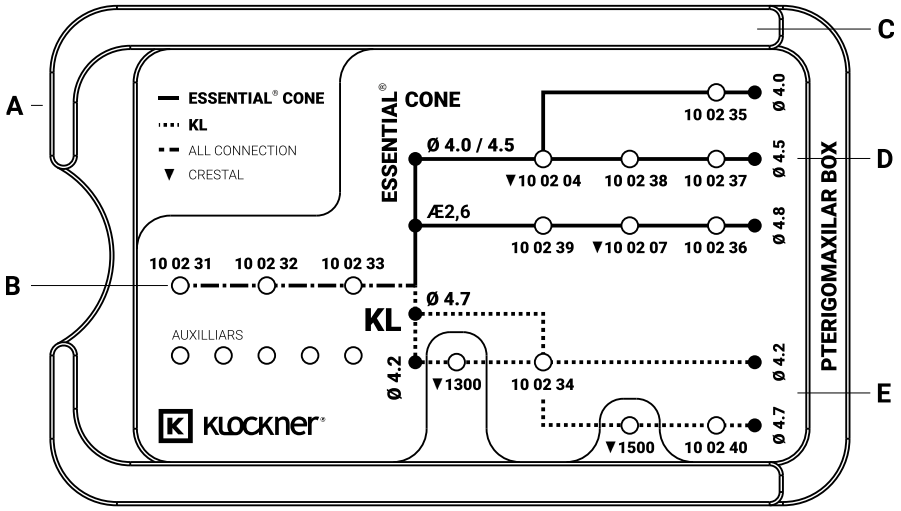
KLOCKNER®

PTERYGOMAXILLARY KIT

The container provides the drills [PTM] necessary for the placement of pterygomaxillary implants of the KLOCKNER® IMPLANT SYSTEM families.

The KLOCKNER® IMPLANT SYSTEM surgical drills are instruments designed to shape the surgical bed prior to placing a dental implant. Depth markings are available to cover drilling up to 18 mm safely and accurately.

The cutting diameter is closely related to the implant to be placed, and therefore it is very important to follow the indications contained in the surgical protocol and to use the KLOCKNER® IMPLANT SYSTEM's own instruments.



KIT 10 00 06 PTERIGOMAXILAR KIT

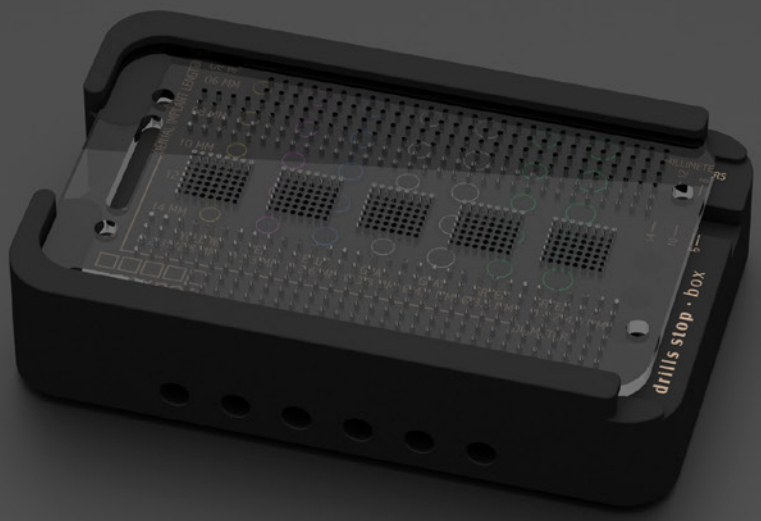
A · BASE
B · START OF THE SURGICAL SEQUENCE
C · SEALING COVER GUIDES
D · DIAMETER ESSENTIAL® CONE PTERYGOMAXILLAR IMPLANTS
E · DIAMETER KL PTERYGOMAXILLARY IMPLANTS

IMPORTANT

The KIT reference 10 00 06 · PTERIGOMAXILAR BOX KIT is supplied complete and compatible with all families of KLOCKNER® IMPLANT SYSTEM pterygomaxillary implants.

The PTERYGOMAXILLARY implant drill container contains only the surgical drills. In order to be able to apply the complete surgical sequence recommended for each implant, the surgical container compatible with the type of PTERYGOMAXILLARY implant to be placed must be available. To assess the compatibility of your surgical KIT with the PTERYGOMAXILLARY implants it is advisable to consult your usual distributor.

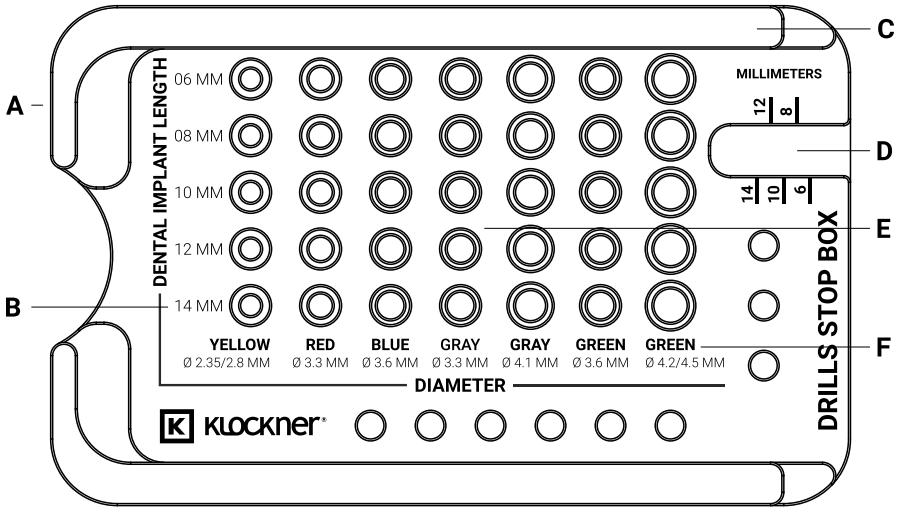
KLOCKNER®



INCLUDES

21 02 01	DRILL STOP 06 MM DRILL Ø2.35-Ø2.8MM
21 02 02	DRILL STOP 08 MM DRILL Ø2.35-Ø2.8MM
21 02 03	DRILL STOP 10 MM DRILL Ø2.35-Ø2.8MM
21 02 04	DRILL STOP 12 MM DRILL Ø2.35-Ø2.8MM
21 02 05	DRILL STOP 14 MM DRILL Ø2.35-Ø2.8MM
21 02 06	DRILL STOP 06 MM DRILL Ø3.3MM
21 02 07	DRILL STOP 08 MM DRILL Ø3.3MM
21 02 08	DRILL STOP 10 MM DRILL Ø3.3MM
21 02 09	DRILL STOP 12 MM DRILL Ø3.3MM
21 02 10	DRILL STOP 14 MM DRILL Ø3.3MM
21 02 11	DRILL STOP 06 MM DRILL Ø3.6MM
21 02 12	DRILL STOP 08 MM DRILL Ø3.6MM
21 02 13	DRILL STOP 10 MM DRILL Ø3.6MM
21 02 14	DRILL STOP 12 MM DRILL Ø3.6MM
21 02 15	DRILL STOP 14 MM DRILL Ø3.6MM
21 02 16	DRILL STOP 06 MM DRILL Ø4.2-Ø4.5MM
21 02 17	DRILL STOP 08 MM DRILL Ø4.2-Ø4.5MM
21 02 18	DRILL STOP 10 MM DRILL Ø4.2-Ø4.5MM
21 02 19	DRILL STOP 12 MM DRILL Ø4.2-Ø4.5MM
21 02 20	DRILL STOP 14 MM DRILL Ø4.2-Ø4.5MM
21 02 21	DRILL STOP 06 MM DRILL Ø4.1MM
21 02 22	DRILL STOP 08 MM DRILL Ø4.1MM
21 02 23	DRILL STOP 10 MM DRILL Ø4.1MM
21 02 24	DRILL STOP 12 MM DRILL Ø4.1MM
21 02 25	DRILL STOP 14 MM DRILL Ø4.1MM
21 02 26	DRILL STOP 06 MM DRILL Ø3.3MM
21 02 27	DRILL STOP 08 MM DRILL Ø3.3MM
21 02 28	DRILL STOP 10 MM DRILL Ø3.3MM
21 02 29	DRILL STOP 12 MM DRILL Ø3.3MM
21 02 30	DRILL STOP 14 MM DRILL Ø3.3MM
21 02 31	DRILL STOP 06 MM DRILL Ø3.6MM
21 02 32	DRILL STOP 08 MM DRILL Ø3.6MM
21 02 33	DRILL STOP 10 MM DRILL Ø3.6MM
21 02 34	DRILL STOP 12 MM DRILL Ø3.6MM
21 02 35	DRILL STOP 14 MM DRILL Ø3.6MM

The container allows arrangement of all the available stops, establishing correspondence between the length of the dental implant to be placed and the colour / diameter identification of the drill to be used.



KIT 10 00 02 DRILL STOPS KIT

A · BASE
B · ROWS ORGANISED ACCORDING TO THE LENGTH OF THE DENTAL IMPLANT TO BE PLACED
C · SEALING CAP GUIDES
D · THE RULER ALLOWS VISUAL CONFIRMATION OF THE CORRECT CHOICE OF STOP BY MEASURING THE DRILLING DEPTH
E · LOCATION OF THE DRILL STOPS
F · COLUMNS ORGANISED BY COLOUR CODE AND CODE IDENTIFYING THE DIAMETER OF THE SURGICAL DRILL

IMPORTANT
The KIT reference 10 00 02 · DRILL STOPS KIT is supplied complete and compatible with all families of KLOCKNER® IMPLANT SYSTEM implants.

