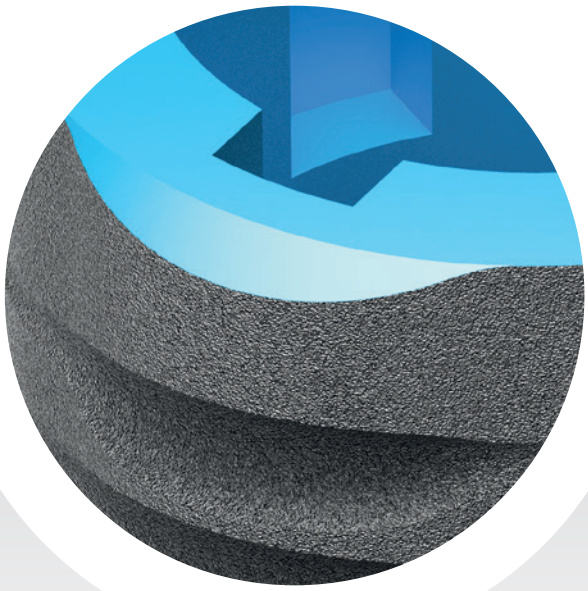
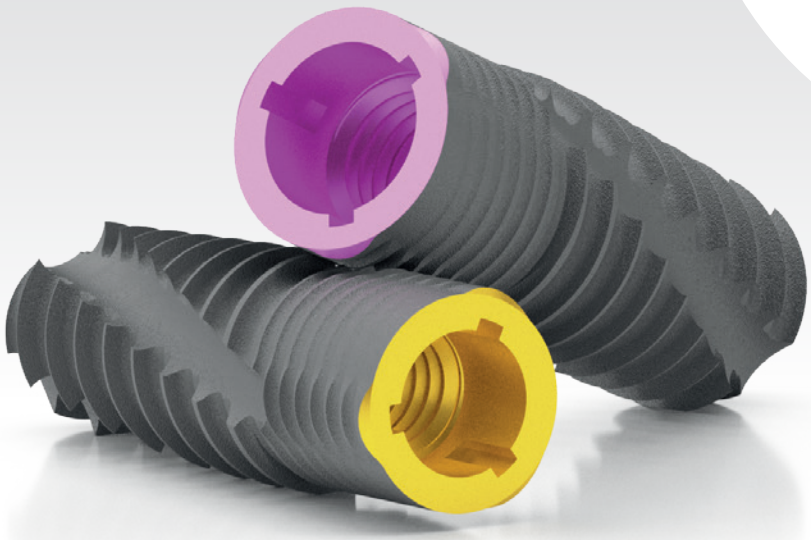
CORTILOG
IMPLANT SYSTEM





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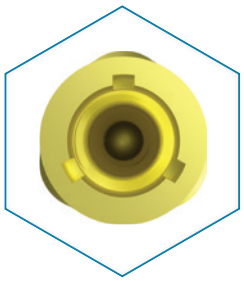
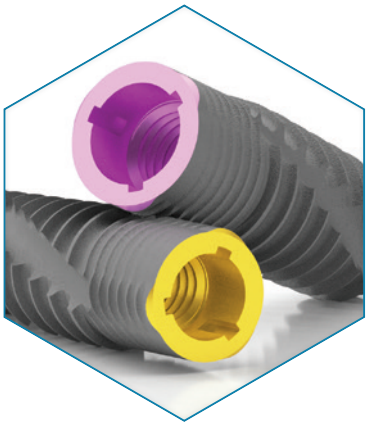
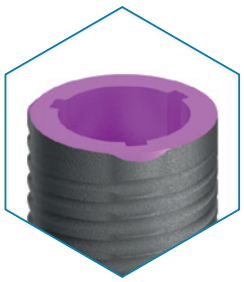






About the company

BIONIKA Medline Orvostechnical Kft. was founded in 1989. The owners of the company are Hungarian and Swedish citizens. We have a 30-year-experience in the field of medical instruments and implant development, production and trade.

According to our objective and perception, we attach great importance to the word "BIONIKA", which marks a scientific thinking on the boundaries of biology, technology and electronics that combines these three areas in our researching and developing work.

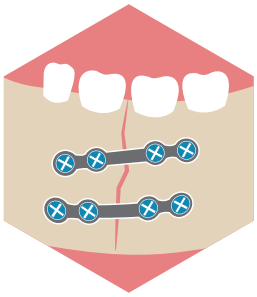
Clinical and technological experiences: The continuous process, combination and utilization of clinical and technological experiences in development contributes to our success, up to the production base. Here you will find the best solutions and constructions suited to customer needs, which are under continuous development.

Development: The owners of BIONIKA put great emphasis on continuous product and technological research and development. Our products are developed in close collaboration with doctors and engineers, enabling us to ensure the world-class quality and practical utilization.

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 30 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.

Some of these parts have been developed for their own marketing in accordance with their own market needs. Other systems - in cooperation with independent medical groups - are made to order, mainly developed and manufactured for foreign markets. (These are sold by the customers 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 turnaround time.

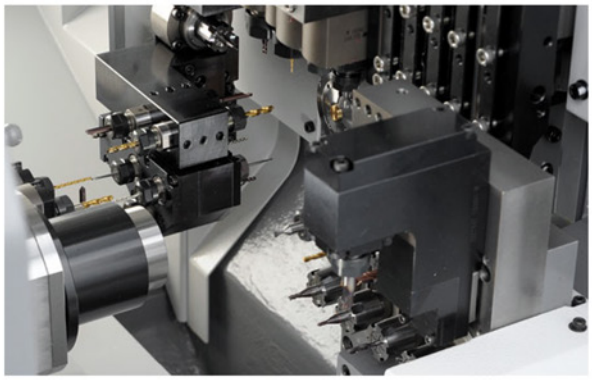
This area requires high precision production (in some cases it is necessary to hold 2-5µm tolerances). All the technological operations we carry out are from manufacturing, surface design, packaging. Our products are CE marked and the production process is under strict quality management system.

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

Because relatively small series of customized solutions are required, they require fast programmable CNC machining technology. Accordingly, we have molded CNC machining centers and Swiss type longitudinal machining centers. For machining more complex surfaces, an industrial 5-axis CNC center is used with CAD-CAM system support. Our machines are equipped not only with fixed , but also with propelled cutting instrument units, with which we can perform more complex spatial geometrical machining.

As a complementary technology, we have sandblasting, polishing titanium coloring and sterilization equipments.
The production of custom prosthetic components for dental applications is supported by the BIONIKA Milling center.

Our Partners



Quality management and guarantee

The quality of the products 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, which was ensured by EMKI.

We provide a long-term, 10-year guarantee for our products. After inserting the implant, reducing the medical risk of the ossification process, independently of cause and effect relationship – exchange guarantee is ensured within one year after the purchase for the dropped and fallen out implants.

AAA®
Highest creditworthiness

BIONIKA Medline Kft. has always paid close attention to quality and reliability during its nearly 30 years of existence. The Bisnode certificate is proof of our reliability and stability. BIONIKA also received a "Triple A" Bisnode qualification in 2016 and 2017.

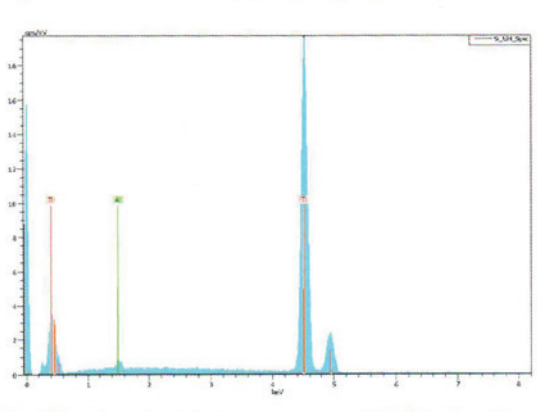
With AAA (triple A) rating, only 0.63% of companies in Hungary have the financial risk of establishing a business relationship with them - source: bisnode.hu

Superclean implant surface

BIONIKA demonstrates the best qualities of Grade 4 titanium used in implant manufacturing for dental implantology according to the ISO 5832-2 ASTM F67 standard.

Due to its adequate purity the biocompatibility is exceptionally good as well as it is provided with exceptional solidity. Initially, we and other implant manufacturers preferred the higher purity titanium but due to solidity reasons nowadays almost every implant is made of Grade 4 or other alloyed titanium in the world.

In all cases of implant abutments, alloyed, high strength Grade 5 titanium is applied according to the ISO 5832-4 ASTM F136 standard. The titanium applied according to the standard is provided with exceptional biocompatibility, it is almost risk-free. Almost all professionals see that the implantation success is best determined by the implantologist's practice, as well as surgical conditions, carefully maintained hygiene, and patient abilities.



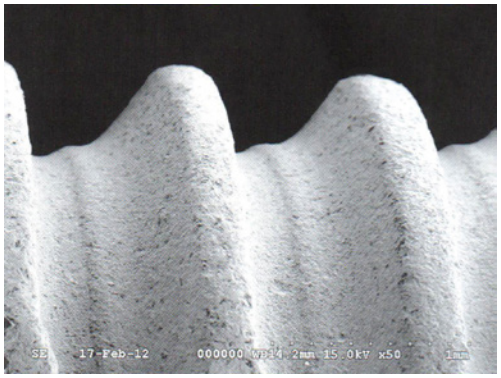
*Energy dispersive X-ray spectometric elemental analysis of Bionika implants**

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

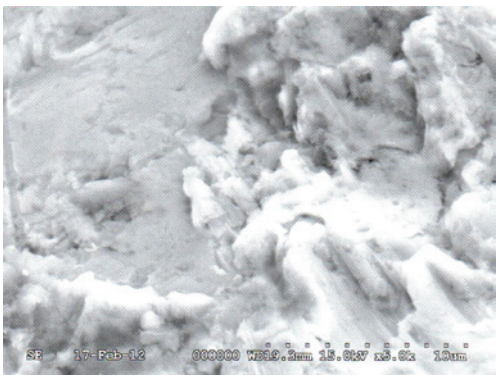
The main steps of our BioTiS surface finish technology:

- Chemical, mechanical surface cleaning and surface dewing
- Special ultrasonic cleaning, surface cleaning and sterilization
- Transformation of surface structure by acidification process
- Multi-stage dehumidification, cleaning
- Electrochemical surface modification
- sterilization
- Surface finish in physiological solution

These technological steps are always carried out under sterile conditions.
The final packaging of the implants is four-layered. The packaging is carried out in a sterile cabin. Final sterility is assured by an accredited 20 Rad gamma sterilization procedure.



