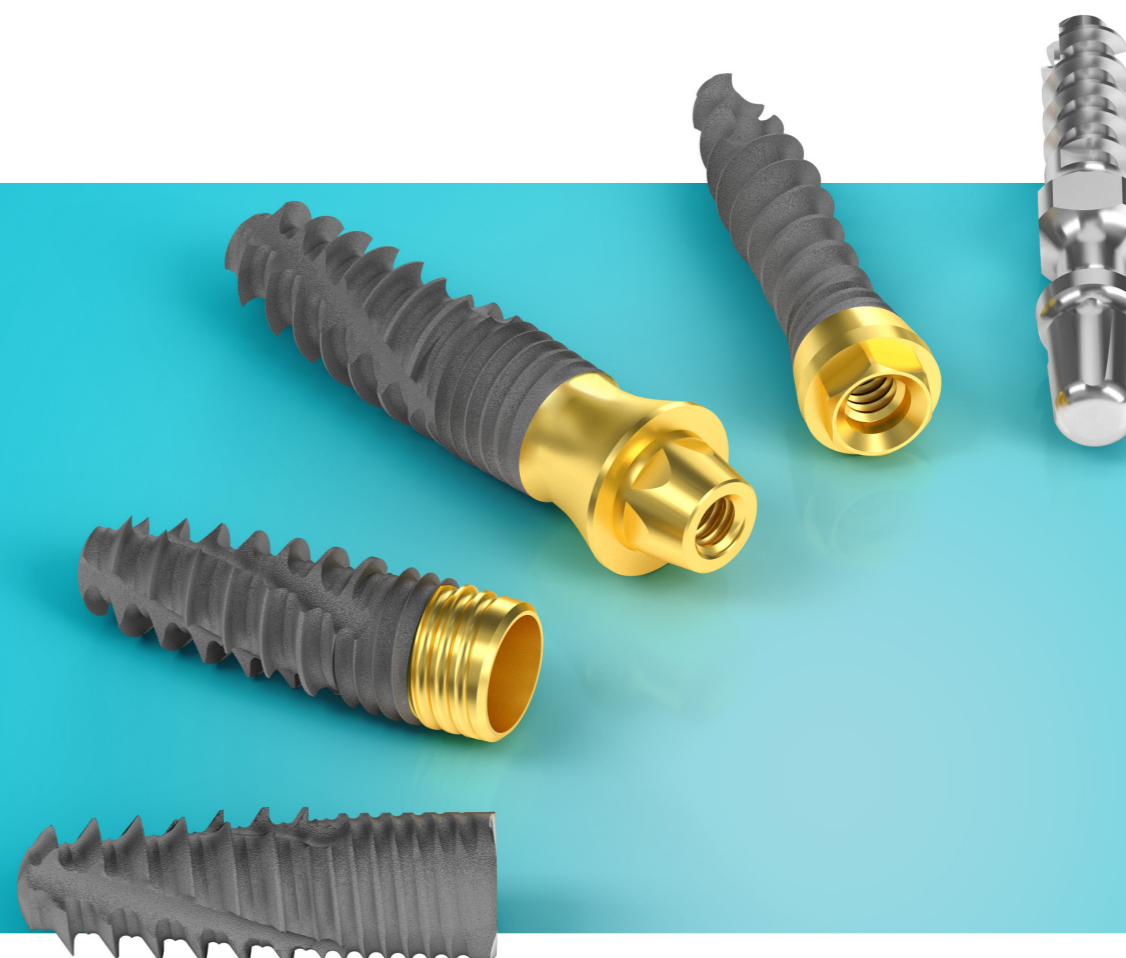
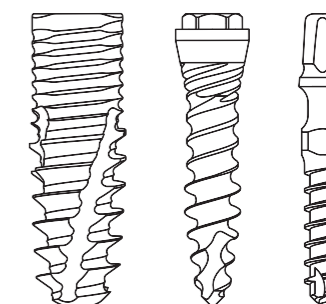


CORTILOG

Implant system



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K-MD07-020-v02-250416-EN

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About the company

Bionika Medline Kft. was established in 1989 by private individuals as a family-owned Hungarian company. We have 35 years of experience in the development, production and trade of medical instruments and implants in dentistry, oral surgery, traumatology, orthopedics and rehabilitation.

In accordance with our goals and approach, we attach great importance to the word „BIONIKA“ (Bionics in English), which marks a form of scientific thinking at the boundaries of biology, technology and electronics, which combines these three areas in our research and development activities.

Our company strives to raise wide awareness in Hungary not only about its own products, but also of the state-of-the-art products of our innovative foreign partners. After the insertion of the implant, BIONIKA assumes the risk of the ossification process, regardless of the cause-and-effect relationship, and provides an exchange guarantee within one year of purchase. In addition, we provide a long-term, 10-year guarantee for our products.

Clinical and technological experiences: We continuously process, integrate and exploit accumulated clinical and technological experience in our development activities.

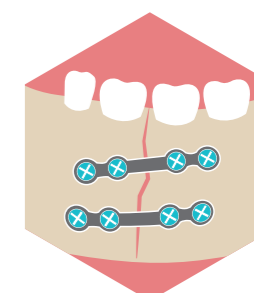
Development: Our products are developed in collaboration with doctors and engineers. We manufacture custom-made components based on provided samples.

Quality: The quality of the products expected by our customers is guaranteed by design, manufacturing and quality management according to the harmonized European Union laws. The BIONIKA Medline Kft. is operated according to the EN ISO 9001 and the EN ISO 13485 quality management system. Our products are provided with CE marks.

Guarantee: After inserting the implant - the risk of the ossification process is assumed by BIONIKA, independently of cause and effect relationship – exchange guarantee is ensured within one year after the purchase. Otherwise, we provide a long-term, 10-year guarantee for our products.



DENTISTRY



ORAL SURGERY



TRAUMATOLOGY



ORTHOPEDICS

Technology

BIONIKA Medline Kft. has more than 35 years of experience in the development and production of dental implants, dental insertion instruments and stomatological parts. During this time more than 40 types of implant systems have been developed and are being manufactured to date, including insertion instruments.

The company has developed some of these products for its own distribution, according to its own market needs. Other systems are developed and manufactured on demand, mainly for foreign markets, in collaboration with independent groups of doctors (these are marketed by the customer under their own brand name.)

Our partners can choose from approximately 20,000 different parts of different sizes and shapes. Our manufacturing technology is flexible, we can quickly move from one component to another, and we are able to fulfill thousands of orders with a short lead time.

This area requires high precision production (in some cases) it is necessary to hold 2-5µm tolerances). We carry out all the technological

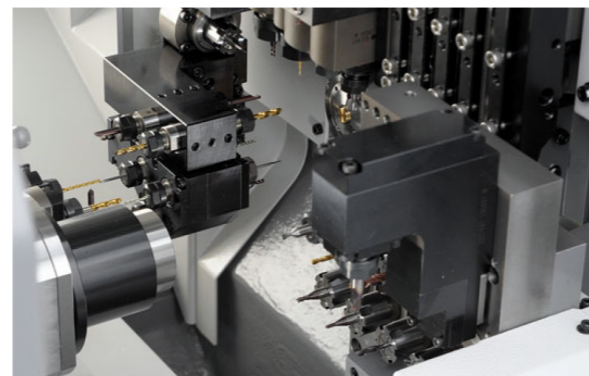
operations from production, through surface design, to packaging. Our products are CE marked and the manufacturing process is carried out under a strict quality management system.

Biocompatible materials are the most important raw materials for dental, oral surgery, traumatology and orthopedic medical implants.

As they require relatively small series, often customised solutions, they require fast programmable CNC machining technology. Accordingly, we have CNC machining centres with tool changers and Swiss-type longitudinal lathes. For the machining of more complex surfaces, we use an industrial 5-axis CNC centre with CAD-CAM support. Our machines are equipped not only with fixed, but also with driven cutting tool units for more complex geometrical machining. As additional technology, we also have sandblasting, polishing, titanium colouring and sterilisation equipment.

The production of custom prosthetic components for dental applications is supported by the BIONIKA Milling center.

Our Partners



Quality management and guarantee

Product quality is guaranteed by design, manufacturing and quality management in accordance with harmonised European Union legislation. BIONIKA Medline Kft. operates according to the EN ISO 9001 and the EN ISO 13485 quality management system. Our products are CE marked and certified by EMKI and QT-CERT.

We offer a long-term guarantee of 10 years on the products we manufacture. After implant insertion - to reduce the medical risk of ossification - we offer an immediate replacement guarantee for our ejected by body implants within one year of purchase, regardless of cause and effect.



BIONIKA Medline Ltd. has always paid special attention to quality and reliability during its more than 35 years of existence. The Dun&Bradstreet certificate testifies to the reliability and stability of our company. BIONIKA has been awarded the „Triple A” D&B certification every year between 2016 and 2023.

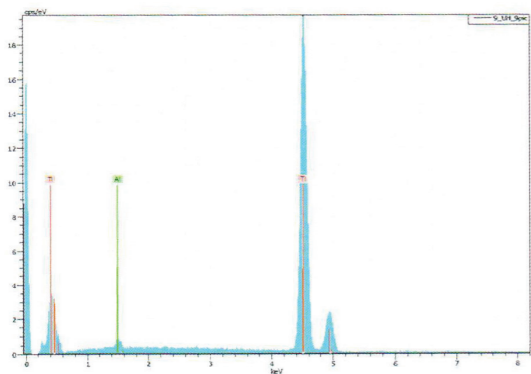
Only 0.63 % of companies in Hungary have an AAA (triple A) rating, with whom the financial risk of establishing a business relationship is extremely low - source: dnb.hu

Superclean implant surface

The Grade 4 titanium used in the manufacture of BIONIKA implants, in accordance with ISO 5832-2ASTMF67, shows the most favourable properties for dental implantology.

Due to its high purity, it has excellent biocompatibility and excellent strength properties. Initially we and many other implant companies preferred higher purity titanium, but for strength reasons almost all implants in the world are now made from Grade 4 or other alloyed titanium.

For all implant system abutments, we use alloyed, highstrength Grade 5 titanium in accordance with ISO 5832-3 ASTM F136. Titanium used according to this standard has excellent biocompatibility and is therefore virtually risk-free. Almost all professionals recognise that the success of an implantation is mainly determined by the professionalism of the implantologist, the surgical conditions, the hygiene of the implant and the patient's capabilities.



Energy dispersive X-ray spectrometric elemental analysis of Bionika implants*

* Source: FOGORVOSI SZEMLE, year 106. No. 4 2013. 135-143

The main steps of our BioTiS surface finish technology:

- Chemical, mechanical surface cleaning and surface dewing
- Special ultrasonic washing, surface cleaning and sterilization
- Surface texture modification by acidification
- Multi-stage deacidification, cleaning
- Electrochemical surface modification
- Germicidal treatment
- Surface treatment in physiological solution

These technological steps are always carried out under sterile conditions. The final packaging of the implants is in four layers. Packaging is done in a sterile cabinet. Final sterility is ensured by an accredited 20 Rad gamma sterilisation process.

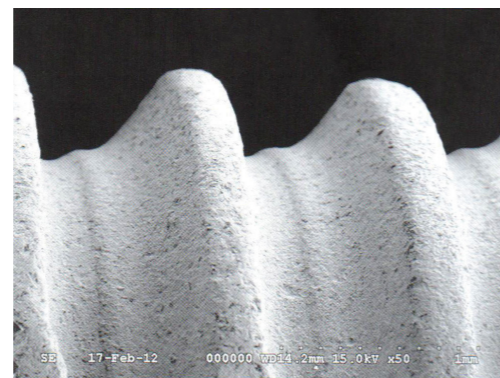


Image of Bionika implant under electron microscope *



Image of Bionika implant under electron microscope *

Applied raw materials



Titanium grade 4

Chemical composition

Elements	Threshold limit of constituents(%)
O	0.4 max.
Fe	0.3 max.
C	0.1 max.
N	0.05 max.
H	0.0125 max.
Ti	>99% / balance

Titanium Grade 5

Chemical composition

Elements	Threshold limit of constituents(%)
Al	5.5-6.75 max.
V	3.5-4.5 max.
Fe	0.3 max.
O	0.2 max.
C	0.08 max.
N	0.05 max.
H	0.015 max.
Ti	balance

CoCr

Chemical composition

Elements	Threshold limit of constituents(%)
C	0.1 max.
Si	1.0 max.
Mn	1.0 max.
P	0.005 max.
S	0.005 max.
Cr	30.0 max.
Mo	7.0 max.
Ni	1.0 max.
Co	-
N	0.2250 max.

Plastics

POM (polyoxymethylene) : Thermoplastic synthetic plastic, Excellent properties eg: high hardness, low wear, good flexibility, little absorbing ability. Density: 1.41 g / cm³. elongation at break: min. 30% Current Voltage: min. 65 Mpa. Its color is white.

PEEK (polyether ether ketone) : High heat-resistant plastic, suitable for all conventional sterilization methods (steam, dry heat, ethylene oxide, gamma radiation). Density: 1.30 1.41 g / cm³ Tensile strength: 115 Mpa. elongation at break: min. 17% Its colour is natural brownish gray.

Mechanical properties

solidity	680 MPa min.
dilation	10%

According to the **ISO 5832-2** standard.

Mechanical properties

solidity	860 MPa min.
dilation	10%

According to the **ISO 5832-3** standard.

Mechanical properties

solidity	1240.00 MPa min.
elongation limit	900.00 min.
elongation at break	18.00 min.
fracture contraction	23.00 min.

According to the **ISO 5832-12** standard.

CORTILOG packaging



BULK BOX

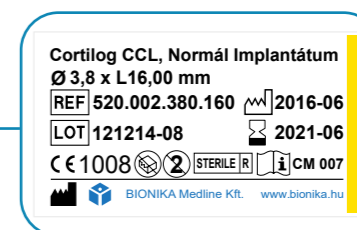
Depending on the order quantities, collection boxes with 5 and 10 pieces are applied.

CORTILOG packaging



VIAL

The first layer of packaging is a transparent vial. It provides complete germ-free sterility.



PAPER BOX

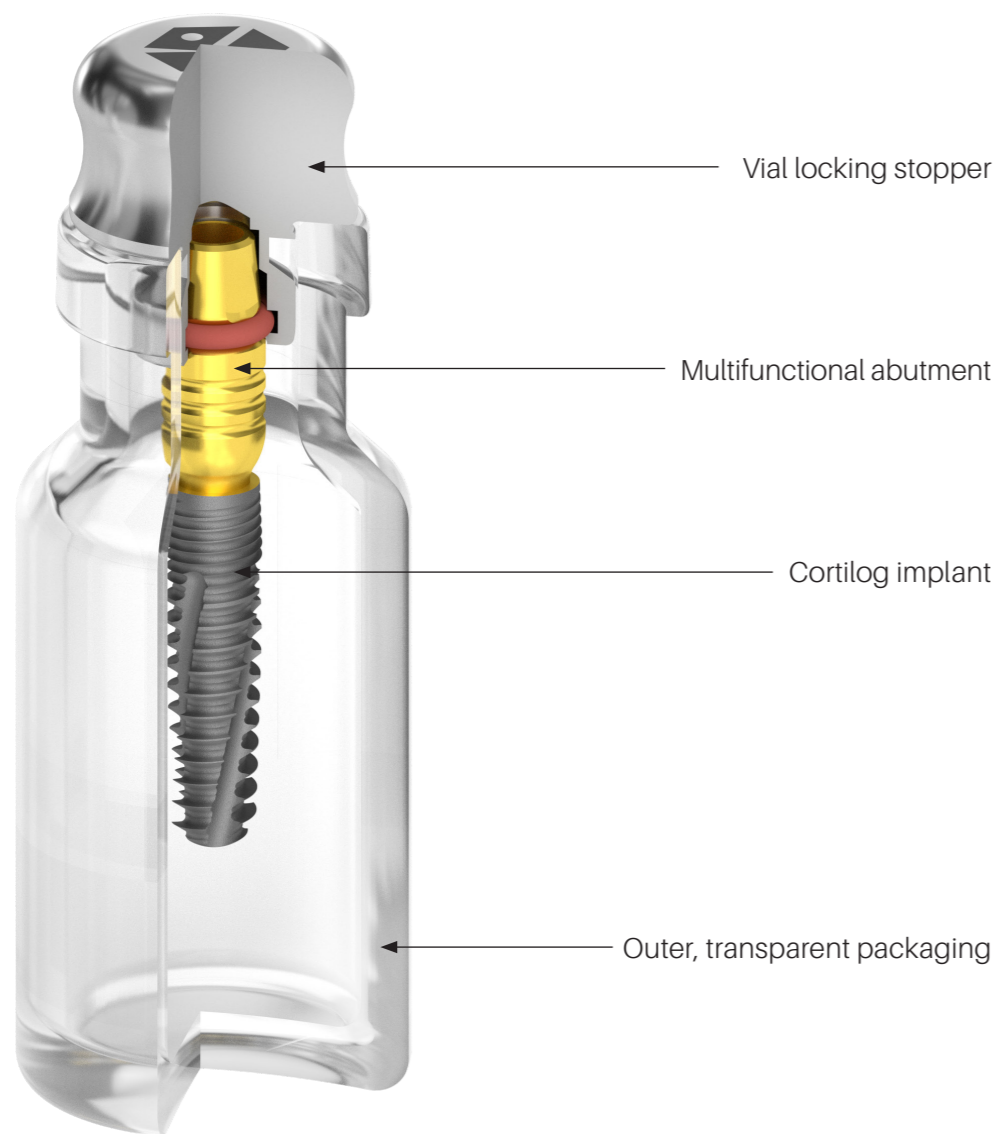
The outer layer of the packaging is a high density paper box designed to provide physical protection. Each paper box is colour-coded with labels according to implant diameter. The colour of the packaging is adapted accordingly.



Cross section of package and its components

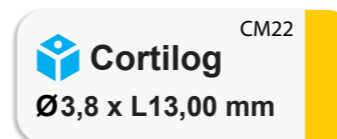
The first layer of the packaging is a transparent vial. The implant and the multifunctional abutment are held by the vial locking stopper. The implant locking screw can be found in the package as well.

The **multifunctional abutment** not only holds the implant inside the packing but also assists its insertion into the jawbone, is suitable for closed tray impression taking and can be used as a temporary implant head.



CORTILOG product labels and their notation

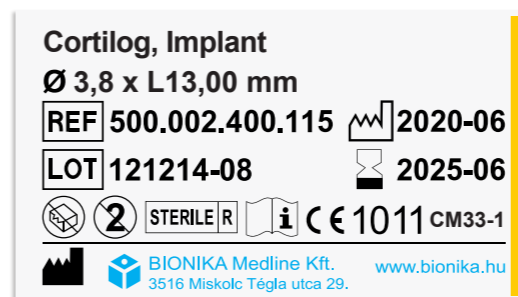
The side of the box:



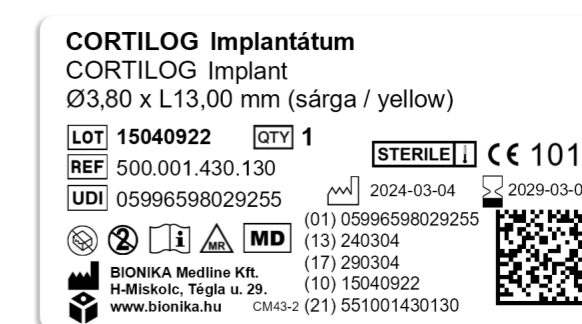
Top of the box:



On the vial:



The back of the box:



Explanation of symbols:

QTY	Quantity	MD	Medical Device	MR	MR conditional
Ø	Diameter		Use-by date	NON STERILE	Non-sterile
L	Implant length		Do not use if package is damaged!		Consult instructions for use
REF	Reference number	2	Do not re-use!	CE 1011	Certification company code
LOT	Batch code	STERILE R	Sterilized using irradiation		Manufacturer
	Date of manufacture	STERILE I	Sterilized using steam or dry heat	UDI	Unique Device Identifier

CORTILOG

Implant system

CORTILOG | IMPLANT SYSTEM



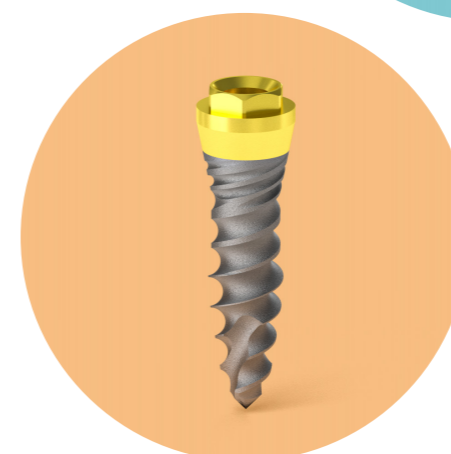
NORMAL IMPLANTS

CORTILOG PCL	15
CORTILOG CCL	16
CORTILOG ECL	17



SINGLE-PHASE IMPLANT

CORTILOG DCL	77
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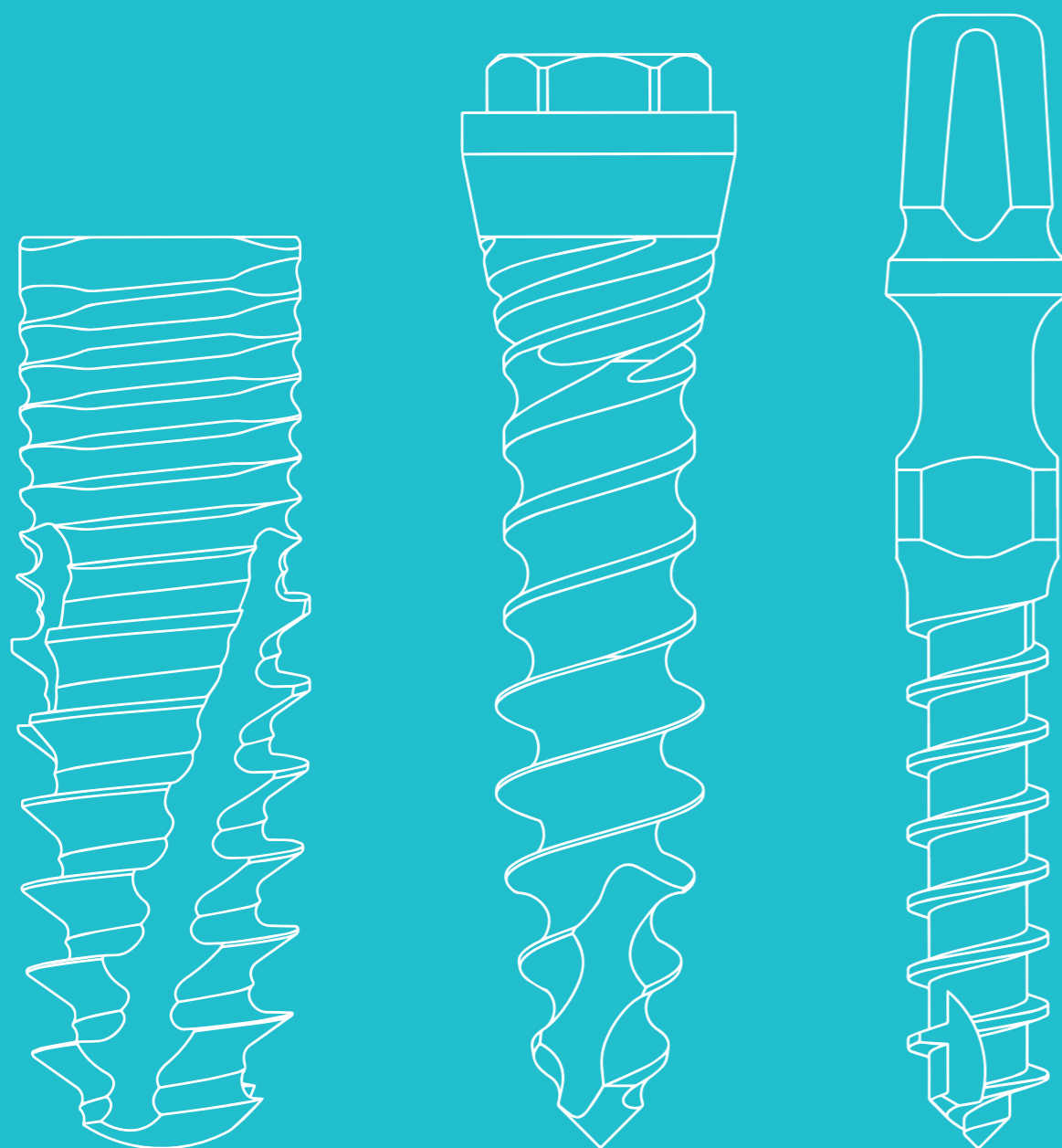
MINI IMPLANT

CORTILOG MCL	81
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TEMPORARY IMPLANT

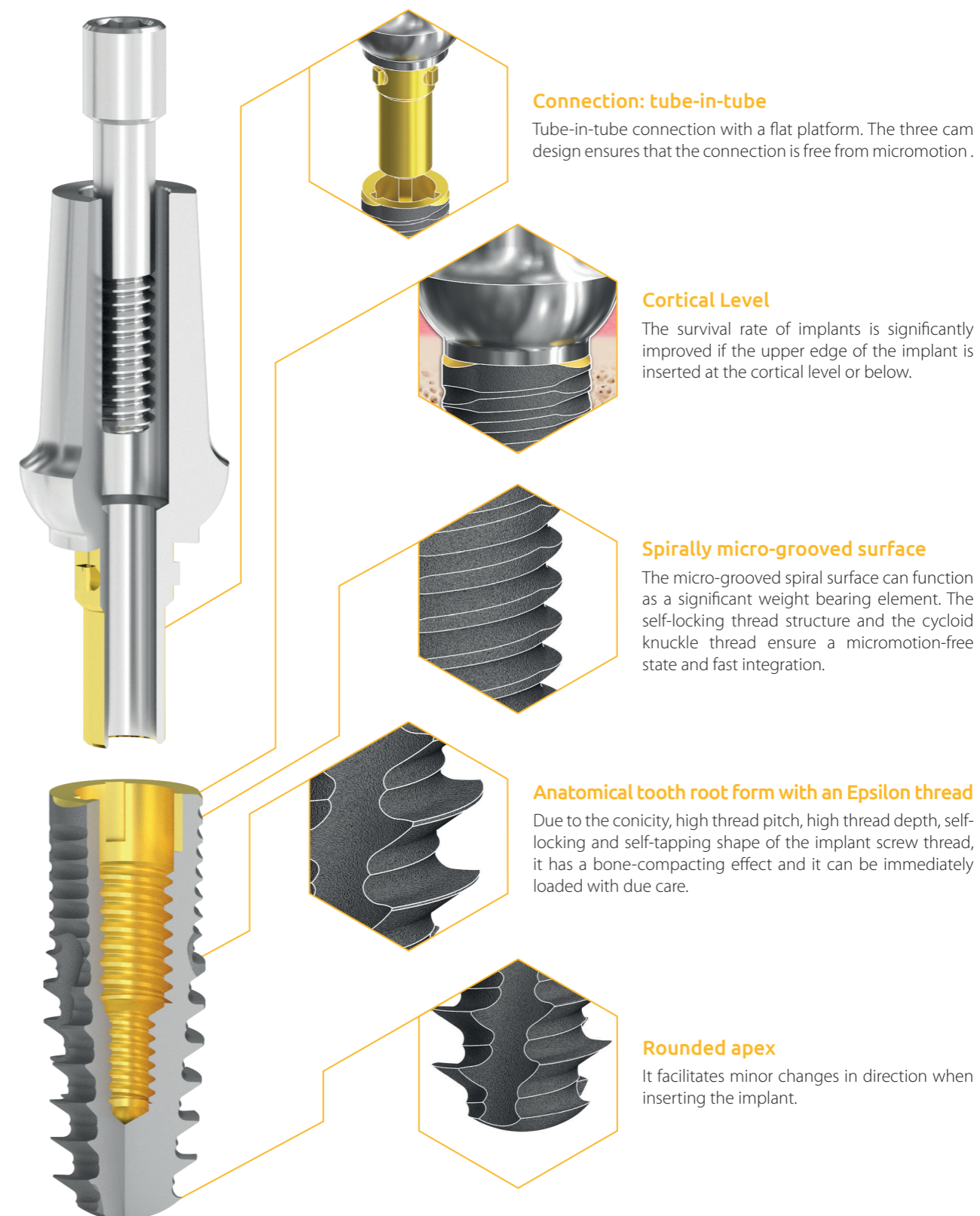
CORTILOG TCL	95
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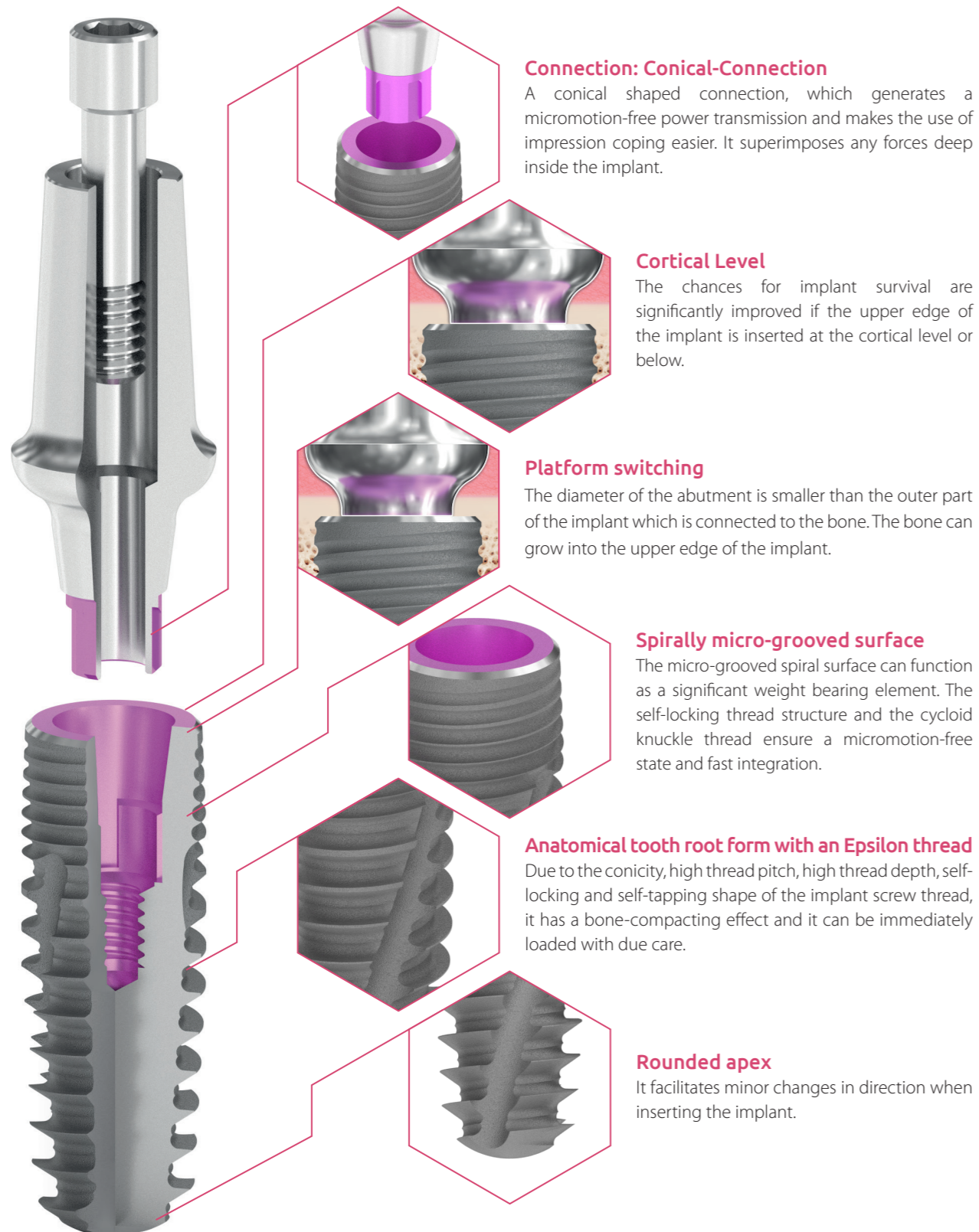
Distinctive characteristics of the **CORTILOG PCL**

CORTILOG

Normal Implants



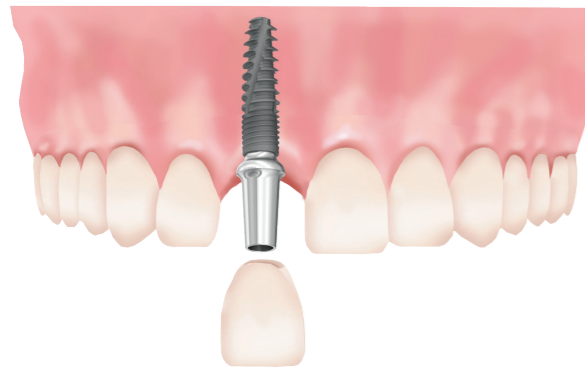
Distinctive characteristics of the **CORTILOG CCL**



Distinctive characteristics of the **CORTILOG ECL**



The applicational fields of the CORTILOG implant system

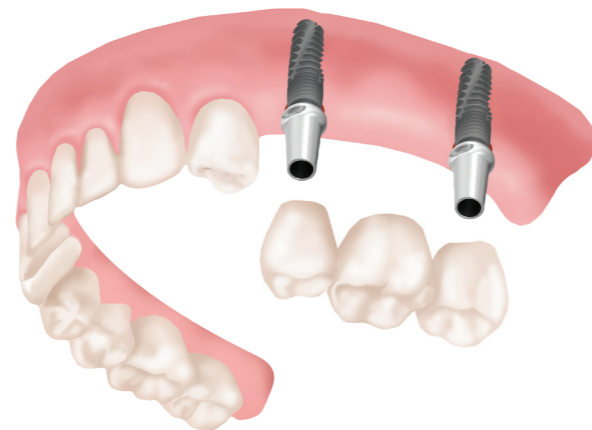


In the case of one tooth deficiency

To replace a tooth, instead of grinding down two whole teeth to make a bridge, an implant is placed and a crown is bonded to it in the same way as with traditional restorations.

In the case of back tooth deficiency

In this case, in the absence of a back tooth, a fixed replacement (bridge) cannot be made. A minimum of two implants can already be placed to create a (fixed) bridge replacement.



Snap-in denture

In the case of complete absence of teeth

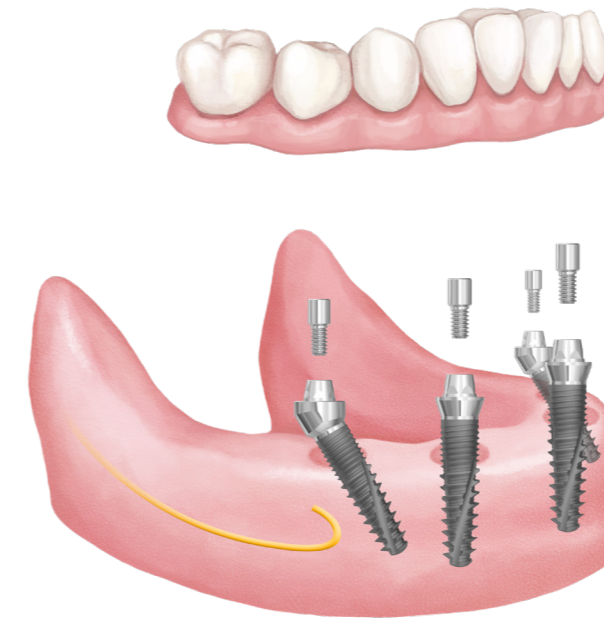
In this case the patient has no teeth and a full denture can be made. One solution in this case is removable dentures:

2-4 implants will be placed to fix the removable tooth. This will bring a huge improvement in the patient's quality of life, as they will have a very stable jaw that is excellent for both chewing and speaking.

Within this solution, there are also two other options: you can use either a ball attachment abutment or a locator abutment solution.

By placing 6-8 implants, a full fixed replacement (circular bridge) can be created, which is functionally and aesthetically almost equivalent to a natural tooth.

Screw-retained fixed dental prosthetics



Optimum Concept

Optimum Concept

All-on-4® type - Economical Solution

With the Optimum concept, high stability can be achieved with just four implants.

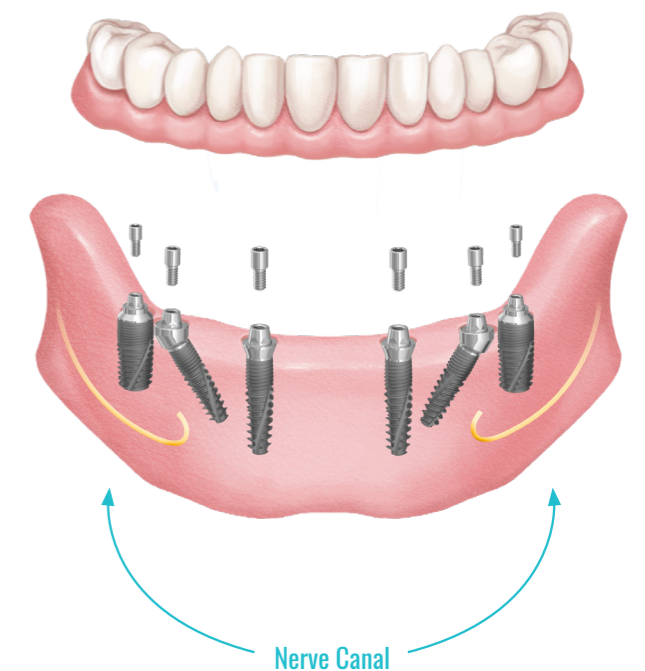
- The temporary denture can be inserted on the day of surgery.
- Immediate improvement in function, speech and aesthetics.
- Treatment time is shorter and costs can be lower compared to traditional implant placement methods.
- Tilting posterior implants can be better fixed into the anterior bone. This helps to support the prosthesis.

Safe Concept

All-on-6® type - For extra stability

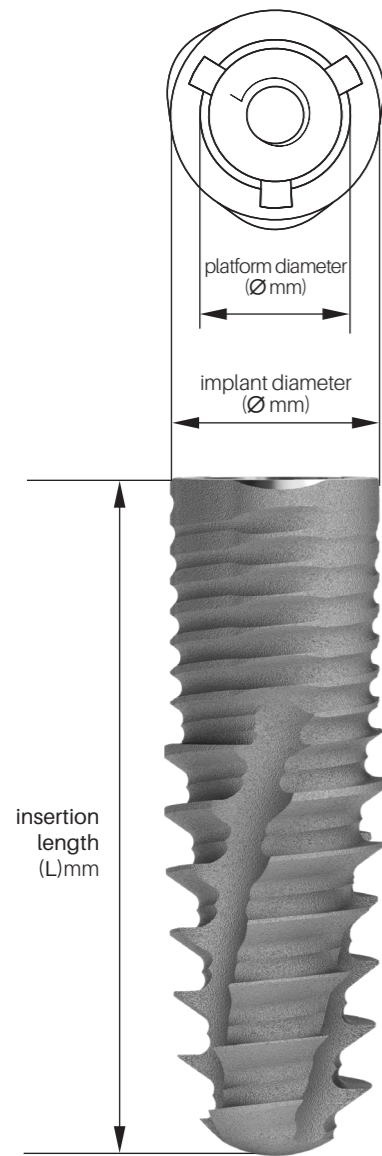
The Safe concept can further increase the stability of the denture. Particularly advantageous for extra chewing force.