1

2

3

4

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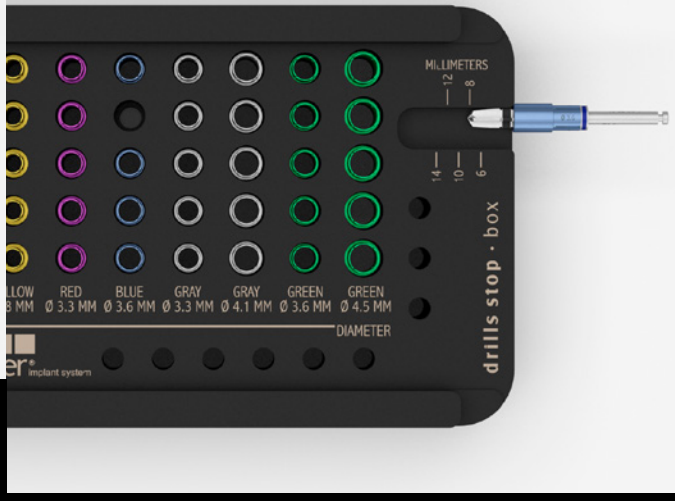
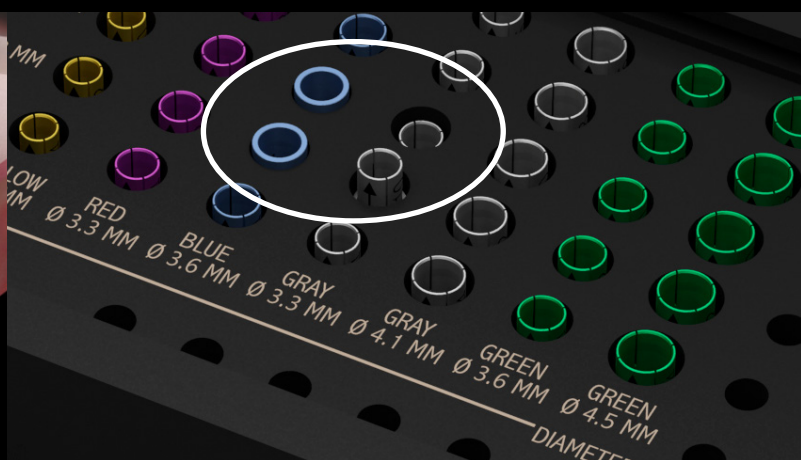


6

7

STORAGE ERROR



SPECIAL CONSIDERATIONS / USE

The container receptor spaces allow simple and safe stop assembly corresponding to the respective drill.

STOP ASSEMBLY

1. Select the stop to be used according to the implant to be placed and the recommended drilling sequence.
2. Insert the drill directly into the chosen stop.
3. Apply light pressure until the "STOP" is detected.
4. Extract the drill/stop assembly from the container, checking correct retention outside the oral cavity.
5. Manually position the assembly on the ruler.
6. Choose the appropriate side to confirm the depth of the future osteotomy. The length marked on the stop must coincide with the length reached by the drill once the ruler has been placed as shown in the figure.
7. Fit the assembly to the C/A and perform the osteotomy.

STORAGE OF THE STOPS IN THE CONTAINER

After completing the cleaning and drying process, the stops must be replaced in their respective spaces before sterilising the set.

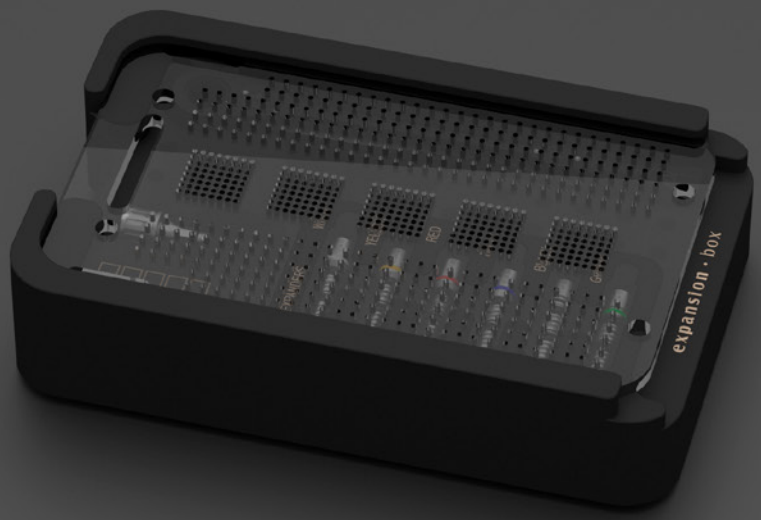
Three characteristics have been established for placing the stops in the container spaces:
- Laser marking of the length of the dental implant to be placed.
- Laser marking of the diameter of the drills.
- Colour code.

These three characteristics are marked on the container. The indications of the container and the product must be followed.

The following steps are recommended for checking purposes:
- Confirm that the colour identification of the stop coincides with the name of the column of the container.
- Confirm consistency of the height of the stops with respect to the space [approx. 1 mm].

WARNINGS

The DRILL STOPs must be inserted in their respective spaces with the assembly arrow pointing towards the container lid.
Make sure that the stop is the appropriate one the drilling length. Follow the assembly and disassembly instructions provided to avoid the risk of cuts from the drill blade.



INCLUDES

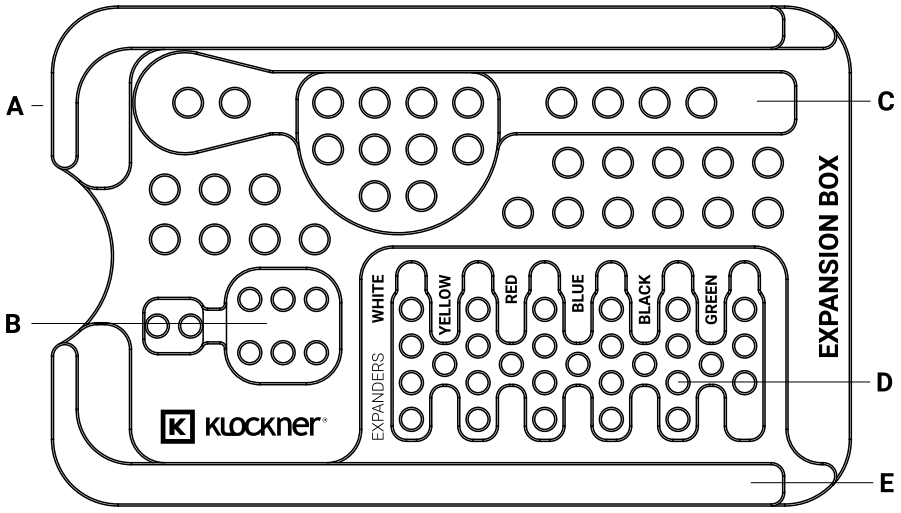
10 04 01	BONE EXPANDER [WHITE]
10 04 02	BONE EXPANDER [YELLOW]
10 04 03	BONE EXPANDER [RED]
10 04 04	BONE EXPANDER [BLUE]
10 04 06	BONE EXPANDER [BLACK]
10 04 05	BONE EXPANDER [GREEN]
JDTWKLF	JDTORQUE® RATCHET WRENCH
10 07 02	RATCHET WRENCH ADAPTER

KLOCKNER®

EXPANDERS KIT

The expanders shape the peri-implant socket, minimising bone loss and substituting the use of drills. They allow progressive bone crest expansion, with the possibility of working in sequence. The bone compactor increases peri-implant bone density, enhancing primary stability of the implant in type d3-d4 bone.

Implantation can be performed manually, with a ratchet wrench, or motor-driven wrench. The colour code is indicative of the diameter of the implant to be fitted, allowing rapid identification at the time of surgery.
The expanders kit contains the full set of threaded expanders corresponding to the internal connection systems. This allows the expanders to be stored for their use and sterilisation.