*Bionika implant electron microscope image **



*Bionika implant electron microscope image **

Applied raw materials

Titanium grade 4

Chemical composition

Elements	Threshold limit of constituents(%)
0	0,4 max.
Fe	0,3 max.
C	0,1 max.
N	0,05 max.
H	0,0125 max.
Ti	>99% / balance

Mechanical properties

solidity	680 MPa min.
dilation	10 %

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

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

Mechanical properties

solidity	860 MPa min.
dilation	10 %

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

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.

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 5832-4** standard.

Plastics

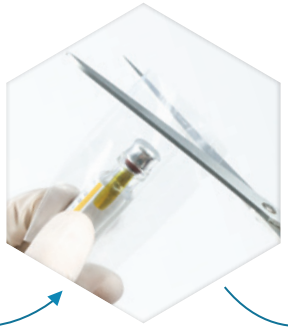
POM (polyoxymethylene) : Thermoplastic synthetic plastic, Excellent properties eg: high hardness, low wear, good flexibility, little absorbing ability. Density: 1.41 g / cm3. elongation at break: min. 30% Current Voltage: min. 65 Mpa. Its color is white.

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.

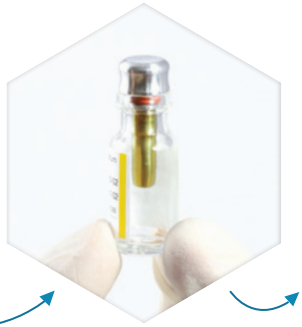
CORTILOG packaging

10 - piece collection box

vial in sterile foil



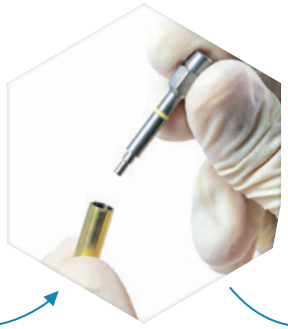
removing the foil



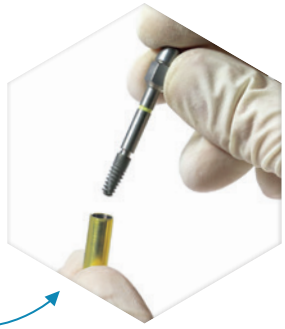
sterile vial

removing the locking plug (1)

removing the locking plug (2)



using the implant key driver



removing the implant

Collection box

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

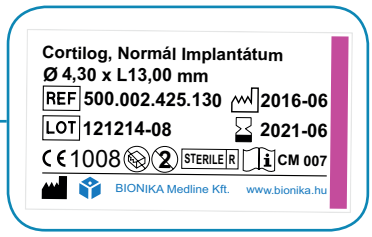
CORTILOG packaging

According to our endeavor, the raw materials used in packaging are almost 100% naturally occurring, environmentally-friendly, natural materials.

aluminum · titanium · glass · caoutchouc · paper

Vial

The first two layers of the packaging are a transparent vial and the implant holding metal poor box. These two layers ensure the total, null colony-forming unit sterility.

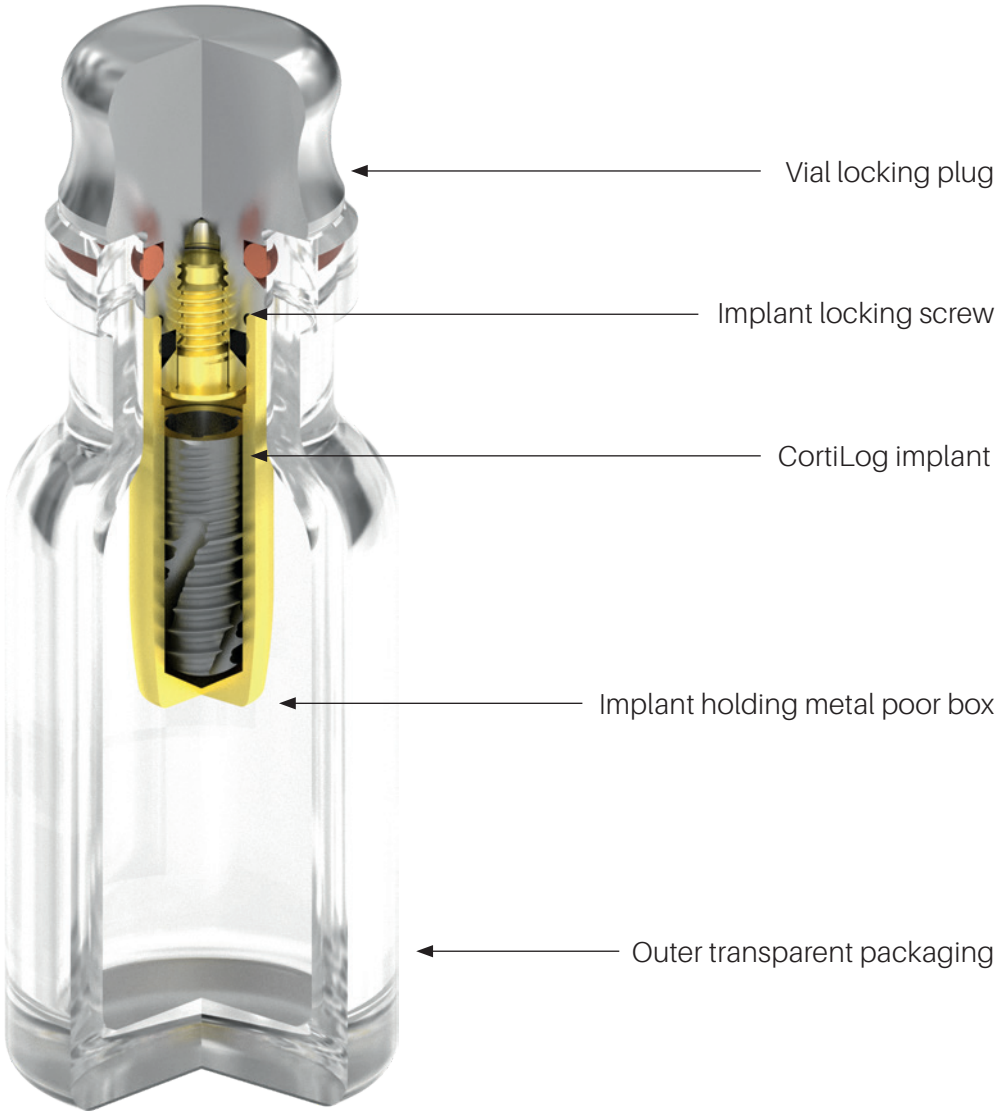


Paper box

The outer layer of the packaging is a paper box with a high density, which is for the physical safety. Every paper box is provided with colour-coded labels according to the different platform- diameters. The colour of the packaging is adjusted to this method.

The sectional image of the packaging and its accessories

The inner layer of the packaging is the poor box which holds the implant. The implant itself can be found in the poor box. The locking plug of the vial holds the poor box, with this it can be removed from the vial. The implant locking screw can be found in the plug as well.



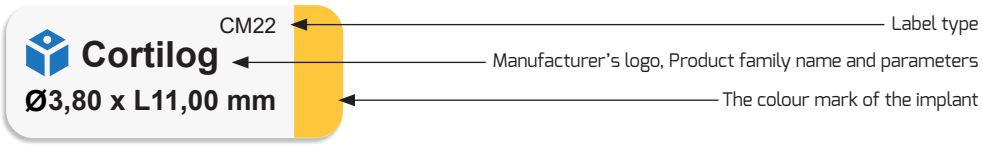
CORTILOG product labels and their notation

Differential platform diameters by colour and diameter (mm):

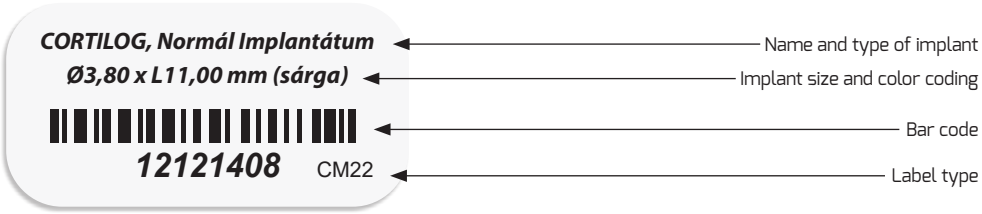
Ø 3,0 mm - grey Ø 3,8 mm - yellow Ø 4,3 mm - purple Ø 5,0 mm - blue Ø 6,0 mm - green

Information supplied by the three product labels to the outer packaging of the Implant System:

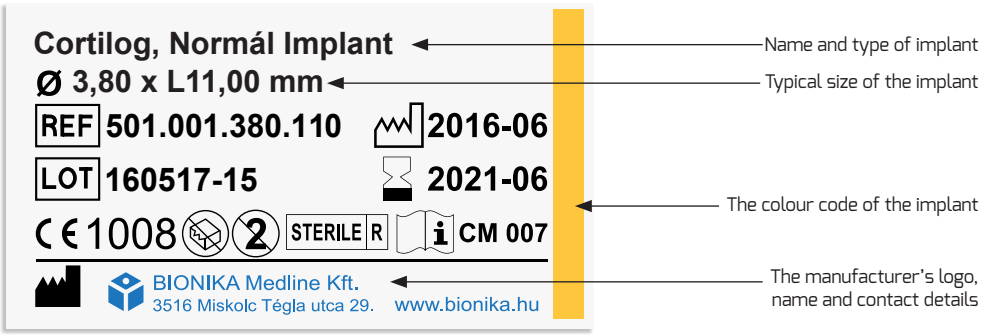
The side of the box:



Top of the box :