- The use of angled implants allows longer implants to be used by bypassing the nerve canal.
- The use of longer implants allows the bone and the implant to come into contact over a larger surface area, thus avoiding the need for bone grafting.
- Favorable bone level for angled and axial implants.
- High survival rates



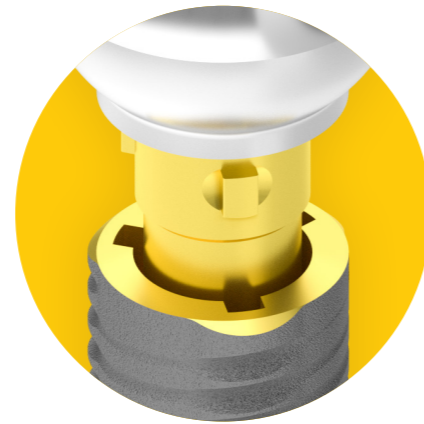
Safe Concept

CORTILOG PCL | RANGE OF IMPLANT SIZES



platform diameter / implant diameter

- Ø 3.3 / 3.3 mm
- Ø 3.8 / 3.8 mm
- Ø 3.8 / 4.3 mm
- Ø 5.0 / 5.0 mm
- Ø 5.0 / 6.0 mm



The **Cortilog PCL implant system** includes five different implant diameters. Each diameter implant is available in six different lengths, so you can find the right solution for every situation. The Ø3.3 diameter implant is ideal for long-term retention of dental prostheses in thinner than average bone structure. The Ø3.8 and Ø4.3 diameter implants are ideal for average bone structure, while the Ø5.0 and Ø6.0 diameter implants are preferred for larger than average bone.

In cases of low bone height, **Cortilog PCL SHORT** in 6 and 7 mm implant lengths can also be used without bone grafting.

insertion length (L)mm

Cortilog PCL | Normal implants



Ø 3.8

insertion length (L):

6 mm	7 mm	9 mm	11 mm	13 mm	16 mm



Ø 4.3

insertion length (L):

6 mm	7 mm	9 mm	11 mm	13 mm	16 mm



Ø 5.0

insertion length (L):

6 mm	7 mm	9 mm	11 mm	13 mm	16 mm

Cortilog PCL | Narrow implants



Ø 3.3

insertion length (L):

6 mm	7 mm	9 mm	11 mm	13 mm	16 mm

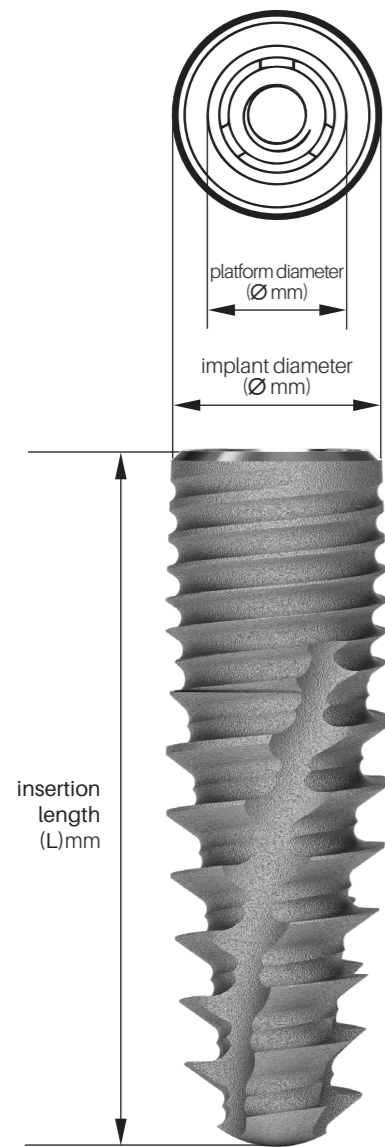


Ø 6.0

insertion length (L):

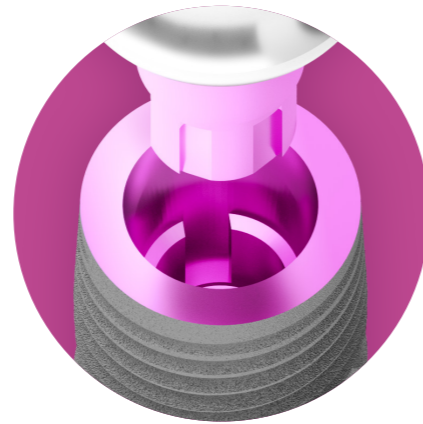
6 mm	7 mm	9 mm	11 mm	13 mm	16 mm

CORTILOG CCL | RANGE OF IMPLANT SIZES



platform diameter / implant diameter

- Ø 3.3 / 3.3 mm
- Ø 3.8 / 3.8 mm
- Ø 3.8 / 4.3 mm
- Ø 5.0 / 5.0 mm
- Ø 5.0 / 6.0 mm

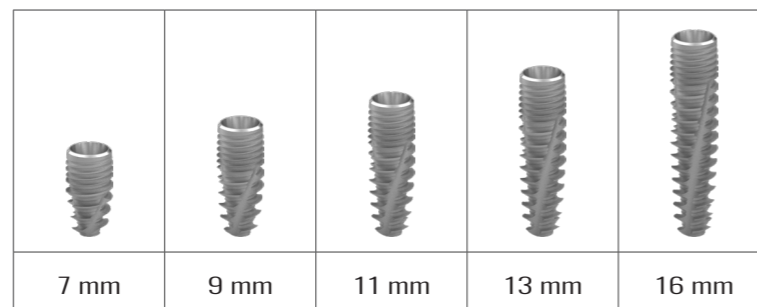


The **Cortilog CCL implant system** includes five different implant diameters. Each diameter implant is available in five different lengths, so you can find the right solution for every situation. The Ø3.3 diameter implant is ideal for long-term retention of dental prostheses in thinner than average bone structure. The Ø3.8 and Ø4.3 diameter implants are ideal for average bone structure, while the Ø5.0 and Ø6.0 diameter implants are preferred for larger than average bone.

Cortilog CCL | Narrow implants

Ø 3.3

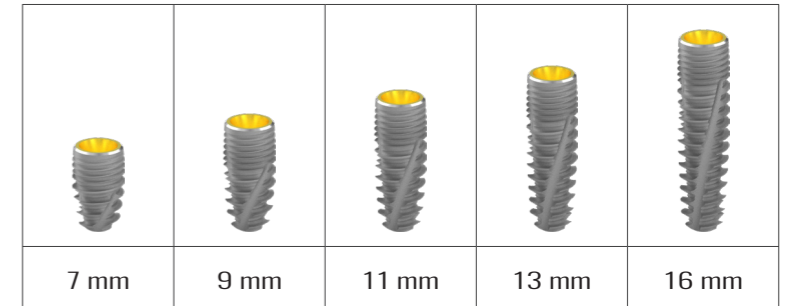
insertion length (L):



Cortilog CCL | Normal implants

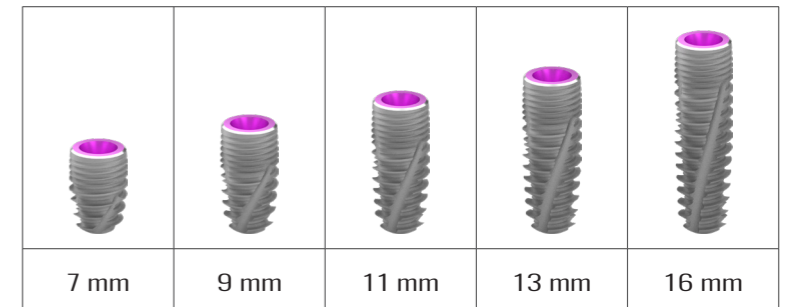
Ø 3.8

insertion length (L):



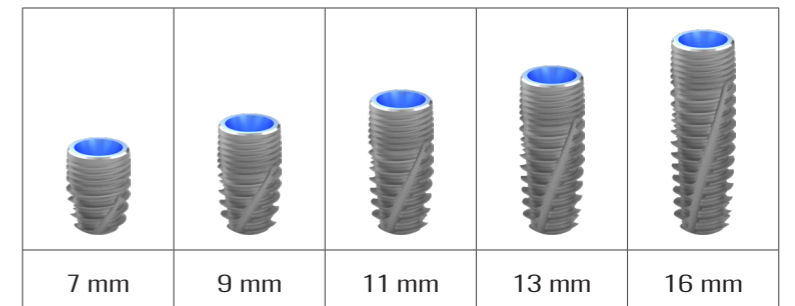
Ø 4.3

insertion length (L):



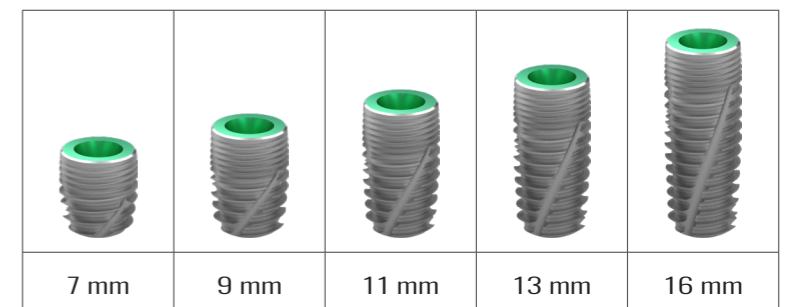
Ø 5.0

insertion length (L):

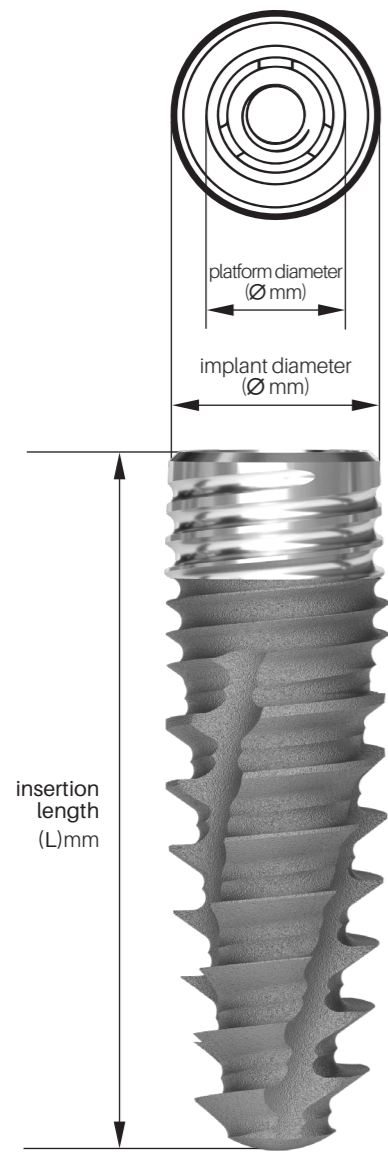


Ø 6.0

insertion length (L):

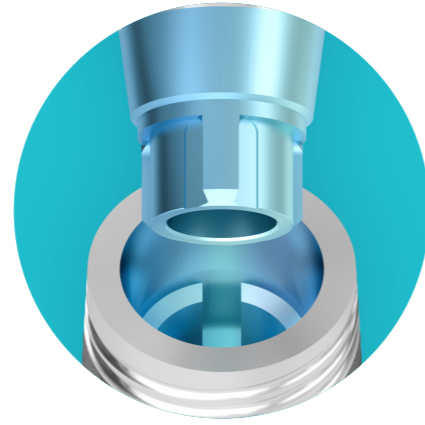


CORTILOG ECL | RANGE OF IMPLANT SIZES



platform diameter / implant diameter

- Ø 3.3 / 3.3 mm
- Ø 3.8 / 3.8 mm
- Ø 3.8 / 4.3 mm
- Ø 5.0 / 5.0 mm
- Ø 5.0 / 6.0 mm



The **Cortilog ECL implant system** includes five different implant diameters. Each diameter implant is available in five different lengths, so you can find the right solution for every situation. The Ø3.3 diameter implant is ideal for long-term retention of dental prostheses in thinner than average bone structure. The Ø3.8 and Ø4.3 diameter implants are ideal for average bone structure, while the Ø5.0 and Ø6.0 diameter implants are preferred for larger than average bone. The bright titanium portion of the Cortilog ECL implant can also be placed in the soft tissue, making it ideal for patients with lower bone mass. It simplifies the surgical procedure and eliminates the need to excavate deep-seated implants.

Cortilog ECL | Narrow implants

Ø 3.3

insertion length (L):

7 mm	9 mm	11 mm	13 mm	16 mm

Cortilog ECL | Normal implants

Ø 3.8

insertion length (L):

7 mm	9 mm	11 mm	13 mm	16 mm

Ø 4.3

insertion length (L):

7 mm	9 mm	11 mm	13 mm	16 mm

Ø 5.0

insertion length (L):

7 mm	9 mm	11 mm	13 mm	16 mm




Ø 6.0

insertion length (L):

7 mm	9 mm	11 mm	13 mm	16 mm

The drilling protocol for **Cortilog Normal**

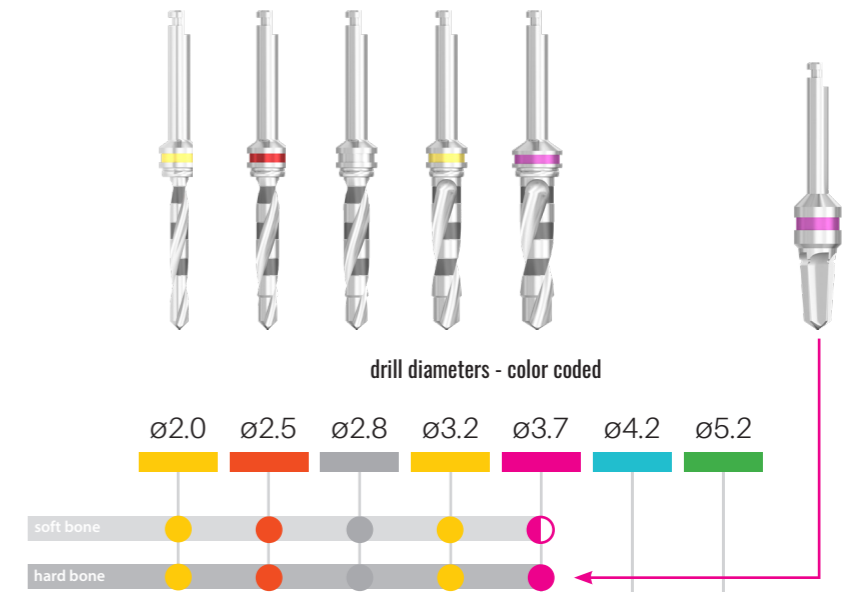
Drilling indicators:

-  - alternatively used
-  - 1/2 length drilling alternatively
-  - 3/4 or full length drilling recommended

\varnothing **4.3 mm**
implant drilling protocol

implant diameter

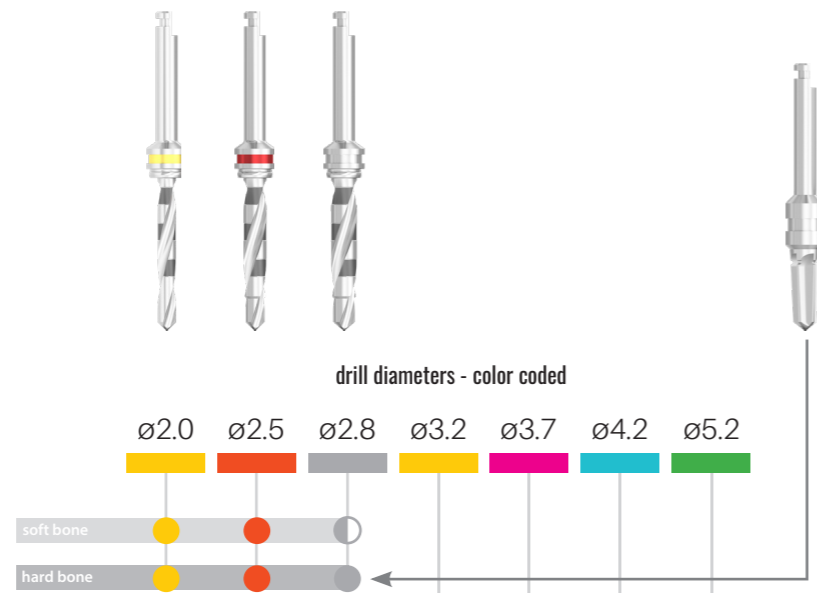
 \varnothing **4.3**



\varnothing **3.3 mm**
implant drilling protocol

implant diameter

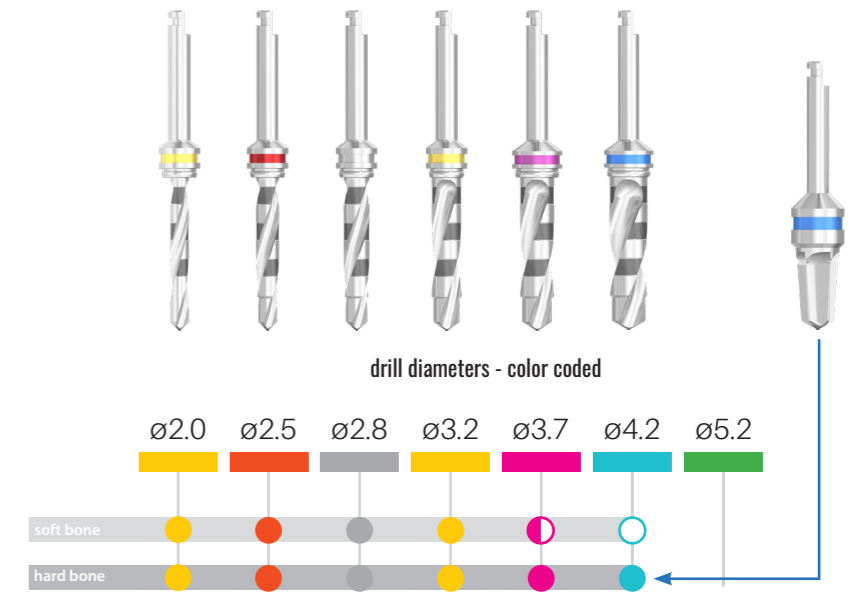
 \varnothing **3.2**



\varnothing **5.0 mm**
implant drilling protocol

implant diameter

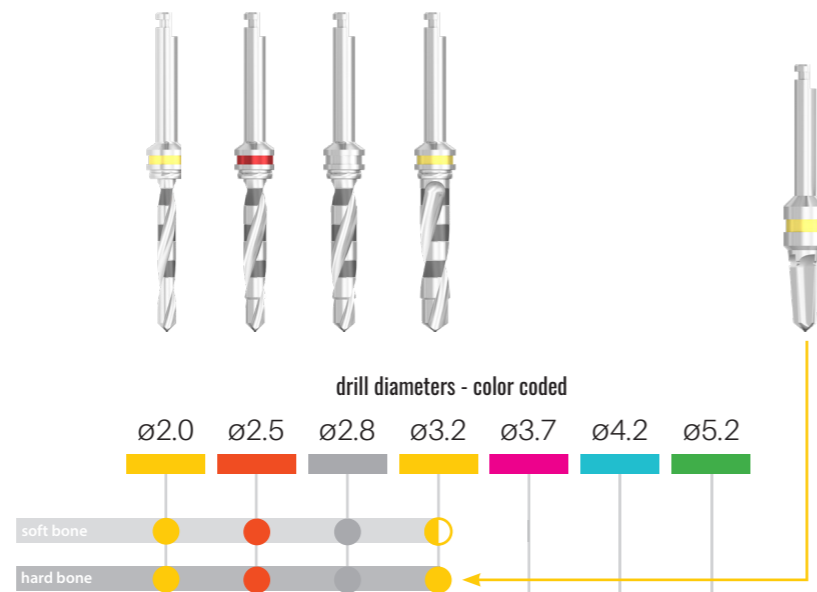
 \varnothing **5.0**



\varnothing **3.8 mm**
implant drilling protocol

implant diameter

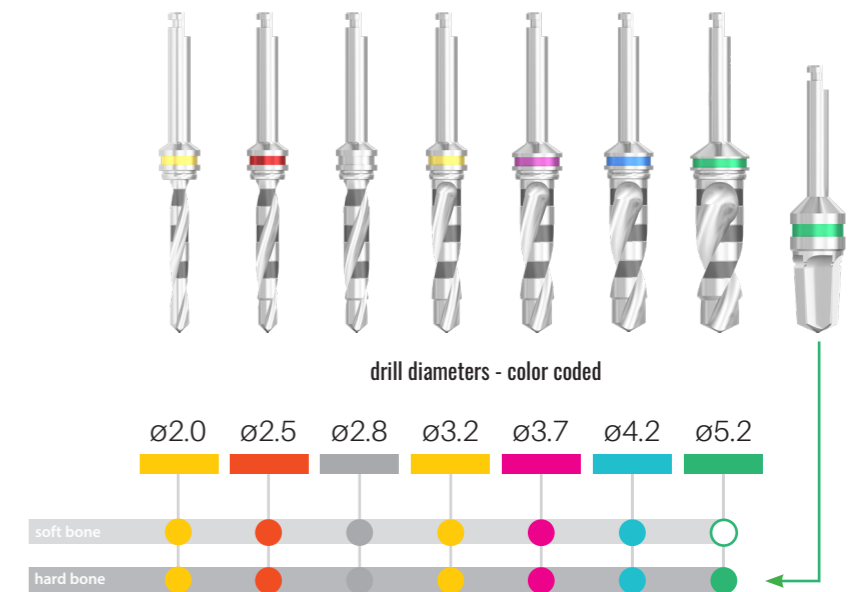
 \varnothing **3.7**



\varnothing **6.0 mm**
implant drilling protocol

implant diameter

 \varnothing **6.0**

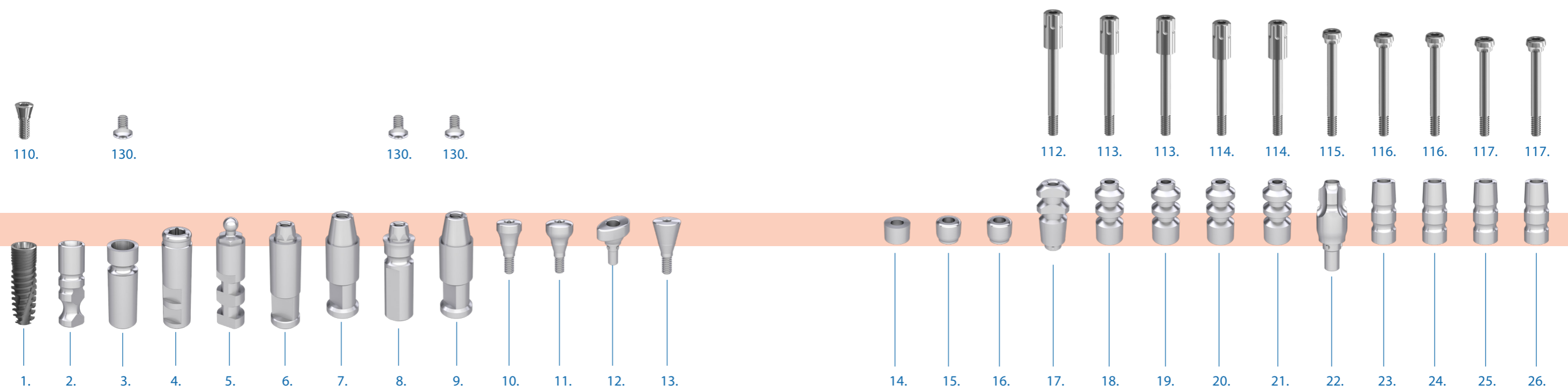


CORTILOG PCL abutment system

1. IMPLANTS

PROSTHETIC ELEMENTS

- 2. Lab analog
- 3. Lab analog, for digital scan
- 4. Lab analog, locator
- 5. Lab analog, ball attachment
- 6. Lab analog, multi-unit
- 7. Lab analog, multi-unit SR
- 8. Lab analog, multi-unit digital
- 9. Lab analog, multi-unit digital SR
- 10. Healing abutment, narrow
- 11. Healing abutment, anatomical
- 12. Healing abutment, anatomical, local
- 13. Healing abutment, conical
- 14. Healing abutment, multi-unit
- 15. Healing abutment, multi-unit SR
- 16. Healing abutment, multi-unit, local
- 17. Impression coping for open tray
- 18. Impression coping for open tray, multi-unit level, positioned
- 19. Impression coping for open tray, multi-unit level, non-positioned
- 20. Impression coping for open tray, multi-unit level, positioned, SR
- 21. Impression coping for open tray, multi-unit level, non-positioned, SR
- 22. Impression coping for closed tray
- 23. Impression coping for closed tray, multi-unit level, positioned
- 24. Impression coping for closed tray, multi-unit level, non-positioned
- 25. Impression coping for closed tray, multi-unit level, positioned, SR
- 26. Impression coping for closed tray, multi-unit level, non-positioned, SR



CORTILOG PCL abutment system

- 27. Impression coping for closed tray, parallel
- 28. Impression coping for closed tray, angled
- 29. Temporary abutment, implant level, positioned
- 30. Temporary abutment, multi-unit level, positioned
- 31. Temporary abutment, multi-unit level, non-positioned
- 32. Temporary abutment, multi-unit level, positioned, SR

- 33. Temporary abutment, multi-unit level, non-positioned SR

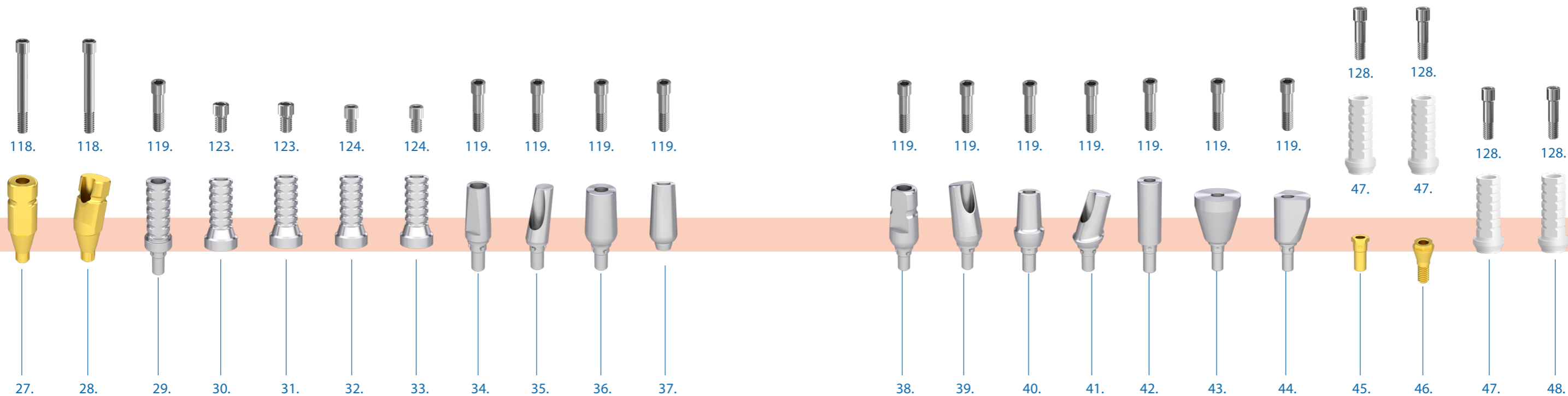
FOR CEMENT-RETAINED RESTORATIONS

- 34. Narrow abutment, straight
- 35. Narrow abutment, angled
- 36. Universal abutment, straight, positioned
- 37. Universal abutment, straight, non-positioned

- 38. Universal abutment, straight MV
- 39. Universal abutment, angled
- 40. Anatomical abutment, straight
- 41. Anatomical abutment, angled
- 42. Cylindrical abutment
- 43. Trapezoidal abutment
- 44. Delta abutment

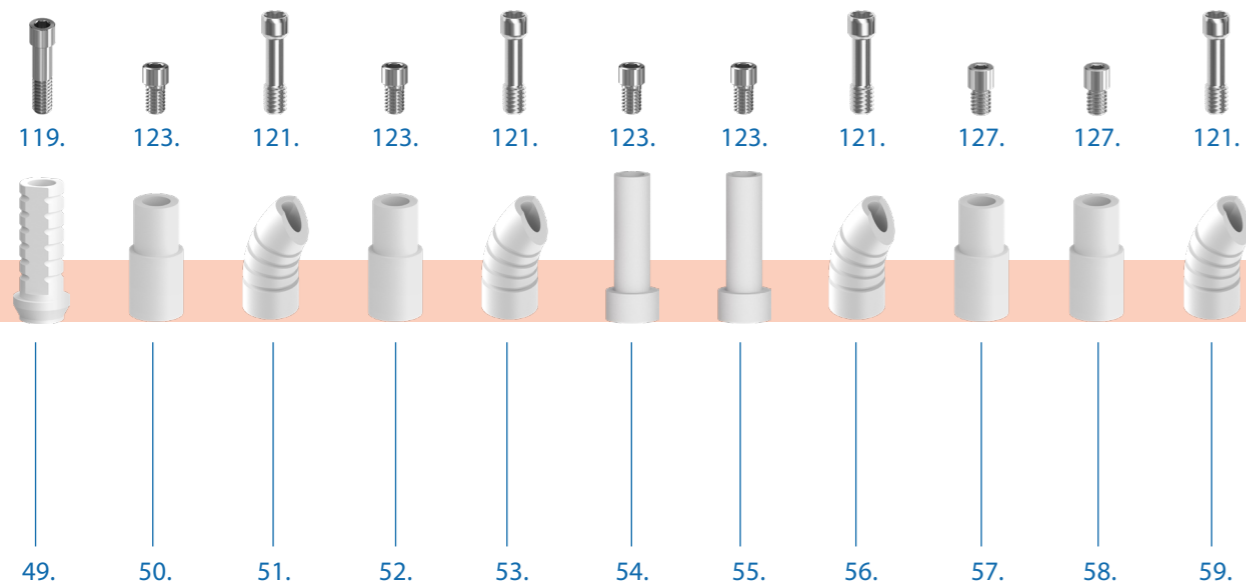
CASTING ABUTMENTS

- 45. BR interface
- 46. BR interface, screwable
- 47. Castable plastic abutment, for BR interface, positioned
- 48. Castable plastic abutment, for BR interface, non-positioned



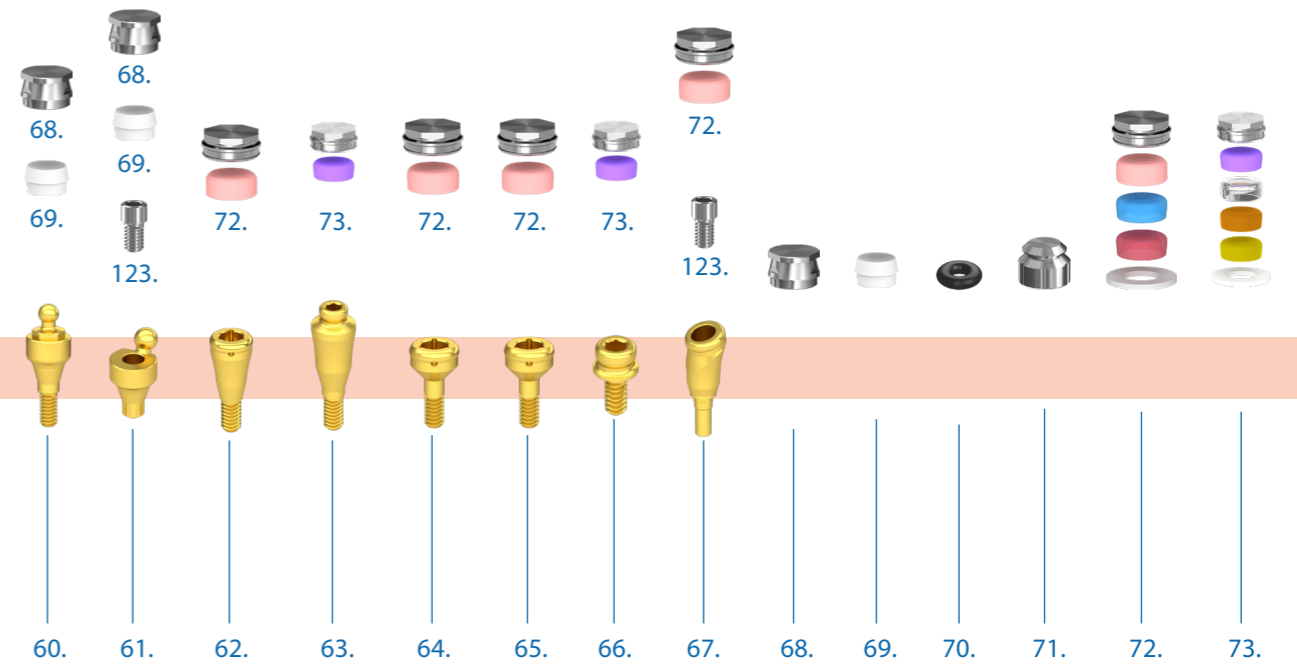
CORTILOG PCL abutment system

- 49. Castable plastic abutment, for titanium base
- 50. Castable plastic abutment, for multi-unit level titanium base
- 51. Castable plastic abutment, angled, for multi-unit level titanium base
- 52. Castable plastic abutment, for multi-unit level titanium base, SR
- 53. Castable plastic abutment, angled, for multi-unit level titanium base, SR
- 54. Castable plastic abutment, multi-unit level, positioned
- 55. Castable plastic abutment, multi-unit level, non-positioned
- 56. Castable plastic abutment, angled, multi-unit level
- 57. Castable plastic abutment, multi-unit level, positioned, SR
- 58. Castable plastic abutment, multi-unit level, non-positioned, SR
- 59. Castable plastic abutment, angled, multi-unit level SR



FOR SNAP IN DENTURES

- 60. Ball attachment abutment OC
- 61. Ball attachment abutment, angled OC
- 62. Locator abutment
- 63. Locator abutment, mini
- 64. Locator abutment, multi-unit level
- 65. Locator abutment, multi-unit level SR
- 66. Locator abutment, mini, multi-unit level
- 67. Locator abutment, angled
- 68. OC cap, metal
- 69. OC insert, plastic
- 70. O-ring
- 71. O-ring's metal cap
- 72. Locator cap set
- 73. Microlock cap set



CORTILOG PCL abutment system

FOR SCREW-RETAINED RESTORATIONS

- 74. Multi-unit abutment, straight, screwable
- 75. Multi-unit abutment, straight, through-bolted
- 76. Multi-unit abutment, angled
- 77. Multi-Compact abutment, cup
- 78. MC - multi-unit cone
- 79. MC - multi-unit cone, SR
- 80. MC - ball abutment cone

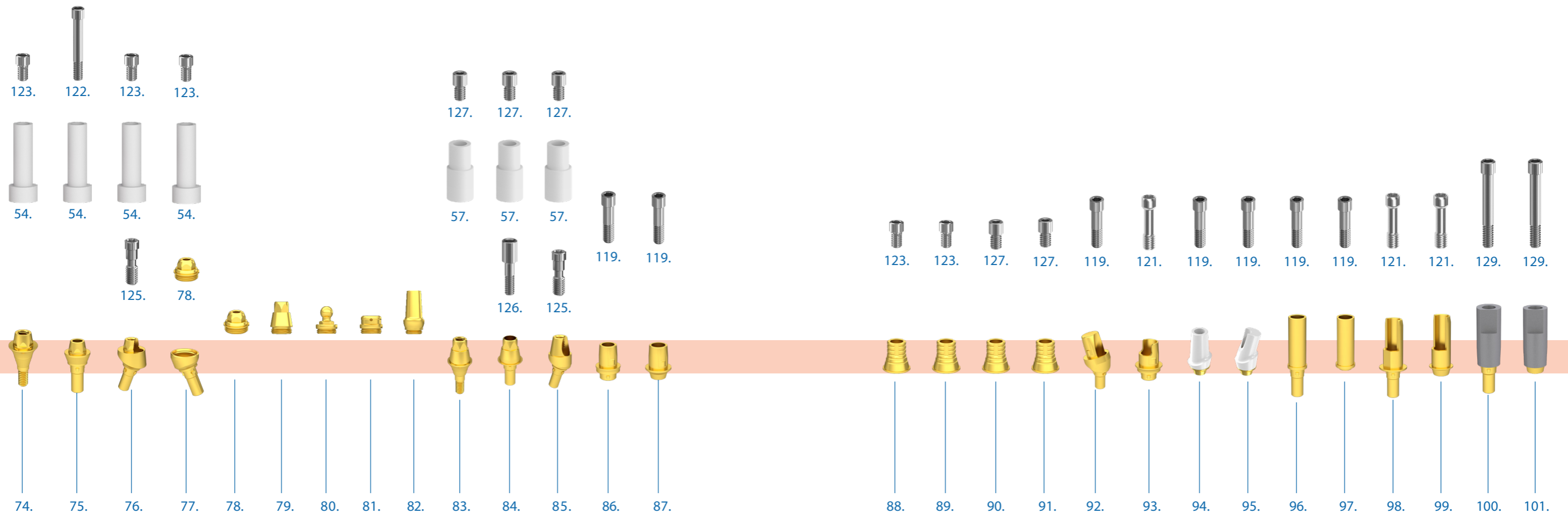
- 81. MC - locator abutment cone
- 82. MC - adaptable cone
- 83. Multi-unit SR abutment, straight
- 84. Multi-unit SR abutment, through-bolted
- 85. Multi-unit SR abutment, angled

ELEMENTS OF THE CAD-CAM SYSTEM

- 86. Titanium base, positioned
- 87. Titanium base, non-positioned

- 88. Titanium base, multi-unit level, positioned
- 89. Titanium base, multi-unit level, non-positioned
- 90. Titanium base, multi-unit level, positioned, SR
- 91. Titanium base, multi-unit level, non-positioned, SR
- 92. Titanium base, angled
- 93. Flexi base
- 94. Zircon abutment, with titanium base

- 95. Zircon abutment, with titanium base, angled
- 96. Tube abutment, positioned
- 97. Tube abutment, non-positioned
- 98. Tube abutment, stepped, positioned
- 99. Tube abutment, stepped, non-positioned
- 100. Scanbody, through-bolted, positioned
- 101. Scanbody, through-bolted, non-positioned