KIT 10 00 03 EXPANDERS KIT

A · BASE
B · RATCHET WRENCH ADAPTER
C · RATCHET WRENCH
D · LOCATION OF THE EXPANDERS
E · SEALING CAP GUIDES

REFERENCES

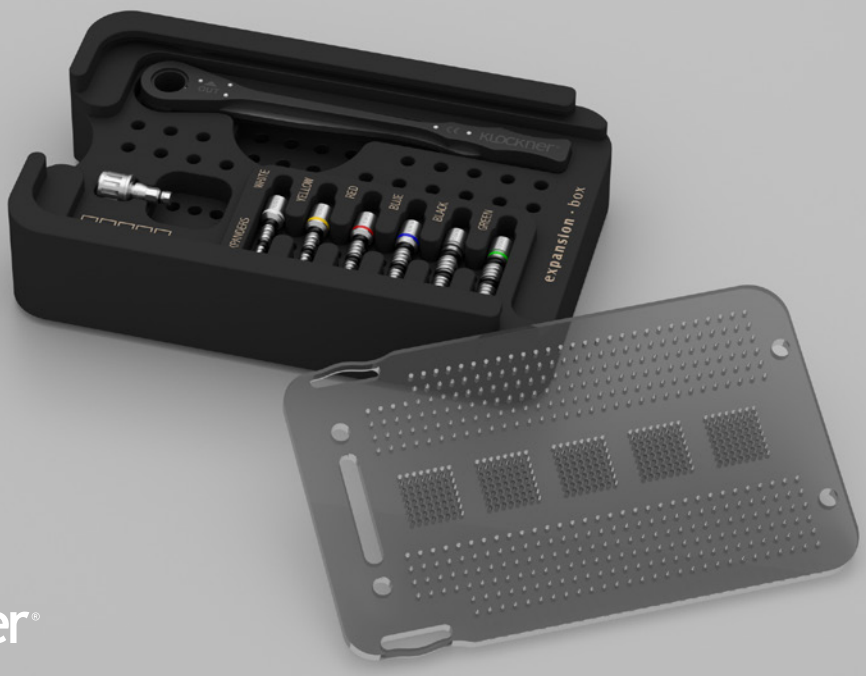
1. J. López Jiménez, C. Carrera Guardia, M. J. Giménez Prats, M. Carneado Ferrer. Colocación de implantes con tornillos de osteosíntesis. Revista Española Odontoestomatológica de Implantes 1997;5(3):127-132
2. Dr. Julián López Jiménez, Dra. Mª. José Giménez Prats, Dr. Antonio Cutando Soriano. Colocación de implantes con Expansores KLOCKNER. Boletín Informativo de Implantología 1997;5
3. Enric Pedemonte, Alejandro Padrós, Esteban Padullés, Oscar Fernández. Técnica de expansión de la cresta estrecha en mandíbula con expansores roscados. A propósito de un caso. Quintessence (Ed. Española) 2003;16 (7): 58-65.
4. Dr. Alejandro Padrós Fradera, Dr. Enric Pedemonte Roma, Dr. Esteban Padullés i Roig, Dr. Oscar Benet Garrabé, Dr. José Mª. Arano Sesma. Técnica de expansión de cresta estrecha. Revista Española Odontostomatológica de Implantes 2005;8(1):7-12.
5. Dr. Esteban Padullés i Roig. Colocación de implantes con elevación de seno maxilar. Caso clínico. Revista Española Odonteostomatológica de Implantes, 2006;14 (1): 36-39
6. Dr. Alejandro Padrós Fradera, Dr. Oscar Benet Garrabé, Dr. Diego Martín Pien Dain. Atlas Práctico de Implantología Oral. Capítulo XXI. Tratamiento de las atrofias óseas de los maxilares: técnicas para el aumento horizontal del reborde alveolar. Osteotomía y corticotomía. Gaceta Dental 2006;171:253-266
7. Dr. Alejandro Padrós Fradera, Dr. Oscar Benet Garrabé, Dr. Carlos Carrera Guardia, Dr. Diego Pien Dain. Mantenedores de espacio para la expansión ósea en implantología. Descripción y técnica quirúrgica. Revista Española Odontoestomatológica de Implantes 2006;14 (3): 169-177

IMPORTANT

The KIT reference 10 00 03 · EXPANDERS KIT is supplied complete and compatible with all families of KLOCKNER® IMPLANT SYSTEM implants.

DIMENSIONS
Table of measurements of the expanders used with VEGA® and VEGA®+ implants

	10 04 01 BONE EXPANDER [WHITE]	**10 04 02** BONE EXPANDER [YELLOW]	**10 04 03** BONE EXPANDER [RED]	**10 04 04** BONE EXPANDER [BLUE]	**10 04 06** BONE EXPANDER [BLACK]
FINAL DIAMETER / COLLAR	**3.5 MM**	**3.65 MM**	**3.75 MM**	**4.15 MM**	**4.75 MM**
INITIAL DIAMETER / APEX	**1.2 MM**	**2.0 MM**	**2.8 MM**	**3.2 MM**	**3.7 MM**
ACTIVE LENGTH	**14 MM**	**14 MM**	**14 MM**	**14 MM**	**14 MM**
IMPLANT DIAMETER		**3.0 / 3.1**	**3.5 / 3.6**	**4 / 4.1**	**4.5 / 4.6**



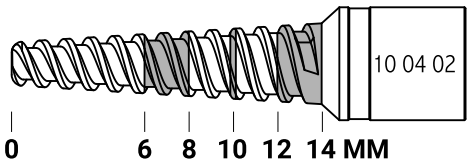
KLOCKNER®

The KLOCKNER® IMPLANT SYSTEM threaded expanders compact peri-implant bone, increasing its density and therefore the stability of the bone receiving the implant. Since heating of bone is minimal, the system is also indicated in type D1 bone, representing an alternative to the osteotome widening technique.
In the case of narrow crests, and provided expansive corticotomies are not performed, the expanders should be used after initial perforation to the desired distance [starting drill Ø 1.8 mm]. Widening is then performed following the sequence of expanders. Alternatively, and according to professional criterion, work can be performed with the drilling sequence, replacing the last drill with the expander corresponding to the diameter of the implant to be placed.

EXPANDERS

Made of stainless steel.

10 04 01*	BONE EXPANDER [WHITE]
10 04 02	BONE EXPANDER [YELLOW]
10 04 03	BONE EXPANDER [RED]
10 04 04	BONE EXPANDER [BLUE]
10 04 05	BONE EXPANDER [GREEN]
10 04 06	BONE EXPANDER [BLACK]



10 04 01

10 04 02

10 04 03

10 04 04

10 04 05

10 04 06

JDTWKLF JDTORQUE® RATCHET WRENCH

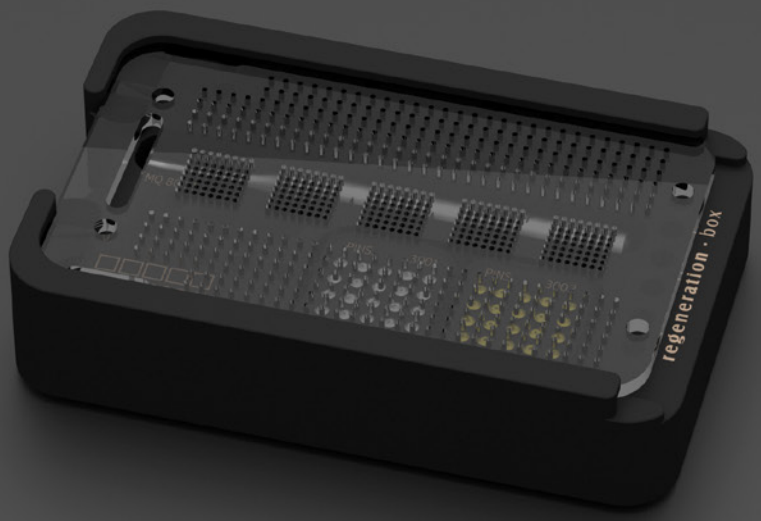
JDTWKLF

*For use in corticotomies.

IMPORTANT

The expanders can be placed using a ratchet wrench with its corresponding adaptors [Ref. 10 07 02, 10 07 02 L]. Motor-driven placement is also possible [Ref. 10 07 04], using low revolutions in all cases, 20 RPM, with a torque no greater than 45 Ncm.

KLOCKNER®



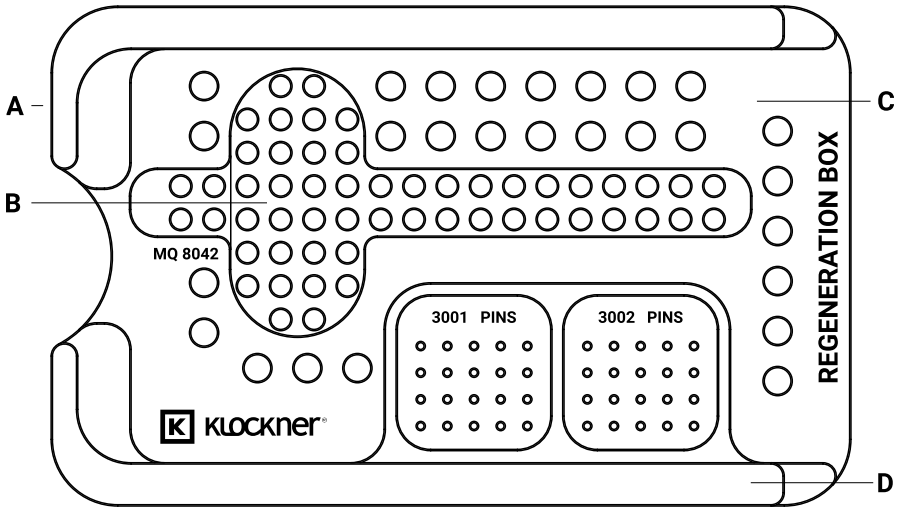
KLOCKNER®

INCLUDES

3001	TITANIUM PIN (10 UNITS) (X2)
3002	SHORT TITANIUM PIN (10 UNITS) (X2)
MQ-8042	PIN CARRIER

The container allows 40 pins [20 pins ref. 3001 and 20 pins ref. 3002] to be stored for their use and sterilisation. Surgical handling is simple, with a transporter instrument to carry and deliver the pin to the surgical field with ease.

Since these are single-use devices, new devices must periodically be replaced in the container. KLOCKNER® IMPLANT SYSTEM supplies its instruments non-sterile. For this reason the material must be sterilised before the operation.