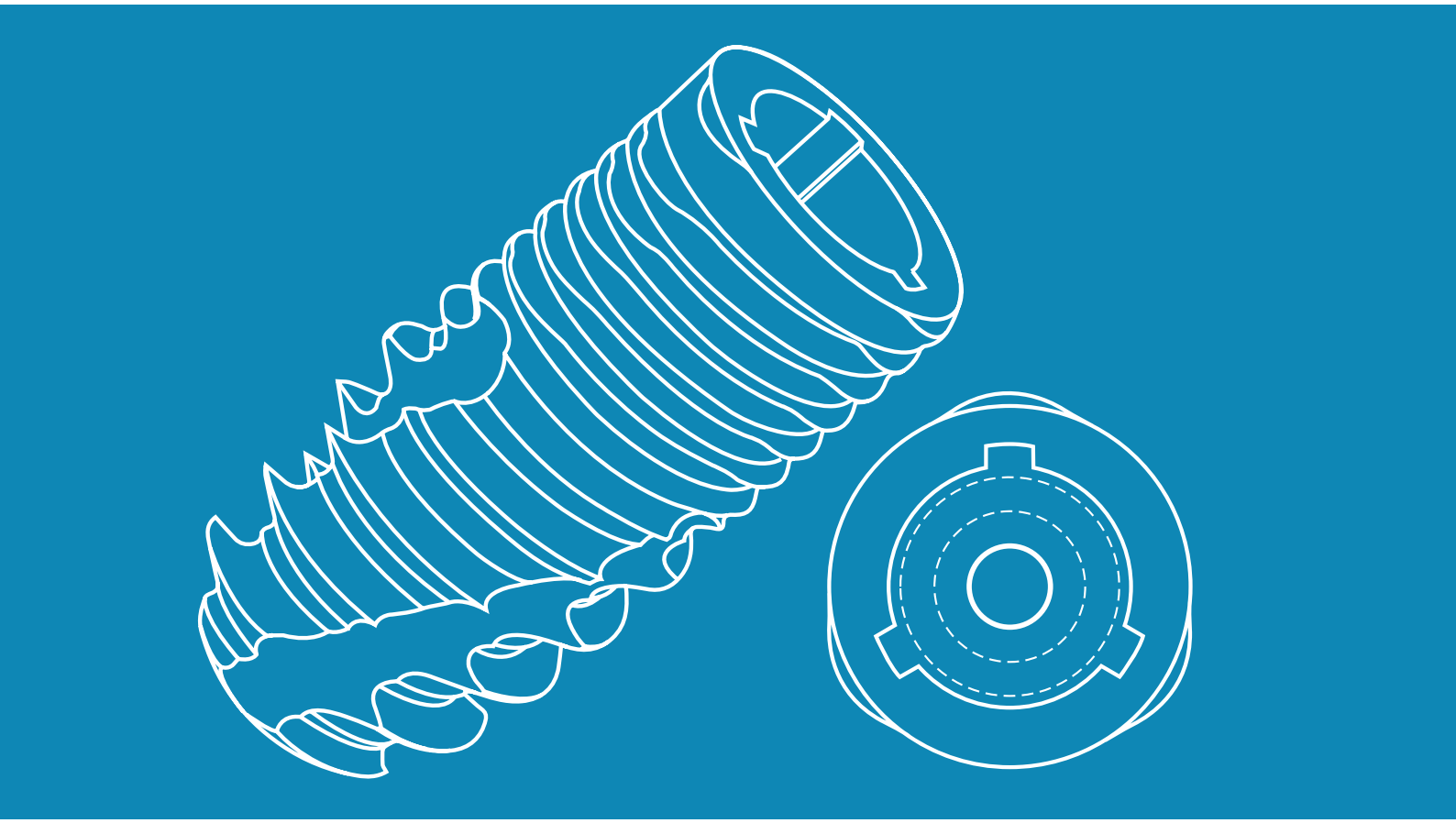


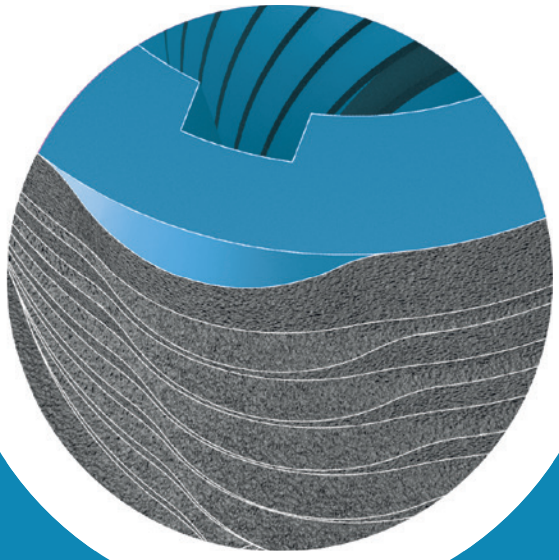
The back of the box :



Explanation of label codes:

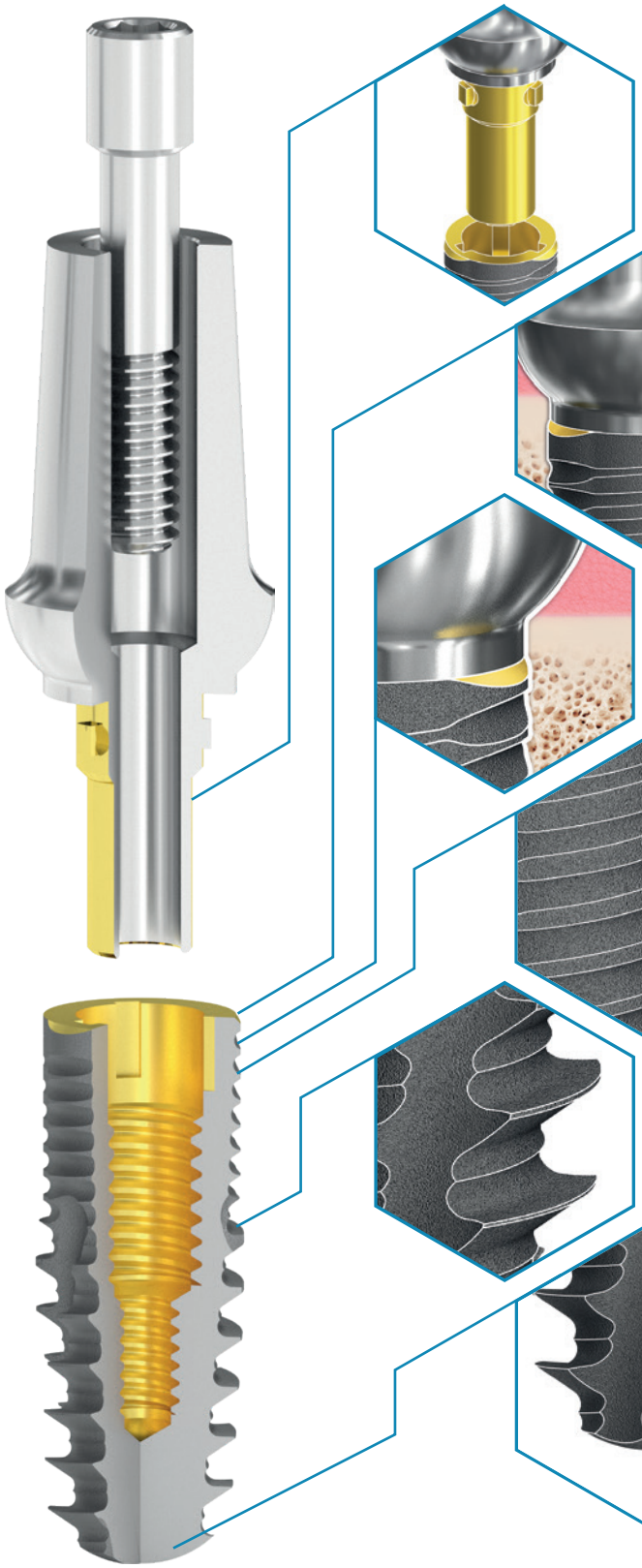
Ø	Diameter		Expiration date	NON STERILE	Non-sterile product in the package
L	Implant length		It is forbidden to use in the case of damaged packaging.		Read the usage guide!
REF	Item number	2	Reuse is forbidden!	CE 1011	Certification company code
LOT	Serial number	STERILE R	Sterilized with gamma rays		Manufacturer's name and Contact
	Production time	STERILE	sterilized with steam or dry heat		





CORTILOG
IMPLANT SYSTEM

Distinctive characteristics of the **CORTILOG** implant system



Connection: tube-in-tube

Tube-in-tube connection with a flat platform. The three cam shape ensures an accurate anti-rotation inhibition.

Cortical Level

The chances of the implant persistency are significantly improved by inserting the upper edge of the implant at the cortical level or below.

Platform switching

The diameter of the abutment is smaller than the outer part of the implant which is connected to the bone. The bone can creep onto the upper edge of the implant .

Spirally microstriated surface

The microstriated surface can function as a significant weight bearing element. This self-closing thread structure and cycoid cord thread ensures micromotor-free condition and fast insertion.

Anatomical root form

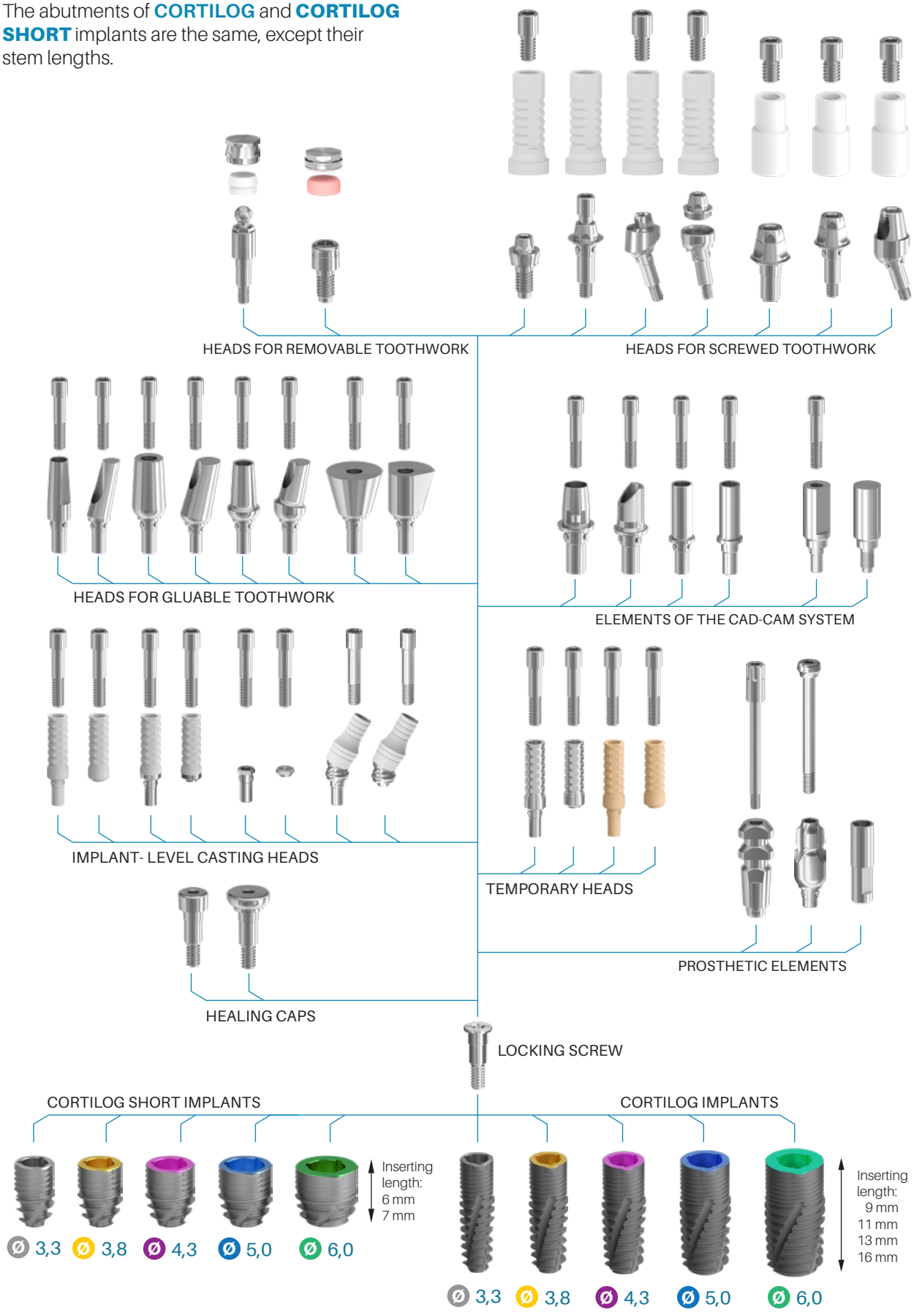
Due to the conicity, high thread pitch, high thread depness, self-closing and self-tapping shaping of the implant screw thread, it has a bone-compacting effect and with due diligance, it can be loaded immediately.