CORTILOG PCL abutment system

102. Scanbody, through-bolted, multi-unit level, positioned

103. Scanbody, through-bolted, multi-unit level, non-positioned

OTHER ABUTMENTS

104. Spacer, implant level, positioned

105. Spacer, implant level, non-positioned

106. Spacer, multi-unit level, positioned

107. Spacer, multi-unit level, non-positioned

108. Test abutment

109. Test abutment, angled

SCREWS

110. Locking screw

111. Locking screw, for spacer

112. Impression coping screw, for open tray

113. Impression coping screw, for open tray, multi-unit level

114. Impression coping screw, for open tray, multi-unit level, SR

115. Impression coping screw, for closed tray

116. Impression coping screw, for closed tray, multi-unit level

117. Impression coping screw, for closed tray, multi-unit level, SR

118. Impression coping screw, for closed tray, multi-unit level, parallel

119. Surgical abutment screw

120. Surgical abutment screw, technical

121. Surgical abutment screw PCT

122. Multi-unit through-bolt

123. Multi-unit abutment screw

124. Multi-unit abutment screw, PCT

125. Multi-unit abutment screw, for angled abutment

126. Multi-unit through-bolt, SR

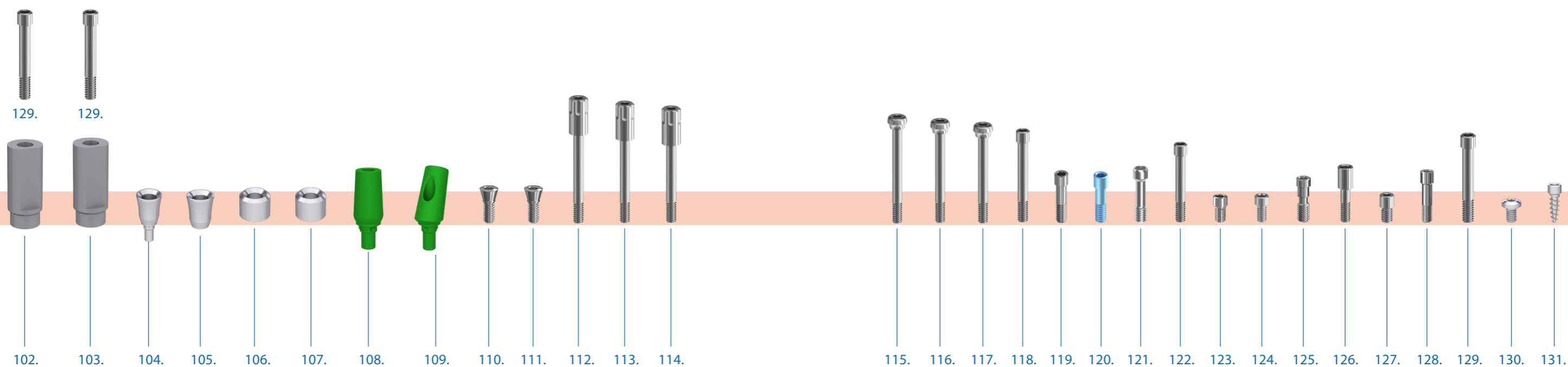
127. Multi-unit abutment screw, SR

128. BR interface Multi-unit abutment screw

129. Scanbody through-bolt

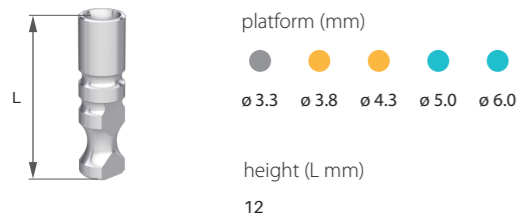
130. Lab analog screw

131. Dental retaining screw

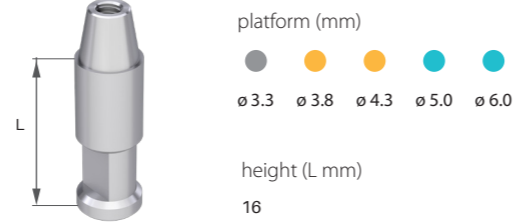


The available sizes of **CORTILOG PCL** abutments

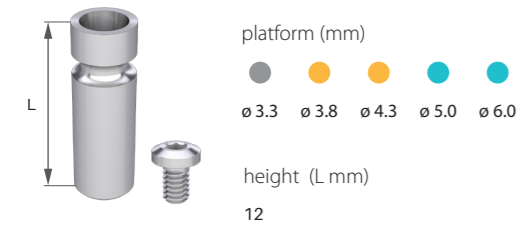
LAB ANALOG



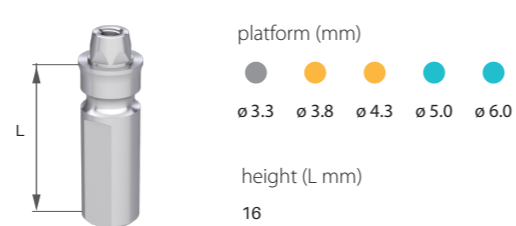
LAB ANALOG, MULTI-UNIT SR



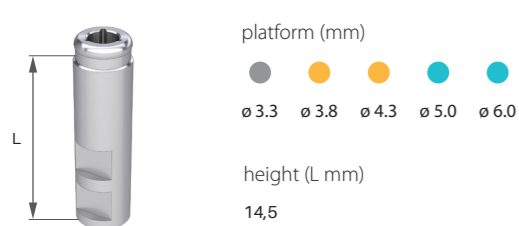
LAB ANALOG, FOR DIGITAL SCAN



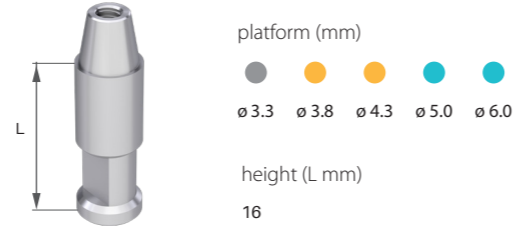
LAB ANALOG, MULTI-UNIT DIGITAL



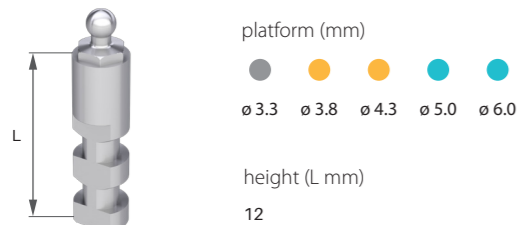
LAB ANALOG, LOCATOR



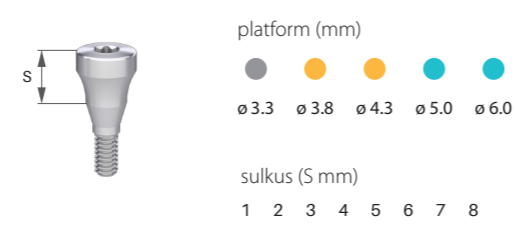
LAB ANALOG, MULTI-UNIT DIGITAL SR



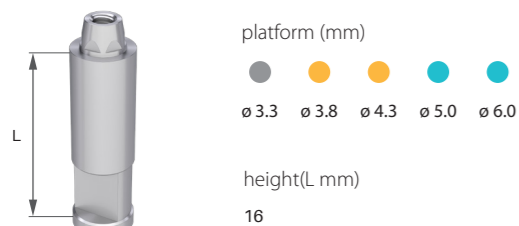
LAB ANALOG, BALL ATTACHMENT



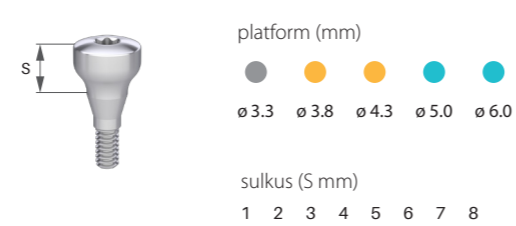
HEALING ABUTMENT, NARROW



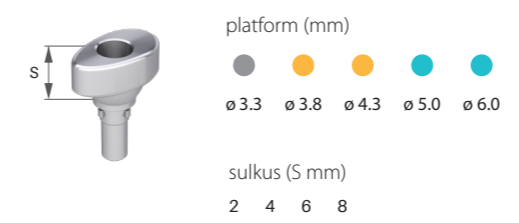
LAB ANALOG, MULTI-UNIT



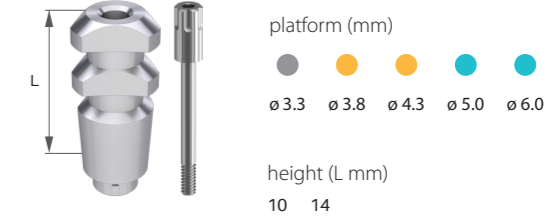
HEALING ABUTMENT, ANATOMICAL



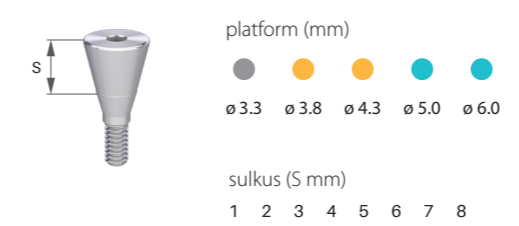
HEALING ABUTMENT, ANATOMICAL, LOCAL



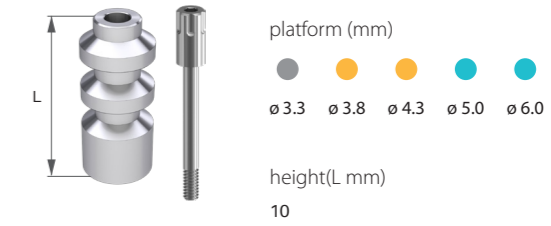
IMPRESSION COPING FOR OPEN TRAY



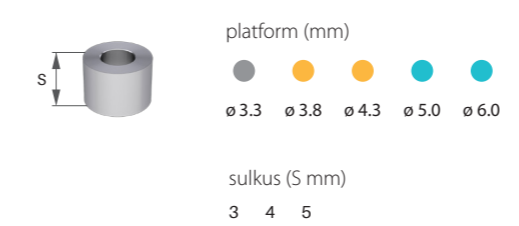
HEALING ABUTMENT, CONICAL



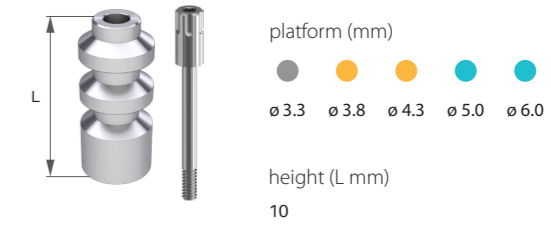
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, POSITIONED



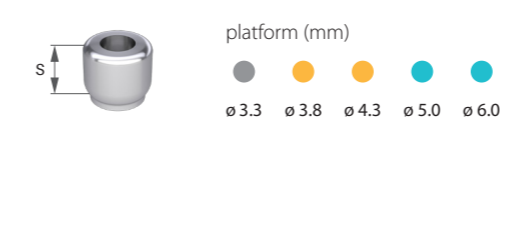
HEALING ABUTMENT, MULTI-UNIT



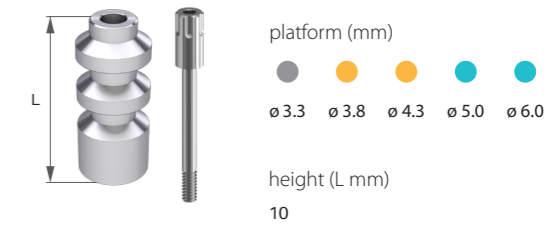
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, NON-POSITIONED



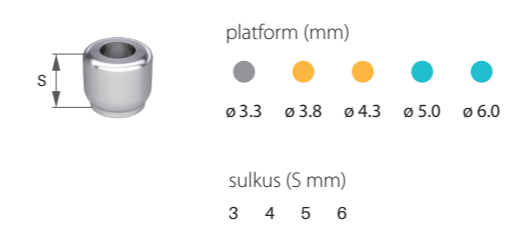
HEALING ABUTMENT, MULTI-UNIT SR



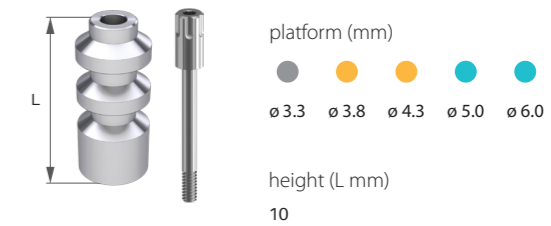
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, POSITIONED, SR



HEALING ABUTMENT, MULTI-UNIT, LOCAL

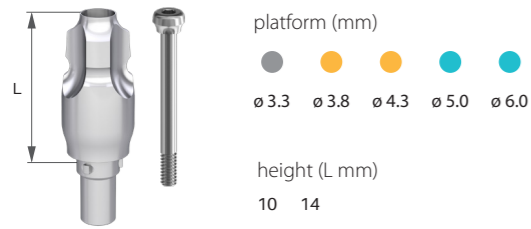


IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, NON-POSITIONED, SR

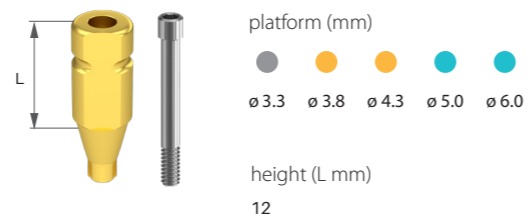


The available sizes of **CORTILOG PCL** abutments

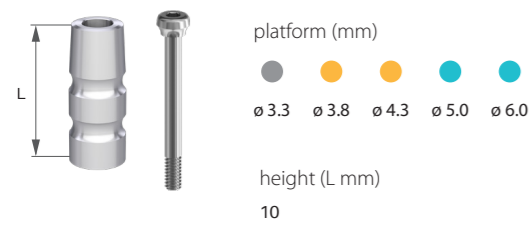
IMPRESSION COPING FOR CLOSED TRAY



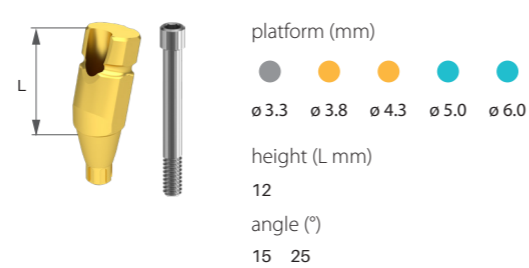
IMPRESSION COPING FOR CLOSED TRAY, PARALLEL



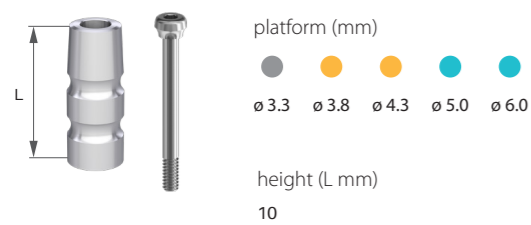
IMPRESSION COPING FOR CLOSED TRAY, MULTI-UNIT LEVEL, POSITIONED



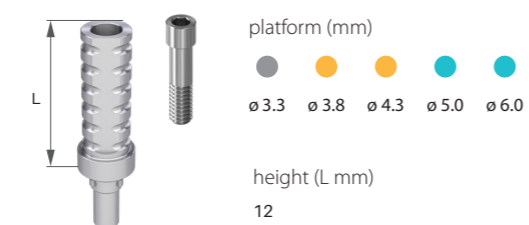
IMPRESSION COPING FOR CLOSED TRAY, ANGLED



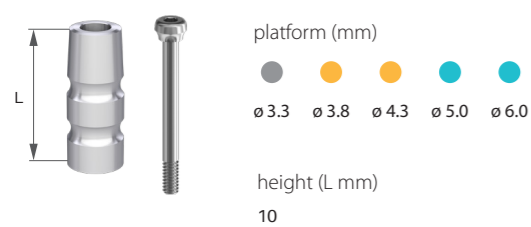
IMPRESSION COPING FOR CLOSED TRAY, MULTI-UNIT LEVEL, NON-POSITIONED



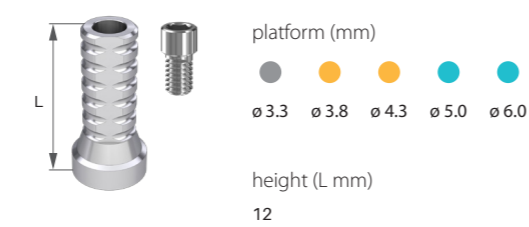
TEMPORARY ABUTMENT, IMPLANT LEVEL, POSITIONED



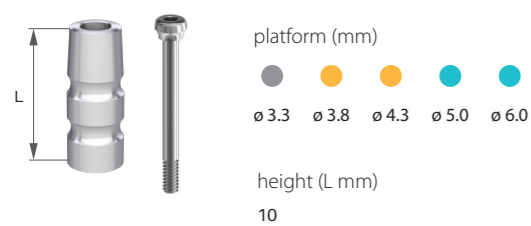
IMPRESSION COPING FOR CLOSED TRAY, MULTI-UNIT LEVEL, POSITIONED, SR



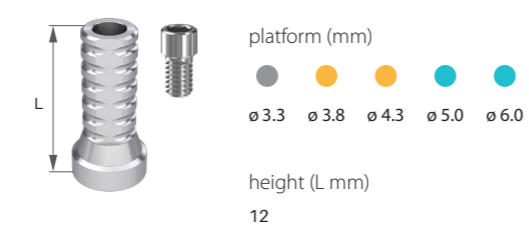
TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, POSITIONED



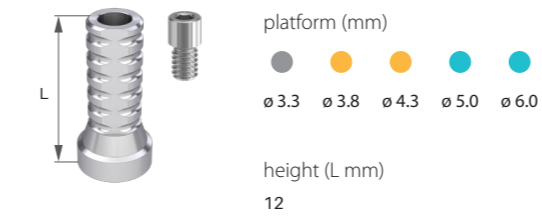
IMPRESSION COPING FOR CLOSED TRAY, MULTI-UNIT LEVEL, NON-POSITIONED, SR



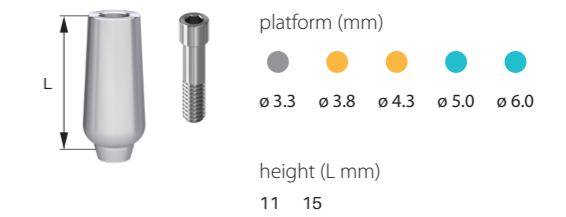
TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED



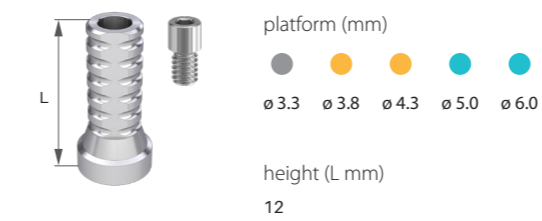
TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, POSITIONED, SR



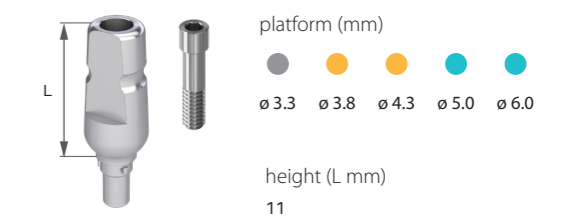
UNIVERSAL ABUTMENT, STRAIGHT, NON-POSITIONED



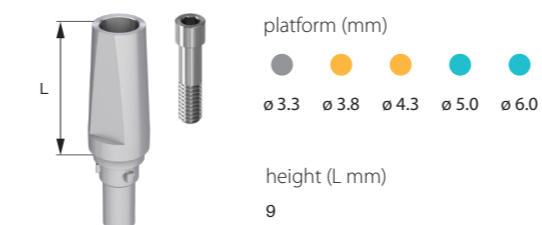
TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED SR



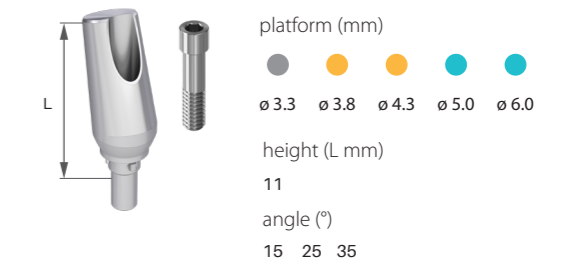
UNIVERSAL ABUTMENT, STRAIGHT MV



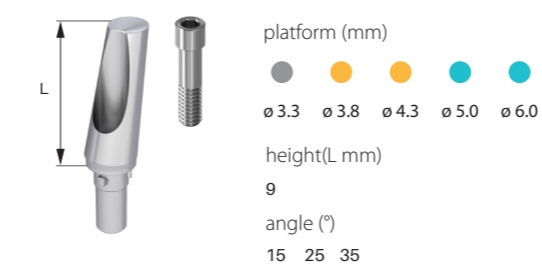
NARROW ABUTMENT, STRAIGHT



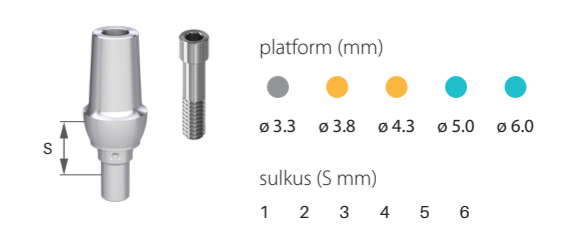
UNIVERSAL ABUTMENT, ANGLED



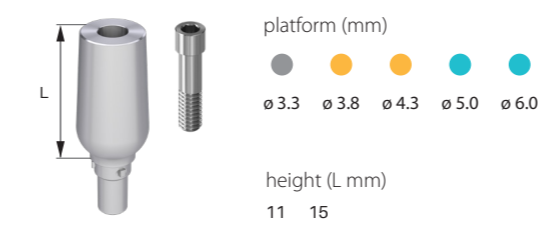
NARROW ABUTMENT, ANGLED



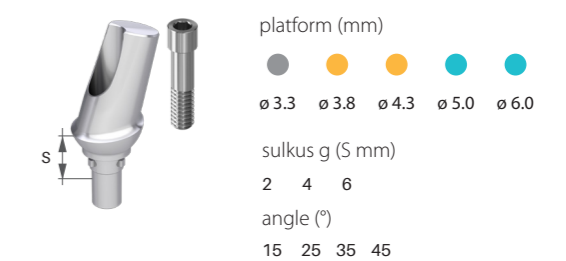
ANATOMICAL ABUTMENT, STRAIGHT



UNIVERSAL ABUTMENT, STRAIGHT, POSITIONED

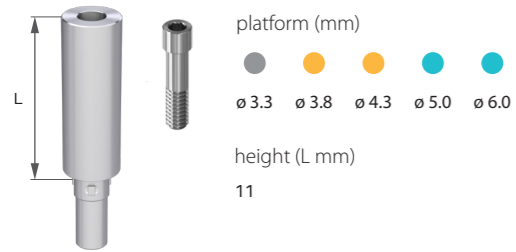


ANATOMICAL ABUTMENT, ANGLED

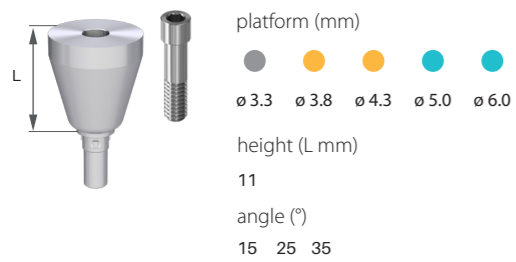


The available sizes of **CORTILOG PCL** abutments

CYLINDRICAL ABUTMENT



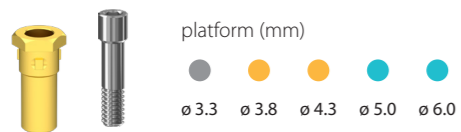
TRAPEZOIDAL ABUTMENT



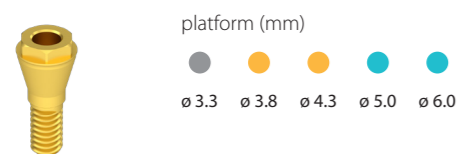
DELTA ABUTMENT



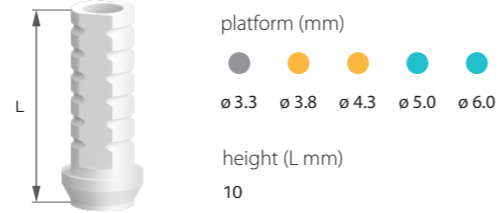
BR INTERFACE



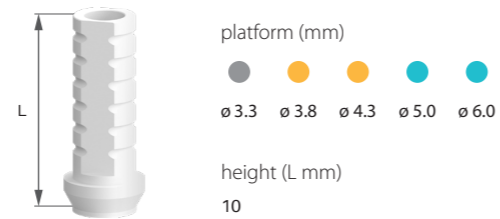
BR INTERFACE, SCREWABLE



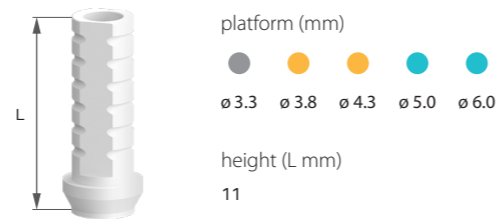
CASTABLE PLASTIC ABUTMENT, FOR BR INTERFACE, POSITIONED



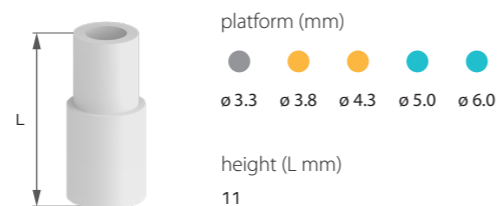
CASTABLE PLASTIC ABUTMENT, FOR BR INTERFACE, NON-POSITIONED



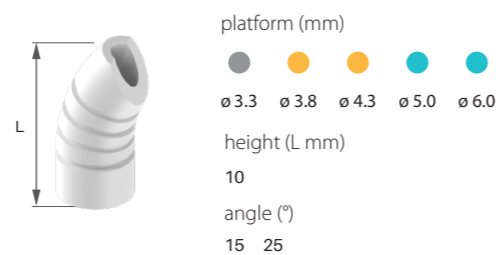
CASTABLE PLASTIC ABUTMENT, FOR TITANIUM BASE



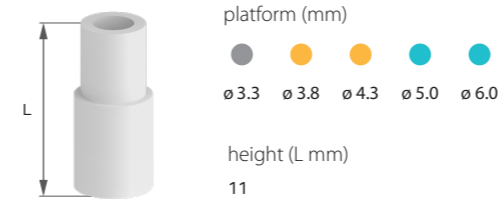
CASTABLE PLASTIC ABUTMENT, FOR MULTI-UNIT LEVEL TITANIUM BASE



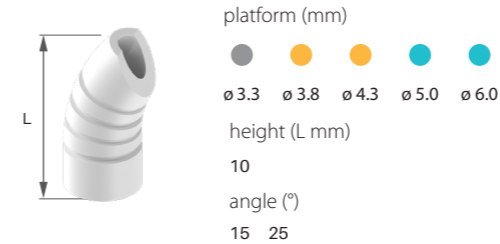
CASTABLE PLASTIC ABUTMENT, ANGLED, FOR MULTI-UNIT LEVEL TITANIUM BASE



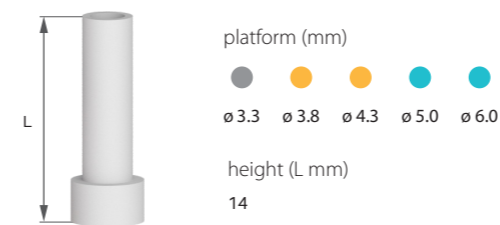
CASTABLE PLASTIC ABUTMENT, FOR MULTI-UNIT LEVEL TITANIUM BASE, SR



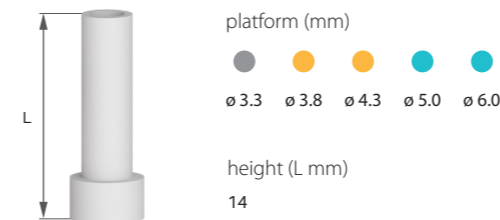
CASTABLE PLASTIC ABUTMENT, ANGLED, FOR MULTI-UNIT LEVEL TITANIUM BASE, SR



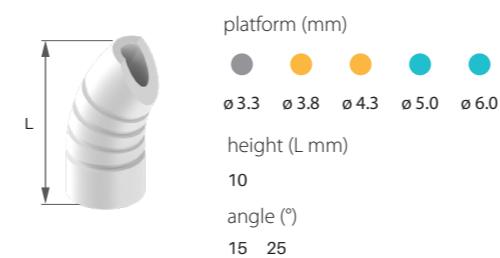
CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, POSITIONED



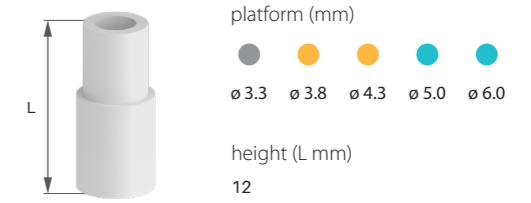
CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED



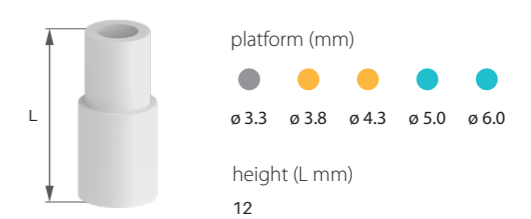
CASTABLE PLASTIC ABUTMENT, ANGLED, MULTI-UNIT LEVEL



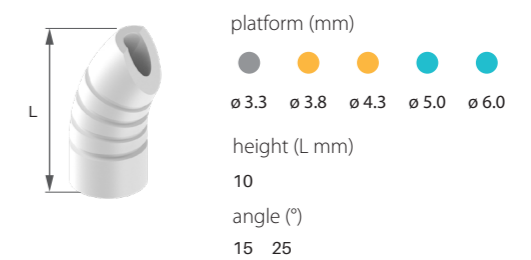
CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, POSITIONED, SR



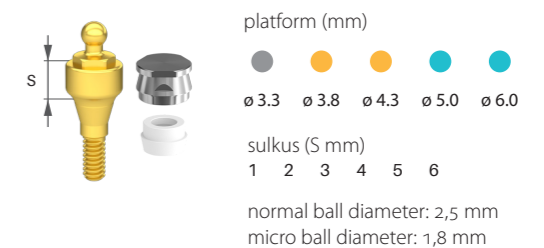
CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED, SR



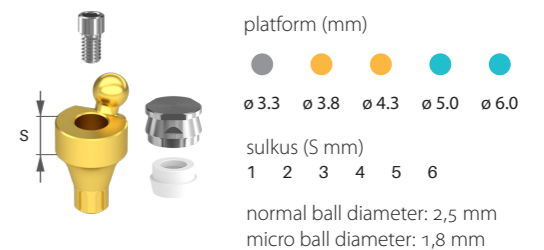
CASTABLE PLASTIC ABUTMENT, ANGLED, MULTI-UNIT LEVEL SR



BALL ATTACHMENT ABUTMENT OC

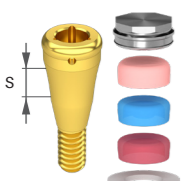


BALL ATTACHMENT ABUTMENT, ANGLED OC



The available sizes of **CORTILOG PCL** abutments

LOCATOR ABUTMENT



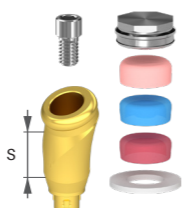
platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 0,5
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

LOCATOR ABUTMENT, ANGLED



platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0


sulkus (S mm)

- 0,5
- 2
- 4
- 6

angle (°)

- 15
- 25

LOCATOR CAP SET

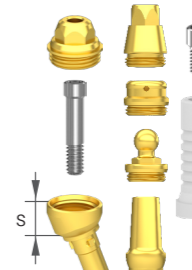


pink cap:
10-20° deviations, 1,4 kg retention

blue cap:
10-20° deviations, 0,7 kg retention

red cap:
20-40° deviations, 0,4 kg retention

MULTI-COMPACT ABUTMENT, CUP



platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

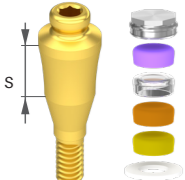
sulkus (S mm)

- 2
- 3
- 4
- 5
- 6

angle (°)

- 20
- 30

LOCATOR ABUTMENT, MINI




platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 1
- 2
- 3
- 4
- 5
- 6
- 7

OC CAP, METAL




platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

normal ball diameter: 2,5 mm
micro ball diameter: 1,8 mm

MICROLOCK CAP SET




purple cap:
10-20° deviations, 2,5 kg retention

transparent cap:
10-20° deviations, 1,8 kg retention

peach cap:
20-40° deviations, 1,2 kg retention

yellow cap:
20-40° deviations, 0,6 kg retention

MC - MULTI-UNIT CONE



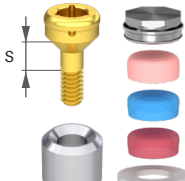
platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 0
- 1
- 2
- 3

LOCATOR ABUTMENT, MULTI-UNIT LEVEL




platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 3
- 4
- 5

OC INSERT, PLASTIC

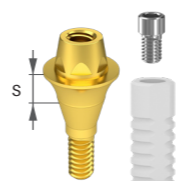


platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

normal ball diameter: 2,5 mm
micro ball diameter: 1,8 mm

MULTI-UNIT ABUTMENT, STRAIGHT, SCREWABLE




platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 0,5
- 1
- 2
- 3
- 4
- 5
- 6
- 7

MC - MULTI-UNIT CONE, SR



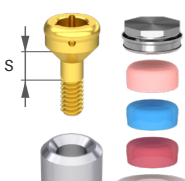
platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 0
- 1
- 2
- 3

LOCATOR ABUTMENT, MULTI-UNIT LEVEL SR




platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 3
- 4
- 5

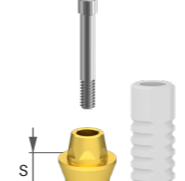
O-RING



platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

MULTI-UNIT ABUTMENT, STRAIGHT, THROUGH-BOLTED




platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 0,5
- 1
- 2
- 3
- 4
- 5
- 6
- 7

MC - BALL ABUTMENT CONE



platform (mm)

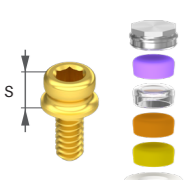
- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 0
- 1
- 2
- 3

normal ball diameter: 2,5 mm
micro ball diameter: 1,8 mm

LOCATOR ABUTMENT, MINI, MULTI-UNIT LEVEL




platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

sulkus (S mm)

- 3
- 4
- 5

O-RING'S METAL CAP

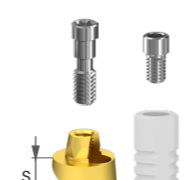


platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

normal ball diameter: 2,5 mm
micro ball diameter: 1,8 mm

MULTI-UNIT ABUTMENT, ANGLED



platform (mm)

- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0


sulkus (S mm)

- 1
- 2
- 3
- 4
- 5
- 6

angle (°)

- 20
- 30

MC - LOCATOR ABUTMENT CONE

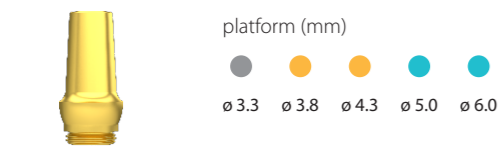


platform (mm)

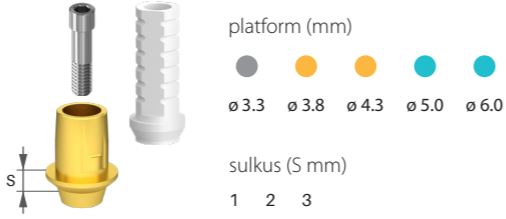
- ø 3.3
- ø 3.8
- ø 4.3
- ø 5.0
- ø 6.0

The available sizes of **CORTILOG PCL** abutments

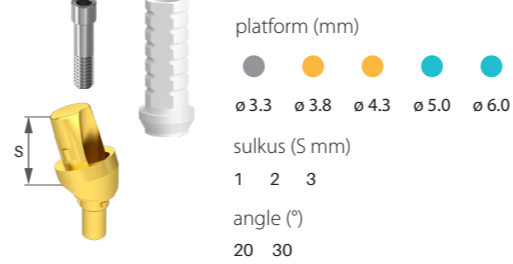
MC - ADAPTABLE CONE



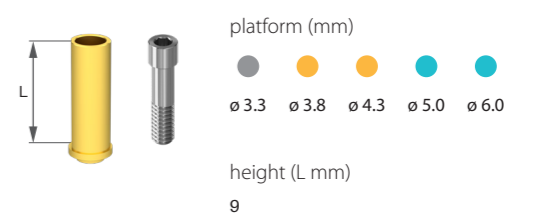
TITANIUM BASE, NON-POSITIONED



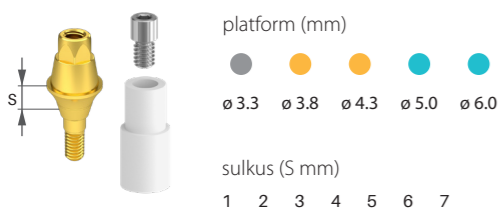
TITANIUM BASE, ANGLED



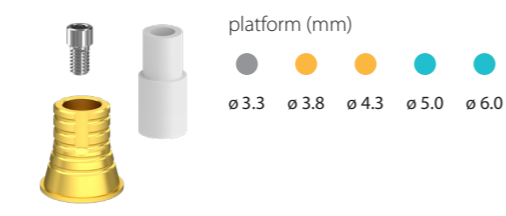
TUBE ABUTMENT, NON-POSITIONED



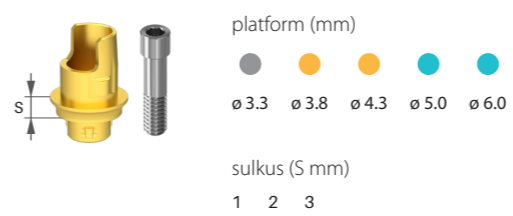
MULTI-UNIT SR ABUTMENT, STRAIGHT



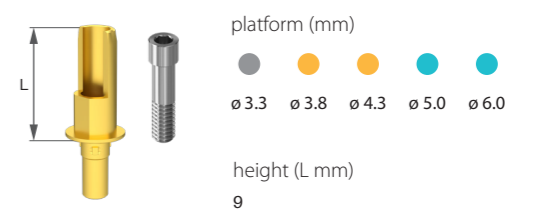
TITANIUM BASE, MULTI-UNIT LEVEL, POSITIONED