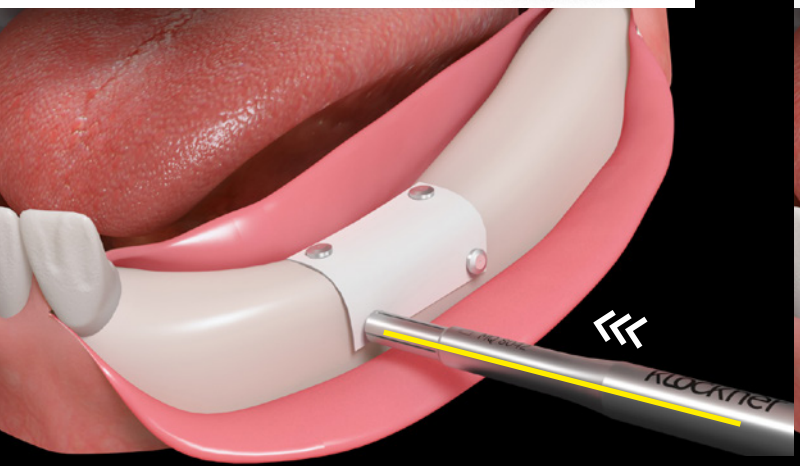


KIT 10 00 04 REGENERATION KIT

A · BASE
B · TRANSPORT INSTRUMENT
C · LOCATION OF THE PINS
D · SEALING COVER GUIDES

1

2



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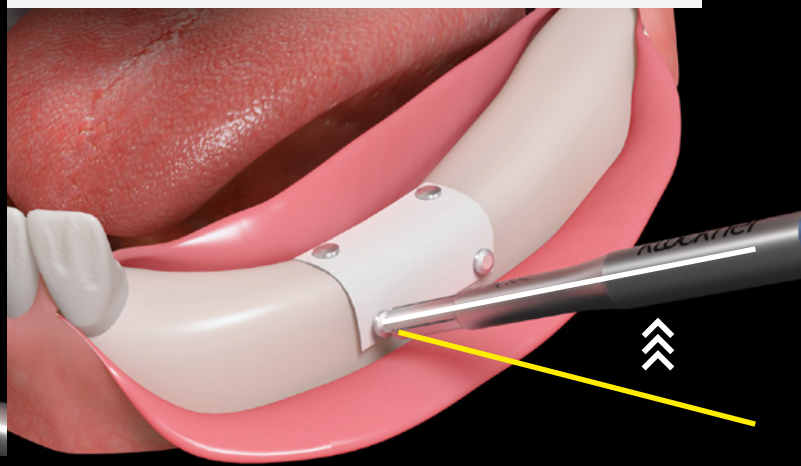

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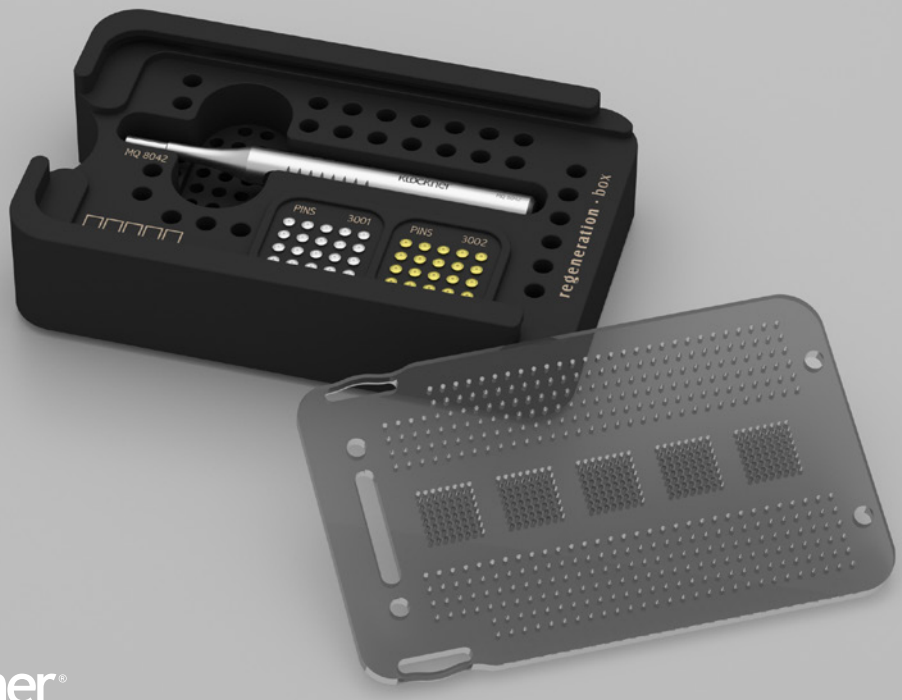


KLOCKNER®

The pins must be replaced in their storage area before sterilising the kit. The pin is a small device with a specific design that ensures its functionality. It therefore must be handled with care during the replacement phase. If instruments are used for replacement, maximum caution is required in order not to damage the sharp tip of the pin. It is advisable to use the container to position the pins close to their respective spaces and then complete positioning with a clean and sterile instrument.

USE

1. Position the pin-transporter on the head of the pin.
2. Apply light pressure until correct placement is noted and make sure than the pin is retained in the transporter.
3. Use the pins according to the indications for use.
4. Detach the pin from the transporter by combining a light axial pressure with a lateral tilting movement.

REGENERATION

3001	TITANIUM PIN (10 UNITS)
3002	SHORT TITANIUM PIN (10 UNITS)
MQ-8042	PIN CARRIER
MQ-8042 L	PIN CARRIER LARGE

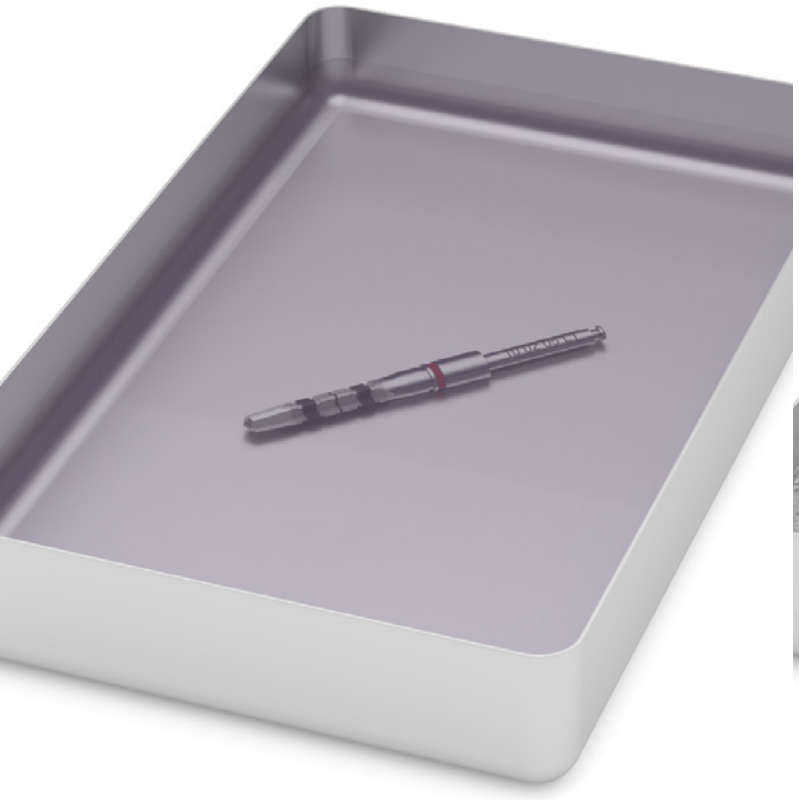
MQ-8042

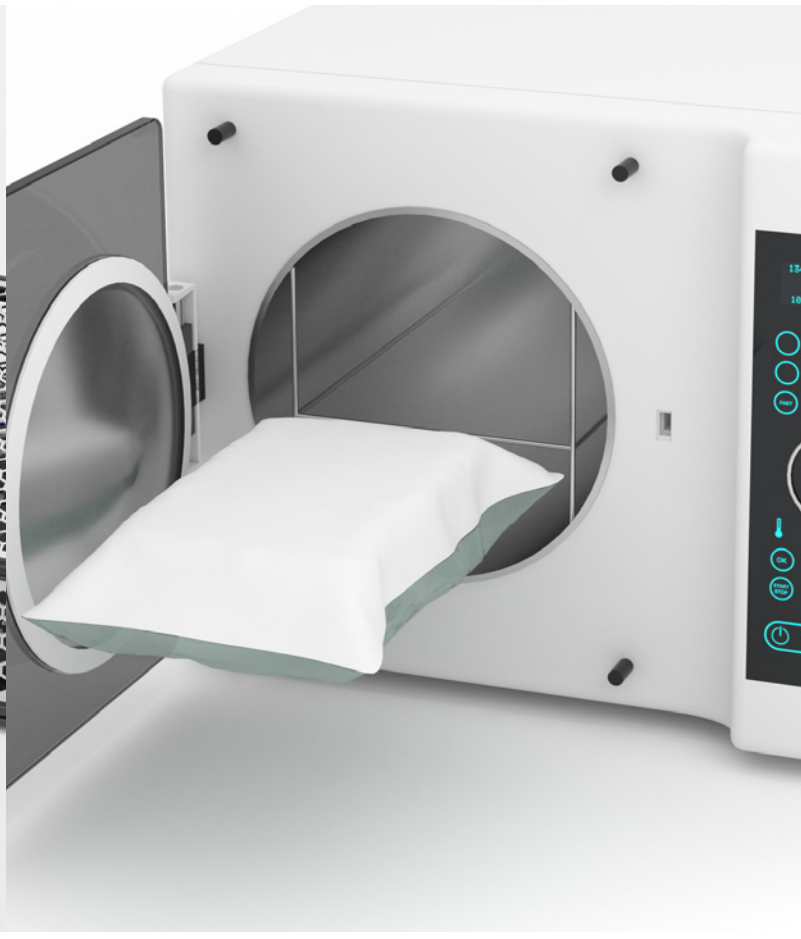
3001

3002

MQ-8042 L

KLOCKNER®





WARNINGS
· KLOCKNER® IMPLANT SYSTEM instruments should only be used by qualified surgical professionals (with experience in diagnosis, planning and surgical technique). · Improper use of the instruments may lead to their premature wear and unnecessarily expose the patient to physical danger. · It is advisable to use safety goggles during drilling procedures. Gloves must be used during the cleaning processes of contaminated instruments. · Check that the drills are serviceable and in perfect working condition for their use. · Due to the relationship between drill and implant dimensions, the described sequence must be followed in all cases. · Before its use, check that the hand piece fixes to the drill perfectly and turns properly, verifying that irrigation is suitable, either through the internal hole or directly to the implant bed via the external one. · Eccentricity of any rotary cutting item may result in alveolar oversizing. · A failure in instrument support structures in the mouth may result in their coming undone within the mouth cavity and possible swallowing and/or choking. · Copious irrigation with sterile solution is essential during the drilling process to prevent damaging the bone tissue and affecting implant osseointegration. Failure to use irrigation with rotary instruments can result in bone necrosis. · Applying levering forces during the drilling process may result in the instrument breaking. · Exceeding a torque of 45 Ncm can damage the connection of the surgical material in the contra-angle and even damage the contra-angle head. · Alternating pressure should be applied, using the drilling technique intermittently. · Loss of drill identifying colours may result in errors in the drilling sequence. Do not subject the instruments to contact with H_2O_2 [hydrogen peroxide].