Rounded implant end

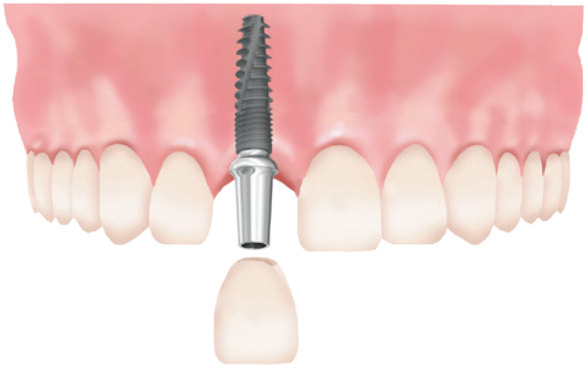
It helps facilitating the minor direction changes when inserting the implant.

The functional structure of the **CORTILOG** system elements

The abutments of **CORTILOG** and **CORTILOG SHORT** implants are the same, except their stem lengths.



The applicational fields of the **CORTILOG** implant system

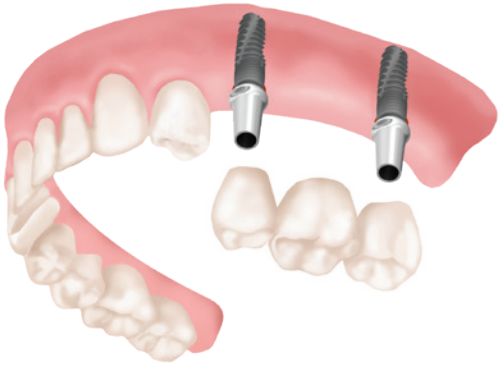


In the case of one tooth deficiency

In this case of the replacement of a tooth, we do not have to grind two healthy teeth for bridge replacement, but inserting an implant, then we need to glue a crown in the same way as the traditional one.

In the case of end of line tooth deficit(s)

In this case, in the absence of a pillar tooth, we are not able to make a fixed replacement (bridge). With the implantation of at least two implants, you are already make the (fixed) bridge replacement.



Removeable denture

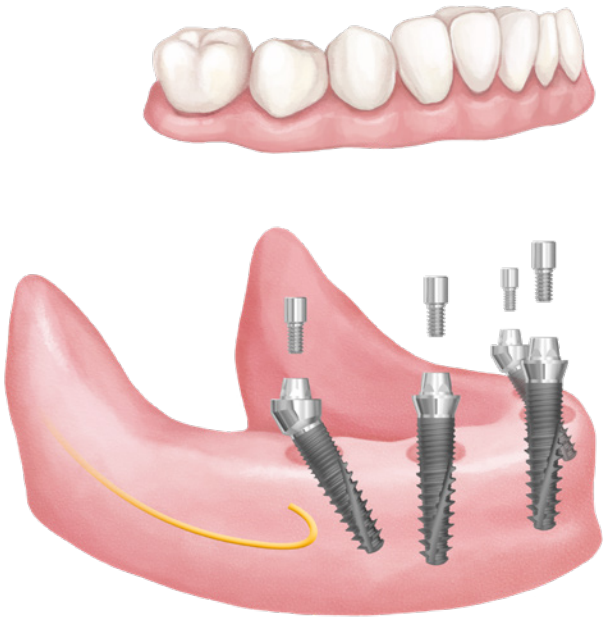
In the case of total tooth deficit

In this case the patient has no tooth, complete tooth augmentation can be performed. In this case, there one solution is the removable denture: 2-4 implants are implanted, these will be the fixation for the removable tooth.

This brings a tremendous quality of life to the patient, as this way the denture will be very stable, so it can be used in chewing and speaking outright. There are two solutions possible in this case: ball head or locator head abutments can be applied.

With the implantation of several 6-8 implants, it is possible to make full fixation (round bridge) augmentation, which is both functional and aestheticaly-ly close to the natural teeth.

Screw-retained fixed dental prosthetics



Optimum Concept

Optimum Concept

All-on-4® type - Economical Solution

The Optimum Concept provides great stability, with only four implants being implanted.

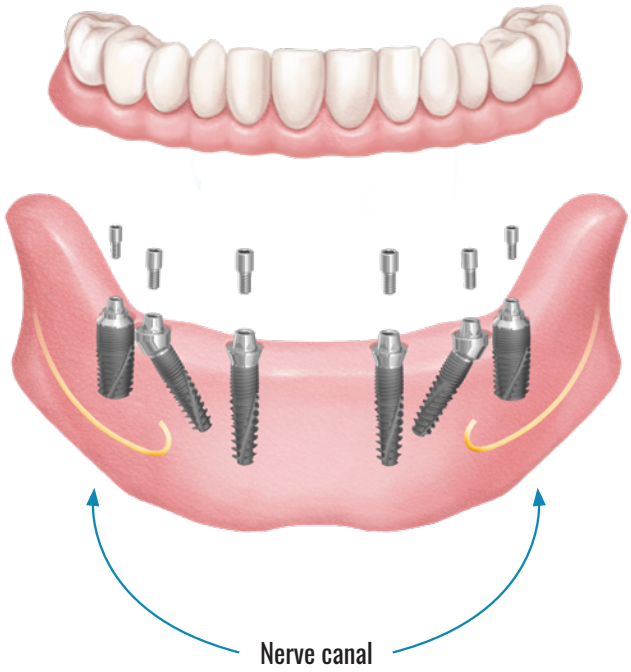
- The temporary denture can be inserted on the day of surgery.
- Immediate improvement in function, speech and aesthetically.
- Treatment times are shorter and costs can be lower than conventional implant placement modes.
- Tilt rear implants can be fixed better into the front bone. This promotes prosthesis support.

Safe Concept

All-on-6® type - For extra stability

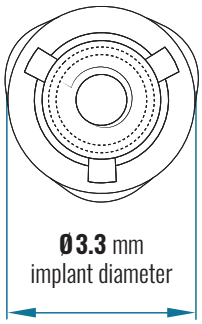
The stability of the toothwork can be increased with the Safe Concept. It is exceptionally advantageous in the case of extra chewing ability.

- The usage of oblique head implants allows longer implants to be used, avoiding the nerve canal.
- The usage of longer implants allows the bone and the implant to touch on a larger surface, thus making bone augmentation avoidable.
- Favorable bone level for tilted and axial implants.
- High remaining chances.



Safe Concept

CORTILOG - Ø3.3 mm implant diameter



The narrow, ø3.3 mm CORTILOG implant is exceptionally suitable for thinner than average bone structures for holding the toothworks on the long run.

The raw material of it is homogeneous, high solidity alloyed titanium.

CORTILOG manual implant key driver


ø 3.3 mm
L 12 mm


ø 3.3 mm
L 6 mm

CORTILOG mechanical implanr key driver


ø 3.3 mm
L 12 mm


ø 3.3 mm
L 6 mm

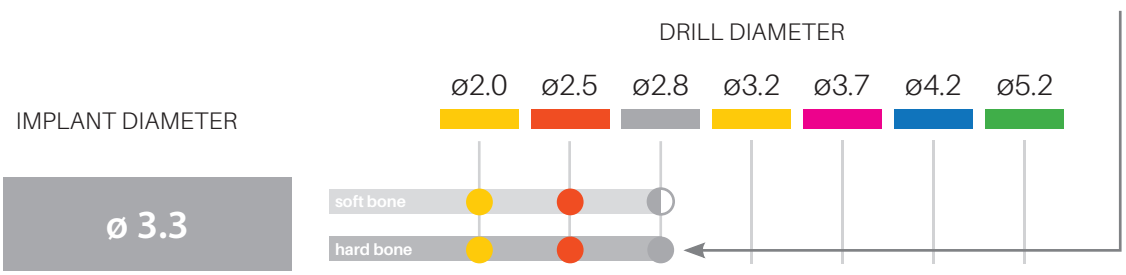
Sizes available of the **CORTILOG** Ø3.3 implant

ø 3.3

The drilling protocol of the CORTILOG narrow implant

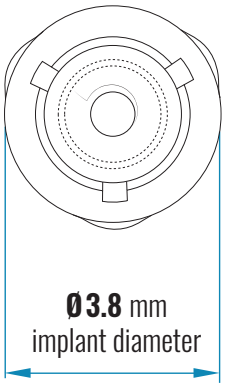
Drilling indicators:

- alternatively used
- ½ length drilling alternatively
- recommended drilling in ¾ or in full length



ø 3.3

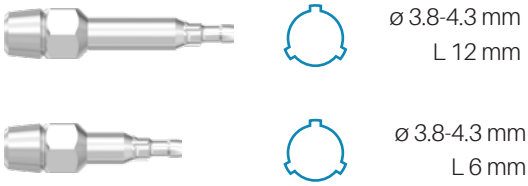
CORTILOG ø3.8 mm implant diameter



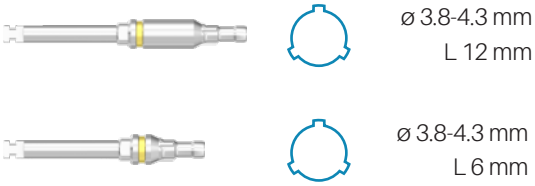
The normal, ø3.8 CORTILOG implant is exceptionally suitable for average bone supply and normal chewing ability for holding the toothworks on the long run.