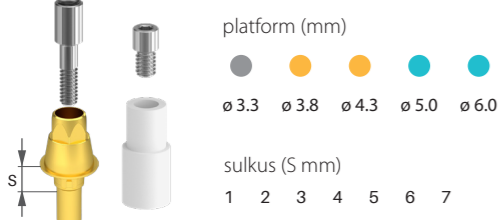
FLEXI BASE



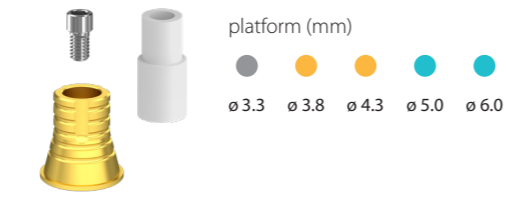
TUBE ABUTMENT, STEPPED, POSITIONED



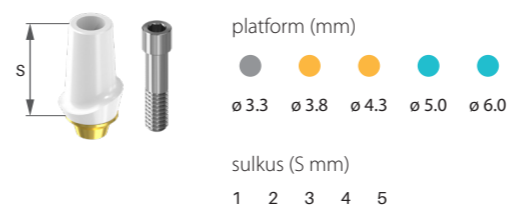
MULTI-UNIT SR ABUTMENT, THROUGH-BOLTED



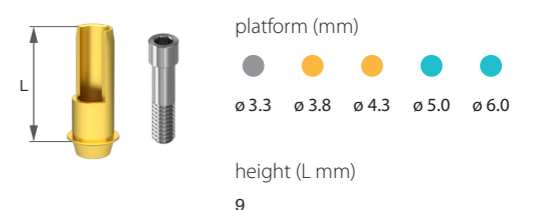
TITANIUM BASE, MULTI-UNIT LEVEL, NON-POSITIONED



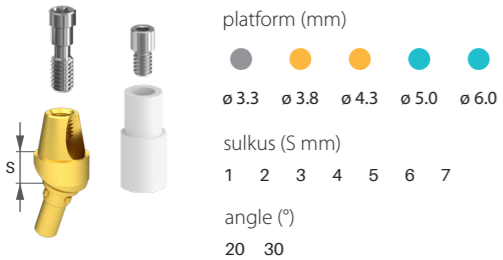
ZIRCON ABUTMENT, WITH TITANIUM BASE



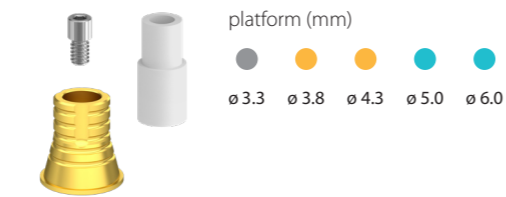
TUBE ABUTMENT, STEPPED, NON-POSITIONED



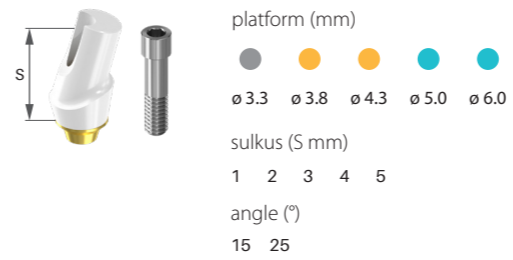
MULTI-UNIT SR ABUTMENT, ANGLED



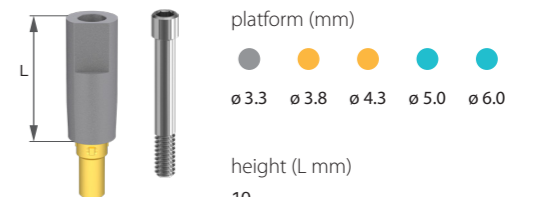
TITANIUM BASE, MULTI-UNIT LEVEL, POSITIONED, SR



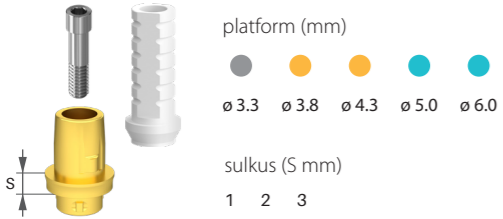
ZIRCON ABUTMENT, WITH TITANIUM BASE, ANGLED



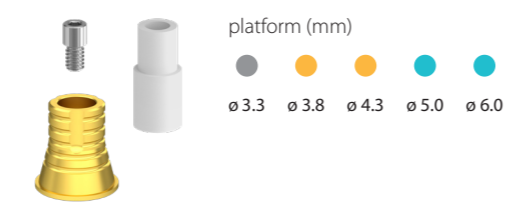
SCANBODY, THROUGH-BOLTED, POSITIONED



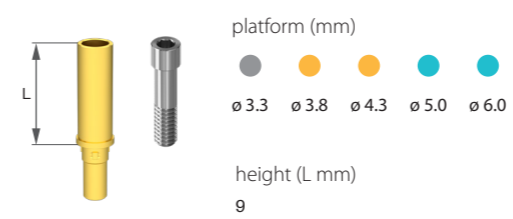
TITANIUM BASE, POSITIONED



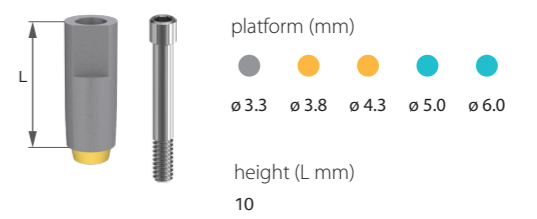
TITANIUM BASE, MULTI-UNIT LEVEL, NON-POSITIONED, SR



TUBE ABUTMENT, POSITIONED



SCANBODY, THROUGH-BOLTED, NON-POSITIONED



The available sizes of **CORTILOG PCL** abutments

SCANBODY, THROUGH-BOLTED, MULTI-UNIT LEVEL, POSITIONED

platform (mm)
 ● ø 3.3 ● ø 3.8 ● ø 4.3 ● ø 5.0 ● ø 6.0

height (L mm)
 12

SPACER, MULTI-UNIT LEVEL, POSITIONED

platform (mm)
 ● ø 3.3 ● ø 3.8 ● ø 4.3 ● ø 5.0 ● ø 6.0

sulkus (S mm)
 1 2 3

SCANBODY, THROUGH-BOLTED, MULTI-UNIT LEVEL, NON-POSITIONED

platform (mm)
 ● ø 3.3 ● ø 3.8 ● ø 4.3 ● ø 5.0 ● ø 6.0

height (L mm)
 12

SPACER, MULTI-UNIT LEVEL, NON-POSITIONED

platform (mm)
 ● ø 3.3 ● ø 3.8 ● ø 4.3 ● ø 5.0 ● ø 6.0

sulkus (S mm)
 1 2 3

SPACER, IMPLANT LEVEL, POSITIONED

platform (mm)
 ● ø 3.3 ● ø 3.8 ● ø 4.3 ● ø 5.0 ● ø 6.0

sulkus (S mm)
 1 2 3

TEST ABUTMENT

platform (mm)
 ● ø 3.3 ● ø 3.8 ● ø 4.3 ● ø 5.0 ● ø 6.0

height (L mm)
 11

SPACER, IMPLANT LEVEL, NON-POSITIONED

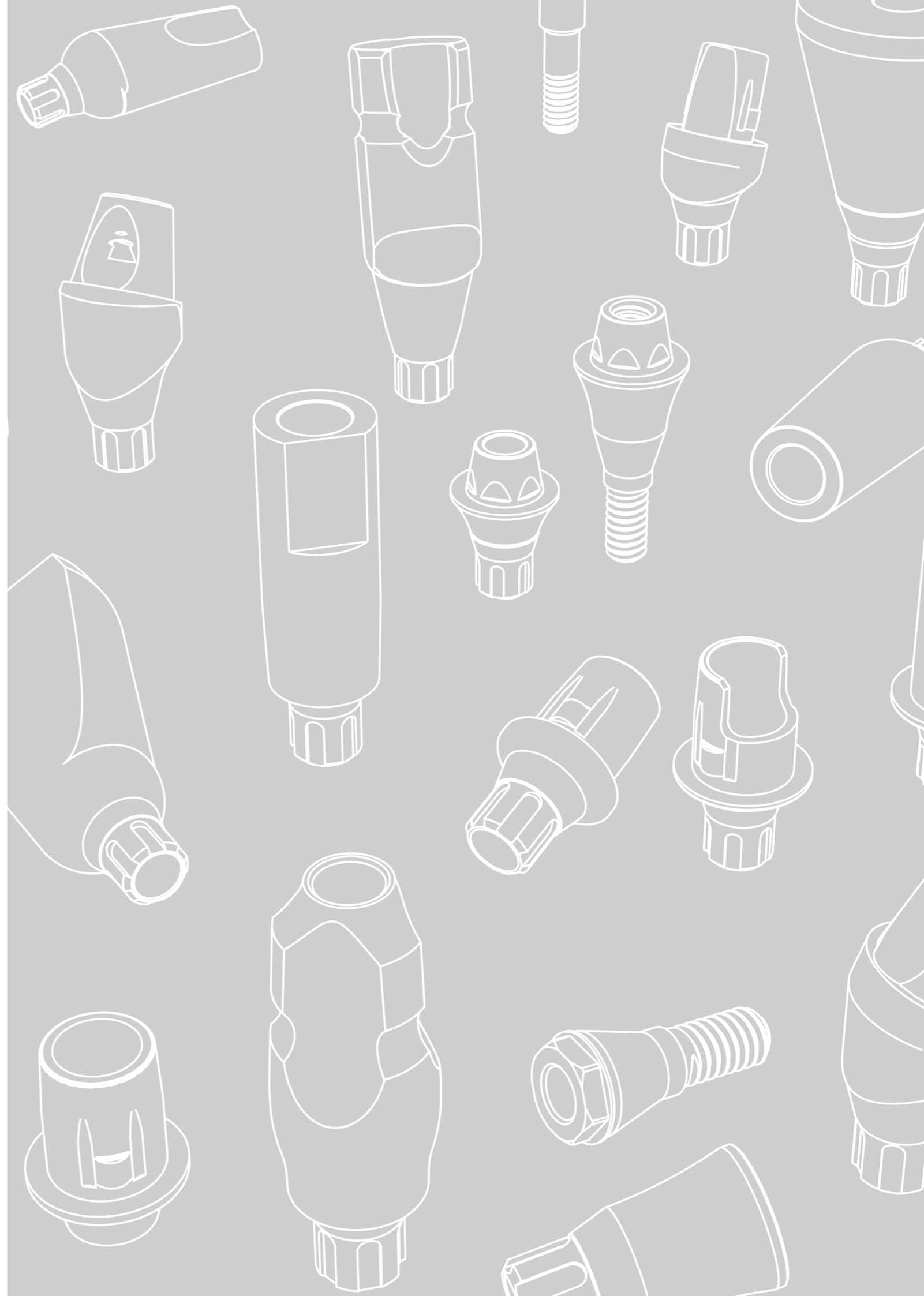
platform (mm)
 ● ø 3.3 ● ø 3.8 ● ø 4.3 ● ø 5.0 ● ø 6.0

sulkus (S mm)
 1 2 3

TEST ABUTMENT, ANGLED

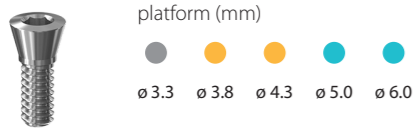
platform (mm)
 ● ø 3.3 ● ø 3.8 ● ø 4.3 ● ø 5.0 ● ø 6.0

height(L mm)
 11

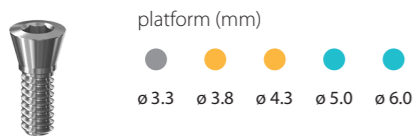


The available sizes of **CORTILOG PCL** screws

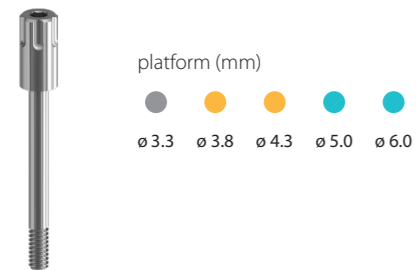
LOCKING SCREW



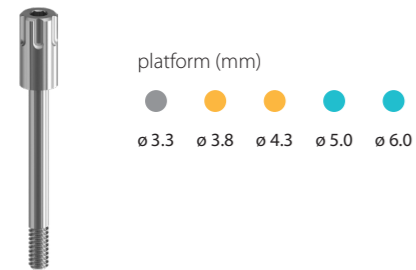
LOCKING SCREW, FOR SPACER



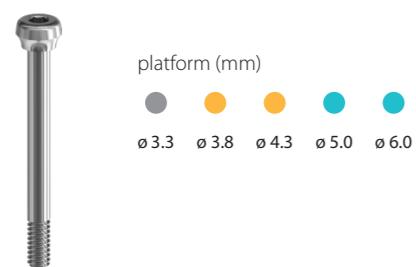
IMPRESSION COPING SCREW, FOR OPEN TRAY



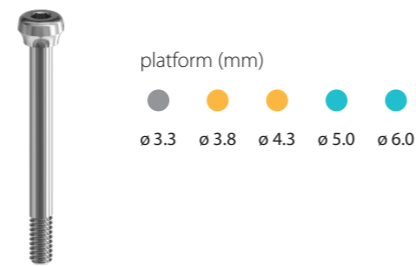
IMPRESSION COPING SCREW, FOR OPEN TRAY, MULTI-UNIT LEVEL



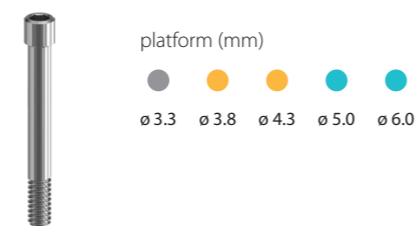
IMPRESSION COPING SCREW, FOR CLOSED TRAY



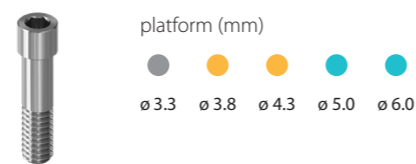
IMPRESSION COPING SCREW, FOR CLOSED TRAY, MULTI-UNIT LEVEL



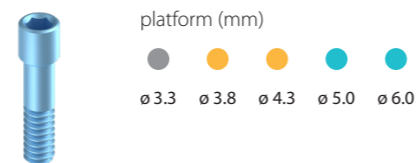
IMPRESSION COPING SCREW, FOR CLOSED TRAY, MULTI-UNIT LEVEL, PARALLEL



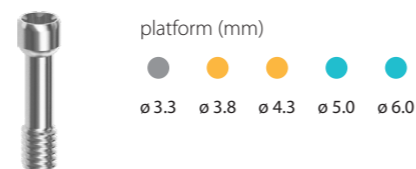
SURGICAL ABUTMENT SCREW



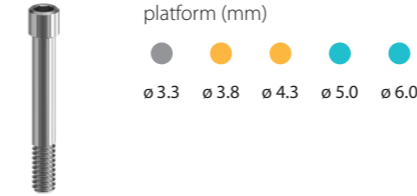
SURGICAL ABUTMENT SCREW, TECHNICAL



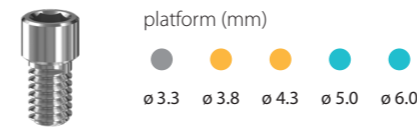
SURGICAL ABUTMENT SCREW PCT



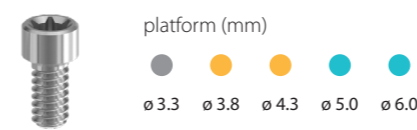
MULTI-UNIT THROUGH-BOLT



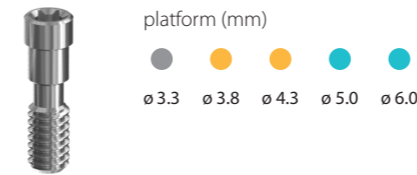
MULTI-UNIT ABUTMENT SCREW



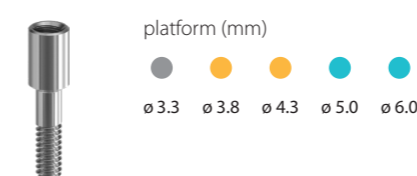
MULTI-UNIT ABUTMENT SCREW, PCT



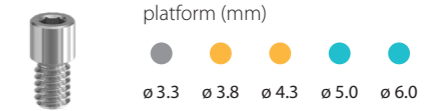
MULTI-UNIT ABUTMENT SCREW, FOR ANGLED ABUTMENT



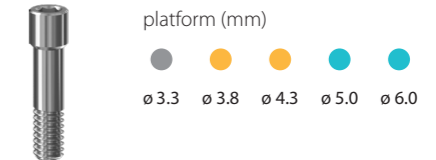
MULTI-UNIT THROUGH-BOLT, SR



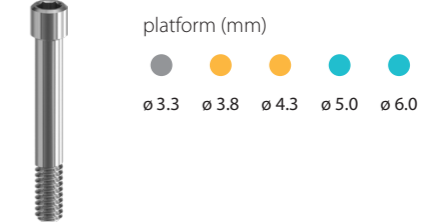
MULTI-UNIT ABUTMENT SCREW, SR



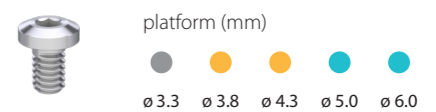
BR INTERFACE ABUTMENT SCREW



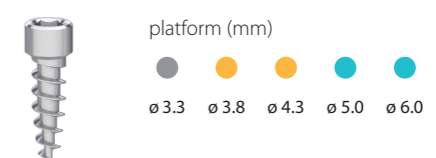
SCANBODY THROUGH-BOLT



LAB ANALOG SCREW



DENTAL RETAINING SCREW

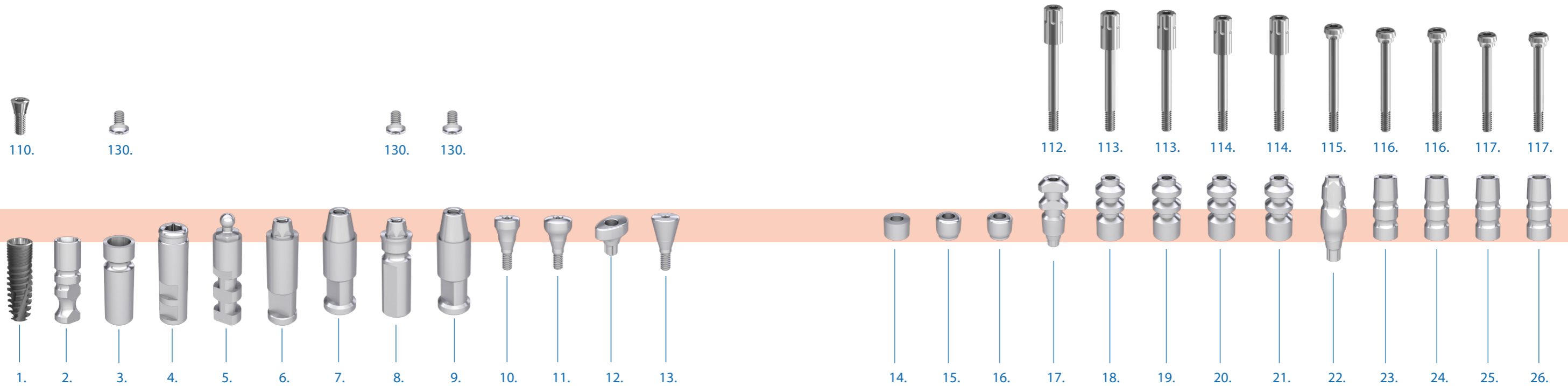


CORTILOG CCL abutment system

1. IMPLANTS

PROSTHETIC ELEMENTS

- 2. Lab analog
- 3. Lab analog, for digital scan
- 4. Lab analog, locator
- 5. Lab analog, ball attachment
- 6. Lab analog, multi-unit
- 7. Lab analog, multi-unit SR
- 8. Lab analog, multi-unit digital
- 9. Lab analog, multi-unit digital SR
- 10. Healing abutment, narrow
- 11. Healing abutment, anatomical
- 12. Healing abutment, anatomical, local
- 13. Healing abutment, conical
- 14. Healing abutment, multi-unit
- 15. Healing abutment, multi-unit SR
- 16. Healing abutment, multi-unit, local
- 17. Impression coping for open tray
- 18. Impression coping for open tray, multi-unit level, positioned
- 19. Impression coping for open tray, multi-unit level, non-positioned
- 20. Impression coping for open tray, multi-unit level, positioned, SR
- 21. Impression coping for open tray, multi-unit level, non-positioned, SR
- 22. Impression coping for closed tray
- 23. Impression coping for closed tray, multi-unit level, positioned
- 24. Impression coping for closed tray, multi-unit level, non-positioned
- 25. Impression coping for closed tray, multi-unit level, positioned, SR
- 26. Impression coping for closed tray, multi-unit level, non-positioned, SR



CORTILOG CCL abutment system

- 27. Impression coping for closed tray, parallel
- 28. Impression coping for closed tray, angled
- 29. Temporary abutment, implant level, positioned
- 30. Temporary abutment, multi-unit level, positioned
- 31. Temporary abutment, multi-unit level, non-positioned
- 32. Temporary abutment, multi-unit level, positioned, SR

- 33. Temporary abutment, multi-unit level, non-positioned SR

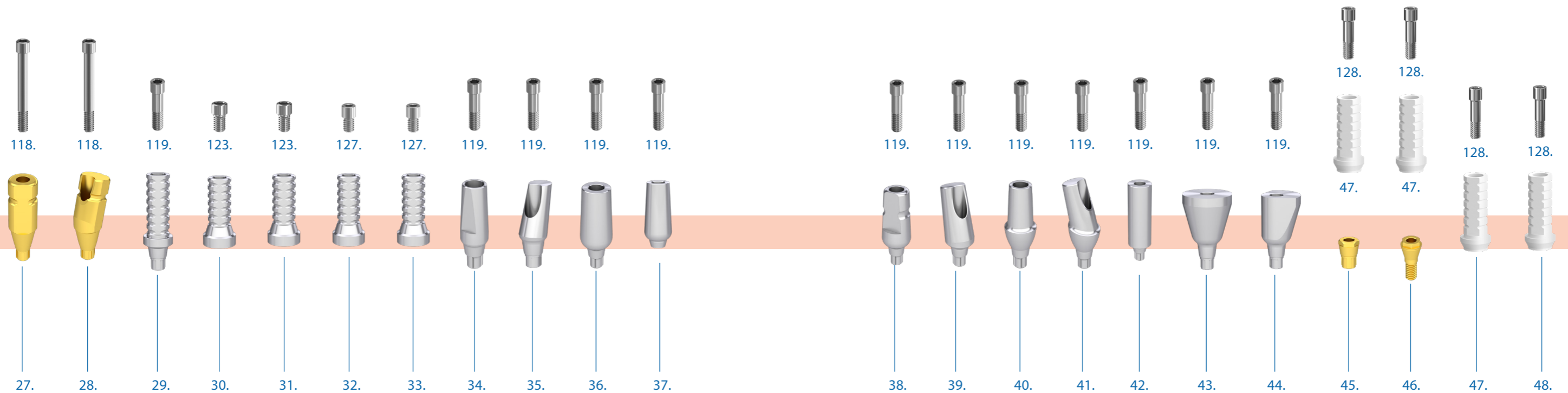
FOR CEMENT-RETAINED RESTORATIONS

- 34. Narrow abutment, straight
- 35. Narrow abutment, angled
- 36. Universal abutment, straight, positioned
- 37. Universal abutment, straight, non-positioned

- 38. Universal abutment, straight MV
- 39. Universal abutment, angled
- 40. Anatomical abutment, straight
- 41. Anatomical abutment, angled
- 42. Cylindrical abutment
- 43. Trapezoidal abutment
- 44. Delta abutment

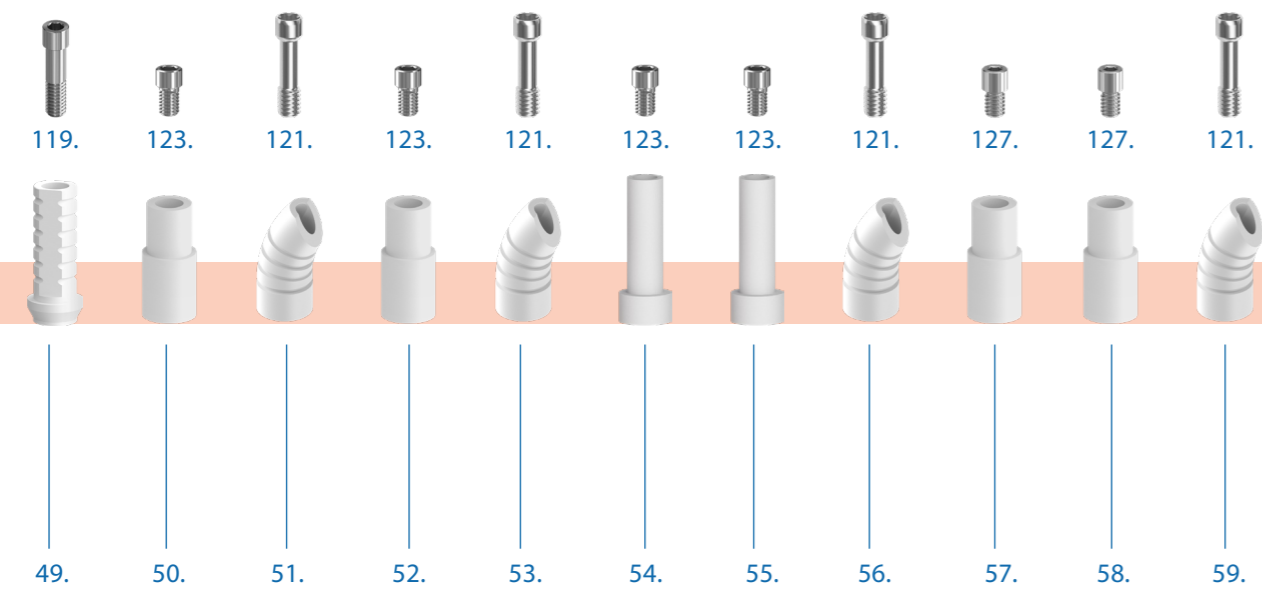
CASTING ABUTMENTS

- 45. BR interface
- 46. BR interface, screwable
- 47. Castable plastic abutment, for BR interface, positioned
- 48. Castable plastic abutment, for BR interface, non-positioned



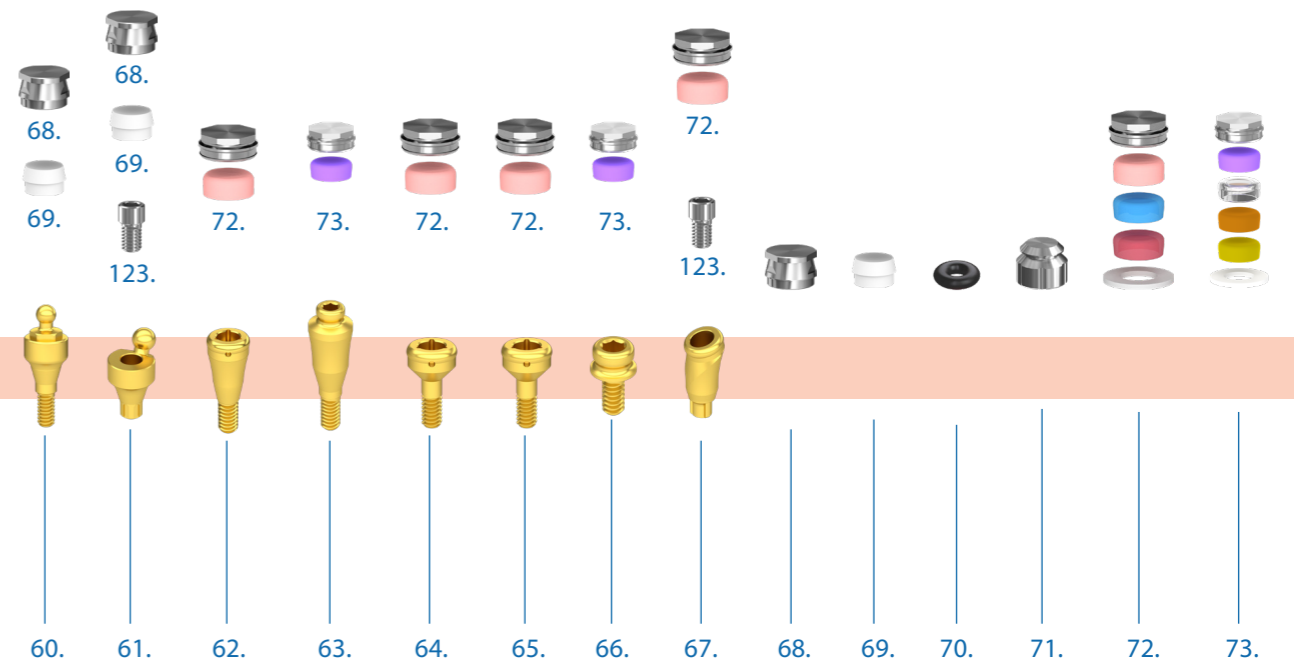
CORTILOG CCL abutment system

- 49. Castable plastic abutment, for titanium base
- 50. Castable plastic abutment, for multi-unit level titanium base
- 51. Castable plastic abutment, angled, for multi-unit level titanium base
- 52. Castable plastic abutment, for multi-unit level titanium base, SR
- 53. Castable plastic abutment, angled, for multi-unit level titanium base, SR
- 54. Castable plastic abutment, multi-unit level, positioned
- 55. Castable plastic abutment, multi-unit level, non-positioned
- 56. Castable plastic abutment, angled, multi-unit level
- 57. Castable plastic abutment, multi-unit level, positioned, SR
- 58. Castable plastic abutment, multi-unit level, non-positioned, SR
- 59. Castable plastic abutment, angled, multi-unit level SR



FOR SNAP IN DENTURES

- 60. Ball attachment abutment OC
- 61. Ball attachment abutment, angled OC
- 62. Locator abutment
- 63. Locator abutment, mini
- 64. Locator abutment, multi-unit level
- 65. Locator abutment, multi-unit level SR
- 66. Locator abutment, mini, multi-unit level
- 67. Locator abutment, angled
- 68. OC cap, metal
- 69. OC insert, plastic
- 70. O-ring
- 71. O-ring's metal cap
- 72. Locator cap set
- 73. Microlock cap set



CORTILOG CCL abutment system

FOR SCREW-RETAINED RESTORATIONS

- 74. Multi-unit abutment, straight, screwable
- 75. Multi-unit abutment, straight, through-bolted
- 76. Multi-unit abutment, angled
- 77. Multi-Compact abutment, cup
- 78. MC - multi-unit cone
- 79. MC - multi-unit cone, SR
- 80. MC - ball abutment cone

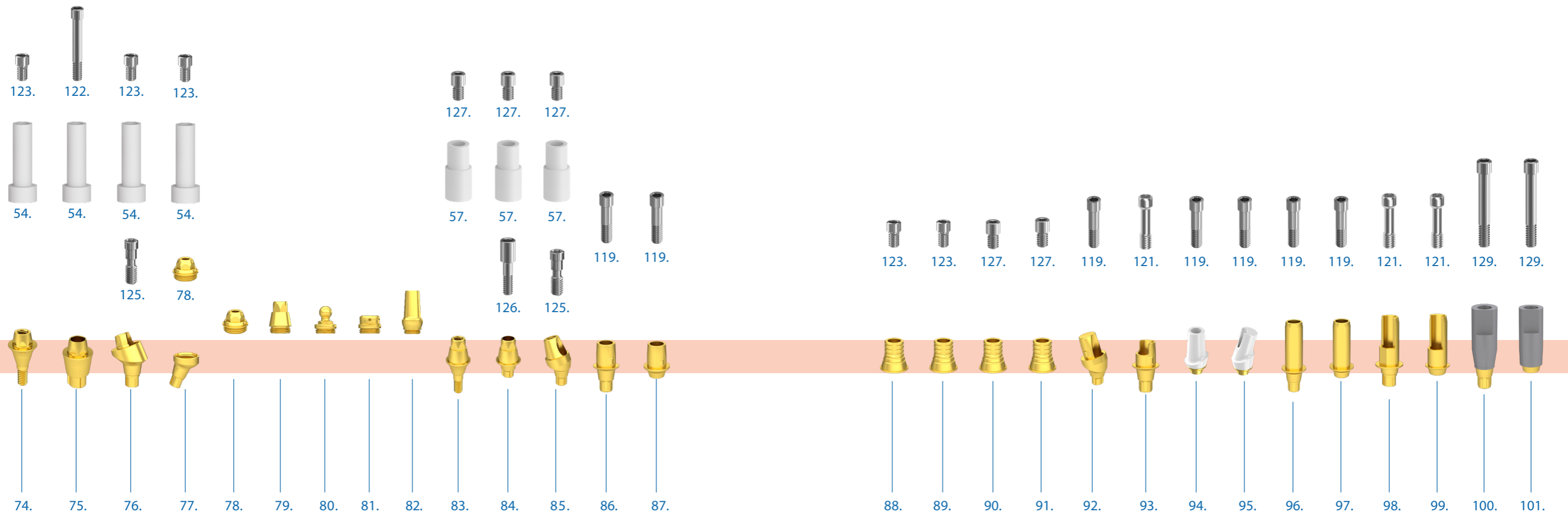
- 81. MC - locator abutment cone
- 82. MC - adaptable cone
- 83. Multi-unit SR abutment, straight
- 84. Multi-unit SR abutment, through-bolted
- 85. Multi-unit SR abutment, angled

ELEMENTS OF THE CAD-CAM SYSTEM

- 86. Titanium base, positioned
- 87. Titanium base, non-positioned

- 88. Titanium base, multi-unit level, positioned
- 89. Titanium base, multi-unit level, non-positioned
- 90. Titanium base, multi-unit level, positioned, SR
- 91. Titanium base, multi-unit level, non-positioned, SR
- 92. Titanium base, angled
- 93. Flexi base
- 94. Zircon abutment, with titanium base

- 95. Zircon abutment, with titanium base, angled
- 96. Tube abutment, positioned
- 97. Tube abutment, non-positioned
- 98. Tube abutment, stepped, positioned
- 99. Tube abutment, stepped, non-positioned
- 100. Scanbody, through-bolted, positioned
- 101. Scanbody, through-bolted, non-positioned