MAINTENANCE , CLEANING AND STERILIZATION

KLOCKNER® IMPLANT SYSTEM supplies its surgical instruments non-sterile. Therefore the material must be cleaned and sterilised before use in the surgical intervention. This procedure will be performed in cycles before all operations.

1 Manual cleaning and disinfection: it is recommended that the devices should be thoroughly cleaned with tap water using a nylon brush, checking that there are no bone fragments or biological residues on the devices. Place the devices in a beaker for 5 min. using ultrasonic cleaning (Bandelin Super RK 514 H at 20°C or equivalent [Frequency 35 KHz]) with a Dürr Dental ID 212 solution (2% dilution with demineralized water) or equivalent (combination of quaternary ammonium compounds, guanidine, non-ionic surfactants). Thoroughly rinse the devices with demineralized water, using a nylon brush to clean the entire surface of the devices for 30 +/- 5 sec. Thoroughly clean the orifices, cavities, and rough areas and check that there are no bone fragments or biological residues in the devices. Once used, this dilution must be disposed of.

2. Check for any tissue residues, secretions, or blood residues. Rinse out and clean all cavities of the instruments with at least 20 ml of cleaning solution using a disposable syringe and directing the jet into the cavities.

3. Disinfect the cleaned devices for 60 min. using an ultrasonic device with a fresh solution of the same Dürr Dental ID 212 product or equivalent (2% dilution with demineralized water). Once used, this dilution must be disposed of.

4. Ensure that the devices are not touching each other. Always use freshly prepared cleaning solution.

5. Rinsing: Thoroughly rinse the disinfected devices for at least 15 sec. under running germ-free non-pyrogenic deionized water or at least with deionized water or water intended for human consumption, both complying with ISO/TS 5111. Thoroughly rinse the orifices, cavities, and rough areas. Place the clean disinfected devices into a beaker with germ-free non-pyrogenic deionized water or at least with deionized water or water intended for human consumption, both complying with ISO/TS 5111, for 5 minutes using the ultrasonic cleaner, checking that the devices do not touch each other.

6. Drying: Dry the devices with filtered compressed air, directing the air jet through the material and ensuring that the material dries completely. The maximum recommended compressed air pressure is 3 bar.

7. Automatic cleaning and disinfection: it is recommended that the devices should be thoroughly cleaned with cold tap water using a nylon brush, checking for any bone fragments or biological residues on the devices. Place the devices in a beaker for 5 min. using ultrasonic cleaning (Bandelin Super RK 514 H at 20°C or equivalent [Frequency 35 KHz]) with a Dürr Dental ID 212 solution (2% dilution with demineralized water) or equivalent (combination of quaternary ammonium compounds, guanidine, non-ionic surfactants). Thoroughly rinse the devices with demineralized water, using a nylon brush to clean the entire surface of the devices for 30 +/- 5 sec. Thoroughly clean the orifices, cavities, and rough areas and check that there are no bone fragments or biological residues in the devices. Once used, this dilution must be disposed of.

8. Check for any tissue residues, secretions, or blood residues. Rinse out and clean all cavities of the instruments with at least 20 ml of cleaning solution using a disposable syringe and directing the jet into the cavities.

9. Soadco S.L. recommends using cleaning/disinfection equipment in accordance with the EN ISO 15883-1 and -2 standard. Follow the instructions for use supplied by the manufacturer of the washer. Place a maximum of 4 pre-cleaned devices per basket (to ensure a proper cleaning and disinfection) in a washer/disinfector (Miele PG8581 or equivalent) using neodisher MediClean Forte cleaning agent with the following process parameters in the VarioTD programme (similar to a reprocessing process with an A0 value of > 3000 sec.).
   Apply the following steps in the process:
   · Pre-cleaning with cold tap water for 2 minutes.
   · Cleaning with 0.5% cleaner at 55°C for 5 min. with demineralized water. To ensure proper and safe devices, be careful to do not run a program using different cleaner concentration, temperature and time (either more or less).
   · Rinsing with germ-free non-pyrogenic deionized water or at least with deionized water or water intended for human consumption, both complying with ISO/TS 5111, at least for 1 minute.
   · Thermal disinfection with germ-free non-pyrogenic deionized water or at least with deionized water or water intended for human consumption, both complying with ISO/TS 5111, >90°C for 5 min. To ensure proper and safe devices, be careful to do not run a thermal disinfection program using different time (either more or less).
   · If the washer/disinfector has the drying option, use it (e.g. drying for 10 min. at 95-100°C). Otherwise, dry the devices with filtered compressed air, directing the air jet through the material and ensuring that the material dries completely. The maximum recommended compressed air pressure is 3 bar.

10. Damaged, worn or deformed devices must be set aside, cleaned, disinfected and disposed of in the appropriate containers in the manner applicable to each type of device. Visually check that instruments and boxes are clean and free of detergent marks.

11. Always carefully follow the manufacturer's instructions for use of the sterilizer, especially with regards to the load weight, operating time and performance tests. The sterilizer must meet standards EN 13060 and/or ANSI AAMI ST79 (for USA). Arrange the devices individually in autoclavable bags (according to EN ISO 11607-1; 11607-2) or place the devices on the surgical tray or, if applicable, in their container, and wrap the material in bags (according to EN ISO 11607-1; 11607-2) and heat seal them (carefully refer to the bag manufacturer's instructions).

12. Never leave instruments wet or damp, and do not store them in this state (see document CLEANING_KLOCKNER for more information on inspection and packaging).

13. The devices can be steam sterilized in an autoclave validated according to EN ISO 17665-1 at (134-137°C) for 4 min. -0/+5 sec. with pre-vacuum (3 times < 100 mbar) and 16 min. ± 5 sec. drying time in the autoclave chamber. For this, remove them from the initial packaging and place them in autoclavable bags.

14. Do not remove the material from the autoclave until the sterilization process has come to a complete stop. Use a drying option if the autoclave has one because the storage of wet material can cause corrosion.

15. However, do not store neither wet nor dry sterilized material to avoid any kind of corrosion or alteration of the product. Always sterilize before use if the devices are going to be used immediately.

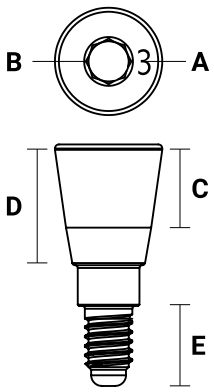
DURING THE INTERVENTION, IT IS ADVISABLE TO IMMERSE ALREADY-USED AND CONTAMINATED INSTRUMENTS IN A DETERGENT SOLUTION TO PREVENT RESIDUES FROM BECOMING ENCRUSTED.

COVER SCREWS · HEALING ABUTMENTS · PROTECTIVE CAP

The use of cover screws, titanium healing abutments and/or protective caps is recommended as part of the KLOCKNER® VEGA® and VEGA®+ surgical system for the purposes of protecting the interior of the implant or abutment and managing tissue healing as conveniently as possible in each individual case.

The cover screws seal the inside of the implant without protruding from the shoulder of the implant. They are ideal when seeking submucosal healing. They are indicated for implant treatments with two-stage surgical procedures or when bone regeneration procedures are applied.

Titanium healing abutments come in various heights and diameters. These are used to direct healing of the soft tissue surrounding the implants, ensuring conical emergence around the implant. The choice of device will depend on the characteristics of the tissue surrounding the implants as well as the objectives sought with their use.



A · IDENTIFICATION NUMBER
B · CONNECTION
C · CONICAL EMERGENCE
D · TRANSMUCOSAL LENGTH
E · ATTACHMENT

It is advisable to place scover screws and healing abutments manually. Cover screws, healing abutments and protective caps should be sterilised prior to use and are not reusable. The correct maintenance of adaptors for use as carriers is crucial. Failure to secure the instruments in the mouth can lead to loosening in the oral cavity and accidental swallowing or aspiration of same.