The raw material of it is homogeneous, high solidity alloyed titanium.

CORTILOG manual implant key driver



CORTILOG mechanical implanr key driver



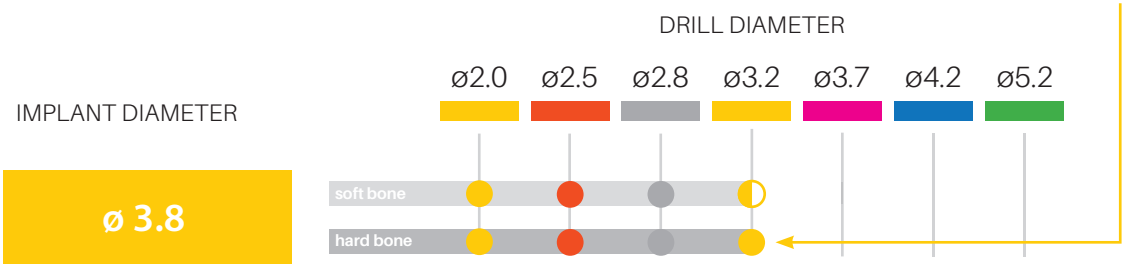
Sizes available of the **CORTILOG** Ø3.8 implant

ø 3.8

The drilling protocol of the CORTILOG normal implant

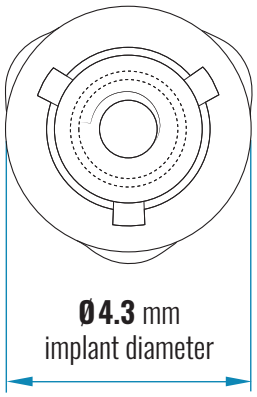
Drilling indicators:

- alternatively used
- ½ length drilling alternatively
- recommended drilling in ¾ or in full length



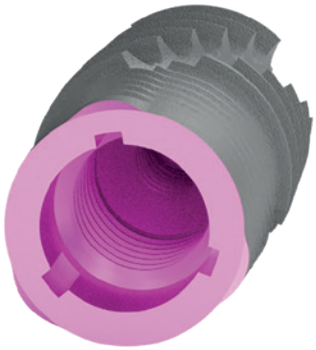
ø 3.8

CORTILOG ø4.3 mm implant diameter



The normal, ø4.3 CORTILOG implant is exceptionally suitable for average bone supply and normal chewing ability for holding the toothworks on the long run.

The raw material of it is homogeneous, high solidity alloyed titanium.



CORTILOG manual implant key driver

ø 3.8-4.3 mm
L 12 mm

ø 3.8-4.3 mm
L 6 mm

CORTILOG mechanical implanr key driver

ø 3.8-4.3 mm
L 12 mm

ø 3.8-4.3 mm
L 6 mm

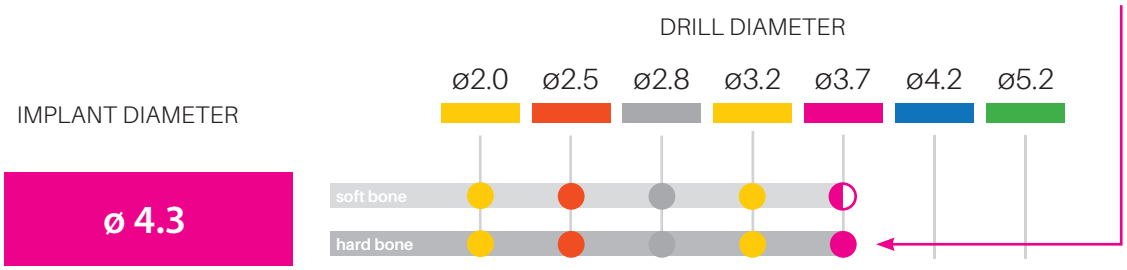
Sizes available of the **CORTILOG** Ø4.3 implant

ø 4.3

The drilling protocol of the CORTILOG normal implant

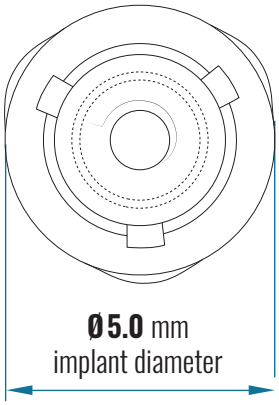
Drilling indicators:

- ○ - alternatively used
- ◐ - ½ length drilling alternatively
- ● - recommended drilling in ¾ or in full length



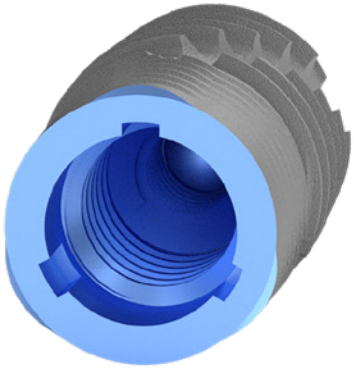
ø 4.3

CORTILOG ø5.0 mm implant diameter



The CORTILOG implant with ø5.0 mm diameter is exceptionally suitable for bigger than average bone supply and normal chewing ability for holding the toothworks on the long run.

The raw material of it is homogeneous, high solidity alloyed titanium.



CORTILOG manual implant key driver

ø 5.0-6.0 mm
L 12 mm

ø 5.0-6.0 mm
L 6 mm

CORTILOG mechanical implanr key driver

ø 5.0-6.0 mm
L 12 mm

ø 5.0-6.0 mm
L 6 mm

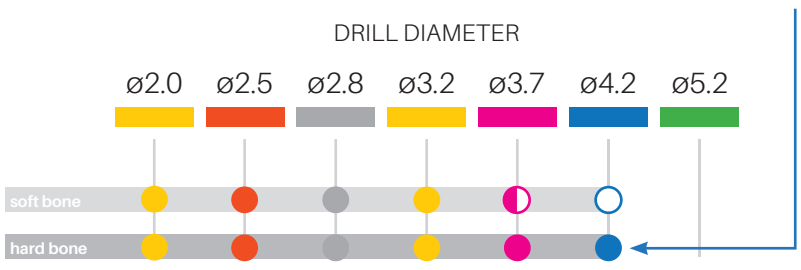
Sizes available of the **CORTILOG** Ø5.0 implant

ø 5.0

The drilling protocol of the CORTILOG thick implant

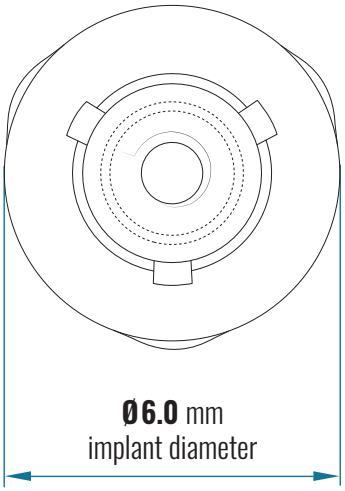
Drilling indicators:

- alternatively used
- ½ length drilling alternatively
- recommended drilling in ¾ or in full length



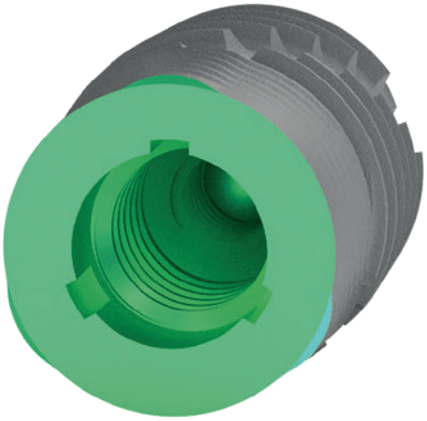
ø 5.0

CORTILOG ø6.0 mm implant diameter



The CORTILOG implant with ø6,00 implant diameter is exceptionally suitable for bigger than average bone supply and normal chewing ability for holding the toothworks on the long run.

The raw material of it is homogeneous, high solidity alloyed titanium.



CORTILOG manual implant key driver


ø 5.0-6.0 mm
L 12 mm


ø 5.0-6.0 mm
L 6 mm

CORTILOG mechanical implanr key driver


ø 5.0-6.0 mm
L 12 mm


ø 5.0-6.0 mm
L 6 mm

Sizes available of the **CORTILOG** Ø6.0 implant

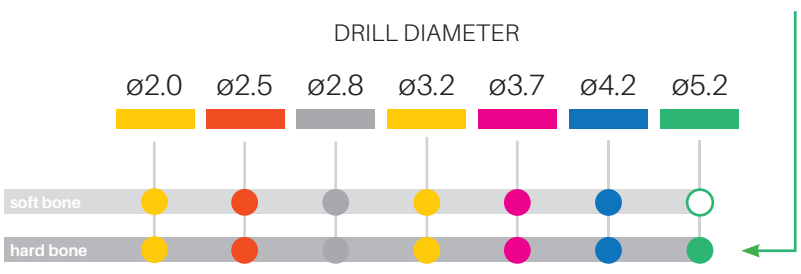
ø 6.0

INSERTING LENGTH

The drilling protocol of the CORTILOG thick implant

Drilling indicators:

- alternatively used
- ½ length drilling alternatively
- recommended drilling in ¾ or in full length

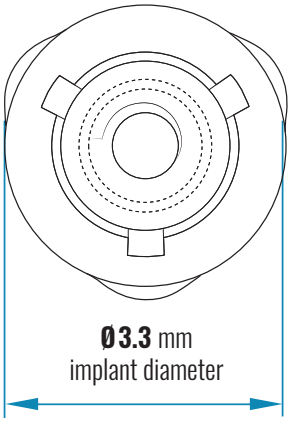


IMPLANT DIAMETER

ø 6.0

CORTILOG SHORT

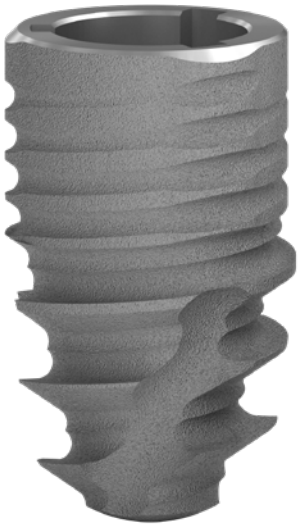
CORTILOG **SHORT** ø3.3 implant diameter

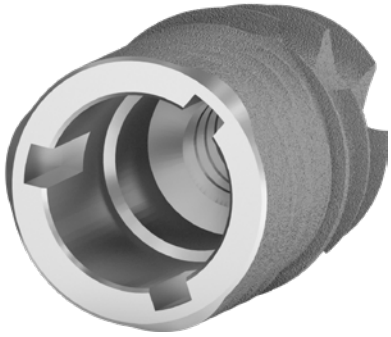


The narrow, ø3.3 CORTILOG SHORT implant is exceptionally suitable in the case of thin bone structures for keeping the toothworks on the long run.