CORTILOG CCL abutment system

102. Scanbody, through-bolted, multi-unit level, positioned

103. Scanbody, through-bolted, multi-unit level, non-positioned

OTHER ABUTMENTS

104. Spacer, implant level, positioned

105. Spacer, implant level, non-positioned

106. Spacer, multi-unit level, positioned

107. Spacer, multi-unit level, non-positioned

108. Test abutment

109. Test abutment, angled

SCREWS

110. Locking screw

111. Locking screw, for spacer

112. Impression coping screw, for open tray

113. Impression coping screw, for open tray, multi-unit level

114. Impression coping screw, for open tray, multi-unit level, SR

115. Impression coping screw, for closed tray

116. Impression coping screw, for closed tray, multi-unit level

117. Impression coping screw, for closed tray, multi-unit level, SR

118. Impression coping screw, for closed tray, multi-unit level, parallel

119. Surgical abutment screw

120. Surgical abutment screw, technical

121. Surgical abutment screw PCT

122. Multi-unit through-bolt

123. Multi-unit abutment screw

124. Multi-unit abutment screw, PCT

125. Multi-unit abutment screw, for angled abutment

126. Multi-unit through-bolt, SR

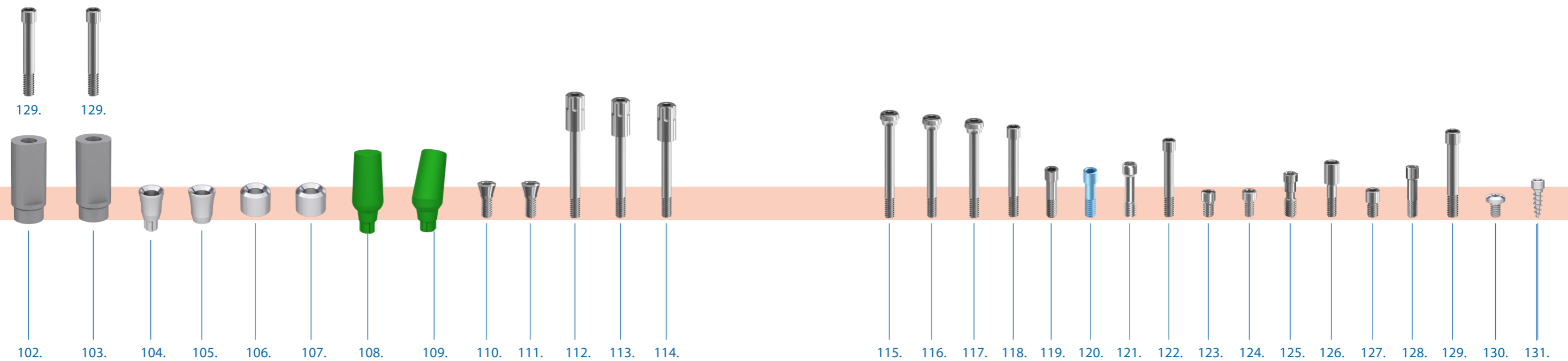
127. Multi-unit abutment screw, SR

128. BR interface Multi-unit abutment screw

129. Scanbody through-bolt

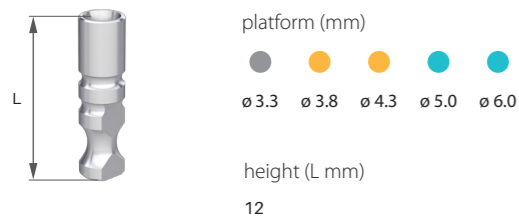
130. Lab analog screw

131. Dental retaining screw

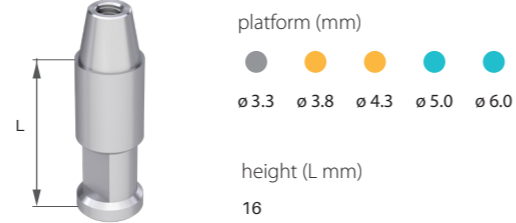


The available sizes of **CORTILOG CCL** abutments

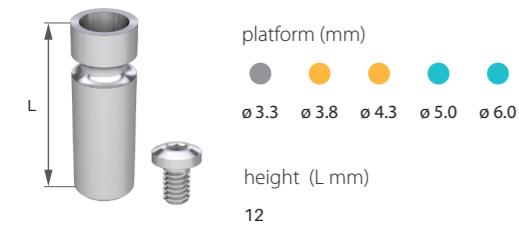
LAB ANALOG



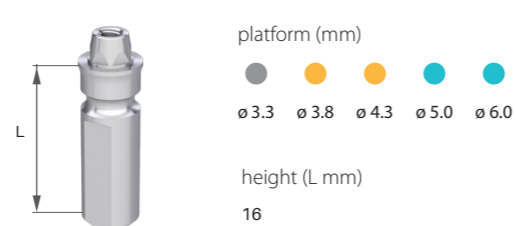
LAB ANALOG, MULTI-UNIT SR



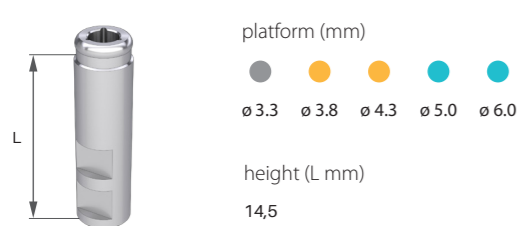
LAB ANALOG, FOR DIGITAL SCAN



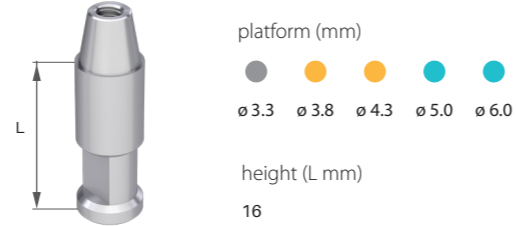
LAB ANALOG, MULTI-UNIT DIGITAL



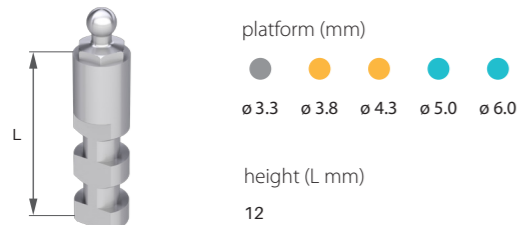
LAB ANALOG, LOCATOR



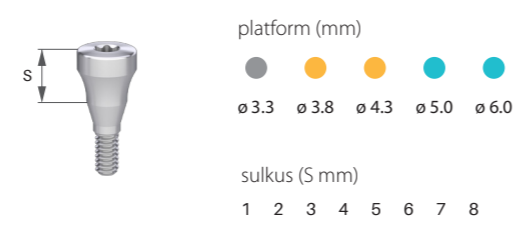
LAB ANALOG, MULTI-UNIT DIGITAL SR



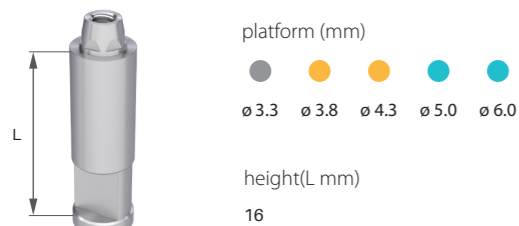
LAB ANALOG, BALL ATTACHMENT



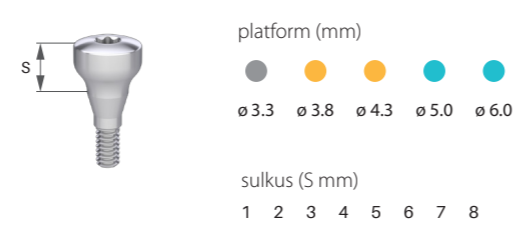
HEALING ABUTMENT, NARROW



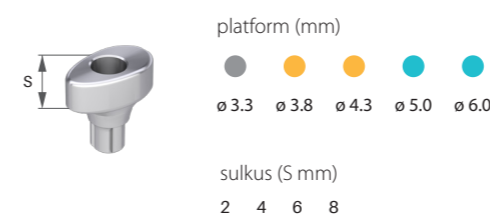
LAB ANALOG, MULTI-UNIT



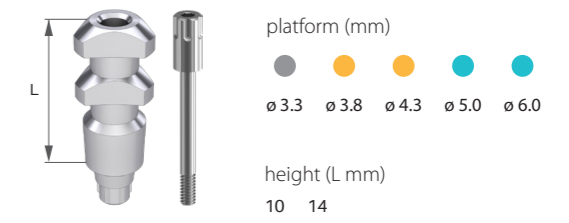
HEALING ABUTMENT, ANATOMICAL



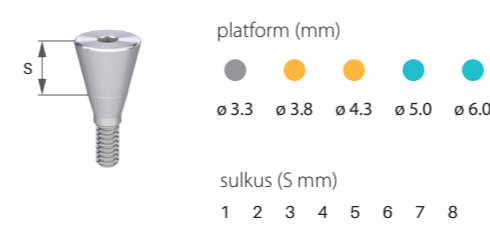
HEALING ABUTMENT, ANATOMICAL, LOCAL



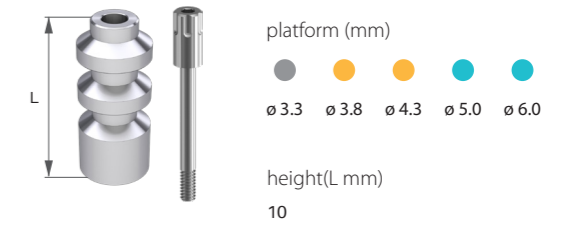
IMPRESSION COPING FOR OPEN TRAY



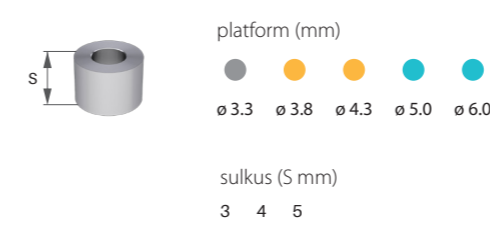
HEALING ABUTMENT, CONICAL



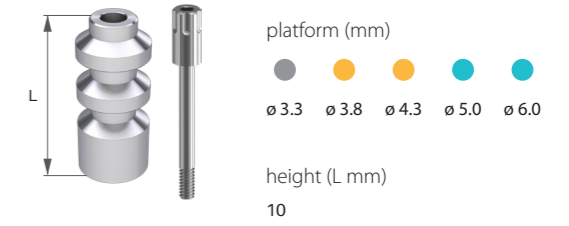
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, POSITIONED



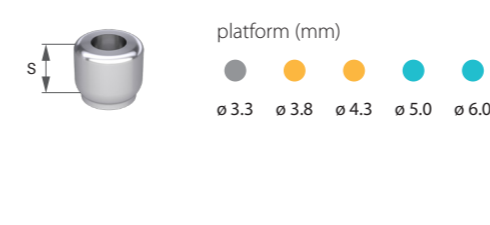
HEALING ABUTMENT, MULTI-UNIT



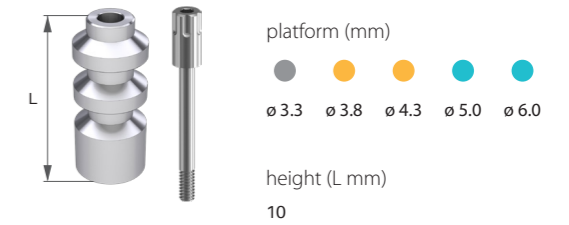
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, NON-POSITIONED



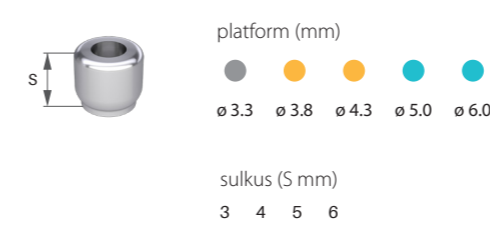
HEALING ABUTMENT, MULTI-UNIT SR



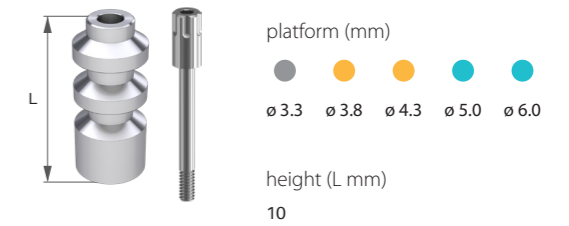
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, POSITIONED, SR



HEALING ABUTMENT, MULTI-UNIT, LOCAL

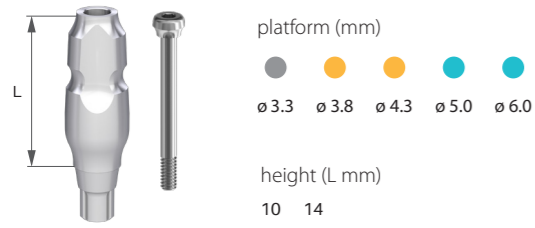


IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, NON-POSITIONED, SR

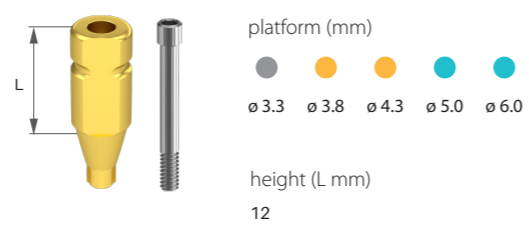


The available sizes of **CORTILOG CCL** abutments

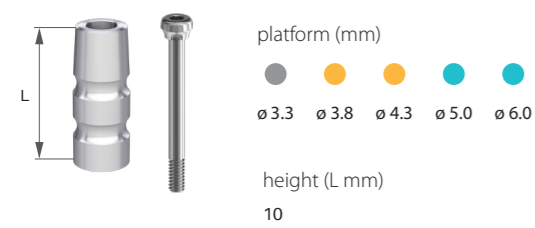
IMPRESSION COPING FOR CLOSED TRAY



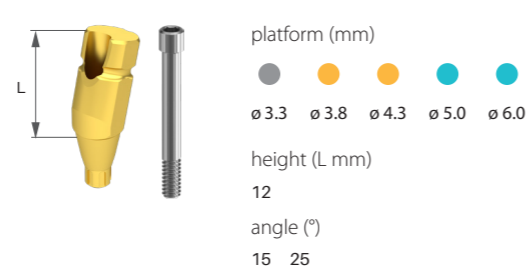
IMPRESSION COPING FOR CLOSED TRAY, PARALLEL



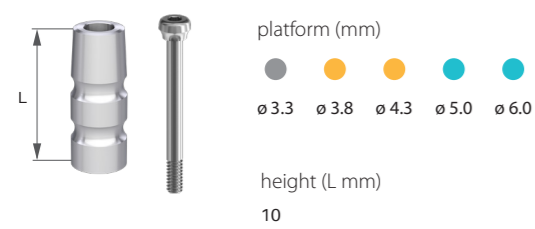
IMPRESSION COPING FOR CLOSED TRAY, MULTI-UNIT LEVEL, POSITIONED



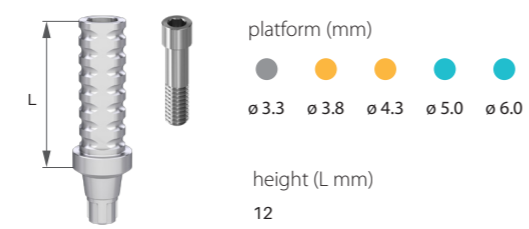
IMPRESSION COPING FOR CLOSED TRAY, ANGLED



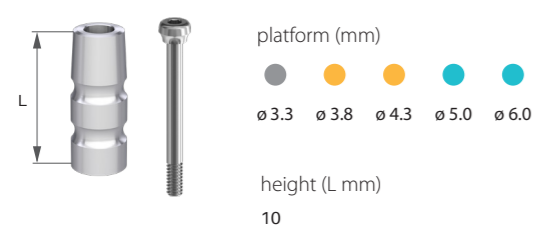
IMPRESSION COPING FOR CLOSED TRAY, MULTI-UNIT LEVEL, NON-POSITIONED



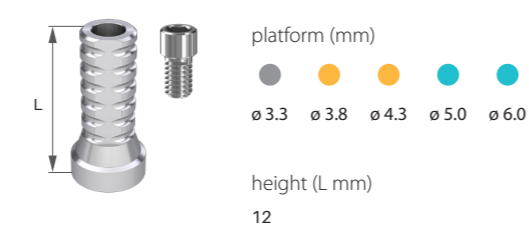
TEMPORARY ABUTMENT, IMPLANT LEVEL, POSITIONED



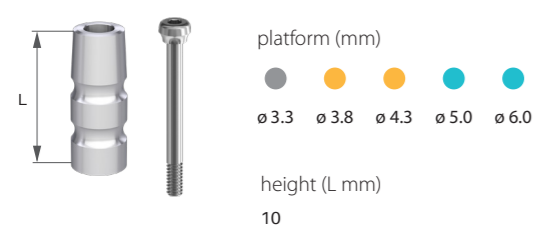
IMPRESSION COPING FOR CLOSED TRAY, MULTI-UNIT LEVEL, POSITIONED, SR



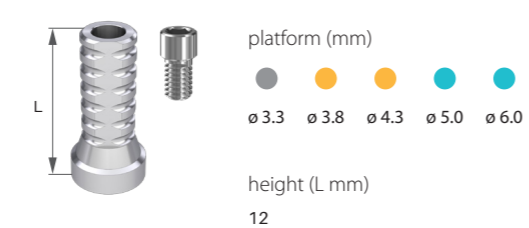
TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, POSITIONED



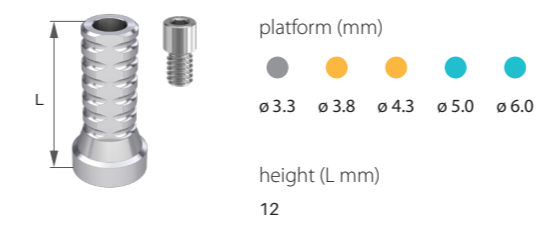
IMPRESSION COPING FOR CLOSED TRAY, MULTI-UNIT LEVEL, NON-POSITIONED, SR



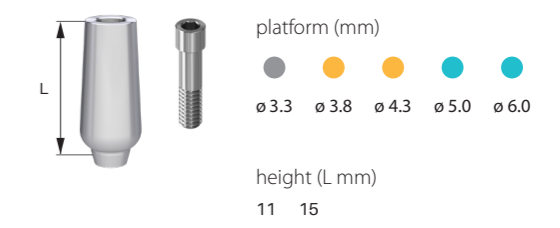
TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED



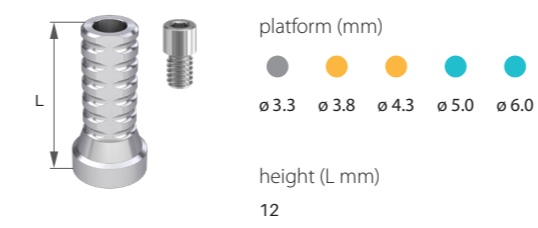
TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, POSITIONED, SR



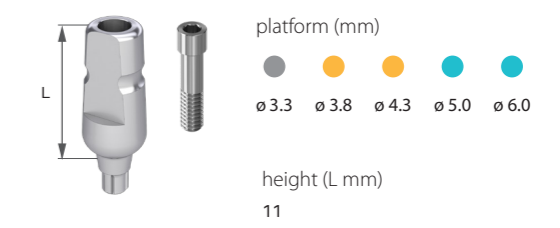
UNIVERSAL ABUTMENT, STRAIGHT, NON-POSITIONED



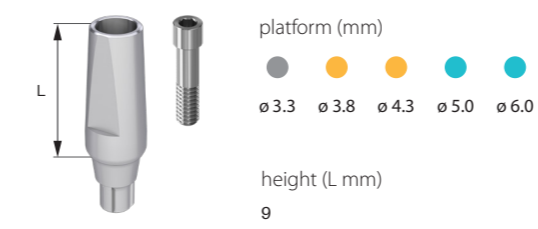
TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED SR



UNIVERSAL ABUTMENT, STRAIGHT MV



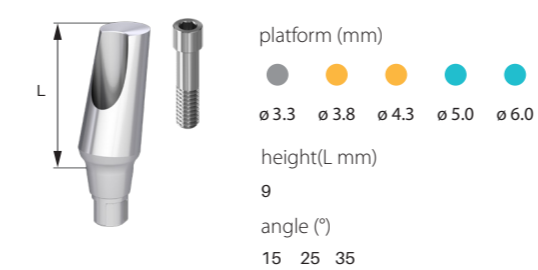
NARROW ABUTMENT, STRAIGHT



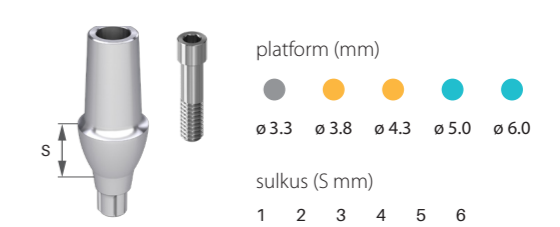
UNIVERSAL ABUTMENT, ANGLED



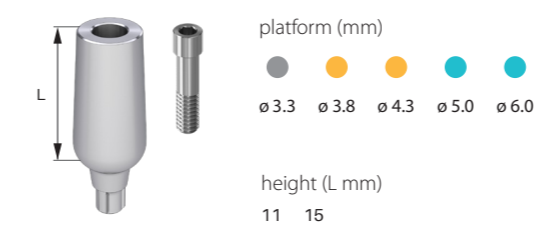
NARROW ABUTMENT, ANGLED



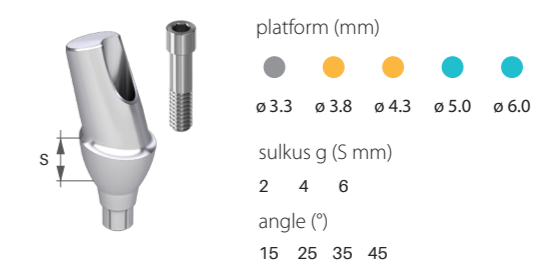
ANATOMICAL ABUTMENT, STRAIGHT



UNIVERSAL ABUTMENT, STRAIGHT, POSITIONED

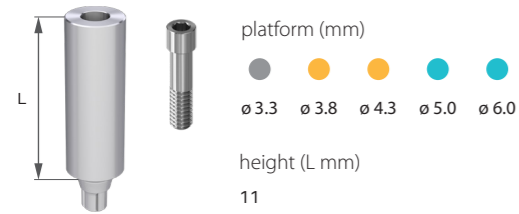


ANATOMICAL ABUTMENT, ANGLED



The available sizes of **CORTILOG CCL** abutments

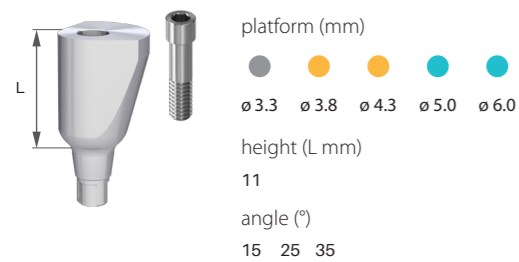
CYLINDRICAL ABUTMENT



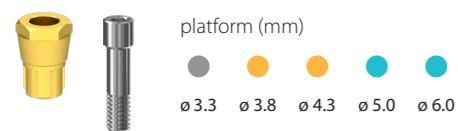
TRAPEZOIDAL ABUTMENT



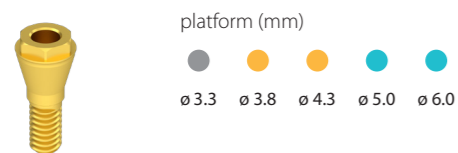
DELTA ABUTMENT



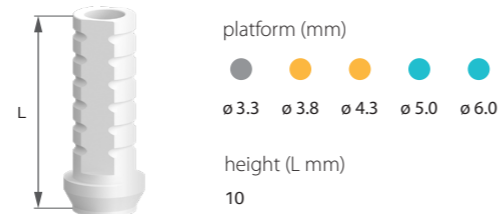
BR INTERFACE



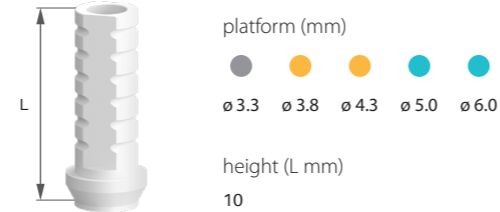
BR INTERFACE, SCREWABLE



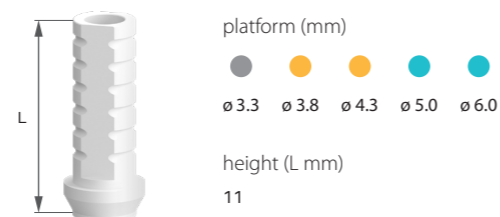
CASTABLE PLASTIC ABUTMENT, FOR BR INTERFACE, POSITIONED



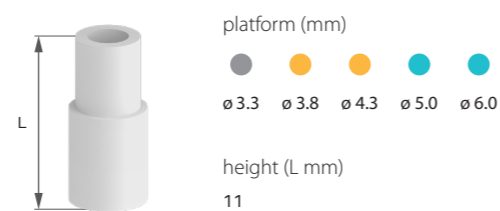
CASTABLE PLASTIC ABUTMENT, FOR BR INTERFACE, NON-POSITIONED



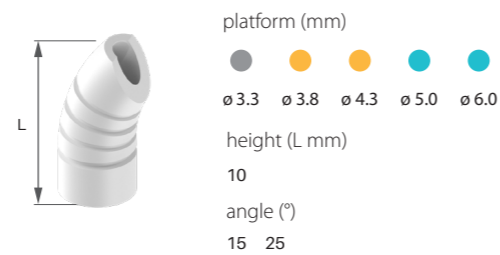
CASTABLE PLASTIC ABUTMENT, FOR TITANIUM BASE



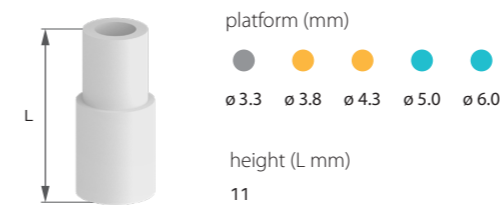
CASTABLE PLASTIC ABUTMENT, FOR MULTI-UNIT LEVEL TITANIUM BASE



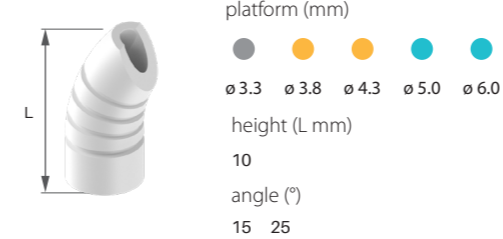
CASTABLE PLASTIC ABUTMENT, ANGLED, FOR MULTI-UNIT LEVEL TITANIUM BASE



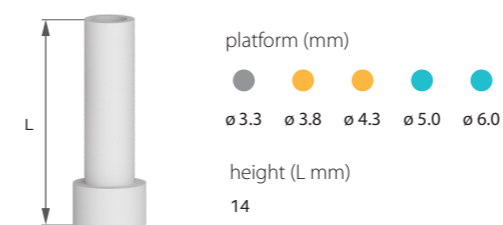
CASTABLE PLASTIC ABUTMENT, FOR MULTI-UNIT LEVEL TITANIUM BASE, SR



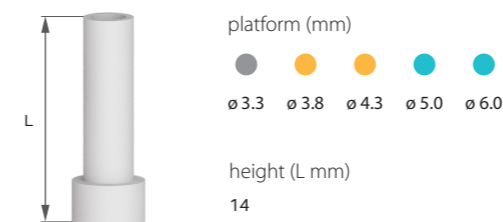
CASTABLE PLASTIC ABUTMENT, ANGLED, FOR MULTI-UNIT LEVEL TITANIUM BASE, SR



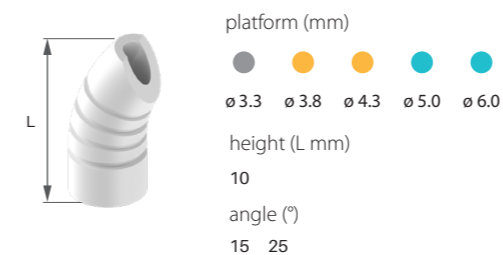
CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, POSITIONED



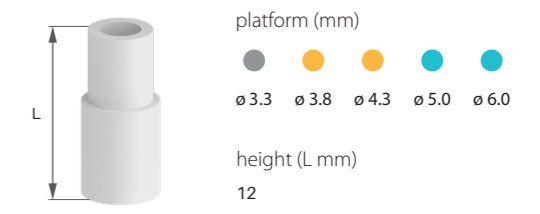
CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED



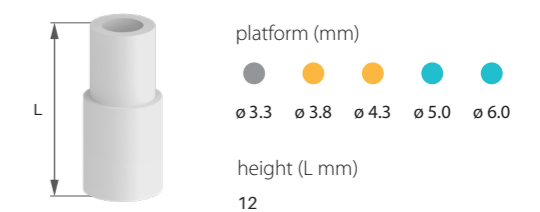
CASTABLE PLASTIC ABUTMENT, ANGLED, MULTI-UNIT LEVEL



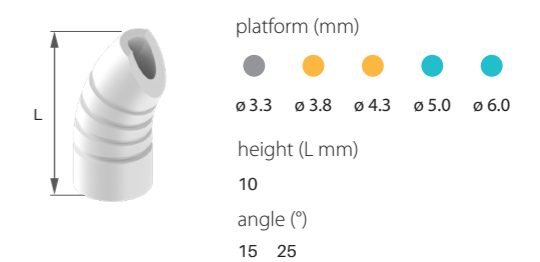
CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, POSITIONED, SR



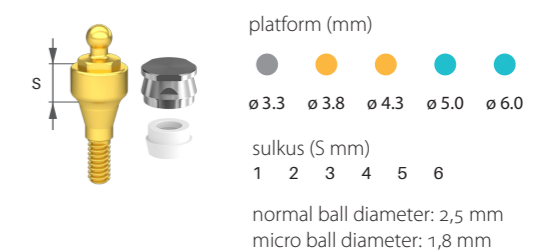
CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED, SR



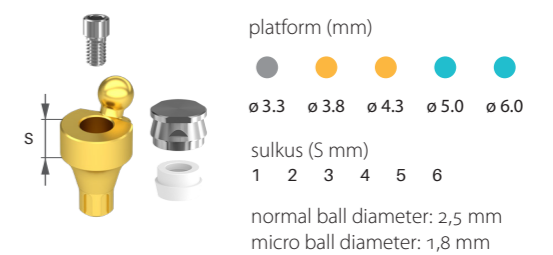
CASTABLE PLASTIC ABUTMENT, ANGLED, MULTI-UNIT LEVEL SR



BALL ATTACHMENT ABUTMENT OC



BALL ATTACHMENT ABUTMENT, ANGLED OC



The available sizes of **CORTILOG CCL** abutments

LOCATOR ABUTMENT

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 0,5 1 2 3 4 5 6 7 8 9

LOCATOR ABUTMENT, ANGLED

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 0,5 2 4 6

angle (°)
 15 25

LOCATOR ABUTMENT, MINI

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 1 2 3 4 5 6 7

OC CAP, METAL

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

normal ball diameter: 2,5 mm
 micro ball diameter: 1,8 mm

LOCATOR ABUTMENT, MULTI-UNIT LEVEL

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 3 4 5

OC INSERT, PLASTIC

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

normal ball diameter: 2,5 mm
 micro ball diameter: 1,8 mm

LOCATOR ABUTMENT, MULTI-UNIT LEVEL SR

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 3 4 5

O-RING

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

LOCATOR ABUTMENT, MINI, MULTI-UNIT LEVEL

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 3 4 5

O-RING'S METAL CAP

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

normal ball diameter: 2,5 mm
 micro ball diameter: 1,8 mm

LOCATOR CAP SET

pink cap:
 10-20° deviations, 1,4 kg retention

blue cap:
 10-20° deviations, 0,7 kg retention

red cap:
 20-40° deviations, 0,4 kg retention

MULTI-COMPACT ABUTMENT, CUP

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 2 3 4 5 6

angle (°)
 20 30

MICROLOCK CAP SET

purple cap:
 10-20° deviations, 2,5 kg retention

transparent cap:
 10-20° deviations, 1,8 kg retention

peach cap:
 20-40° deviations, 1,2 kg retention

yellow cap:
 20-40° deviations, 0,6 kg retention

MC - MULTI-UNIT CONE

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 0 1 2 3

MULTI-UNIT ABUTMENT, STRAIGHT, SCREWABLE

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 0,5 1 2 3 4 5 6 7

MC - MULTI-UNIT CONE, SR

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 0 1 2 3

MULTI-UNIT ABUTMENT, STRAIGHT, THROUGH-BOLTED

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 0,5 1 2 3 4 5 6 7

MC - BALL ABUTMENT CONE

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 0 1 2 3

normal ball diameter: 2,5 mm
 micro ball diameter: 1,8 mm

MULTI-UNIT ABUTMENT, ANGLED

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

sulkus (S mm)
 1 2 3 4 5 6

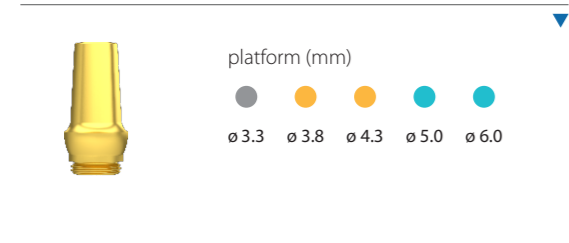
angle (°)
 20 30

MC - LOCATOR ABUTMENT CONE

platform (mm)
 ● 3.3 ● 3.8 ● 4.3 ● 5.0 ● 6.0

The available sizes of **CORTILOG CCL** abutments

MC - ADAPTABLE CONE



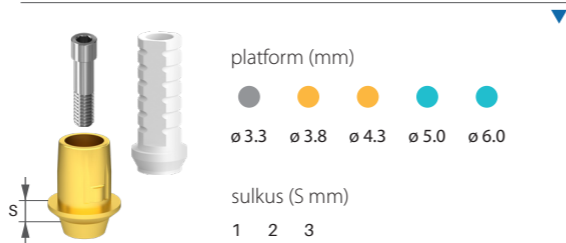
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

sulkus (S mm)

- 1
- 2
- 3

TITANIUM BASE, NON-POSITIONED



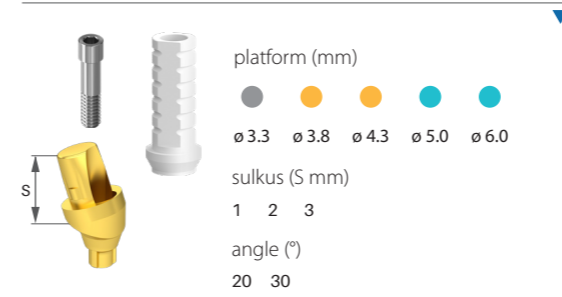
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

sulkus (S mm)

- 1
- 2
- 3

TITANIUM BASE, ANGLED



platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

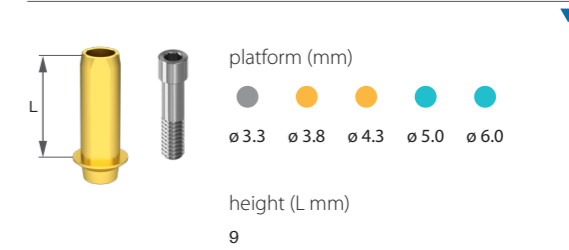
sulkus (S mm)

- 1
- 2
- 3

angle (°)

- 20
- 30

TUBE ABUTMENT, NON-POSITIONED



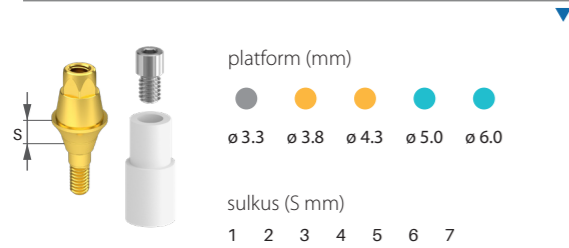
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

height (L mm)

- 9

MULTI-UNIT SR ABUTMENT, STRAIGHT



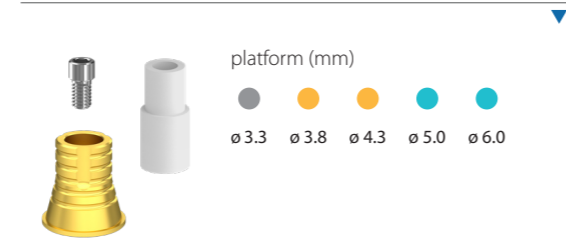
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

sulkus (S mm)

- 1
- 2
- 3
- 4
- 5
- 6
- 7

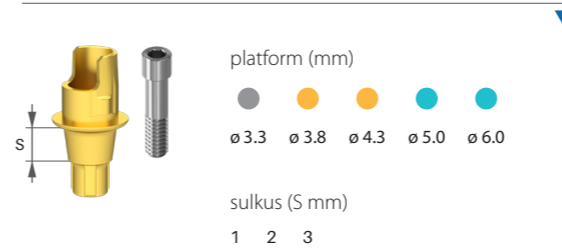
TITANIUM BASE, MULTI-UNIT LEVEL, POSITIONED



platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

FLEXI BASE



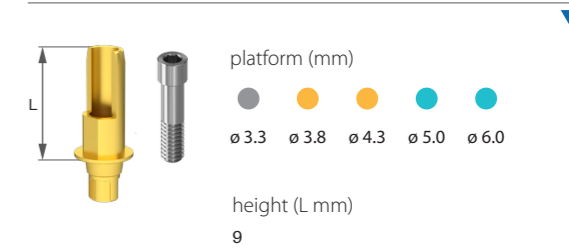
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

sulkus (S mm)

- 1
- 2
- 3

TUBE ABUTMENT, STEPPED, POSITIONED



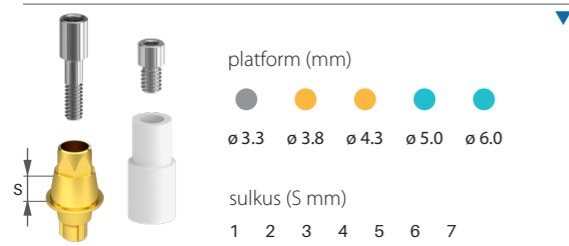
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

height (L mm)

- 9

MULTI-UNIT SR ABUTMENT, THROUGH-BOLTED



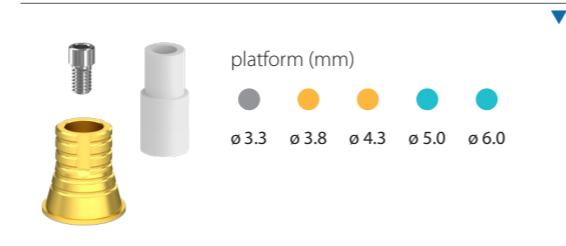
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

sulkus (S mm)

- 1
- 2
- 3
- 4
- 5
- 6
- 7

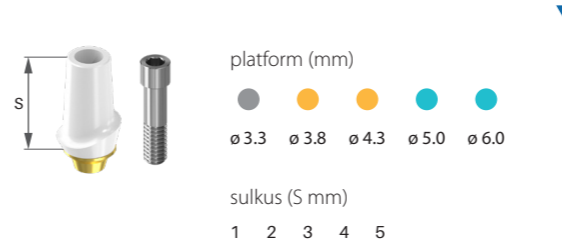
TITANIUM BASE, MULTI-UNIT LEVEL, NON-POSITIONED



platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

ZIRCON ABUTMENT, WITH TITANIUM BASE



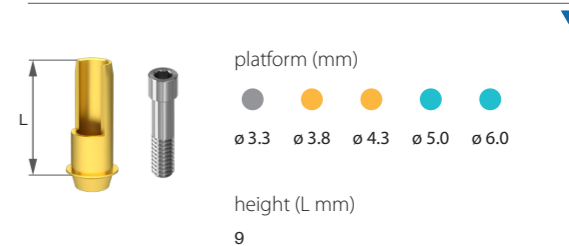
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

sulkus (S mm)

- 1
- 2
- 3
- 4
- 5

TUBE ABUTMENT, STEPPED, NON-POSITIONED



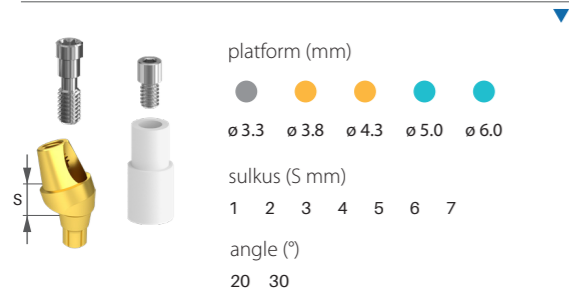
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

height (L mm)

- 9

MULTI-UNIT SR ABUTMENT, ANGLED



platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

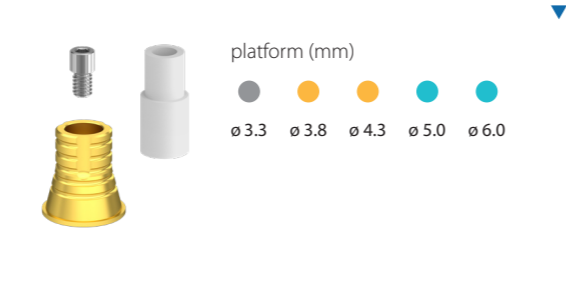
sulkus (S mm)

- 1
- 2
- 3
- 4
- 5
- 6
- 7

angle (°)

- 20
- 30

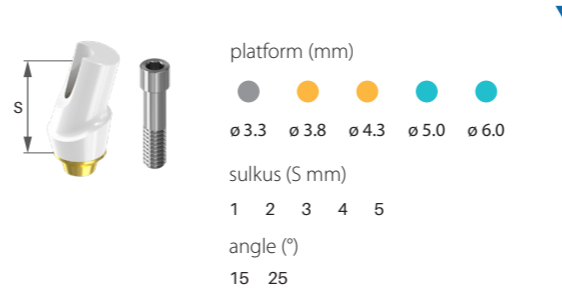
TITANIUM BASE, MULTI-UNIT LEVEL, POSITIONED, SR



platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

ZIRCON ABUTMENT, WITH TITANIUM BASE, ANGLED



platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

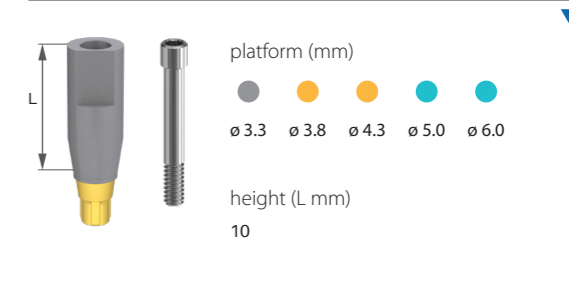
sulkus (S mm)

- 1
- 2
- 3
- 4
- 5

angle (°)

- 15
- 25

SCANBODY, THROUGH-BOLTED, POSITIONED



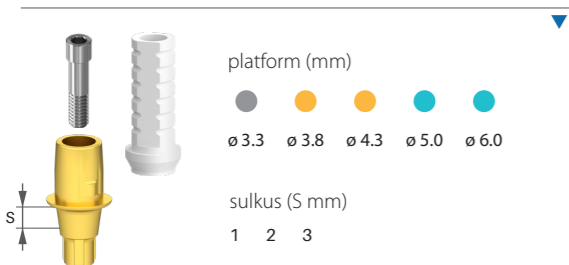
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

height (L mm)