KLOCKNER®

COVER SCREW
MV

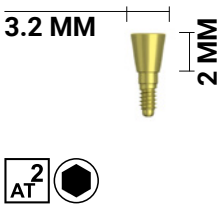
18 05 41 VEGA® MV COVER SCREW

18 05 41

TITANIUM HEALING ABUTMENTS
MV

18 05 42 VEGA® MV TITANIUM HEALING ABUTMENT [Ø3.2 x 2.0MM]
18 05 43 VEGA® MV TITANIUM HEALING ABUTMENT [Ø3.2 x 3.0MM]
18 05 44 VEGA® MV TITANIUM HEALING ABUTMENT [Ø3.2 x 5.0MM]
18 05 45 VEGA® MV TITANIUM HEALING ABUTMENT [Ø3.2 x 8.0MM]

18 05 42



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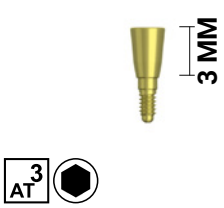

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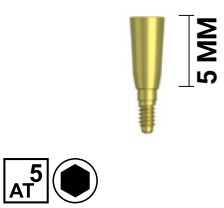

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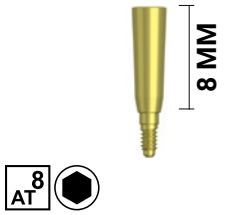
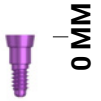


COVER SCREW

NV

18 05 01 VEGA® NV COVER SCREW

18 05 01

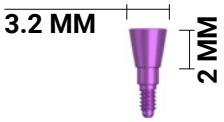


TITANIUM HEALING ABUTMENTS

NV

18 05 02 VEGA® NV TITANIUM HEALING ABUTMENT [Ø3.5 x 2.0MM]
18 05 03 VEGA® NV TITANIUM HEALING ABUTMENT [Ø3.5 x 3.0MM]
18 05 04 VEGA® NV TITANIUM HEALING ABUTMENT [Ø3.5 x 5.0MM]
18 05 08 VEGA® NV TITANIUM HEALING ABUTMENT [Ø3.5 x 8.0MM]
18 05 05 VEGA® NV TITANIUM HEALING ABUTMENT [Ø4.9 x 2.0MM]
18 05 06 VEGA® NV TITANIUM HEALING ABUTMENT [Ø4.9 x 3.0MM]
18 05 07 VEGA® NV TITANIUM HEALING ABUTMENT [Ø4.9 x 5.0MM]

18 05 02



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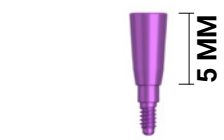

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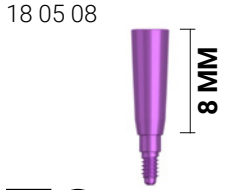

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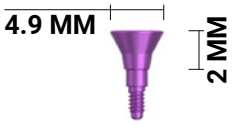

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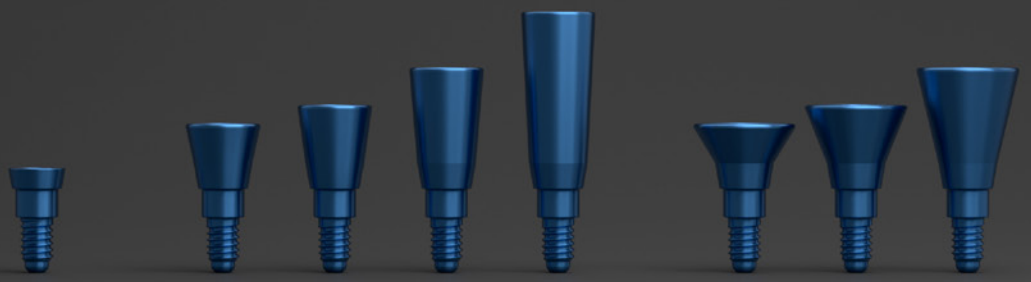
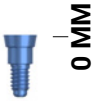


COVER SCREW

RV

18 05 21 VEGA® RV COVER SCREW

18 05 21

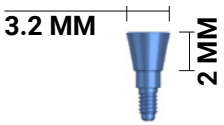


TITANIUM HEALING ABUTMENT

RV

18 05 22 VEGA® RV TITANIUM HEALING ABUTMENT [Ø4.0 x 2.0MM]
18 05 23 VEGA® RV TITANIUM HEALING ABUTMENT [Ø4.0 x 3.0MM]
18 05 24 VEGA® RV TITANIUM HEALING ABUTMENT [Ø4.0 x 5.0MM]
18 05 28 VEGA® RV TITANIUM HEALING ABUTMENT [Ø4.0 x 8.0MM]
18 05 25 VEGA® RV TITANIUM HEALING ABUTMENT [Ø5.5 x 2.0MM]
18 05 26 VEGA® RV TITANIUM HEALING ABUTMENT [Ø5.5 x 3.0MM]
18 05 27 VEGA® RV TITANIUM HEALING ABUTMENT [Ø5.5 x 5.0MM]

18 05 22



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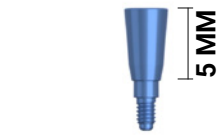

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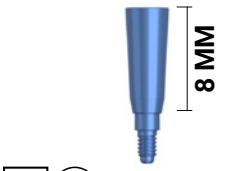

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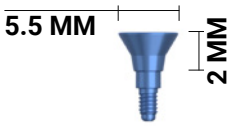

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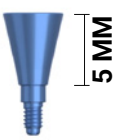


COVER SCREW · HEALING ABUTMENT· CIRCULAR ABUTMENT

The MIMETIC® line of solutions offers a prosthetic solution for the VEGA® and VEGA®+ line of implants, providing special attention to the continuity of the emergency profile from the surgical phase with the use of the healing abutment titanium or the provisional abutment until the final prosthesis with the titanium base is completed. The MIMETIC® line devices represent a solution for different transmucosal heights (1, 2 and 3 mm.).

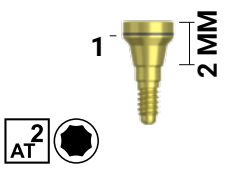
For the correct use of the MIMETIC® line solutions it is important to follow the correct compatibility between devices. To consult this compatibility see the instructions for use at ifu.klockner.dental.

For more information, consult the MV, NV or RV prosthetic system catalog.

PLATFORM MV
HEALING ABUTMENT MIMETIC®

18 14 01 VEGA® MV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 2.0MM]
18 14 02 VEGA® MV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 3.0MM]
18 14 03 VEGA® MV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 5.0MM]

18 14 01



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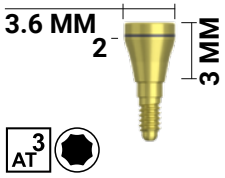

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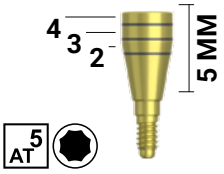
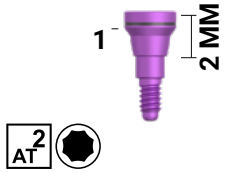


PLATFORM NV
HEALING ABUTMENT MIMETIC®

18 14 04 VEGA® NV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 2.0MM]
18 14 05 VEGA® NV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 3.0MM]
18 14 06 VEGA® NV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 5.0MM]

18 14 04



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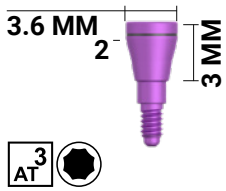

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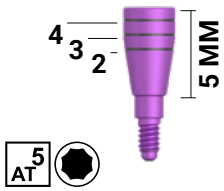
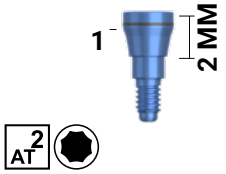


PLATFORM RV
HEALING ABUTMENT MIMETIC®

18 14 07 VEGA® RV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 2.0MM]
18 14 08 VEGA® RV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 3.0MM]
18 14 09 VEGA® RV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 5.0MM]

18 14 07



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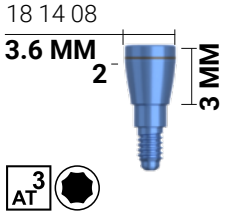

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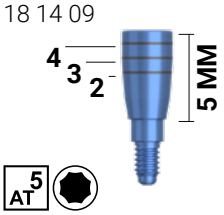
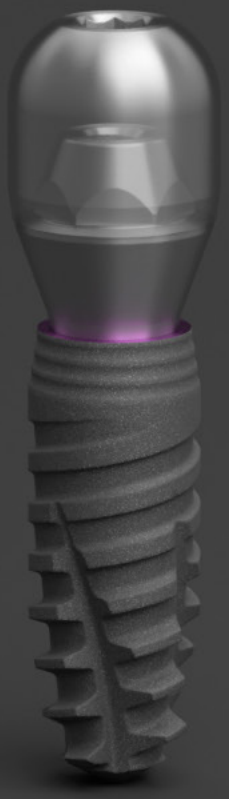


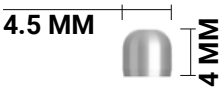


KLOCKNER®

PROTECTIVE CAP
NV · RV

18 05 13 PROTECTIVE CAP VEGA® PERMANENT® ABUTMENT [4.0MM]

18 05 13



Titanium protective caps are used to protect PERMANENT® abutments once placed in their final position and where removal will not be required. They protect both the abutment and screw entry from dental plaque and keep food debris out whilst avoiding soft tissue growth around the implant-abutment assembly, ensuring easy access for the subsequent insertion of the prosthesis or structure.

Only PERMANENT® abutments should be used.