In the case of low bone supply, the majority of the occuring cases can be covered with this type.

The raw material of it is homogeneous, high solidity alloyed titanium.





CORTILOG manual implant key driver

ø 3.3 mm
L 12 mm

ø 3.3 mm
L 6 mm

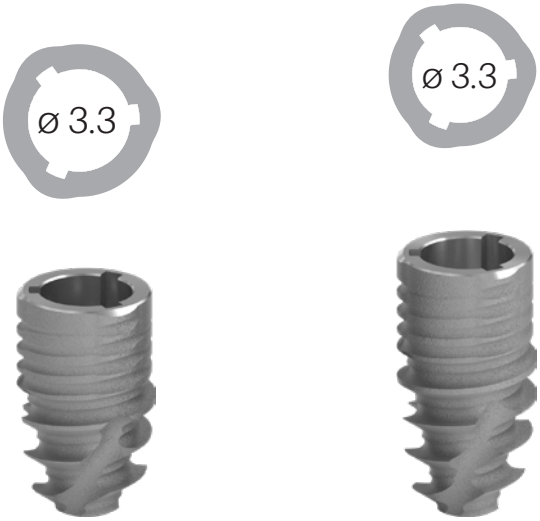
CORTILOG mechanical implanr key driver

ø 3.3 mm
L 12 mm

ø 3.3 mm
L 6 mm

Sizes available of the **CORTILOG SHORT** Ø3.3 implant

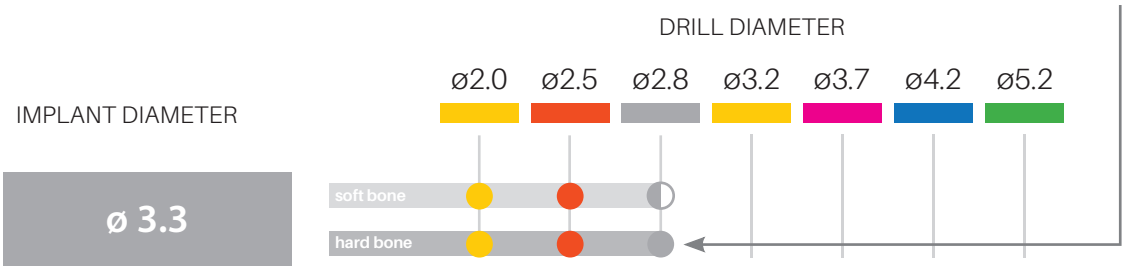
ø 3.3



The drilling protocol of the CORTILOG narrow implant

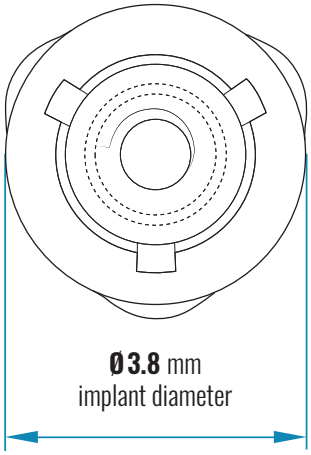
Drilling indicators:

- alternatively used
- ½ length drilling alternatively
- recommended drilling in ¾ or in full length



ø 3.3

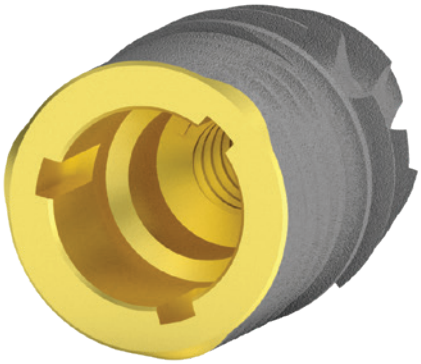
CORTILOG **SHORT** ø3.8 implant diameter



The normal, CORTILOG SHORT implant with ø3.8 mm implant diameter is exceptionally suitable in the case of thin bone supply for holding the toothworks on the long run.

In the case of low bone supply, the majority of the occuring cases can be covered with this type.

The raw material of it is homogeneous, high solidity alloyed titanium.



CORTILOG manual implant key driver

ø 3.8 mm
L 18 mm

ø 3.8 mm
L 12 mm

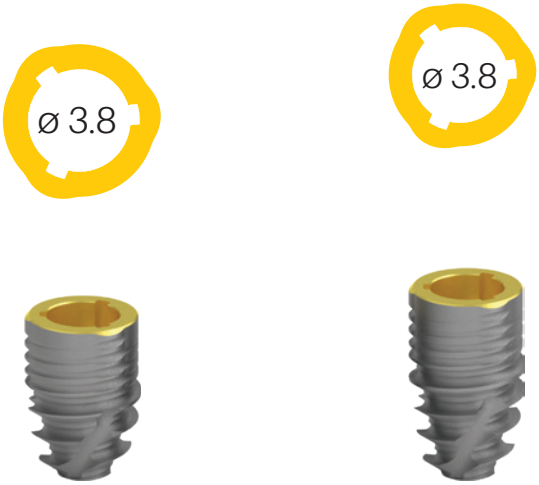
CORTILOG mechanical implanr key driver

ø 3.8 mm
L 18 mm

ø 3.8 mm
L 12 mm

Sizes available of the **CORTILOG SHORT** Ø3.8 implant

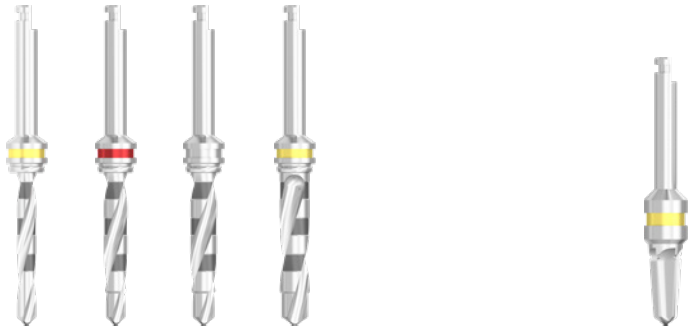
ø 3.8

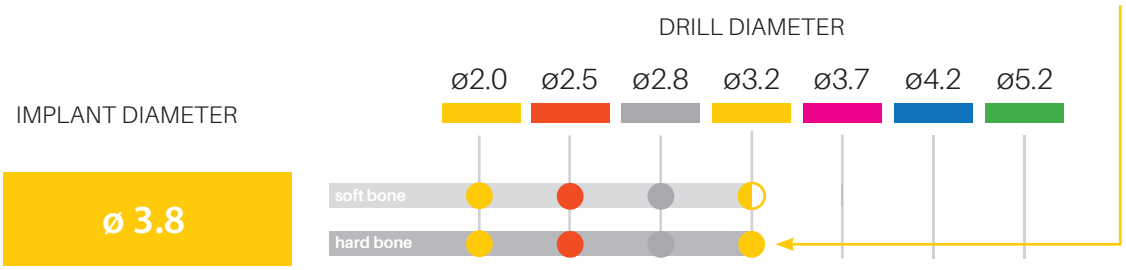


The drilling protocol of the CORTILOG normal implant

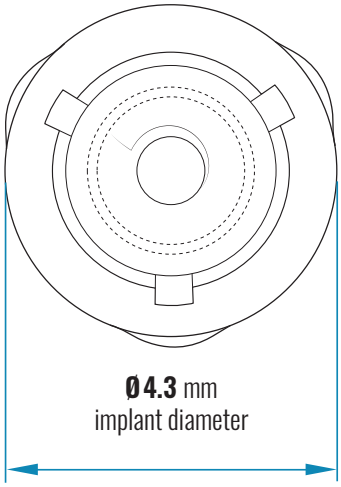
Drilling indicators:

- ◯ - alternatively used
- ◐ - ½ length drilling alternatively
- ● - recommended drilling in ¾ or in full length





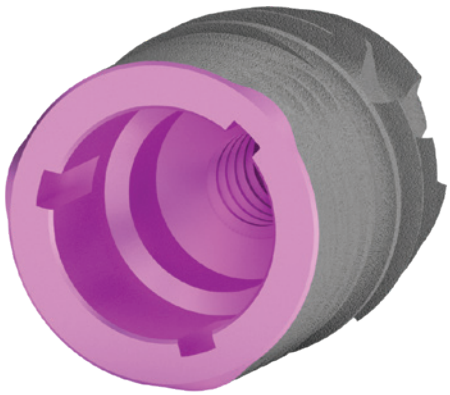
CORTILOG **SHORT** ø4.3 implant diameter



The normal, CORTILOG SHORT implant with ø4.3 mm implant diameter is exceptionally suitable in the case of normal chewing ability for holding the toothworks on the long run.

It is recommended in the case of low bone supply.

The raw material of it is homogeneous, high solidity alloyed titanium.