- 10

TITANIUM BASE, POSITIONED



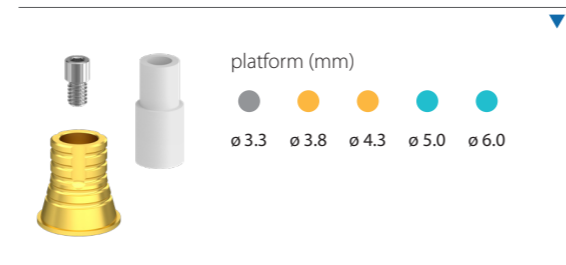
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

sulkus (S mm)

- 1
- 2
- 3

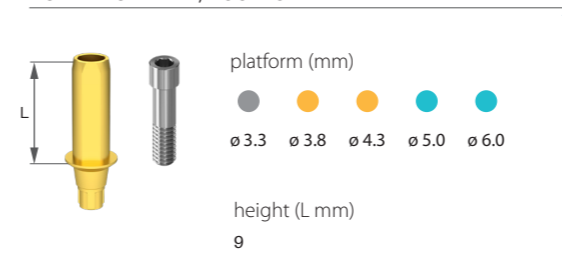
TITANIUM BASE, MULTI-UNIT LEVEL, NON-POSITIONED, SR



platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

TUBE ABUTMENT, POSITIONED



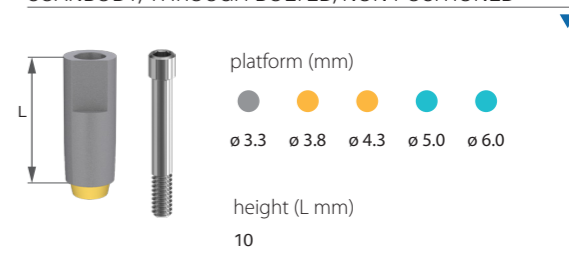
platform (mm)

- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

height (L mm)

- 9

SCANBODY, THROUGH-BOLTED, NON-POSITIONED



platform (mm)

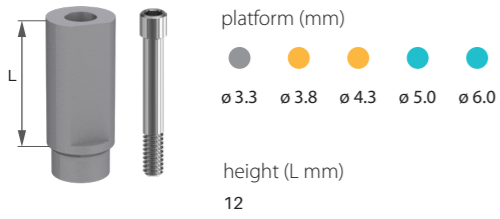
- 3.3
- 3.8
- 4.3
- 5.0
- 6.0

height (L mm)

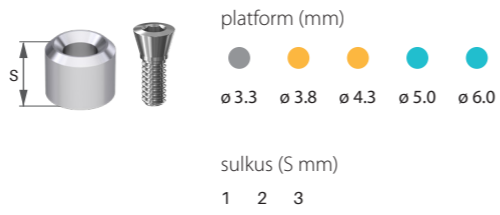
- 10

The available sizes of **CORTILOG CCL** abutments

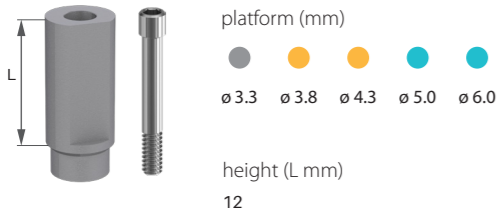
SCANBODY, THROUGH-BOLTED, MULTI-UNIT LEVEL, POSITIONED



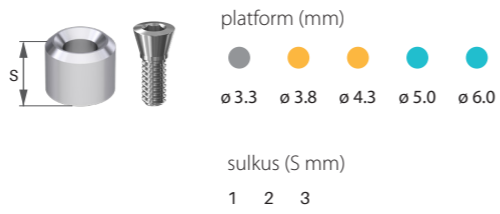
SPACER, MULTI-UNIT LEVEL, POSITIONED



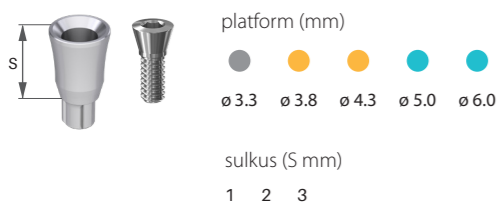
SCANBODY, THROUGH-BOLTED, MULTI-UNIT LEVEL, NON-POSITIONED



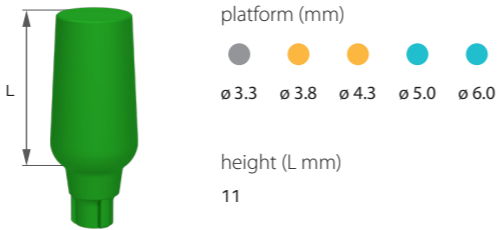
SPACER, MULTI-UNIT LEVEL, NON-POSITIONED



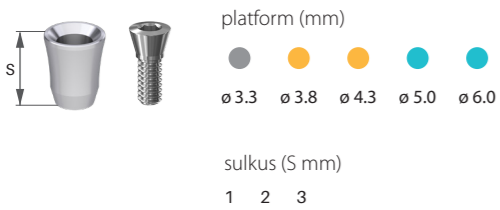
SPACER, IMPLANT LEVEL, POSITIONED



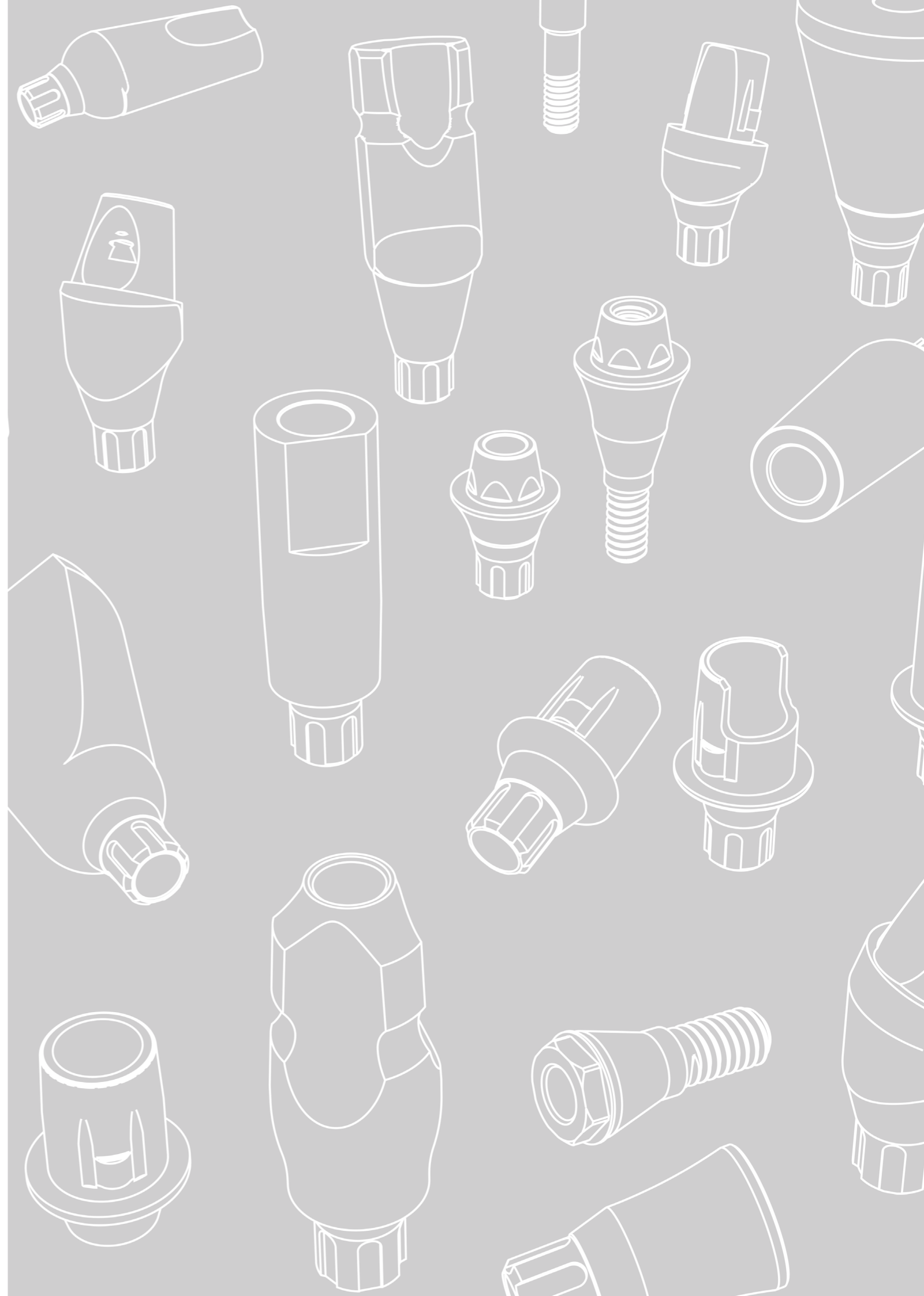
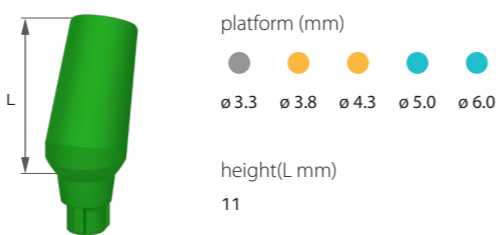
TEST ABUTMENT



SPACER, IMPLANT LEVEL, NON-POSITIONED

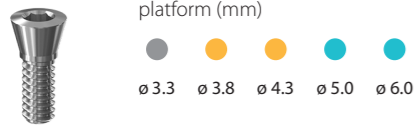


TEST ABUTMENT, ANGLED

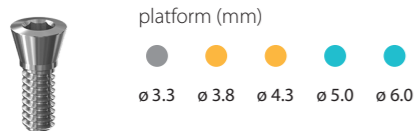


The available sizes of **CORTILOG CCL** screws

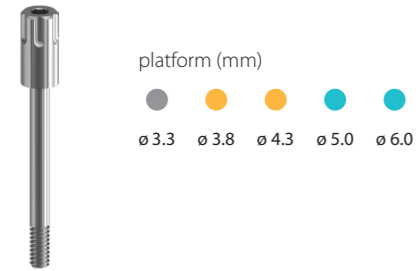
LOCKING SCREW



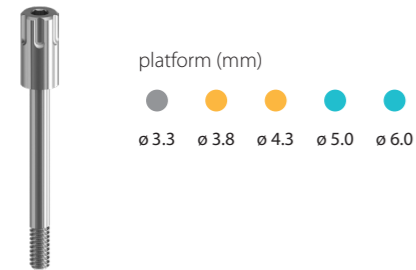
LOCKING SCREW, FOR SPACER



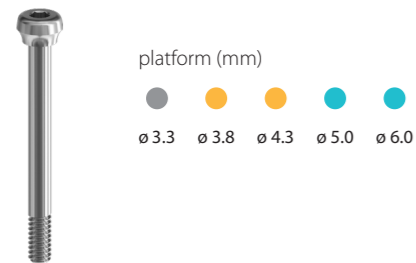
IMPRESSION COPING SCREW, FOR OPEN TRAY



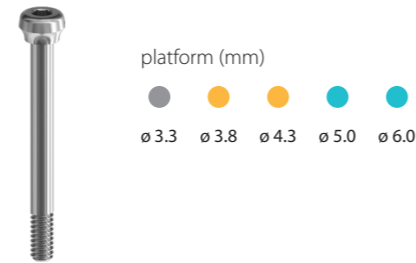
IMPRESSION COPING SCREW, FOR OPEN TRAY, MULTI-UNIT LEVEL



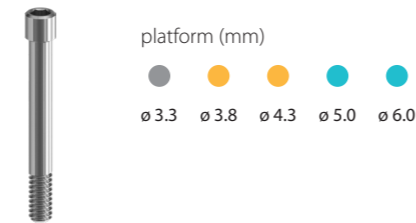
IMPRESSION COPING SCREW, FOR CLOSED TRAY



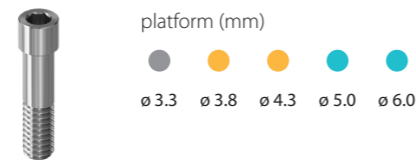
IMPRESSION COPING SCREW, FOR CLOSED TRAY, MULTI-UNIT LEVEL



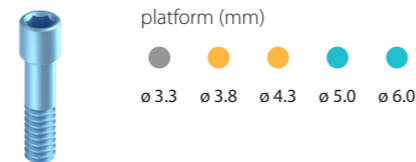
IMPRESSION COPING SCREW, FOR CLOSED TRAY, MULTI-UNIT LEVEL, PARALLEL



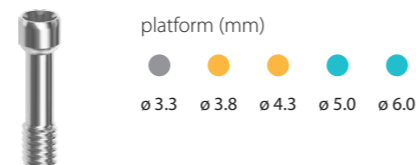
SURGICAL ABUTMENT SCREW



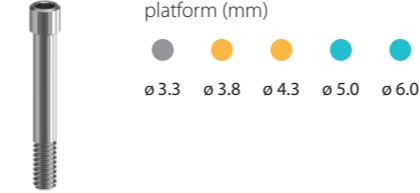
SURGICAL ABUTMENT SCREW, TECHNICAL



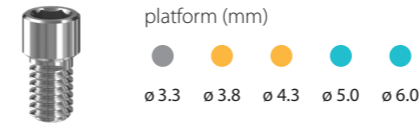
SURGICAL ABUTMENT SCREW PCT



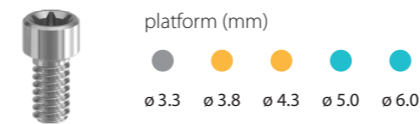
MULTI-UNIT THROUGH-BOLT



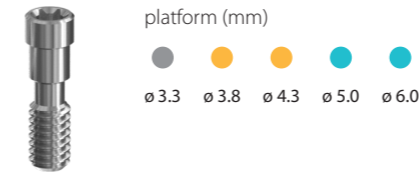
MULTI-UNIT ABUTMENT SCREW



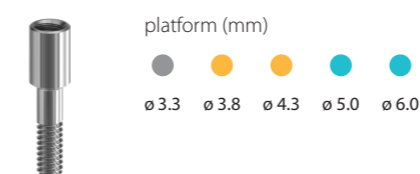
MULTI-UNIT ABUTMENT SCREW, PCT



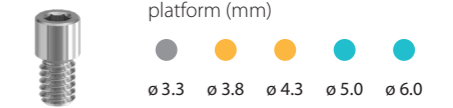
MULTI-UNIT ABUTMENT SCREW, FOR ANGLED ABUTMENT



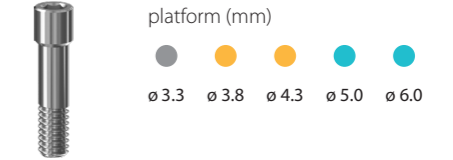
MULTI-UNIT THROUGH-BOLT, SR



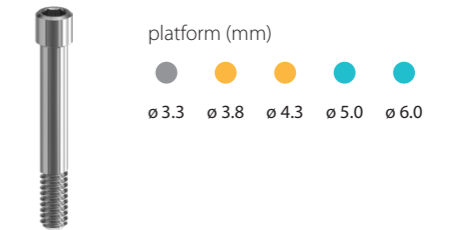
MULTI-UNIT ABUTMENT SCREW, SR



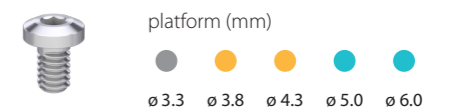
BR INTERFACE ABUTMENT SCREW



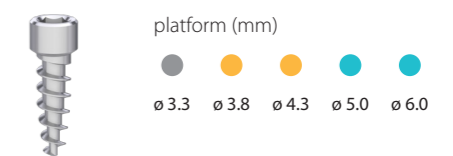
SCANBODY THROUGH-BOLT



LAB ANALOG SCREW



DENTAL RETAINING SCREW

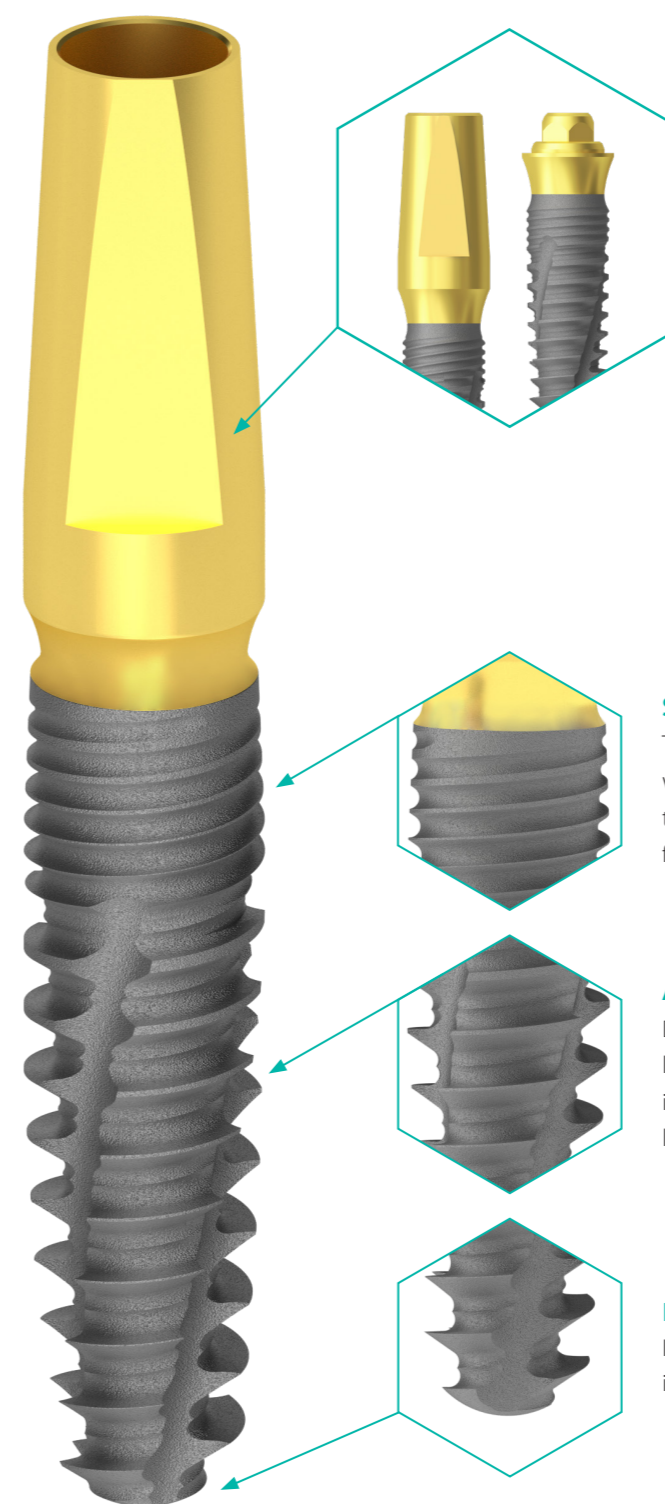


Distinctive characteristics of the **CORTILOG DCL**

CORTILOG

Direct Implant

CORTILOG DIRECT



One-phase implant in two versions

The implant body and head part form one geometry and can be used as one-phase implant.

Available with straight narrow head for cement-retained restorations and with Multi-Unit head for screw-retained restorations.

Spirally micro-grooved surface

The micro-grooved spiral surface can function as a significant weight bearing element. The self-locking thread structure and the cycloid knuckle thread ensure a micromotion-free state and fast integration.

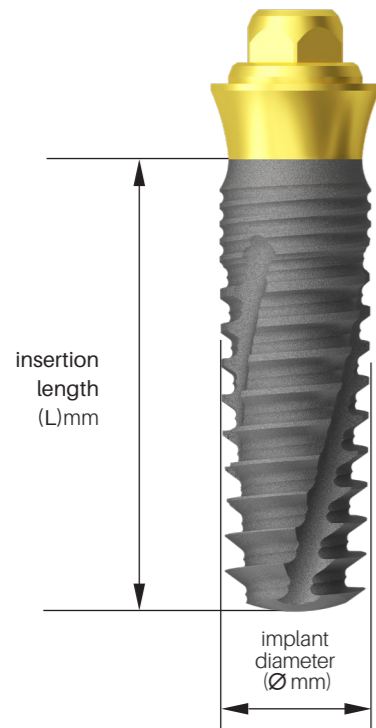
Anatomical tooth root form with an Epsilon thread

Due to the conicity, high thread pitch, high thread depth, self-locking and self-tapping shape of the implant screw thread, it has a bone-compacting effect and it can be immediately loaded with due care.

Rounded implant end

It facilitates minor changes in direction when inserting the implant.

CORTILOG DCL | RANGE OF IMPLANT SIZES

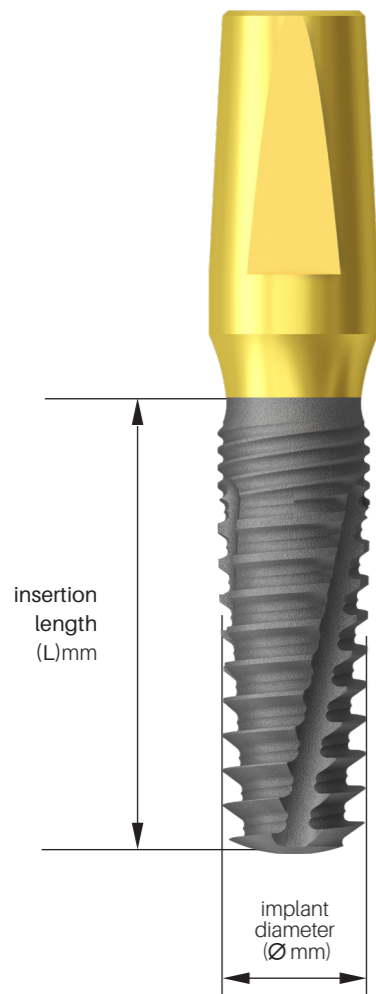


implant diameter

- Ø 3.3 mm
- Ø 3.8 mm
- Ø 4.3 mm

The **Cortilog DCL implant system** includes three different implant diameters. Each diameter implant is available in five different lengths, so you can find the right solution for every case.

DCL Multi-Unit implants are suitable for screw-retained restorations.



implant diameter

- Ø 3.3 mm
- Ø 3.8 mm
- Ø 4.3 mm

The **Cortilog DCL implant system** includes three different implant diameters. Each diameter implant is available in five different lengths, so you can find the right solution for every case.

DCL straight-head implants are suitable for cement-retained restoration.

Ø 3.3										
	insertion length (L):	7 mm	9 mm	11 mm	13 mm	16 mm	7 mm	9 mm	11 mm	13 mm
Ø 3.8										
	insertion length (L):	7 mm	9 mm	11 mm	13 mm	16 mm	7 mm	9 mm	11 mm	13 mm
Ø 4.3										
	insertion length (L):	7 mm	9 mm	11 mm	13 mm	16 mm	7 mm	9 mm	11 mm	13 mm

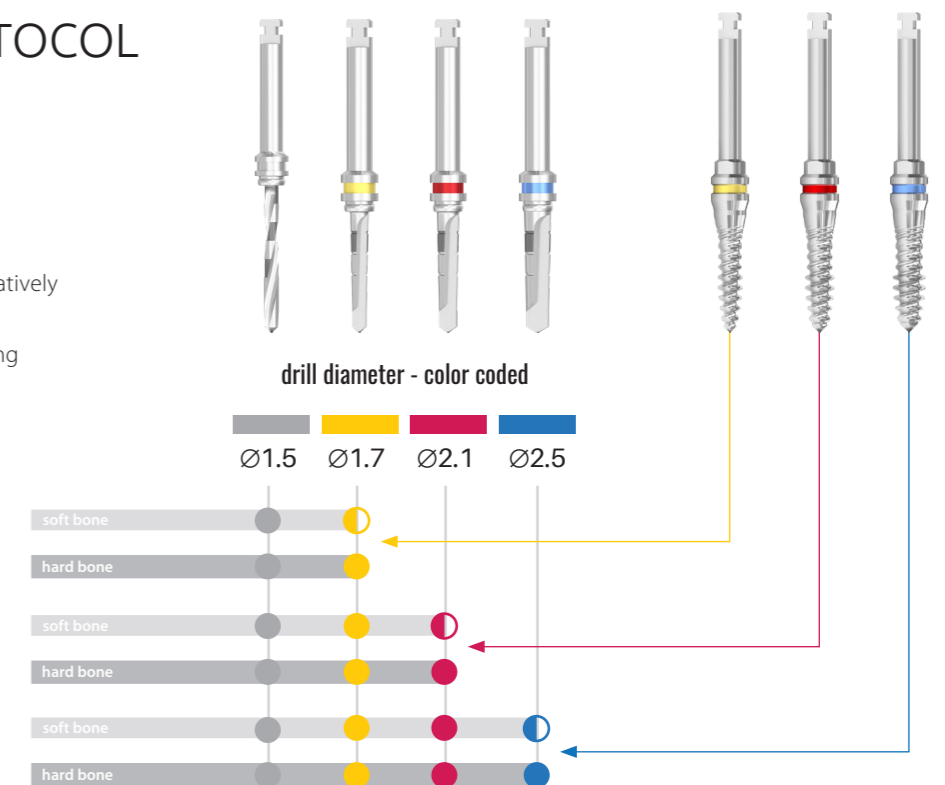
DRILLING PROTOCOL

Drilling indicators

- alternatively used
- 1/2 length drilling alternatively
- 3/4 or full length drilling recommended

implant diameter

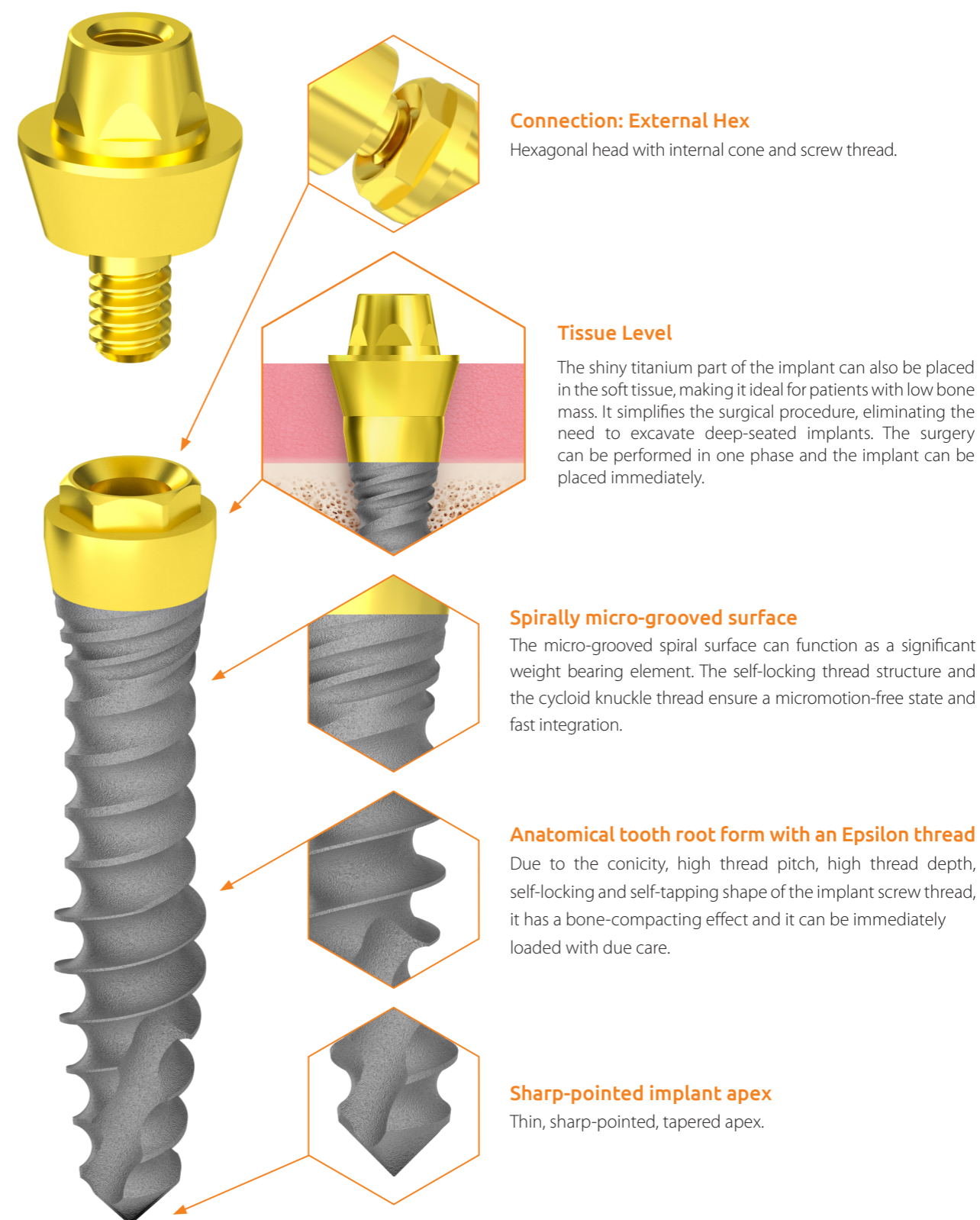
- Ø 2.3
- Ø 2.5
- Ø 2.7



CORTILOG

Mini Implants

Distinctive characteristics of the CORTILOG MCL

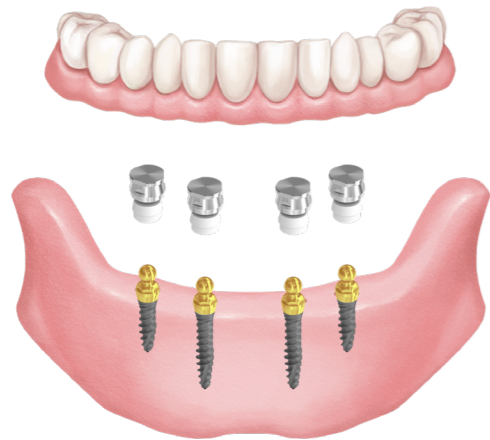


APPLICATIONS OF MINI IMPLANTS

It is becoming increasingly common to see patients with low bone mass, who want to regain 100% function of their teeth. To help, BIONIKA has developed the Cortilog MCL implant system, which enables the production of versatile dental prostheses.

Snap in dentures

If the patient does not have any teeth, a full denture can be made. One solution in this case is a snap in denture. Usually 2-4 implants, possibly 6-8 implants in the maxilla are placed, depending on the quality of the remaining bone and the load conditions.



A ball attachment is a classic solution. It is the most common fixation option. The Cortilog MCL mini system includes implants with both 1.8 mm (micro) and 2.5 mm (standard) ball diameter. A 2.3 mm diameter (medium) ball attachment head is also available on request. As a special service, BIONIKA also produces so-called customized size ball heads, depending on the required retention force.

In comparison, the use of single-phase or two-phase mini implants with a locator torus head is relatively new. These provide greater stability of the denture with fewer implants.

A major advantage of the two-piece Cortilog MCL solution is the ability to replace worn down ball retention abutments and locator abutments.

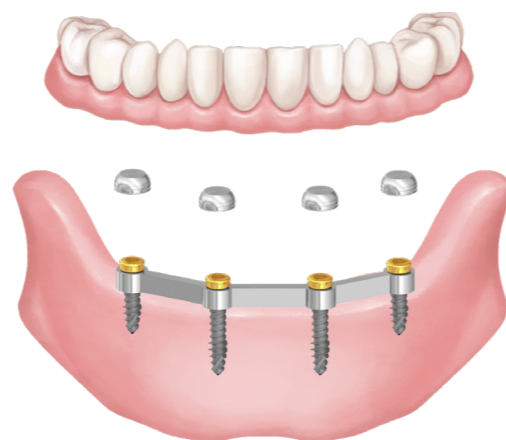


Bar-retained removable dentures

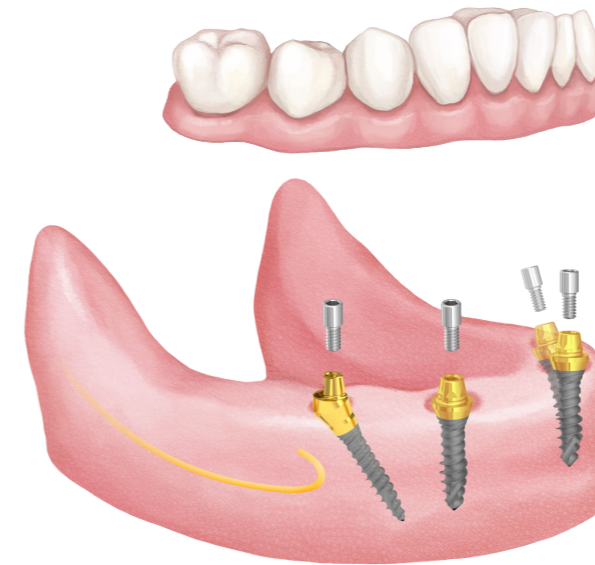
In addition to the implants, a custom-made metal bar can be screwed to the implants, providing even more support and stability for the prosthesis. The bar is attached to 2-6 implants. This way the load on the implants is better distributed, thus increasing their lifespan.

In the case of bar-retained restorations, the dentist and dental technician also have the option when designing and fabricating the restoration to place the ball retention abutment or locator abutment in the optimal position of the bar rather than on the implant axis.

Implant denture fixation also brings a huge improvement in the quality of life for the patient in the case of removable dentures as the denture is much more stable than with traditional removable dentures, which may be fixed with denture adhesive. It gives a feeling of perfection in both chewing and speech.



Screw-retained fixed dentures



Optimum Concept

Optimum Concept

All-on-4® type - Economical Solution

Cortilog MCL mini implants are also suitable for the Optimum concept. They provide high stability with only four implants.

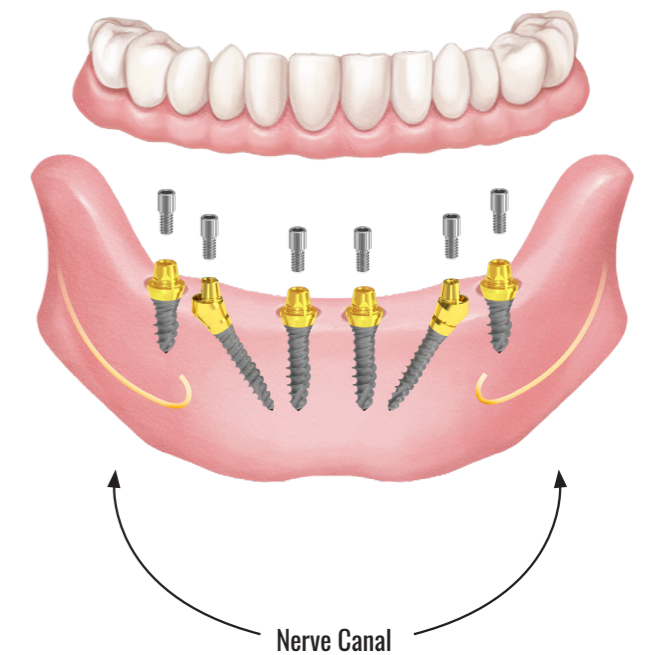
- The temporary denture can be inserted on the day of surgery.
- Immediate improvement in function, speech and of course aesthetics.
- Treatment time is shorter and costs can be lower compared to traditional implant placement methods.
- Tilting posterior implants can be better fixed into the anterior bone. This helps to support the prosthesis.

Safe Concept

All-on-6® type - For extra stability

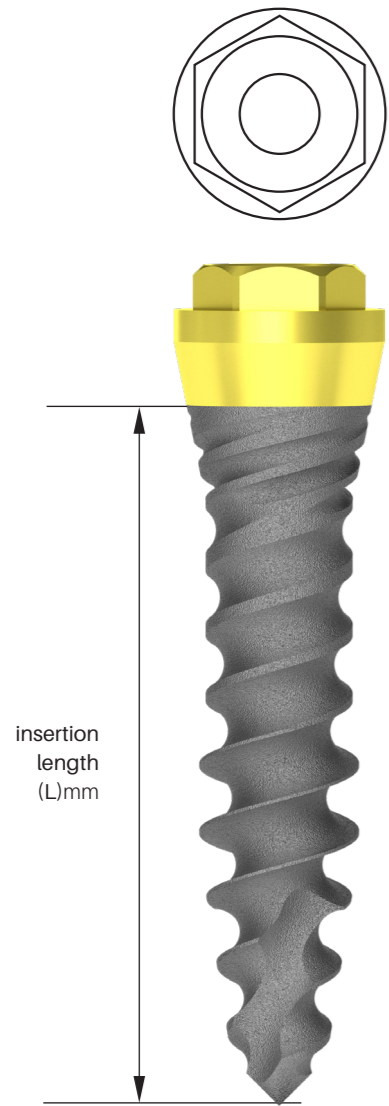
The Safe concept can further increase the stability of the denture. Particularly advantageous for extra chewing force.

- The use of angled implants allows longer implants to be used by bypassing the nerve canal.
- The use of longer implants allows the bone and the implant to come into contact over a larger surface area, thus avoiding the need for bone grafting.
- Favorable bone level for angled and axial implants.
- High survival rates



Safe Concept

CORTILOG MCL | RANGE OF IMPLANT SIZES

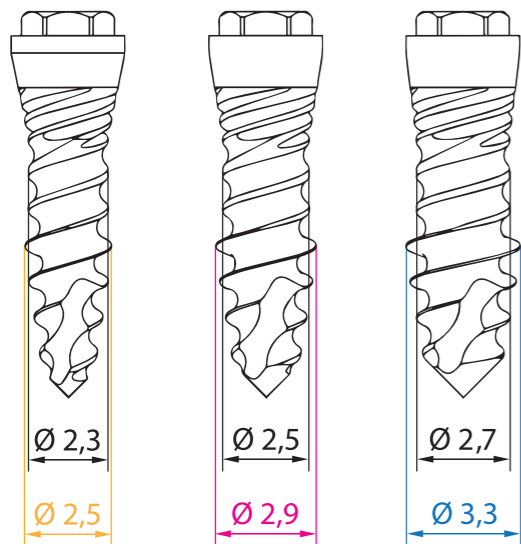


- implant diameter**
- Ø 2.3/2.5 mm
 - Ø 2.5/2.9 mm
 - Ø 2.7/3.3 mm



The **Cortilog MCL implant system** includes three different implant diameters. Each diameter implant is available in five different lengths, so that you can find the right solution for every mini implant situation.