LIST OF REFERENCES

VEGA®

IMPLANTS

18 30 08	VEGA® MV IMPLANT Ø3.0 X 08MM
18 30 10	VEGA® MV IMPLANT Ø3.0 X 10MM
18 30 12	VEGA® MV IMPLANT Ø3.0 X 12MM
18 30 14	VEGA® MV IMPLANT Ø3.0 X 14MM
18 35 08	VEGA® NV IMPLANT Ø3.5 X 08MM
18 35 10	VEGA® NV IMPLANT Ø3.5 X 10MM
18 35 12	VEGA® NV IMPLANT Ø3.5 X 12MM
18 35 14	VEGA® NV IMPLANT Ø3.5 X 14MM
18 35 16	VEGA® NV IMPLANT Ø3.5 X 16MM
18 35 18	VEGA® NV IMPLANT Ø3.5 X 18MM
18 40 08	VEGA® RV IMPLANT Ø4.0 X 08MM
18 40 10	VEGA® RV IMPLANT Ø4.0 X 10MM
18 40 12	VEGA® RV IMPLANT Ø4.0 X 12MM
18 40 14	VEGA® RV IMPLANT Ø4.0 X 14MM
18 40 16	VEGA® RV IMPLANT Ø4.0 X 16MM
18 40 18	VEGA® RV IMPLANT Ø4.0 X 18MM
18 45 08	VEGA® RV IMPLANT Ø4.5 X 08MM
18 45 10	VEGA® RV IMPLANT Ø4.5 X 10MM
18 45 12	VEGA® RV IMPLANT Ø4.5 X 12MM
18 45 14	VEGA® RV IMPLANT Ø4.5 X 14MM

VEGA®+

IMPLANTS

19 31 08	VEGA®+ MV IMPLANT Ø3.1 X 08MM
19 31 10	VEGA®+ MV IMPLANT Ø3.1 X 10MM
19 31 12	VEGA®+ MV IMPLANT Ø3.1 X 12MM
19 31 14	VEGA®+ MV IMPLANT Ø3.1 X 14MM
19 36 08	VEGA®+ NV IMPLANT Ø3.6 X 08MM
19 36 10	VEGA®+ NV IMPLANT Ø3.6 X 10MM
19 36 12	VEGA®+ NV IMPLANT Ø3.6 X 12MM
19 36 14	VEGA®+ NV IMPLANT Ø3.6 X 14MM
19 36 16	VEGA®+ NV IMPLANT Ø3.6 X 16MM
19 36 18	VEGA®+ NV IMPLANT Ø3.6 X 18MM
19 41 08	VEGA®+ RV IMPLANT Ø4.1 X 08MM
19 41 10	VEGA®+ RV IMPLANT Ø4.1 X 10MM
19 41 12	VEGA®+ RV IMPLANT Ø4.1 X 12MM
19 41 14	VEGA®+ RV IMPLANT Ø4.1 X 14MM
19 41 16	VEGA®+ RV IMPLANT Ø4.1 X 16MM
19 41 18	VEGA®+ RV IMPLANT Ø4.1 X 18MM
19 46 08	VEGA®+ RV IMPLANT Ø4.6 X 08MM
19 46 10	VEGA®+ RV IMPLANT Ø4.6 X 10MM
19 46 12	VEGA®+ RV IMPLANT Ø4.6 X 12MM
19 46 14	VEGA®+ RV IMPLANT Ø4.6 X 14MM

VEGA® CONTACTi®

IMPLANTS

18 35 08 C-TI	VEGA® NV CONTACTI® IMPLANT Ø3.5 X 08MM
18 35 10 C-TI	VEGA® NV CONTACTI® IMPLANT Ø3.5 X 10MM
18 35 12 C-TI	VEGA® NV CONTACTI® IMPLANT Ø3.5 X 12MM
18 35 14 C-TI	VEGA® NV CONTACTI® IMPLANT Ø3.5 X 14MM
18 35 16 C-TI	VEGA® NV CONTACTI® IMPLANT Ø3.5 X 16MM
18 35 18 C-TI	VEGA® NV CONTACTI® IMPLANT Ø3.5 X 18MM
18 40 08 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.0 X 08MM
18 40 10 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.0 X 10MM
18 40 12 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.0 X 12MM
18 40 14 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.0 X 14MM
18 40 16 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.0 X 16MM
18 40 18 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.0 X 18MM
18 45 08 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.5 X 08MM
18 45 10 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.5 X 10MM
18 45 12 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.5 X 12MM
18 45 14 C-TI	VEGA® RV CONTACTI® IMPLANT Ø4.5 X 14MM

VEGA®+ CONTACTi®

IMPLANTS

19 36 08 C-TI	VEGA®+ NV CONTACTI® IMPLANT Ø3.6 X 08MM
19 36 10 C-TI	VEGA®+ NV CONTACTI® IMPLANT Ø3.6 X 10MM
19 36 12 C-TI	VEGA®+ NV CONTACTI® IMPLANT Ø3.6 X 12MM
19 36 14 C-TI	VEGA®+ NV CONTACTI® IMPLANT Ø3.6 X 14MM
19 36 16 C-TI	VEGA®+ NV CONTACTI® IMPLANT Ø3.6 X 16MM
19 36 18 C-TI	VEGA®+ NV CONTACTI® IMPLANT Ø3.6 X 18MM
19 41 08 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.1 X 08MM
19 41 10 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.1 X 10MM
19 41 12 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.1 X 12MM
19 41 14 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.1 X 14MM
19 41 16 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.1 X 16MM
19 41 18 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.1 X 18MM
19 46 08 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.6 X 08MM
19 46 10 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.6 X 10MM
19 46 12 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.6 X 12MM
19 46 14 C-TI	VEGA®+ RV CONTACTI® IMPLANT Ø4.6 X 14MM

SURGICAL BOX

KIT WT VEGA	SURGICAL BOX KIT VEGA® [WT]

PTERYGOMAXILLARY

KIT 10 00 06	PTERIGOMAXILAR KIT

DRILLS

LANCEOLATE DRILLS

10 02 01 T LANCEOLATE DRILL [DS]
10 02 01 LT LONG LANCEOLATE DRILL [DS]

10 02 31 LANCEOLATE DRILL [PTM]

STARTUP DRILLS

10 02 02 T PILOT DRILL Ø1.8-2.35MM [DS]
10 02 02 LT LONG PILOT DRILL Ø1.8-2.35MM[DS]

10 02 03 T PILOT DRILL Ø2.8MM [TP]
10 02 03 LT LONG PILOT DRILL Ø2.8MM [TP]

10 02 32 PILOT DRILL Ø1.8-2.35MM [PTM]
10 02 33 PILOT DRILL Ø2.8MM [PTM]

STRAIGHT DRILLS

10 02 05 T DRILL Ø3.3MM [DS]
10 02 05 LT LONG DRILL Ø3.3MM [DS]

10 02 06 T DRILL Ø3.6MM [DS]
10 02 06 LT LONG DRILL Ø3.6MM [DS]

10 02 09 T DRILL Ø4.1MM [DS]
10 02 09 LT LONG DRILL Ø4.1MM [DS]

10 02 34 DRILL Ø3.3MM [PTM]
10 02 35 DRILL Ø3.6MM [PTM]

COUNTERSINK DRILLS

18 02 07 COUNTERSINK DRILL Ø3.0MM
18 02 04 COUNTERSINK DRILL Ø3.5MM
18 02 05 COUNTERSINK DRILL Ø4.0MM
18 02 06 COUNTERSINK DRILL Ø4.5MM

DRILL EXTENSION

10 06 09 DRILL EXTENSION

DRILL STOPS

KIT 10 00 02 DRILL STOPS KIT

21 02 01 DRILL STOP 06 MM DRILL Ø2.35-Ø2.8MM
21 02 02 DRILL STOP 08 MM DRILL Ø2.35-Ø2.8MM
21 02 03 DRILL STOP 10 MM DRILL Ø2.35-Ø2.8MM
21 02 04 DRILL STOP 12 MM DRILL Ø2.35-Ø2.8MM
21 02 05 DRILL STOP 14 MM DRILL Ø2.35-Ø2.8MM

21 02 06 DRILL STOP 06 MM DRILL Ø3.3MM
21 02 07 DRILL STOP 08 MM DRILL Ø3.3MM
21 02 08 DRILL STOP 10 MM DRILL Ø3.3MM
21 02 09 DRILL STOP 12 MM DRILL Ø3.3MM
21 02 10 DRILL STOP 14 MM DRILL Ø3.3MM

21 02 11 DRILL STOP 06 MM DRILL Ø3.6MM
21 02 12 DRILL STOP 08 MM DRILL Ø3.6MM
21 02 13 DRILL STOP 10 MM DRILL Ø3.6MM
21 02 14 DRILL STOP 12 MM DRILL Ø3.6MM
21 02 15 DRILL STOP 14 MM DRILL Ø3.6MM

21 02 16 DRILL STOP 06 MM DRILL Ø4.2-Ø4.5MM
21 02 17 DRILL STOP 08 MM DRILL Ø4.2-Ø4.5MM
21 02 18 DRILL STOP 10 MM DRILL Ø4.2-Ø4.5MM
21 02 19 DRILL STOP 12 MM DRILL Ø4.2-Ø4.5MM
21 02 20 DRILL STOP 14 MM DRILL Ø4.2-Ø4.5MM

21 02 21 DRILL STOP 06 MM DRILL Ø4.1MM
21 02 22 DRILL STOP 08 MM DRILL Ø4.1MM
21 02 23 DRILL STOP 10 MM DRILL Ø4.1MM
21 02 24 DRILL STOP 12 MM DRILL Ø4.1MM
21 02 25 DRILL STOP 14 MM DRILL Ø4.1MM

21 02 26 DRILL STOP 06 MM DRILL Ø3.3MM
21 02 27 DRILL STOP 08 MM DRILL Ø3.3MM
21 02 28 DRILL STOP 10 MM DRILL Ø3.3MM
21 02 29 DRILL STOP 12 MM DRILL Ø3.3MM
21 02 30 DRILL STOP 14 MM DRILL Ø3.3MM

21 02 31 DRILL STOP 06 MM DRILL Ø3.6MM
21 02 32 DRILL STOP 08 MM DRILL Ø3.6MM
21 02 33 DRILL STOP 10 MM DRILL Ø3.6MM
21 02 34 DRILL STOP 12 MM DRILL Ø3.6MM
21 02 35 DRILL STOP 14 MM DRILL Ø3.6MM

PARALLELING DEVICE

10 06 05 PARALLELING DEVICE

GAUGES

18 06 05 GAUGE [Ø3.0MM]
10 06 12 GAUGE [Ø3.5MM]
10 06 13 GAUGE [Ø4.0MM]
10 06 14 GAUGE [Ø4.5MM]

BONE TAPS

18 03 01 BONE TAP Ø3.0MM [YELLOW]
10 03 01 BONE TAP Ø3.5MM [RED]
10 03 02 BONE TAP Ø4.0MM [BLUE]
10 03 04 BONE TAP Ø4.5MM [BLACK]