CORTILOG manual implant key driver

ø 4.3 mm
L 18 mm

ø 4.3 mm
L 12 mm

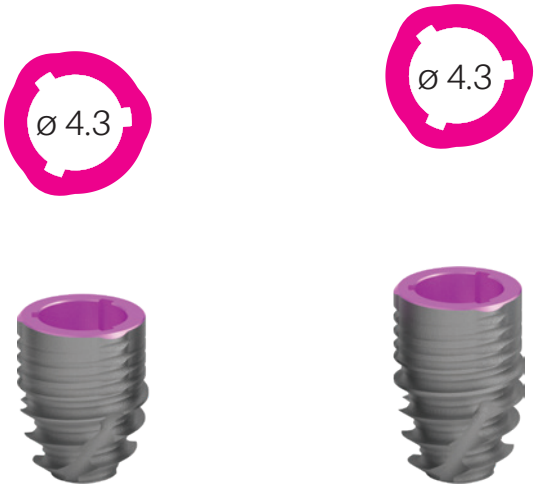
CORTILOG mechanical implanr key driver

ø 4.3 mm
L 18 mm

ø 4.3 mm
L 12 mm

Sizes available of the **CORTILOG SHORT** Ø4.3 implant

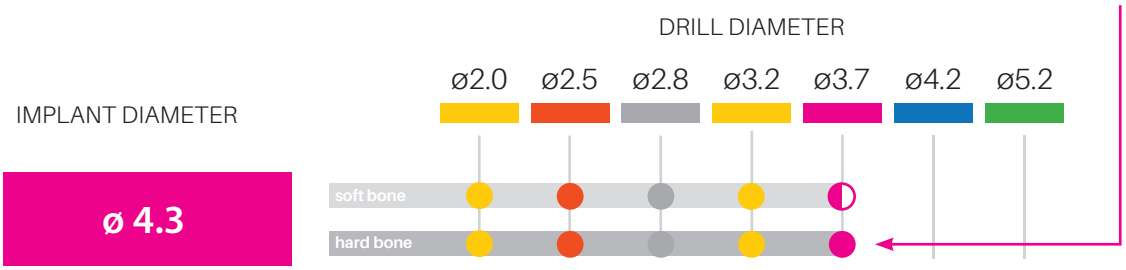
ø 4.3



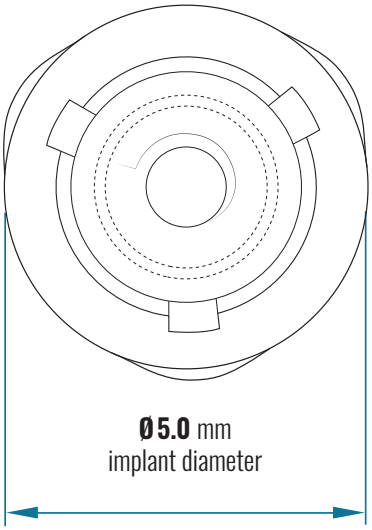
The drilling protocol of the CORTILOG normal implant

Drilling indicators:

- alternatively used
- ½ length drilling alternatively
- recommended drilling in ¾ or in full length



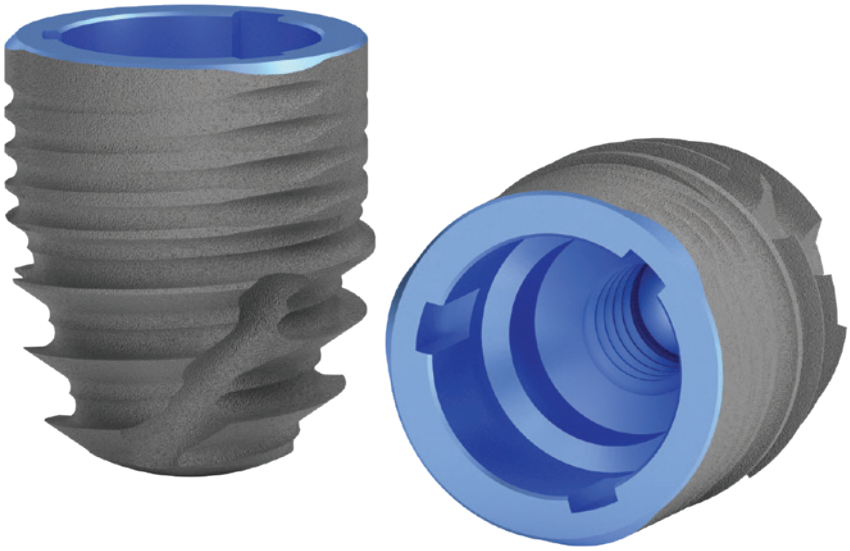
CORTILOG **SHORT** ø5.0 implant diameter



The thick, CORTILOG SHORT implant with ø5.0 mm implant diameter is exceptionally suitable in the case of normal chewing ability for holding the toothworks on the long run.

It is recommended in the case of low bone supply.

The raw material of it is homogeneous, high solidity alloyed titanium.



CORTILOG manual implant key driver

ø 5.0 mm
L 18 mm

ø 5.0 mm
L 12 mm

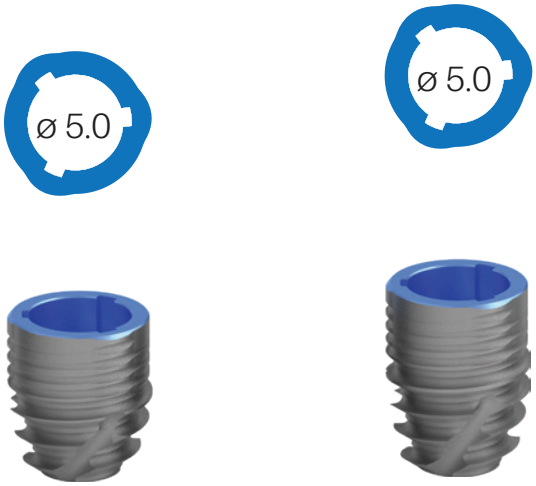
CORTILOG mechanical implanr key driver

ø 5.0 mm
L 18 mm

ø 5.0 mm
L 12 mm

Sizes available of the **CORTILOG SHORT** Ø5.0 implant

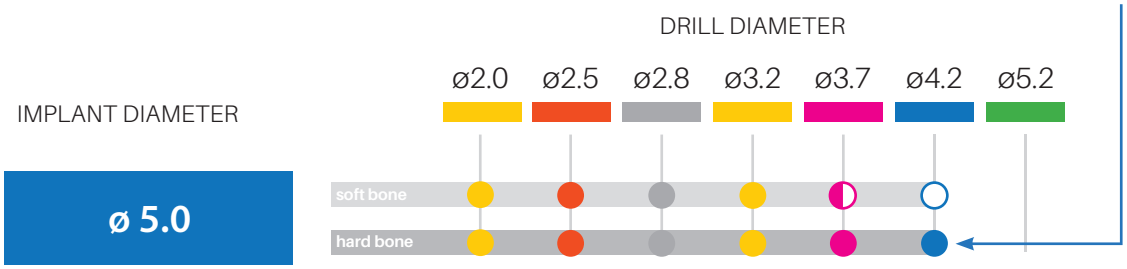
ø 5.0



The drilling protocol of the CORTILOG thick implant

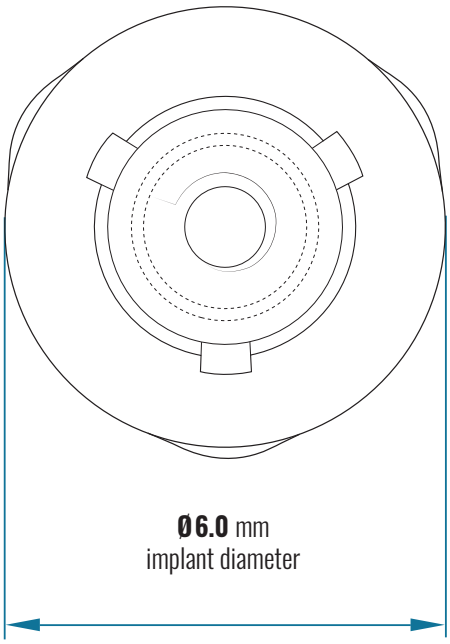
Drilling indicators:

- ○ - alternatively used
- ◐ - ½ length drilling alternatively
- ● - recommended drilling in ¾ or in full length



ø 5.0

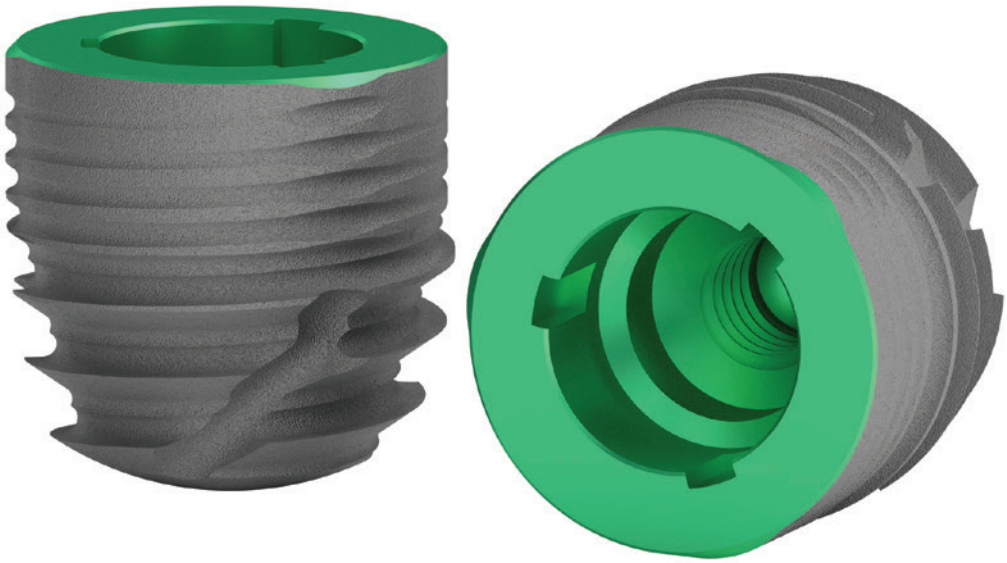
CORTILOG **SHORT** ø6.0 implant diameter



The CORTILOG SHORT implant with ø6.0 mm implant diameter is exceptionally suitable in the case of normal chewing ability for holding the toothworks on the long run.

It is recommended in the case of low bone supply.

The raw material of it is homogeneous, high solidity alloyed titanium.