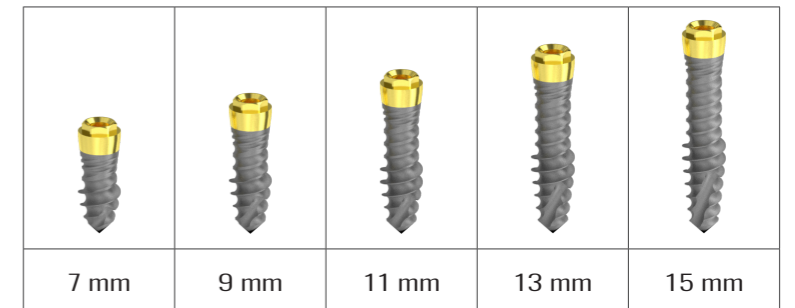
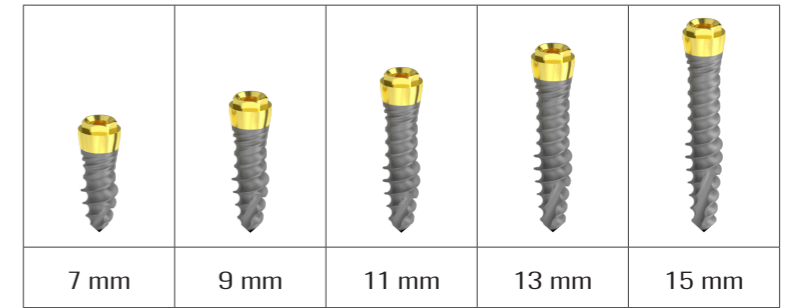
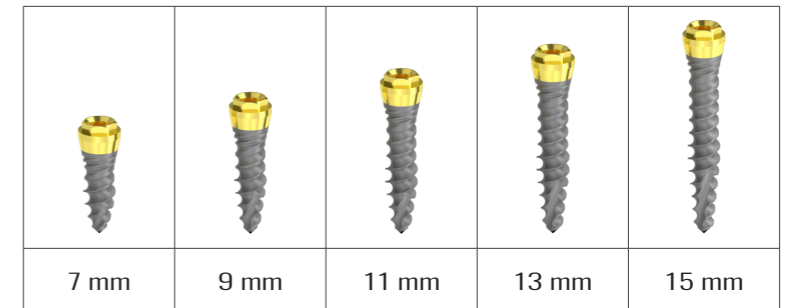
The MCL implants can be used in cases of average hardness and thin bone structure, for removable or screw-retained restorations, depending on the abutments used.



Cortilog MCL

The range of CORTILOG Mini implant sizes

	Ø 2.5
	insertion length (L)
	Ø 2.9
	insertion length (L)
	Ø 3.3
	insertion length (L)

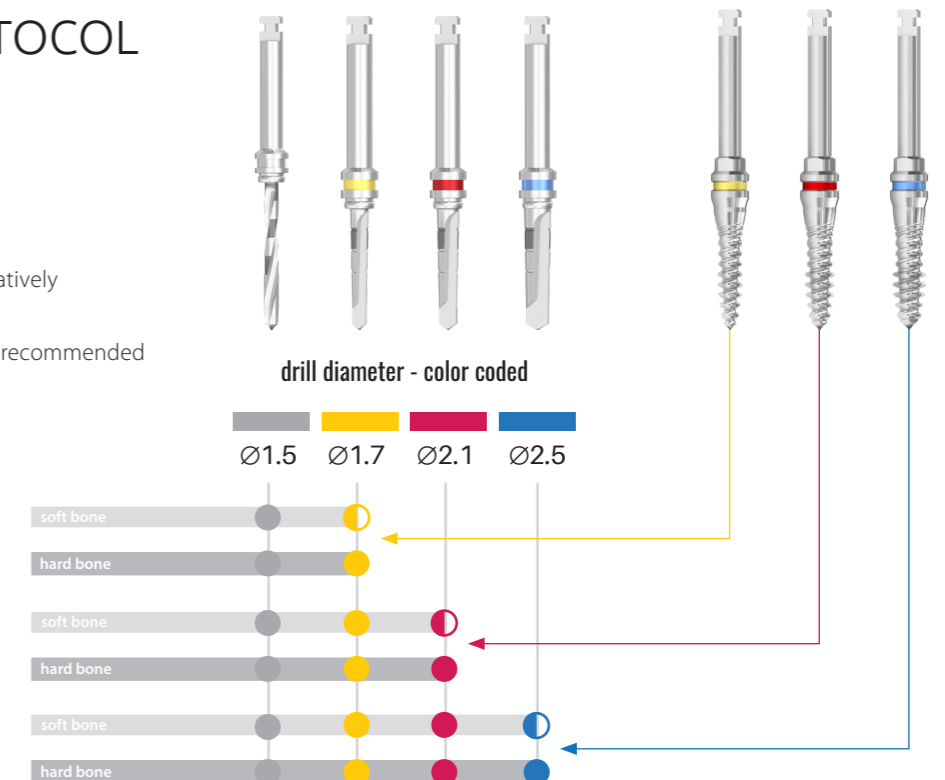


DRILLING PROTOCOL

Drilling indicators:

- - alternatively used
- ◐ - 1/2 length drilling alternatively
- ◑ - 3/4 or full length drilling recommended

- implant diameter**
- Ø 2.3**
 - Ø 2.5**
 - Ø 2.7**



CORTILOG MCL | ABUTMENT SYSTEM

MCL implants can be used for removable or screw-retained restorations with average hardness and thin bone structure, depending on the abutments used. A great advantage of the two-piece Cortilog MCL solution is the possibility to replace worn down ball attachment and locator heads. **The same abutments are available for all three implant diameters.**

Ball attachment abutment, micro



Ball attachment abutment, normal



Ball attachment abutment, normal



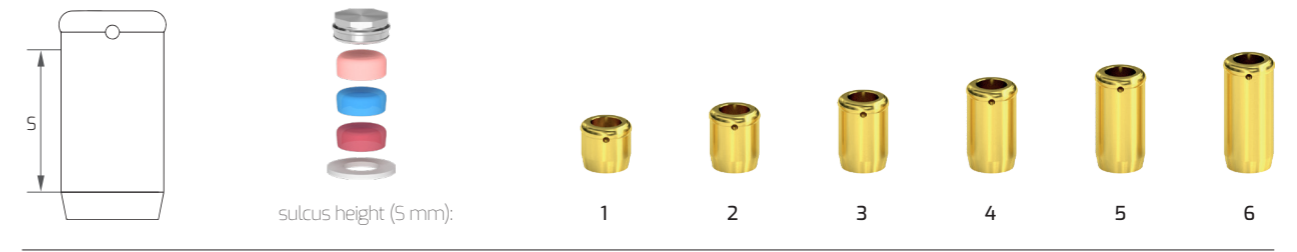
Locator abutment, straight



Locator abutment, straight



Locator abutment, through-bolted



Multi-unit abutment, straight



Multi-unit abutment, straight



Multi-unit abutment, through-bolted



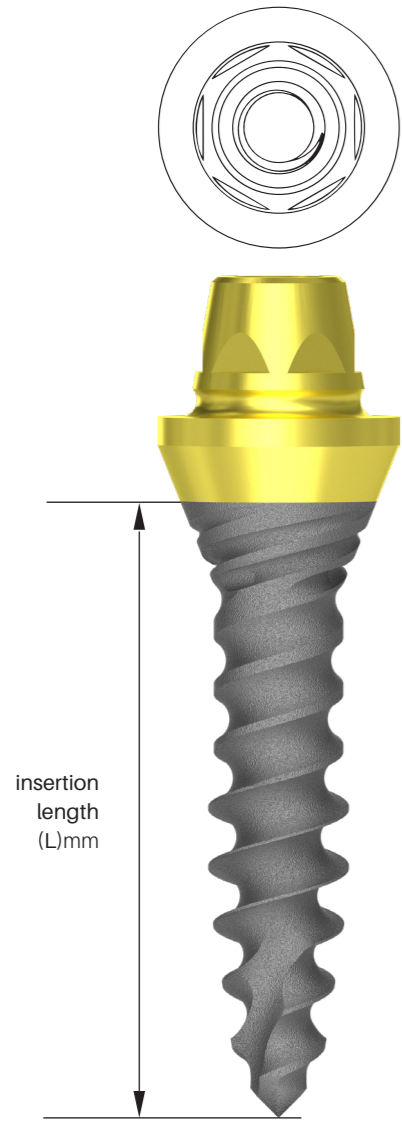
Multi-unit abutment, angled 20°



Multi-unit abutment, angled 30°



CORTILOG MCL | RANGE OF IMPLANT SIZES

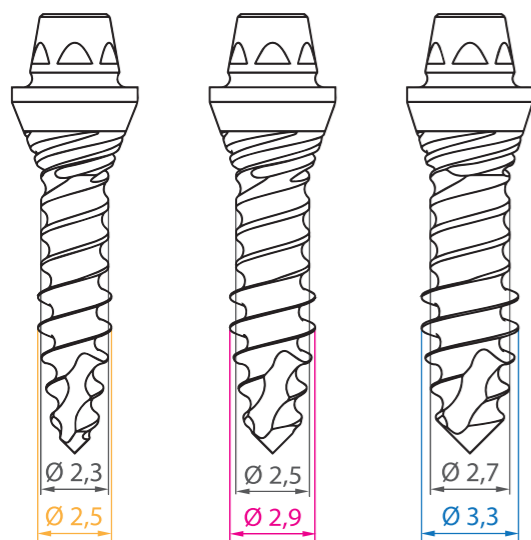


- implant diameter**
- Ø 2.3/2.5 mm
 - Ø 2.5/2.9 mm
 - Ø 2.7/3.3 mm



The **Cortilog MCL implant system** includes three different implant diameters. Each diameter implant is available in five different lengths, so that you can find the right solution for every mini implant situation.

The **MCL Multi-unit head implants** are suitable for screw-retained restorations with average hardness and thin bone structure.



Cortilog MCL

Range of CORTILOG Mini Multi-Unit tapered implants sizes

- Ø 2.5
- insertion length (L)
- Ø 2.9
- insertion length (L)
- Ø 3.3
- insertion length (L)

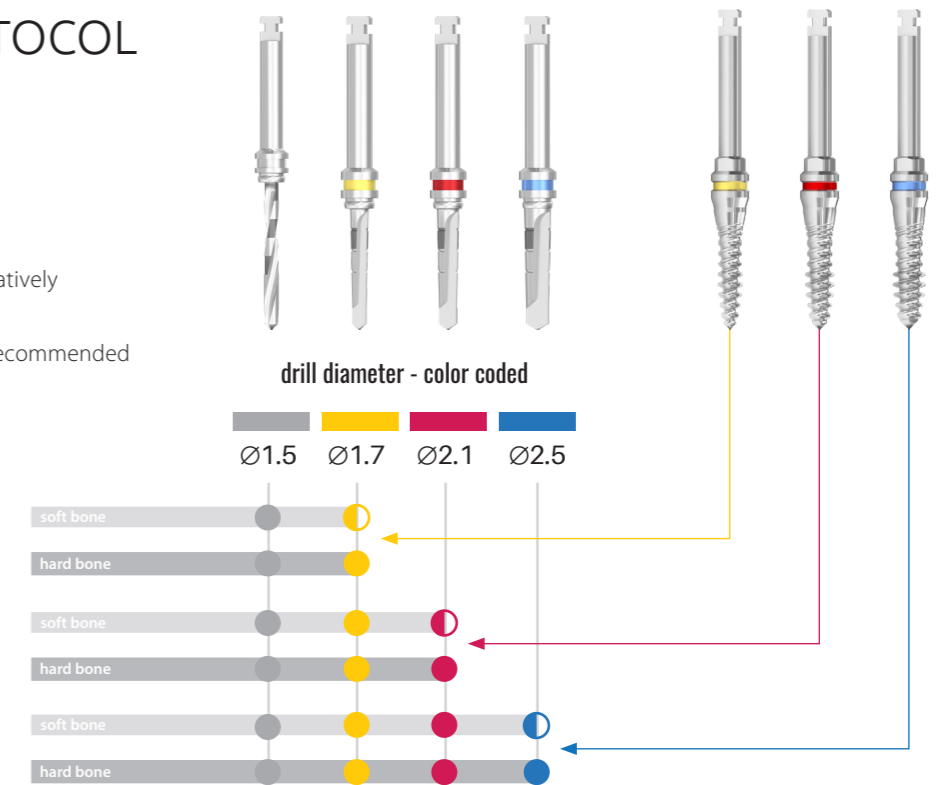


DRILLING PROTOCOL

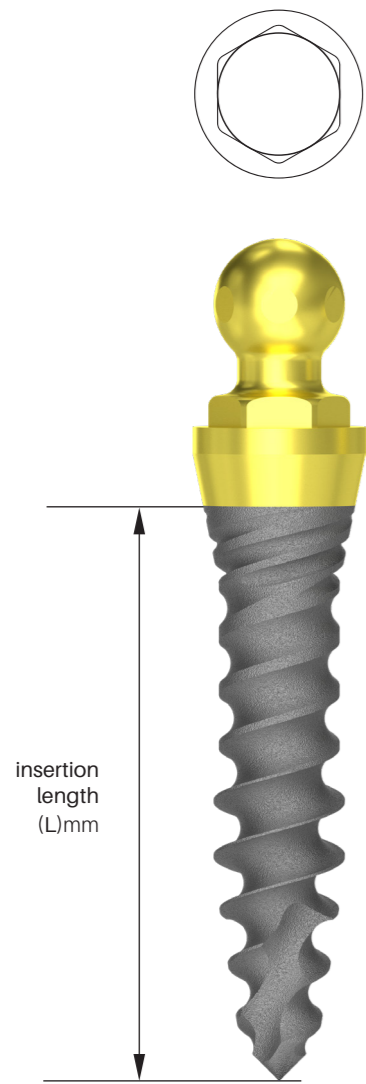
Drilling indicators:

- alternatively used
- 1/2 length drilling alternatively
- 3/4 or full length drilling recommended

- implant diameter**
- Ø 2.3
 - Ø 2.5
 - Ø 2.7



CORTILOG MCL | RANGE OF IMPLANT SIZES



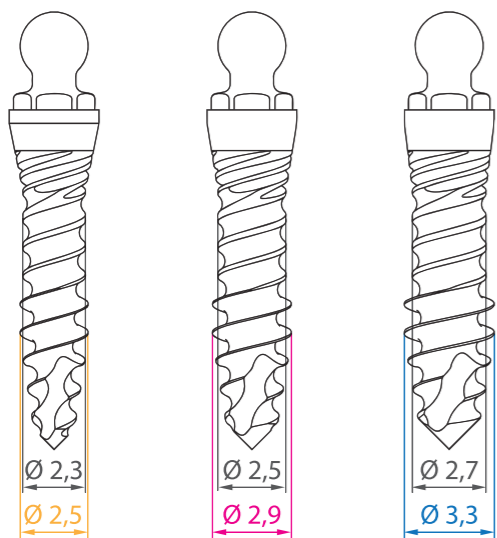
implant diameter

- Ø 2.3/2.5 mm
- Ø 2.5/2.9 mm
- Ø 2.7/3.3 mm



The **Cortilog MCL implant system** includes three different implant diameters. Each diameter implant is available in five different lengths, so that you can find the right solution for every mini implant situation.

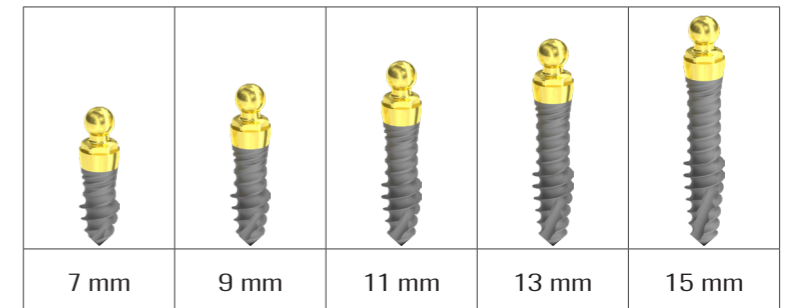
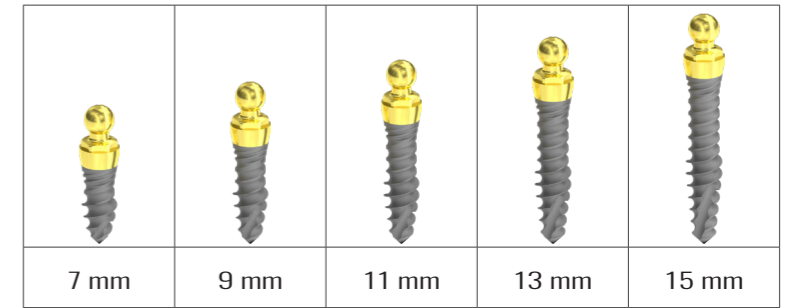
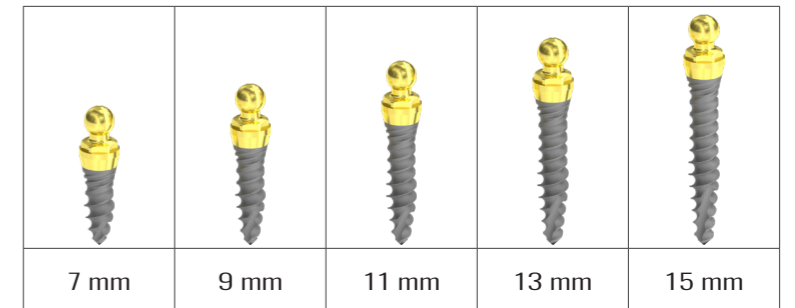
The MCL ball attachment implants are suitable for snap-in dentures with average hardness and thin bone structure.



Cortilog MCL

Range of CORTILOG Mini Ball retention implants sizes

	Ø 2.5
	insertion length (L)
	Ø 2.9
	insertion length (L)
	Ø 3.3
	insertion length (L)



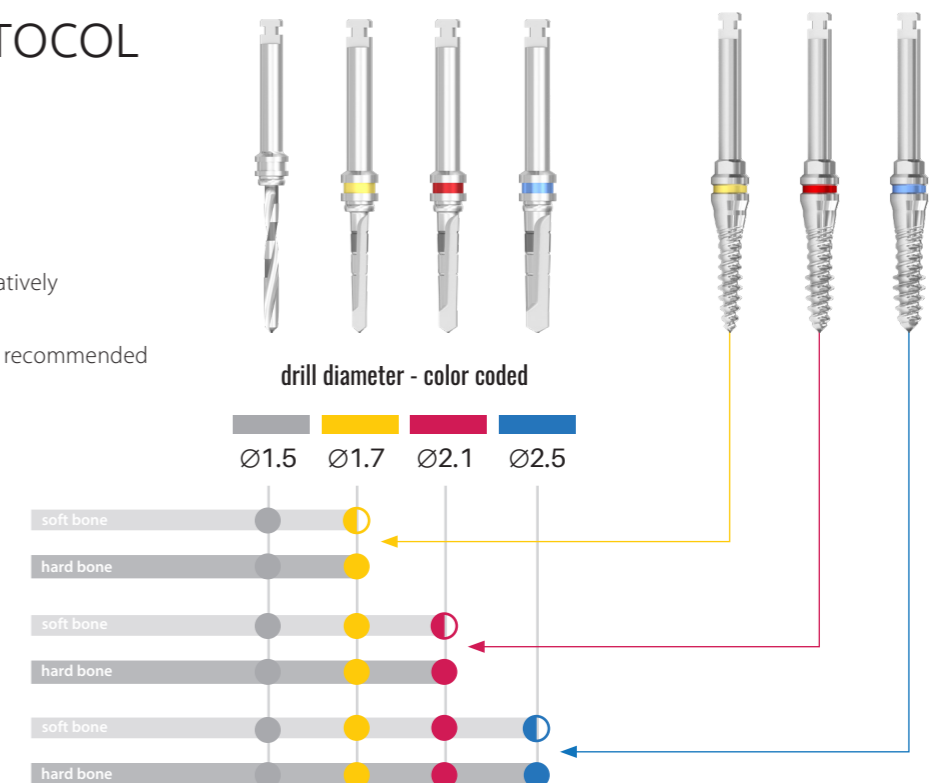
DRILLING PROTOCOL

Drilling indicators:

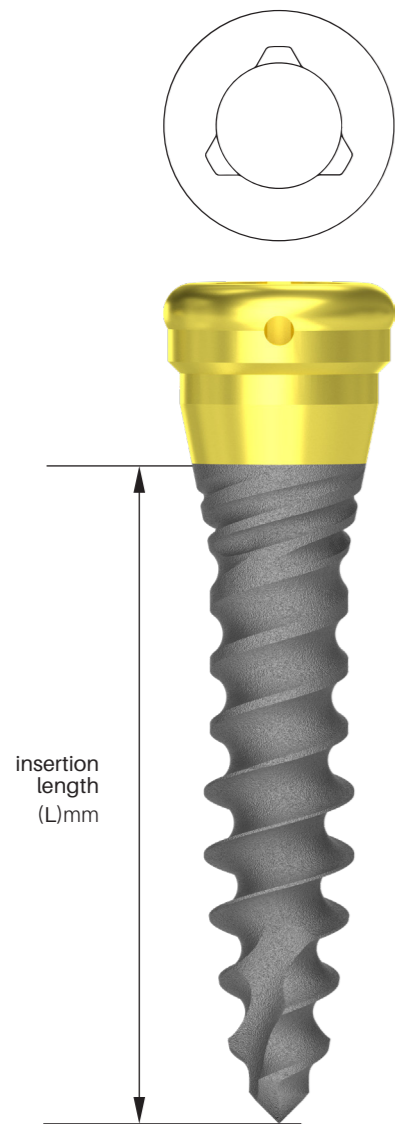
- alternatively used
- 1/2 length drilling alternatively
- 3/4 or full length drilling recommended

implant diameter

- Ø 2.3**
- Ø 2.5**
- Ø 2.7**



CORTILOG MCL | RANGE OF IMPLANT SIZES



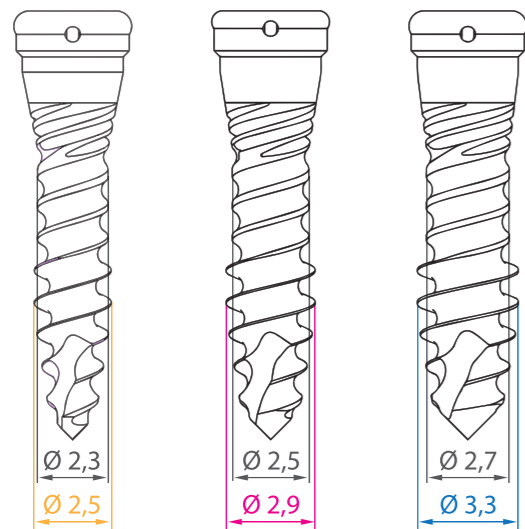
implant diameter

- Ø 2.3/2.5 mm
- Ø 2.5/2.9 mm
- Ø 2.7/3.3 mm



The **Cortilog MCL implant system** includes three different implant diameters. Each diameter implant is available in five different lengths, so that you can find the right solution for every mini implant situation.

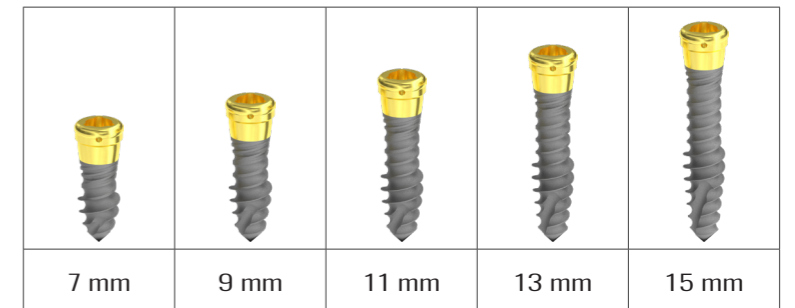
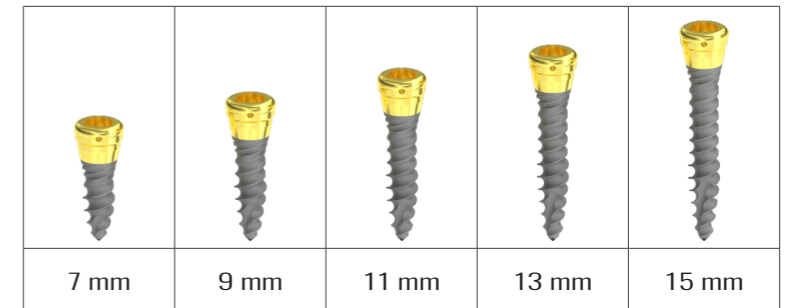
The MCL locator implants are suitable for snap-in dentures with average hardness and thin bone structure.



Cortilog MCL

Range of CORTILOG Mini Locator implants sizes

	Ø 2.5
	insertion length (L)
	Ø 2.9
	insertion length (L)
	Ø 3.3
	insertion length (L)



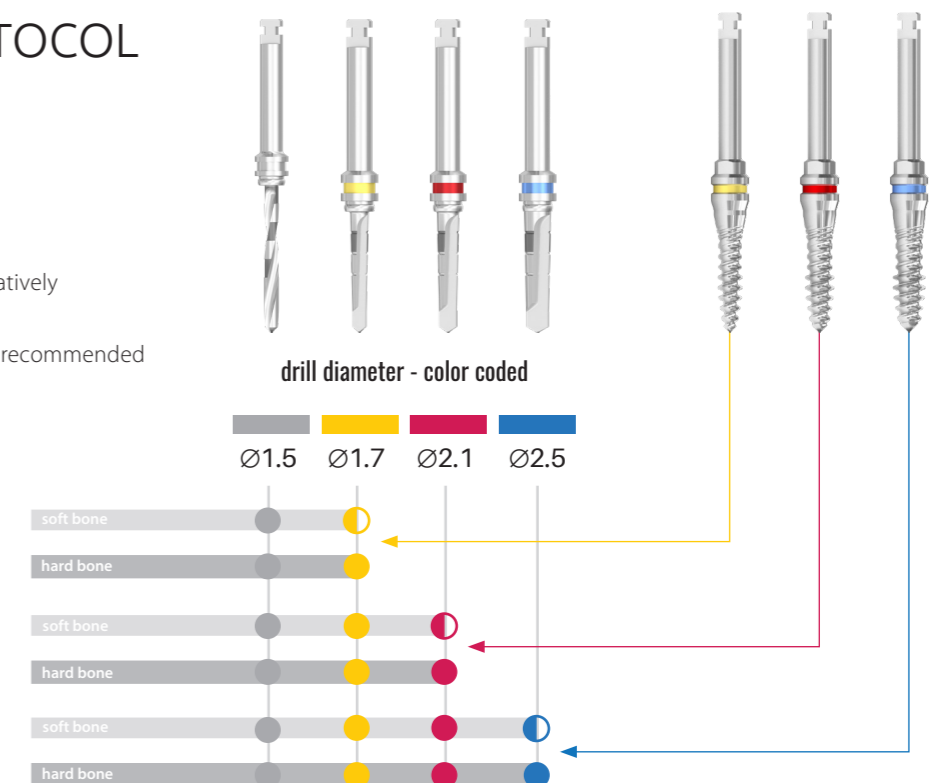
DRILLING PROTOCOL

Drilling indicators:

- alternatively used
- 1/2 length drilling alternatively
- 3/4 or full length drilling recommended

implant diameter

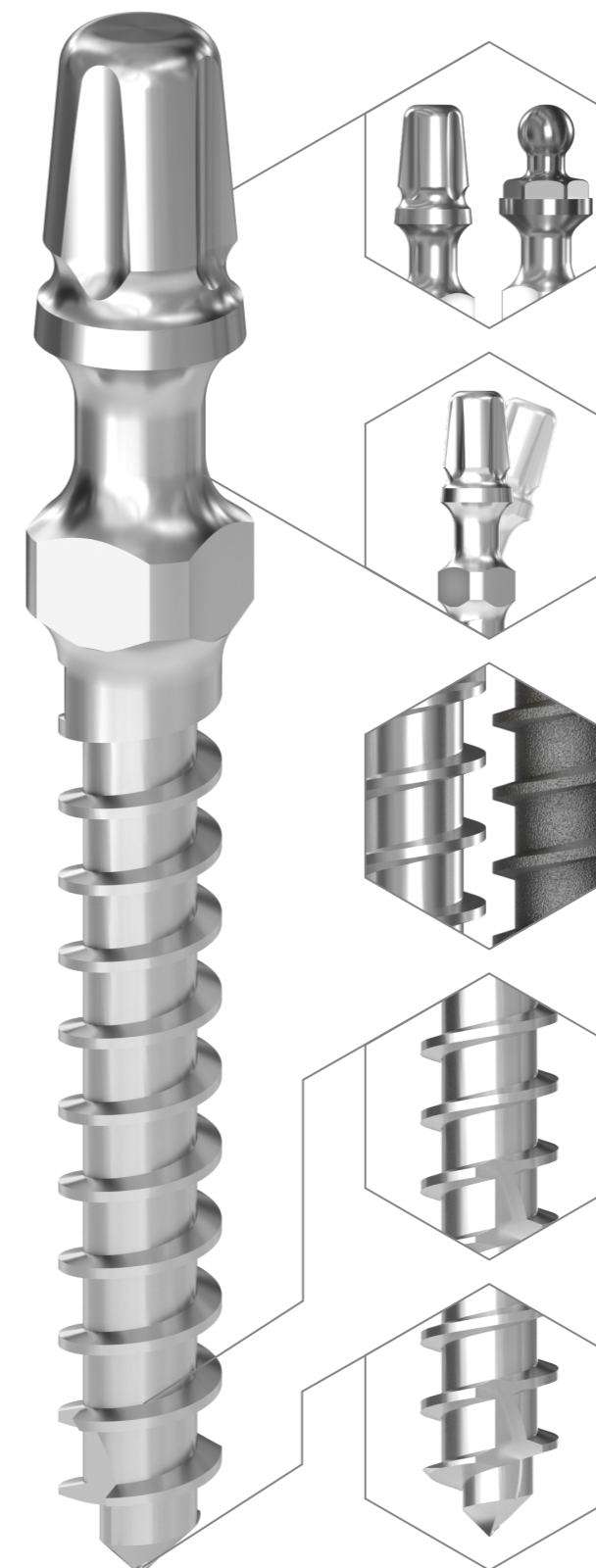
- Ø 2.3**
- Ø 2.5**
- Ø 2.7**



CORTILOG

Temporary Implants

Distinctive characteristics of the CORTILOG TCL



Two types of head design

The four-cam head design facilitates easy insertion, while the ball attachment version also allows the use of snap-in dental prostheses.

Flexible neck

It offers flexible angle adjustment. The angle of the implant is easily adjustable.

Square collar under the shoulder

It ensures easy removal of the broken implant in case of shoulder fracture.

Optional surface

The smooth (without sand-blasting) surface delays full osseointegration, so temporary implants can be safely removed before the final prosthesis is placed. Also available in a sandblasted version, which is recommended for soft bone that is difficult to integrate.

Self-locking, self-tapping design

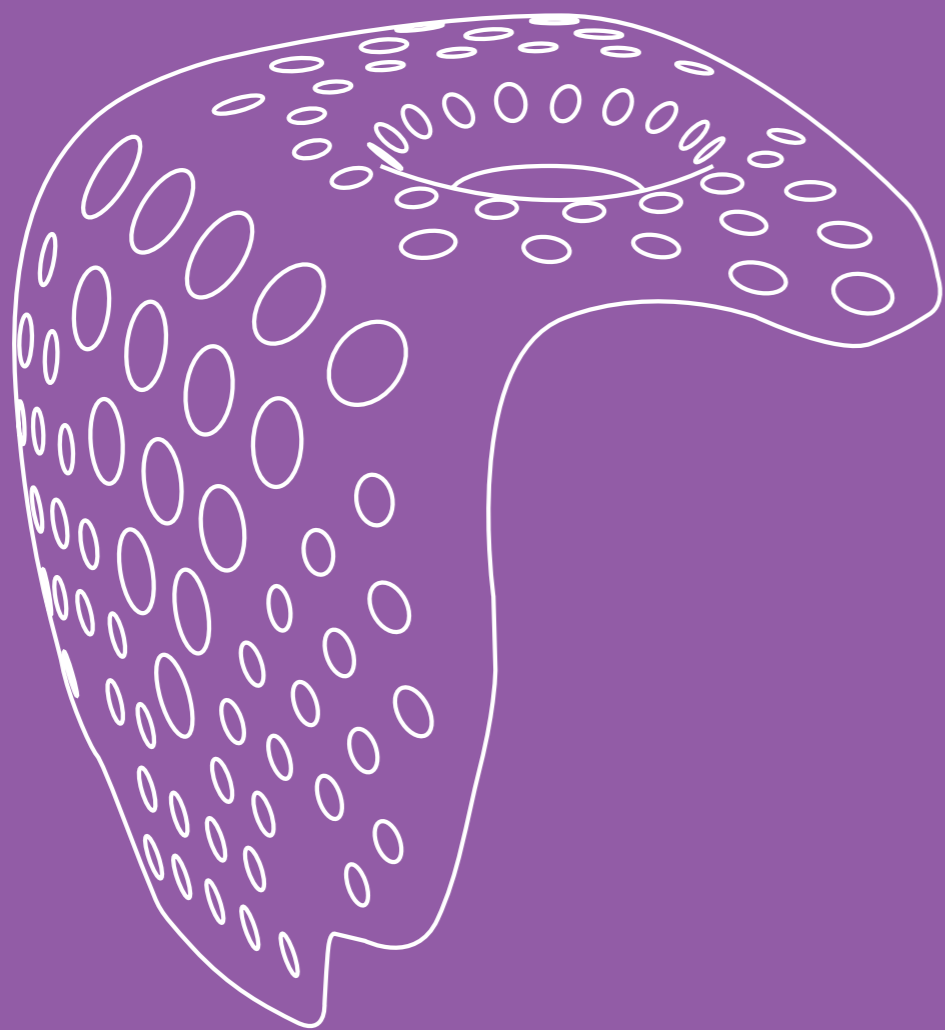
The self-locking, self-tapping design of the implant facilitates insertion and allows exceptional primary stability, making it ideal for immediate temporary loading.

Sharp-pointed apex

Thin, Sharp-pointed, tapered apex.

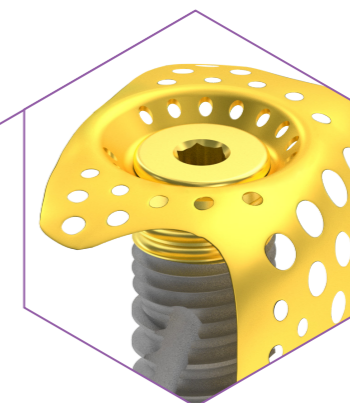
CORTILOG

3D Builder membranes



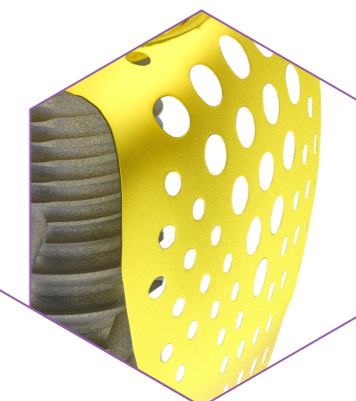
Characteristics of 3D BUILDER membranes

The 3D Builder is an implant accessory used to hold the bone graft material in place during bone augmentation. It is available in a customised, pre-made form, is inserted at the same time as the implant and is easily secured with the implant locking screw.



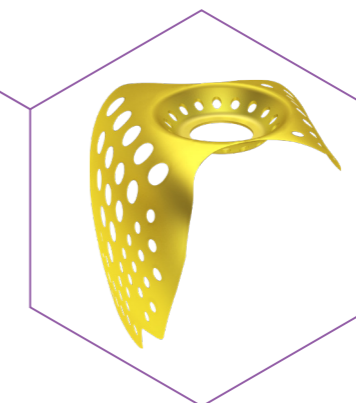
Can be fixed with locking screw

No need to buy special instruments and accessories, the membrane can be simply fixed to the implant with a locking screw.



Perforated titanium plate

Titanium has excellent mechanical strength and the free flow of body fluids is ensured by a micro-perforated surface.



Pre-made forms

The pre-made forms do not cause irritation, so the chance of failure is minimised.



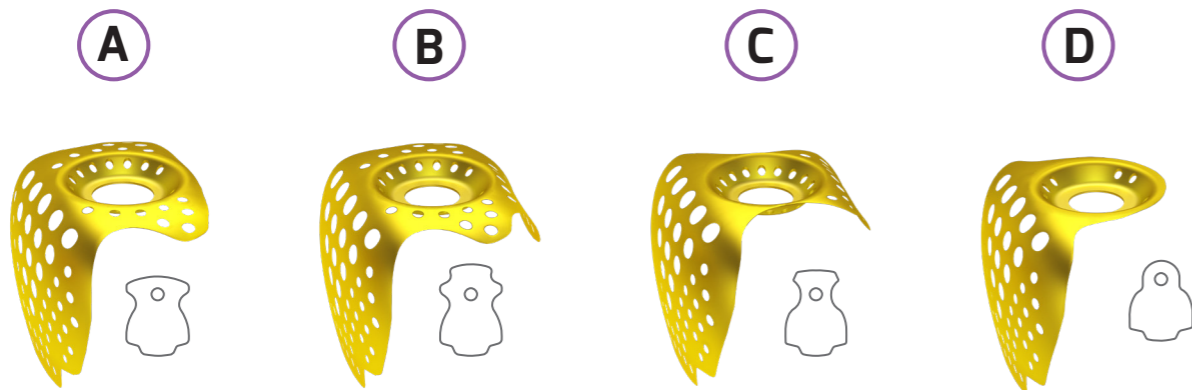
CORTILOG ECL implant

CORTILOG 3D BUILDER | APPLICATION



- ① „A form” membrane mesh
- ② Bone augmentation material
- ③ Cortilog CCL Implant

CORTILOG 3D BUILDER | FORMS



The 3D Builder titanium mesh is usually suitable for bone substitution in one tooth place. It is available in four geometrical (A, B, C, D) shapes.

Type A: The implanted bone section is used to hold the top of the implant and one side of the bone substitute material.

Type B: It is suitable for supporting bone replacement on the wider and lateral section of the jaw bone.

Type C: It is suitable for retaining bone substitute material on the jaw bone and on both sides of the jaw section.

Type D: It is recommended in the case of fixing a bone substitute material on one side of the jaw section and on the narrow (between two teeth) spine.