EXPANDERS

KIT 10 00 03 EXPANDER KIT

10 04 01 BONE EXPANDER [WHITE]
10 04 02 BONE EXPANDER [YELLOW]
10 04 03 BONE EXPANDER [RED]
10 04 04 BONE EXPANDER [BLUE]
10 04 05 BONE EXPANDER [GREEN]
10 04 06 BONE EXPANDER [BLACK]

TISSUE PUNCHES

18 06 01 TISSUE PUNCH Ø2.8MM [VEGA® MV]
18 06 02 TISSUE PUNCH Ø3.3MM [VEGA® NV]
18 06 03 TISSUE PUNCH Ø3.6MM [VEGA® RV]
18 06 04 TISSUE PUNCH Ø4.1MM [VEGA® RV]

REGENERATION

KIT 10 00 04 REGENERATION KIT

MQ-8042 PIN CARRIER
MQ-8042 L PIN CARRIER LARGE
3001 TITANIUM PIN (10 UNITS)
3002 SHORT TITANIUM PIN (10 UNITS)

WRENCHES AND ADAPTERS

JDTWKLF	JDTORQUE® RATCHET WRENCH
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 EXTRA LONG SCREWDRIVER FOR TORQUE WRENCH
10 07 02	EC-VEGA® RATCHET WRENCH
10 07 02 L	EC-VEGA® LONG RATCHET WRENCH
10 07 02 XL	EC-VEGA® EXTRA LONG RATCHET WRENCH
18 07 24	VEGA® MV SHORT WRENCH FOR TORQUE WRENCH
18 07 25	VEGA® MV LONG WRENCH FOR TORQUE WRENCH
18 07 26	VEGA® MV EXTRA LONG WRENCH FOR TORQUE WRENCH
18 07 04	VEGA® NV SHORT WRENCH FOR TORQUE WRENCH
18 07 05	VEGA® NV LONG WRENCH FOR TORQUE WRENCH
18 07 06	VEGA® NV EXTRA LONG WRENCH FOR TORQUE WRENCH
18 07 14	VEGA® RV SHORT WRENCH FOR TORQUE WRENCH
18 07 15	VEGA® RV LONG WRENCH FOR TORQUE WRENCH
18 07 16	VEGA® RV EXTRA LONG WRENCH FOR TORQUE WRENCH
18 07 30	VEGA® PERMANENT® ABUTMENT WRENCH [M]
18 07 31	VEGA® PERMANENT® ABUTMENT WRENCH [U]
10 08 08	EC-VEGA® STAR CONTRA-ANGLE SCREWDRIVER
50 08 06	VEGA®-KL HEXAGONAL 1.2MM CONTRA-ANGLE SCREWDRIVER
10 07 04	EC CONTRA-ANGLE WRENCH
10 07 04 L	EC LONG CONTRA-ANGLED WRENCH
18 07 21	VEGA® MV SHORT WRENCH CONTRA-ANGLE
18 07 22	VEGA® MV LONG WRENCH CONTRA-ANGLE
18 07 23	VEGA® MV EXTRA LONG WRENCH CONTRA-ANGLE
18 07 01	VEGA® NV SHORT WRENCH CONTRA-ANGLE
18 07 02	VEGA® NV LONG WRENCH CONTRA-ANGLE
18 07 03	VEGA® NV EXTRA LONG WRENCH CONTRA-ANGLE
18 07 11	VEGA® RV SHORT WRENCH CONTRA-ANGLE
18 07 12	VEGA® RV LONG WRENCH CONTRA-ANGLE
18 07 13	VEGA® RV EXTRA LONG WRENCH CONTRA-ANGLE

COVER SCREW · HEALING ABUTMENTS · PROTECTIVE CAP

MV SERIES

18 05 41	VEGA® MV COVER SCREW
18 05 42	VEGA® MV TITANIUM HEALING ABUTMENT [Ø3.2 x 2.0MM]
18 05 43	VEGA® MV TITANIUM HEALING ABUTMENT [Ø3.2 x 3.0MM]
18 05 44	VEGA® MV TITANIUM HEALING ABUTMENT [Ø3.2 x 5.0MM]
18 05 45	VEGA® MV TITANIUM HEALING ABUTMENT [Ø3.2 x 8.0MM]

NV SERIES

18 05 01 VEGA® NV COVER SCREW

18 05 02 VEGA® NV TITANIUM HEALING ABUTMENT [Ø3.5 x 2.0MM]
18 05 03 VEGA® NV TITANIUM HEALING ABUTMENT [Ø3.5 x 3.0MM]
18 05 04 VEGA® NV TITANIUM HEALING ABUTMENT [Ø3.5 x 5.0MM]
18 05 08 VEGA® NV TITANIUM HEALING ABUTMENT [Ø3.5 x 8.0MM]

18 05 05 VEGA® NV TITANIUM HEALING ABUTMENT [Ø4.9 x 2.0MM]
18 05 06 VEGA® NV TITANIUM HEALING ABUTMENT [Ø4.9 x 3.0MM]
18 05 07 VEGA® NV TITANIUM HEALING ABUTMENT [Ø4.9 x 5.0MM]

RV SERIES

18 05 21 VEGA® RV COVER SCREW

18 05 22 VEGA® RV TITANIUM HEALING ABUTMENT [Ø4.0 x 2.0MM]
18 05 23 VEGA® RV TITANIUM HEALING ABUTMENT [Ø4.0 x 3.0MM]
18 05 24 VEGA® RV TITANIUM HEALING ABUTMENT [Ø4.0 x 5.0MM]
18 05 28 VEGA® RV TITANIUM HEALING ABUTMENT [Ø4.0 x 8.0MM]

18 05 25 VEGA® RV TITANIUM HEALING ABUTMENT [Ø5.5 x 2.0MM]
18 05 26 VEGA® RV TITANIUM HEALING ABUTMENT [Ø5.5 x 3.0MM]
18 05 27 VEGA® RV TITANIUM HEALING ABUTMENT [Ø5.5 x 5.0MM]

PERMANENT® NV · RV

18 05 13 VEGA® PERMANENT* ABUTMENT PROTECTIVE CAP [4.0MM]

MIMETIC®

18 14 01 VEGA® MV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 2.0MM]
18 14 02 VEGA® MV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 3.0MM]
18 14 03 VEGA® MV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 5.0MM]

18 14 04 VEGA® NV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 2.0MM]
18 14 05 VEGA® NV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 3.0MM]
18 14 06 VEGA® NV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 5.0MM]

18 14 07 VEGA® RV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 2.0MM]
18 14 08 VEGA® RV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 3.0MM]
18 14 09 VEGA® RV MIMETIC® TITANIUM HEALING ABUTMENT [Ø3.6 x 5.0MM]

SYMBOLS AND NOTES

IN

OUT

POSITION

REMOVE

STAR TIP

HEXAGONAL POINT

AT2 TRANSMUCOSAL HEIGHT 2.0 MM

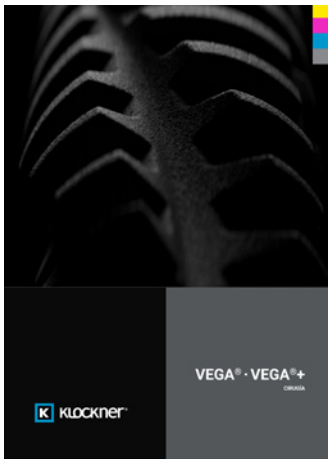
AT3 TRANSMUCOSAL HEIGHT 3.0 MM

AT4 TRANSMUCOSAL HEIGHT 4.0 MM

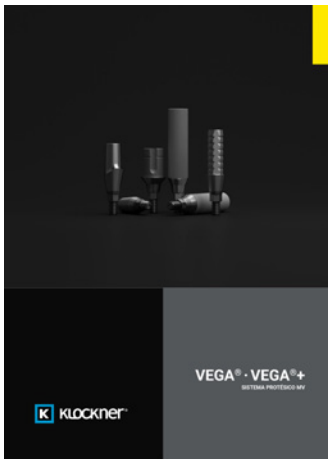
AT5 TRANSMUCOSAL HEIGHT 5.0 MM

AT8 TRANSMUCOSAL HEIGHT 8.0 MM

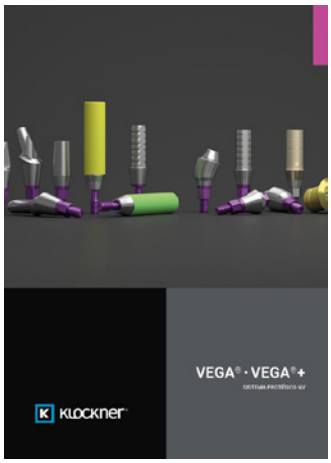
VEGA_IM_KLOCKNER_EN
VEGA® · VEGA®+ IMPLANTS



VEGA_SU_KLOCKNER_EN
VEGA® · VEGA®+ SURGERY



VEGA_MV_KLOCKNER_EN
VEGA® · VEGA®+
MV PROSTHETIC SYSTEM



VEGA_NV_KLOCKNER_EN
VEGA® · VEGA®+
NV PROSTHETIC SYSTEM

VEGA_RV_KLOCKNER_EN
VEGA® · VEGA®+
RV PROSTHETIC SYSTEM

KLOCKNER®

Freedom is not fixed

KLOCKNER®

All KLOCKNER® IMPLANT SYSTEM products follow the laws and regulations applicable to medical devices, such as: European new regulation MDR 2017/745 · US FDA 21 CFR Part 820 Regulations · EN ISO 13485 Quality Standards and other applicable standards and regulations.

VEGA_SU_KLOCKNER_EN_V07

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