PROFESSIONAL OPINION

For practical use of the BIONIKA 3D Builder titanium membrane

In everyday practice, we are often forced to do some kind of bone grafting in connection with the implantation of an enosseal implant. We speak of lateral augmentation when the width of the processus alveolar is not sufficient to accommodate the implant and we are therefore forced to use bone grafting. If the bone volume is sufficient to provide adequate primary stability, but the implant side, usually the vestibular side, is not covered by bone, the uncovered titanium surface must be covered with some autologous or alloplastic bone substitute. The graft must be kept in place until it has been replaced. For this purpose, perforated titanium membranes are available on the market which can be fixed with the implant locking screw. The best results in terms of both healing time and bone consistency of the augmentation are clearly obtained by using the cancellous bone chip as opposed to pure alloplastic or alloplastic-autologous material mixtures. However, the disadvantage compared to the previous two is that during the healing period (3

months) the purely autogenous bone graft can lose a lot of volume, so that the implant initially placed and grafted crestal can become relatively supracrestal. The titanium membrane used so far were not suitable for overfilling the augmentation without separate spacers and extra components, thus compensating for volume involution. This deficiency is overcome by the Bionika 3D Builder, which allows the implant to be "over-augmented" into a relative subcrestal position. Thus, even with chip incorporation, the implant will be in a crestal position after the osseointegration time and removal of the titanium mesh. Based on my previous experience, I consider and recommend to all implantologists the best solution for the daily practical use of the 3D Builder titanium mesh, manufactured by BIONIKA Medline Ltd., which can be fixed with the implant's locking screw, for bone replacement at the same time as implantation.

Debrecen, 2017.05. 10.

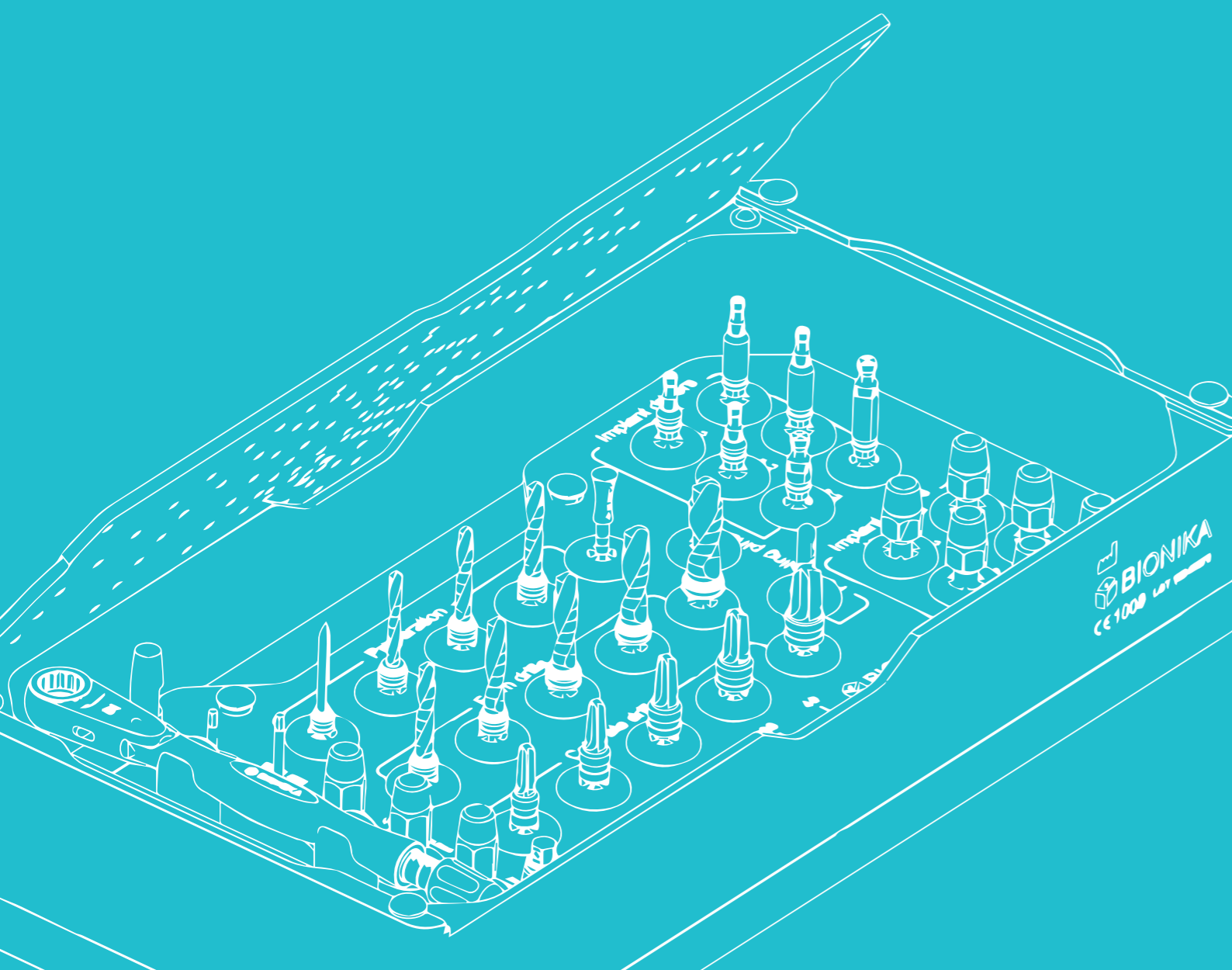
Dr. Becksy Áron

specialist in dental and oral diseases,
conservative dentistry and prosthodontics expert
dentoalveolar surgeon, active member of MAFIT



CORTILOG

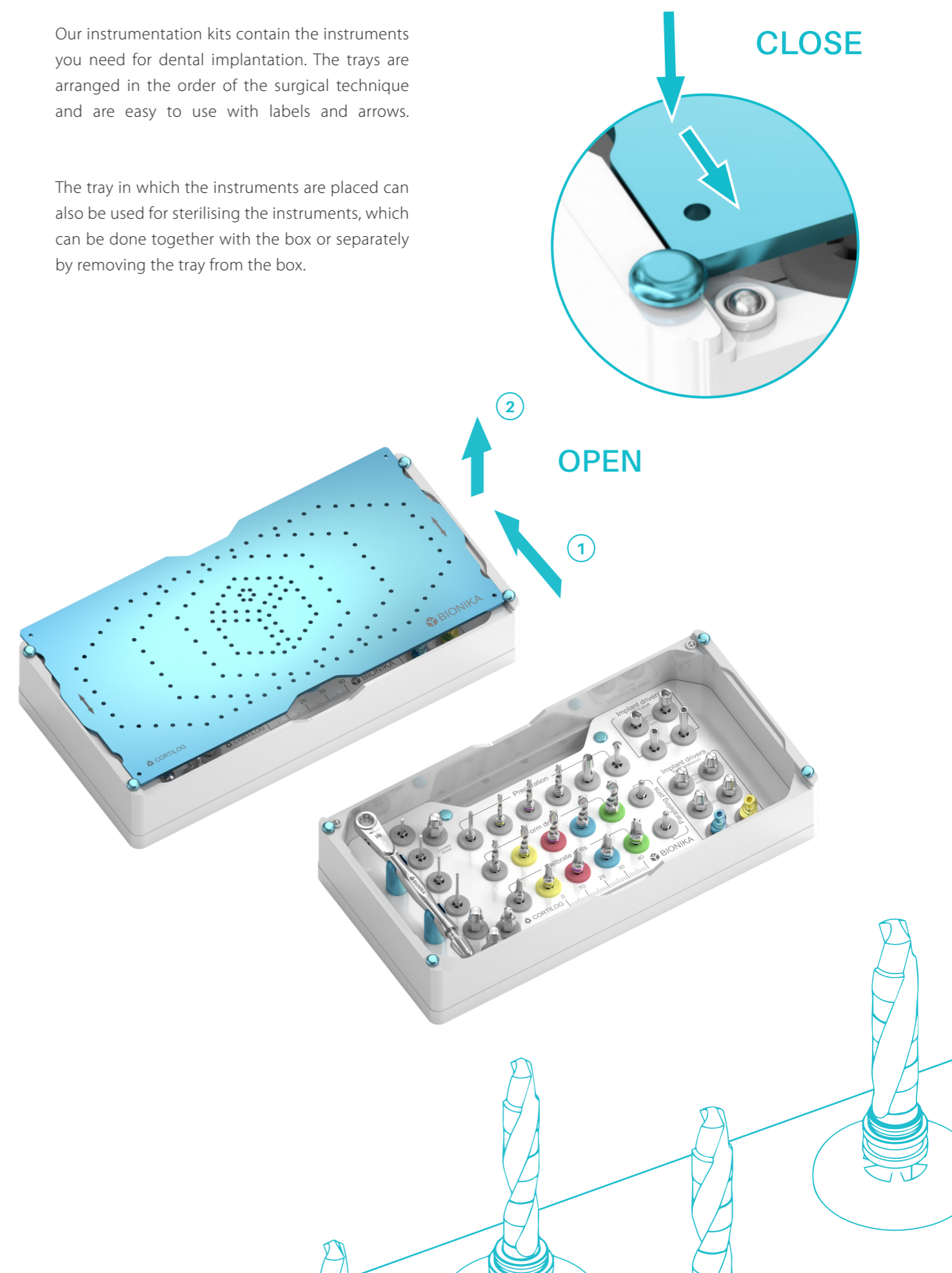
Instrument kits



CORTILOG | INSTRUMENT KITS

Our instrumentation kits contain the instruments you need for dental implantation. The trays are arranged in the order of the surgical technique and are easy to use with labels and arrows.

The tray in which the instruments are placed can also be used for sterilising the instruments, which can be done together with the box or separately by removing the tray from the box.

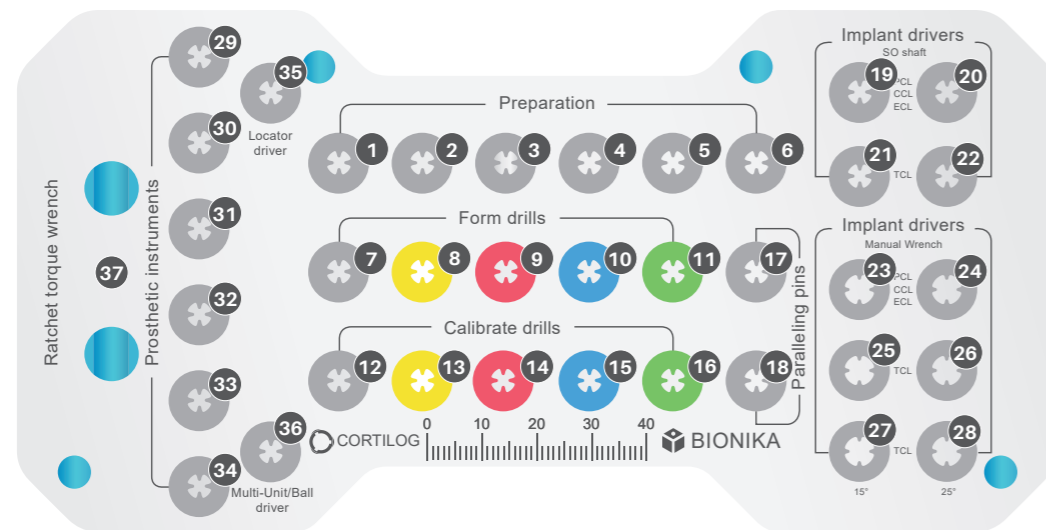


CORTILOG Large instrument kit

The CORTILOG Large Instrument Kit contains 37 instruments in a wide range of sizes for a wide range of applications.

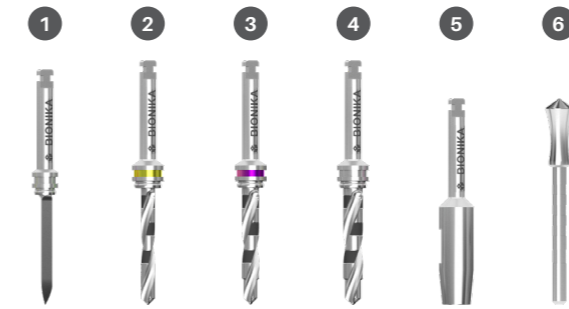
The trays are structured in the order of the surgical technique, with labels and arrows to facilitate their use.

Content arrangement of the CORTILOG Large instrument kit



Preparation

- 1. Pointer drill
- 2. Pilot drill Ø2.0
- 3. Pilot drill Ø2.5
- 4. Pilot drill Ø2.8
- 5. Gingiva punch
- 6. Depth gauge



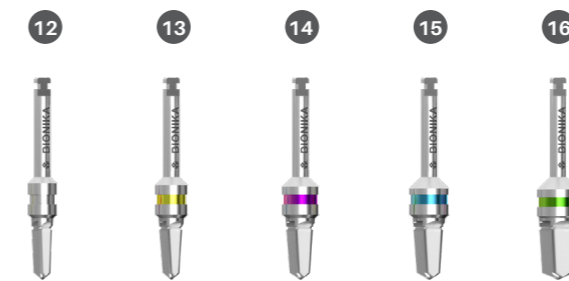
Twist drills

- 7. Twist drill, Ø 2.8
- 8. Twist drill, Ø 3.2
- 9. Twist drill, Ø 3.7
- 10. Twist drill, Ø 4.2
- 11. Twist drill, Ø 5.2



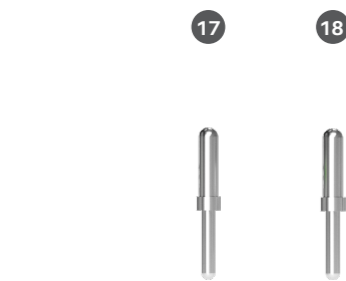
Thread calibration

- 12. Tap drill, Ø 3.2
- 13. Tap drill, Ø 3.7
- 14. Tap drill, Ø 4.2
- 15. Tap drill, Ø 4.7
- 16. Tap drill, Ø 5.5



Parallel pins

- 17. Parallel pin, slim
- 18. Parallel pin, thick



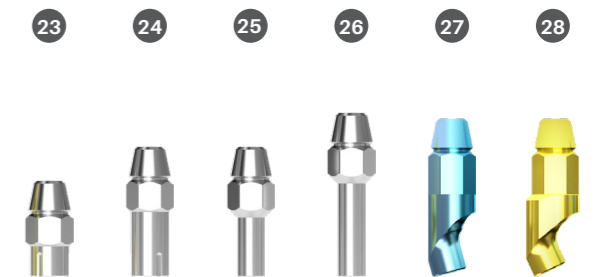
Implant drivers, mechanical

- 19. PCL - CCL - ECL, L5
- 20. PCL - CCL - ECL, L10
- 21. TCL, L10
- 22. TCL, L15



Implant drivers, manual

- 23. PCL - CCL - ECL, L5
- 24. PCL - CCL - ECL, L10
- 25. TCL, L10
- 26. TCL, L15
- 27. TCL, L10, 15°
- 28. TCL, L10, 25°



Prosthetic tools

- 29. Screwdriver, mechanical 6Lt1.27xL10
- 30. Screwdriver, mechanical 6Lt1.27xL15
- 31. Screwdriver, mechanical, ball torx 6Lt1.27xL15
- 32. Screwdriver, mechanical, ball torx 6Lt1.27xL20



Ratchet torque wrench

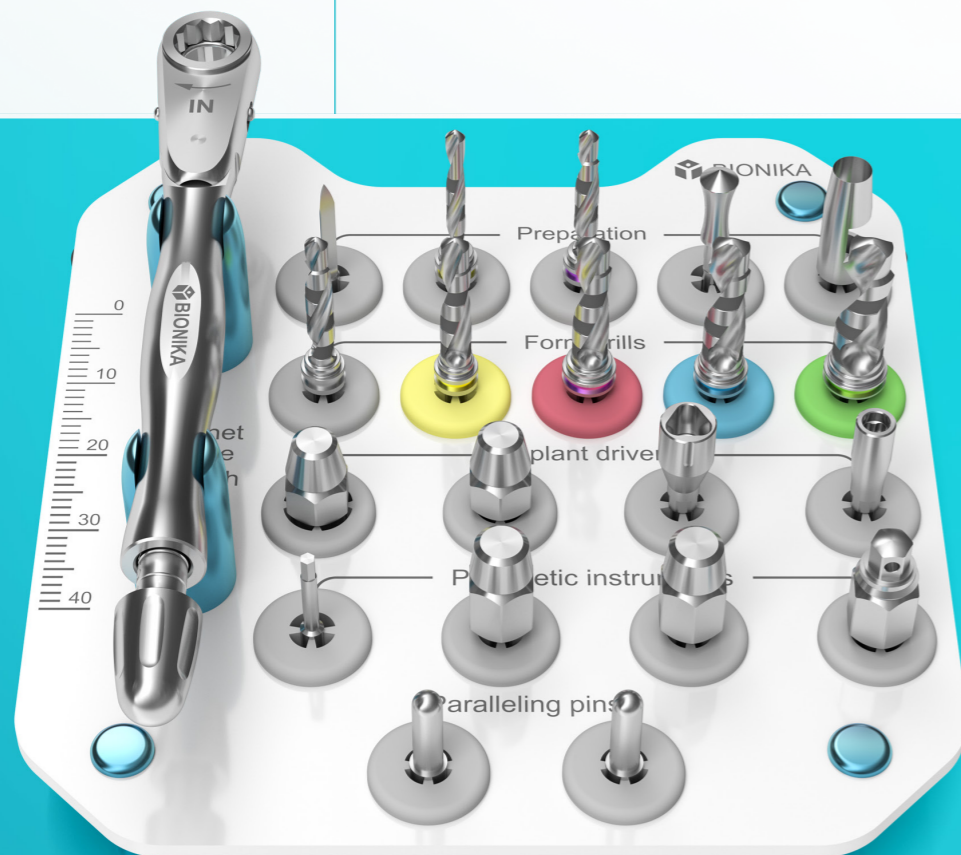
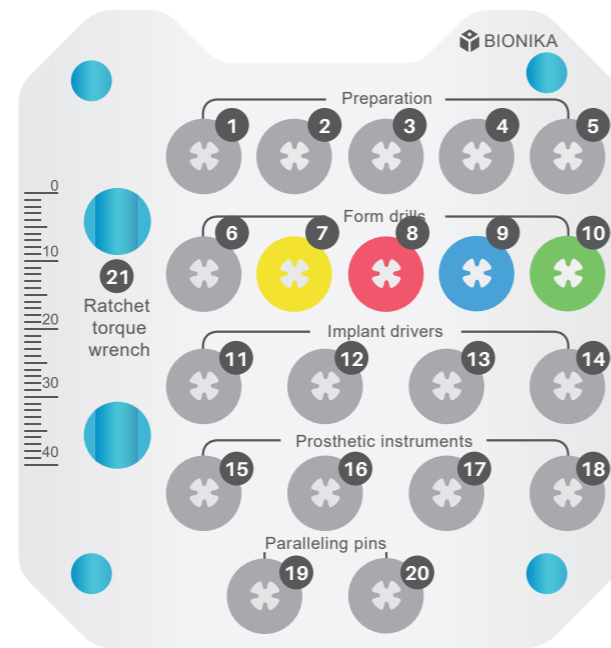
- 37. Ratchet torque wrench



CORTILOG Small instrument kit

The **CORTILOG Small Instrument kit** is a practical, more economical solution. It contains the same surgical instruments as the large tray, but in a smaller range of sizes. The small instrument tray contains 21 instruments in total.

Content arrangement of the **CORTILOG Small instrument kit**



Preparation

- 1. Pointer drill
- 2. Pilot drill Ø2.0
- 3. Pilot drill Ø2.5
- 4. Depth gauge
- 5. Gingiva punch



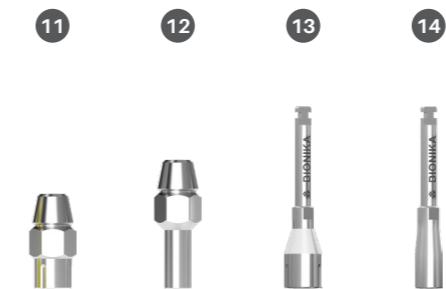
Twist drills

- 6. Twist drill, Ø 2.8
- 7. Twist drill, Ø 3.2
- 8. Twist drill, Ø 3.7
- 9. Twist drill, Ø 4.2
- 10. Twist drill, Ø 5.2



Implant drivers, mechanical

- 11. PCL - CCL - ECL, L5, manual
- 12. TCL, L10, manual
- 13. PCL - CCL - ECL, L10, mechanical
- 14. TCL, L10, mechanical



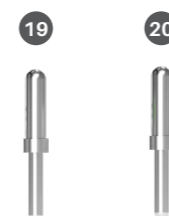
Implant drivers, manual

- 15. Screwdriver, mechanical 6L1.27xL10
- 16. Screwdriver, manual 6L1.27xL10
- 17. Locator screwdriver
- 18. Multi-unit screwdriver



Parallel pins

- 19. Parallel pin, slim
- 20. Parallel pin, thick

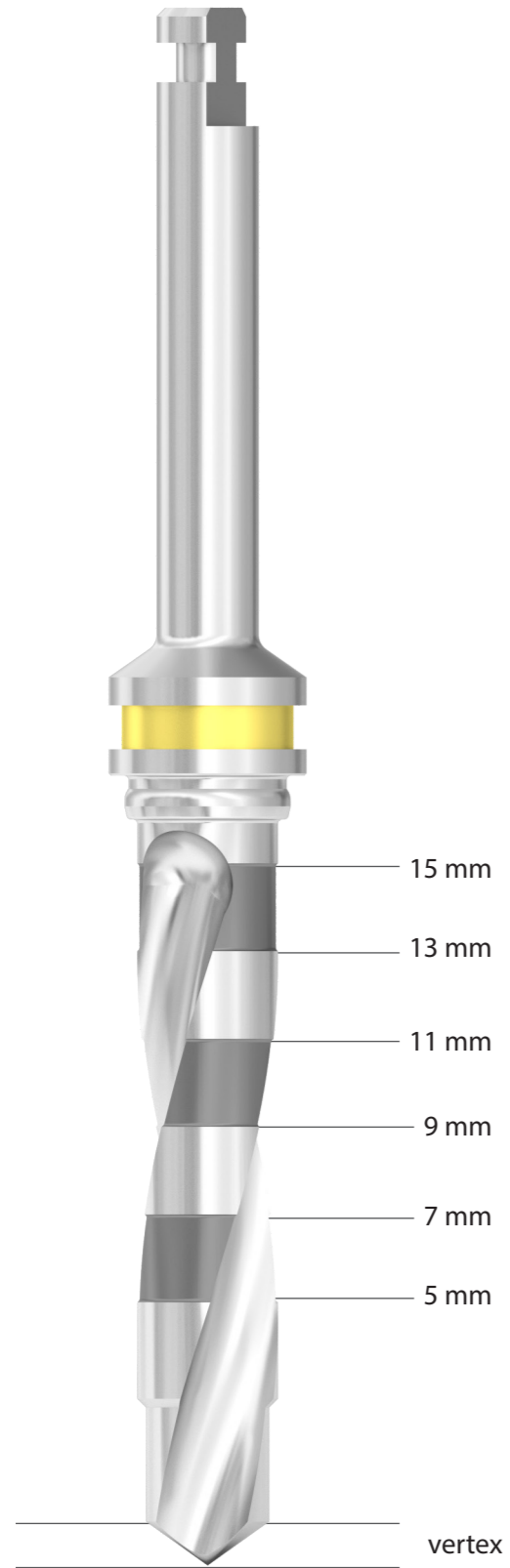


Ratchet torque wrench

- 21. Ratchet torque wrench



Surgical drills



The **BIONIKA drills** - which can be used during implant insertion - are available in a wide range of sizes (compatible with different instrument kits to provide you with the most economical solution).

Our drills are externally cooled and have bone collecting properties. Acidic alloy steel and excellent sharpness guarantee long-term use. Each drill is provided with the required drilling depths. Diameters are indicated by color codes.

Spiral drills are suitable for preparing implant nests. They are recommended to use according to the drilling protocol, in the case softer and harder bone structures.

The **Thread Calibrator Drills** are suitable for expanding the implant nests as needed, so that we can extend the upper third of the bone nest. They are recommended to use in the case of harder than average bone structure

Surgical drills size range

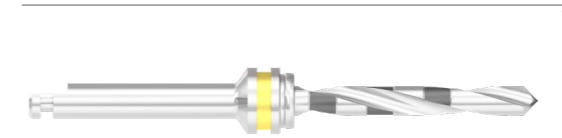
POINTER DRILL Ø2.0



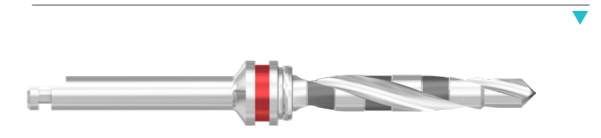
BALL-END DRILL



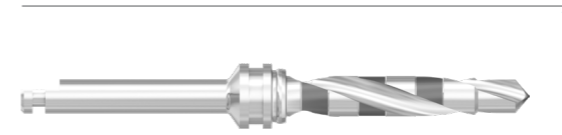
PILOT DRILL Ø2.0 mm



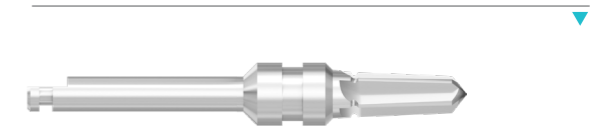
PILOT DRILL Ø2.5 mm



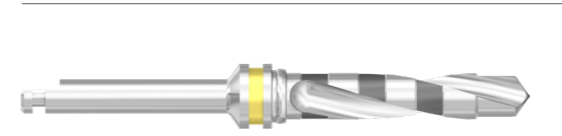
TWIST DRILL Ø2.8 mm



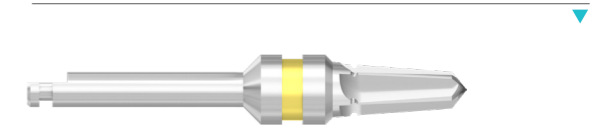
TAP DRILL Ø3.2 mm



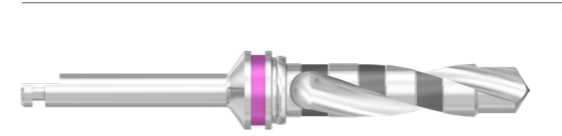
TWIST DRILL Ø3.2 mm



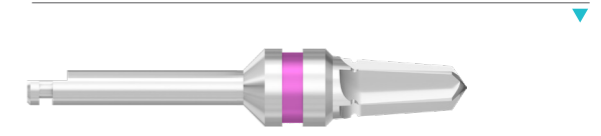
TAP DRILL Ø3.7 mm



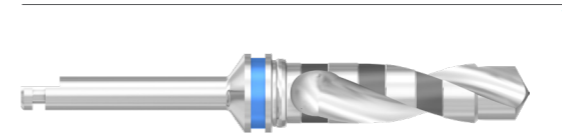
TWIST DRILL Ø3.7 mm



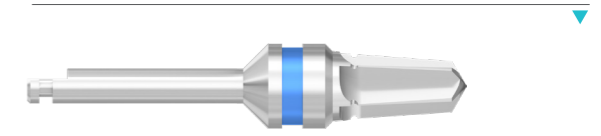
TAP DRILL Ø4.2 mm



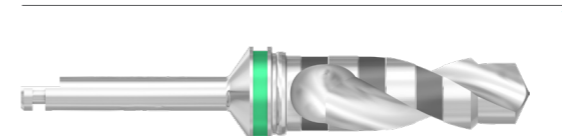
TWIST DRILL Ø4.2 mm



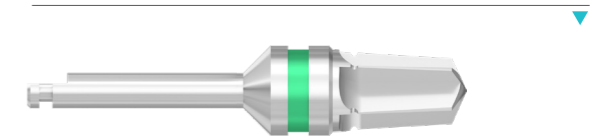
TAP DRILL Ø4.7 mm



TWIST DRILL Ø5.2 mm



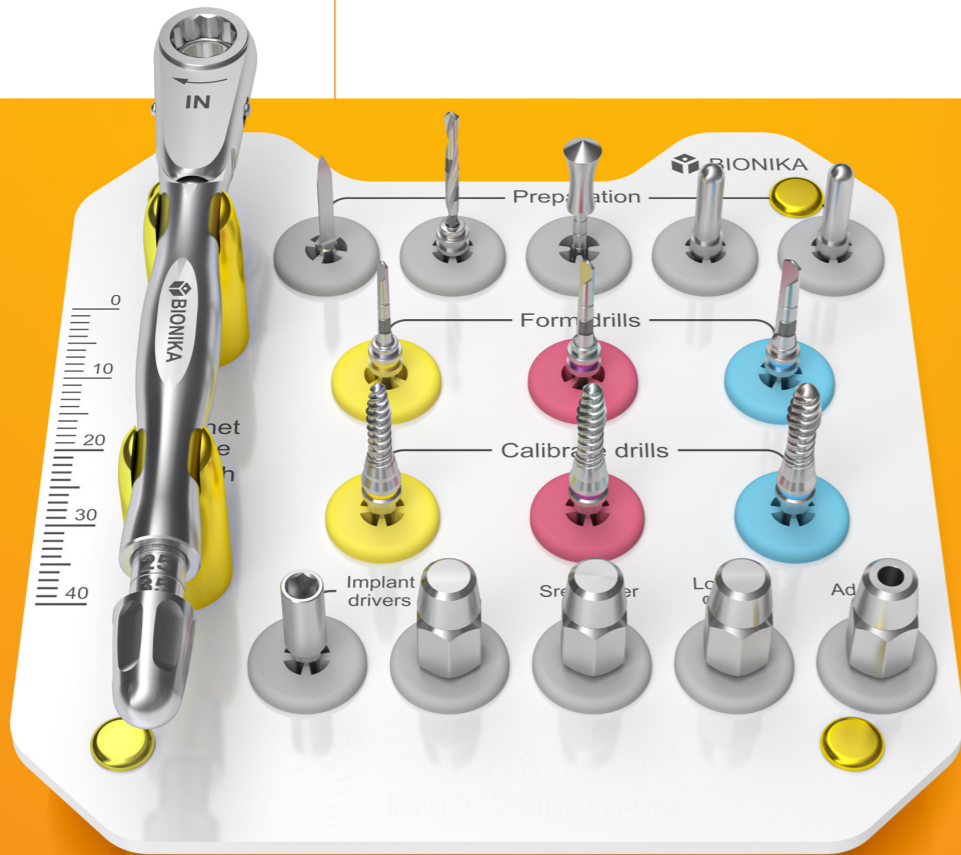
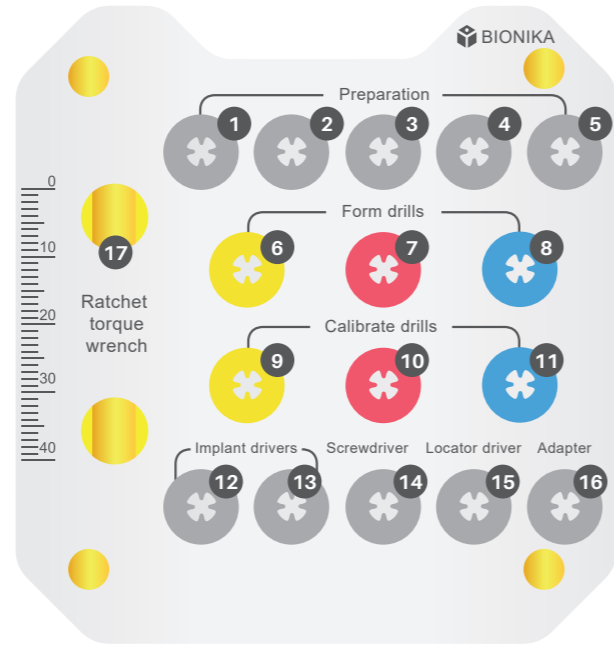
TAP DRILL Ø5.5 mm



CORTILOG mini instrument kit

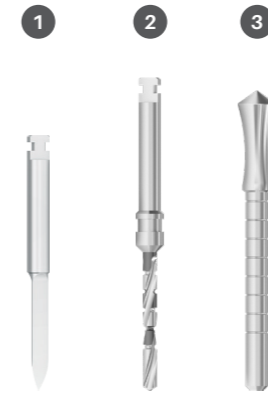
The **CORTILOG mini implant** set is an implant placement set developed for mini implants. The instrument tray contains 21 instruments in total.

Content arrangement of the **CORTILOG mini** instrument kit



Preparation

- 1. Pointer drill
- 2. Pilot drill
- 3. Depth gauge



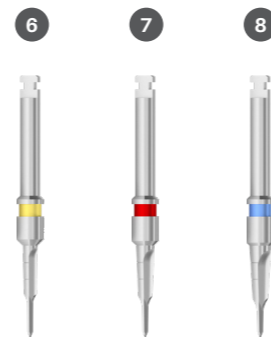
Parallel pins

- 4. Parallel pin, slim
- 5. Parallel pin, thick



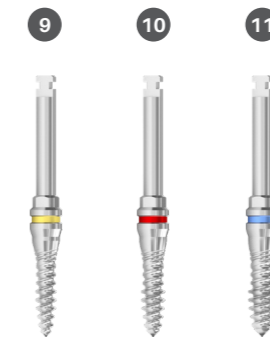
Twist drills

- 6. Twist drill Ø1.7xL11
- 7. Twist drill Ø2.1xL11
- 8. Twist drill Ø2.5xL11



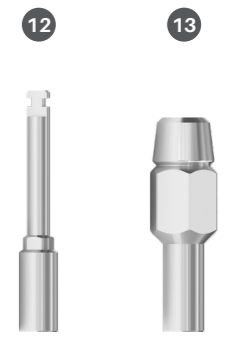
Thread calibration

- 9. Tap drill Ø2.3/2.5xL11
- 10. Tap drill Ø2.5/2.9xL11
- 11. Tap drill Ø2.7/3.3xL11



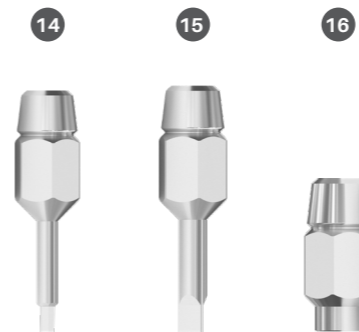
Implant driver

- 12. Implant driver, mechanical
- 13. Implant driver, manual



Prosthetic tools

- 14. Screwdriver, manual 6LT1.27xL10
- 15. Locator screwdriver
- 16. Multi-unit screwdriver 6LT2.7



Ratchet torque wrench

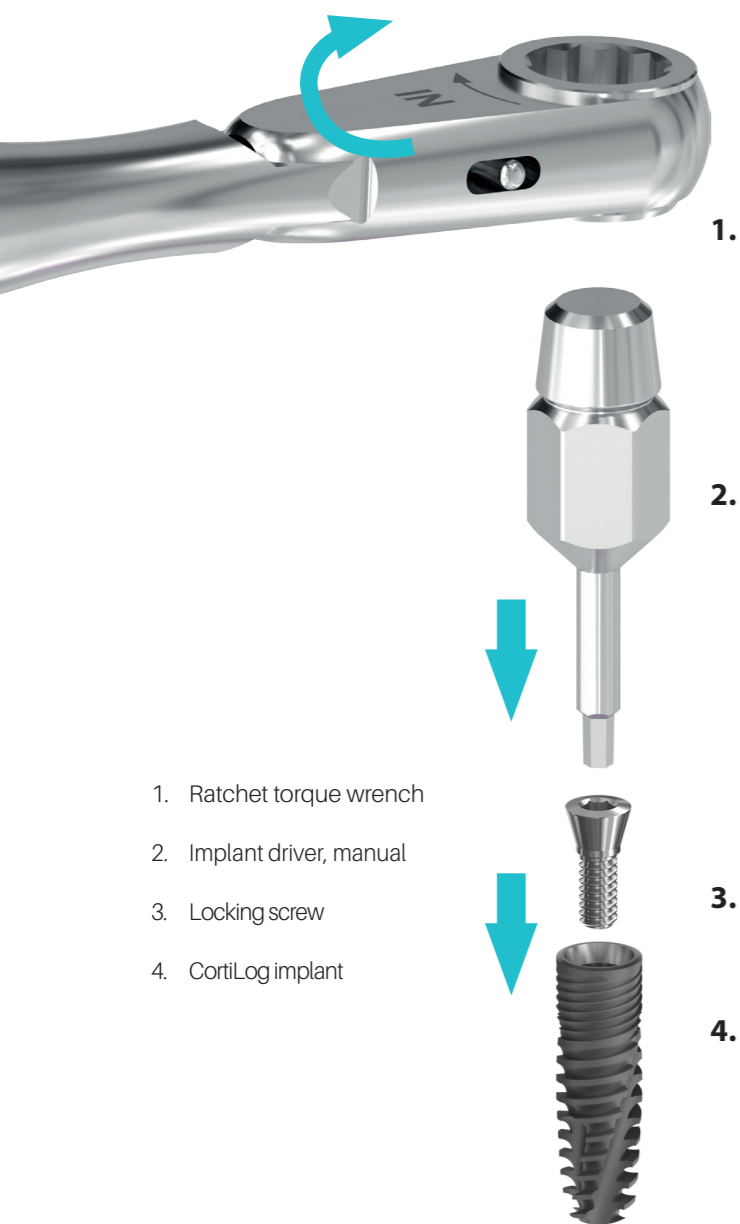
- 17. Ratchet torque wrench



Ratchet torque wrench

The ratchet torque wrench is used to tighten and insert screws and implants. Using pre-set torque prevents the implant from fracturing and ensures the optimal power transfer when inserting the implant. The scale of the torque rates from 15 to 35 Ncm. The desired torques can be adjusted from 15 Ncm to the right for the desired scale.

When the ratchet torque wrench adjuster bolted to the stop, the wrench of the torque can be infinite, so it can also be used to produce a much greater torque than the torque shown on the scale, as needed.



1. Ratchet torque wrench
2. Implant driver, manual
3. Locking screw
4. CortiLog implant



- ERGONOMIC CONSTRUCTION
- RELIABLE LIFETIME
- PRECISE TORQUE CONTROL
- STAINLESS STEEL
- SOUND SIGNAL
- REPLACABLE KEY INTERLINE
- THE TORQUE VALUE IS NOT ADJUSTED DURING USE
- PROFESSIONAL QUALITY

- 15 Ncm
- 25 Ncm
- 35 Ncm
- endless torque

The desired torques can be set by turning from 15 Ncm to the right.

Use of ratchet torque wrench

Abutments and screws	Adapters	Torque	
Locking screw Healing screw Impression coping screw for closed and open tray Impression coping for closed and open tray		Implant driver, manual 10-15 Ncm	
Surgical abutment screw Universal abutment, straight Universal abutment, oblique Anatomical abutment, straight Anatomical abutment, oblique Titanium base Multi-unit abutment, through-bolted			Ratchet torque wrench Torque of the required screw tightening: In the case of M1.4 screw it is 15 Ncm In the case of M1.6 screw it is 20 Ncm In the case of M1,8 screw it is 25 Ncm In the case of M2.0 screw it is 30 Ncm
Multi-unit SR abutment screw Multi-unit abutment, straight Multi-unit SR abutment, straight Ball retention abutment Locator abutment			



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