CORTILOG manual implant key driver

ø 6.0 mm
L 18 mm

ø 6.0 mm
L 12 mm

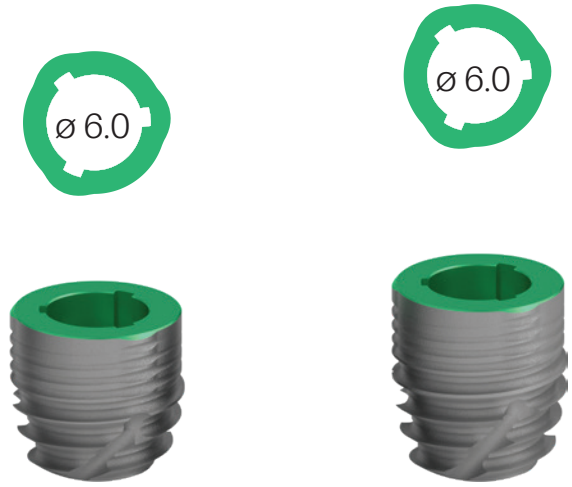
CORTILOG mechanical implanr key driver

ø 6.0 mm
L 18 mm

ø 6.0 mm
L 12 mm

Sizes available of the **CORTILOG SHORT** Ø6.0 implant

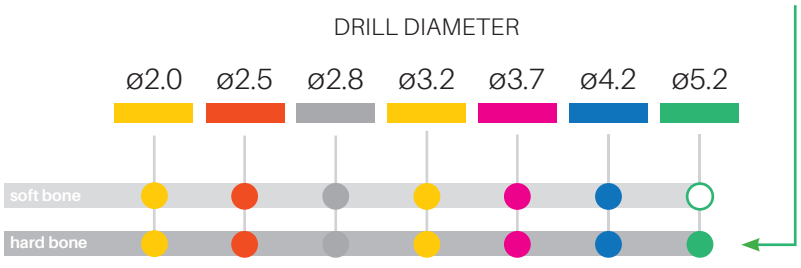
ø 6.0



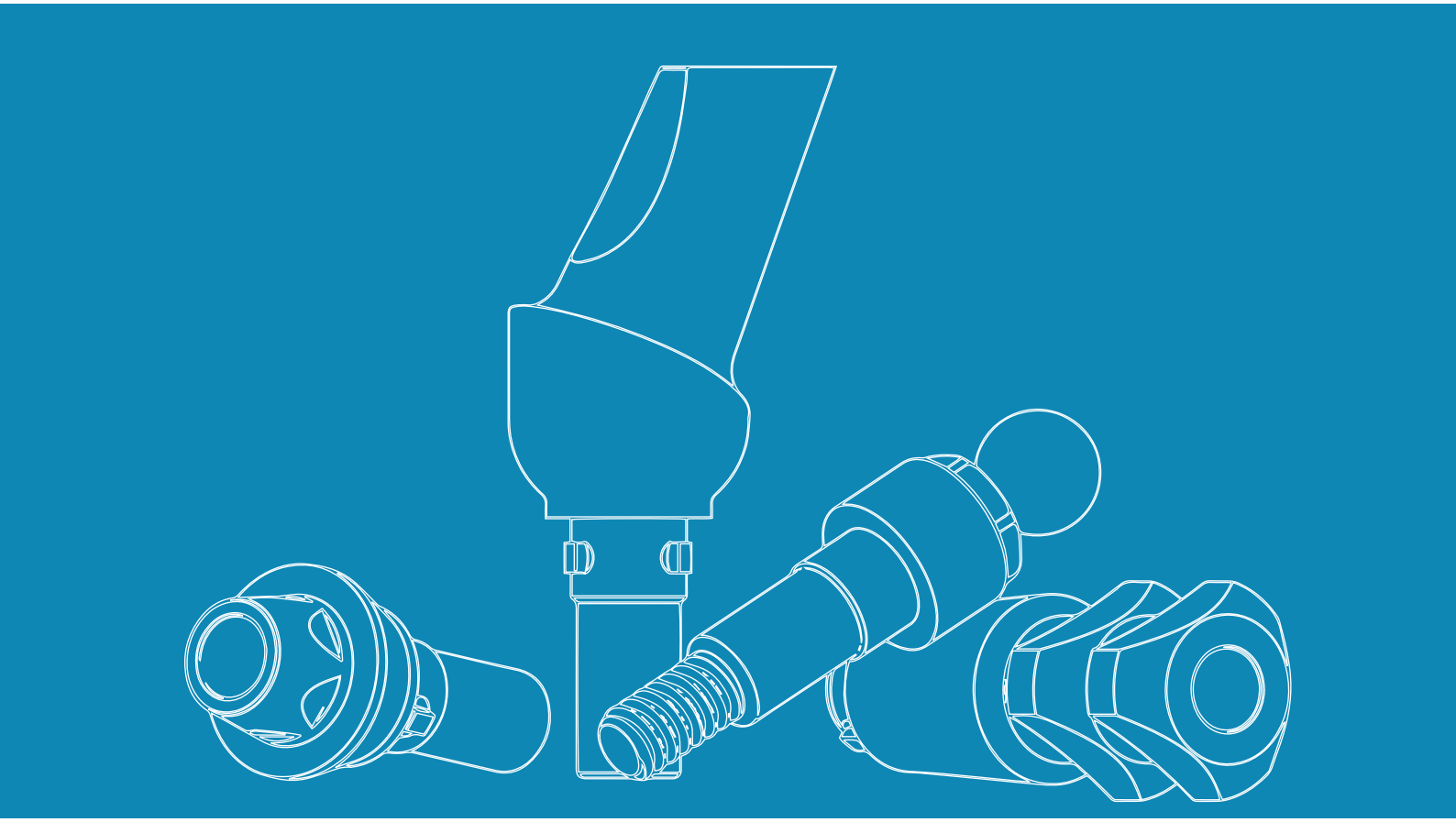
The drilling protocol of the CORTILOG thick implant

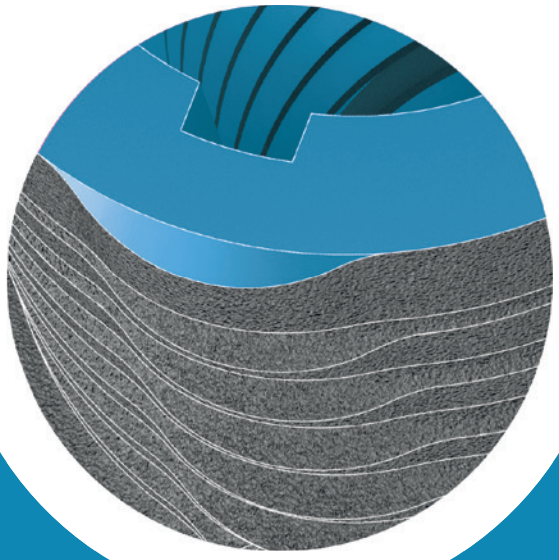
Drilling indicators:

- alternatively used
- ½ length drilling alternatively
- recommended drilling in ¾ or in full length



ø 6.0





CORTILOG
ABUTMENT SYSTEM

CORTILOG abutment system

1. Implants

PROSTHETIC ELEMENTS

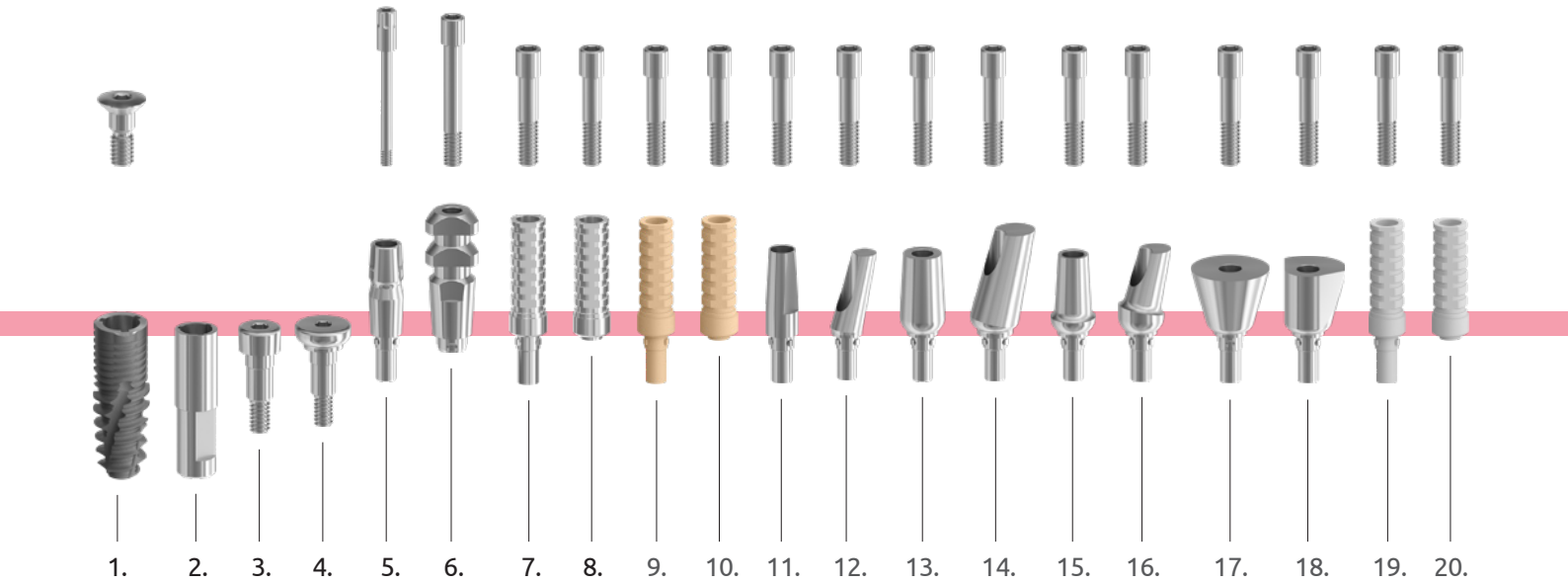
2. Technical implant
3. Healing cap, narrow
4. Healing cap, anatomical
5. Sampling head for closed spoon
6. Sampling head for open spoon
7. Temporary head, through-bolted, positioned
8. Temporary head, through-bolted, non-positioned
9. Temporary head, through-bolted, positioned, PEEK
10. Temporary head, through-bolted, non-positioned, PEEK

FOR GLUABLE TOOTHWORK

11. Narrow head, straight
12. Narrow head oblique
13. Universal head, straight
14. Universal head, oblique
15. Anatomical head, straight
16. Anatomical head, oblique
17. Trapezoidal head
18. Delta head

IMPLANT-LEVEL CASTING HEADS

19. Castable plastic head, positioned
20. Castable plastic head, non-positioned



21. Cobalt chromium-based casting head, positioned
22. Cobalt chromium-based casting head, non-positioned
23. Ball-joint head, positioned
24. Ball-joint head, non-positioned
25. Interface, positioned
26. Interface, non-positioned

FOR REMOVABLE TOOTHWORK

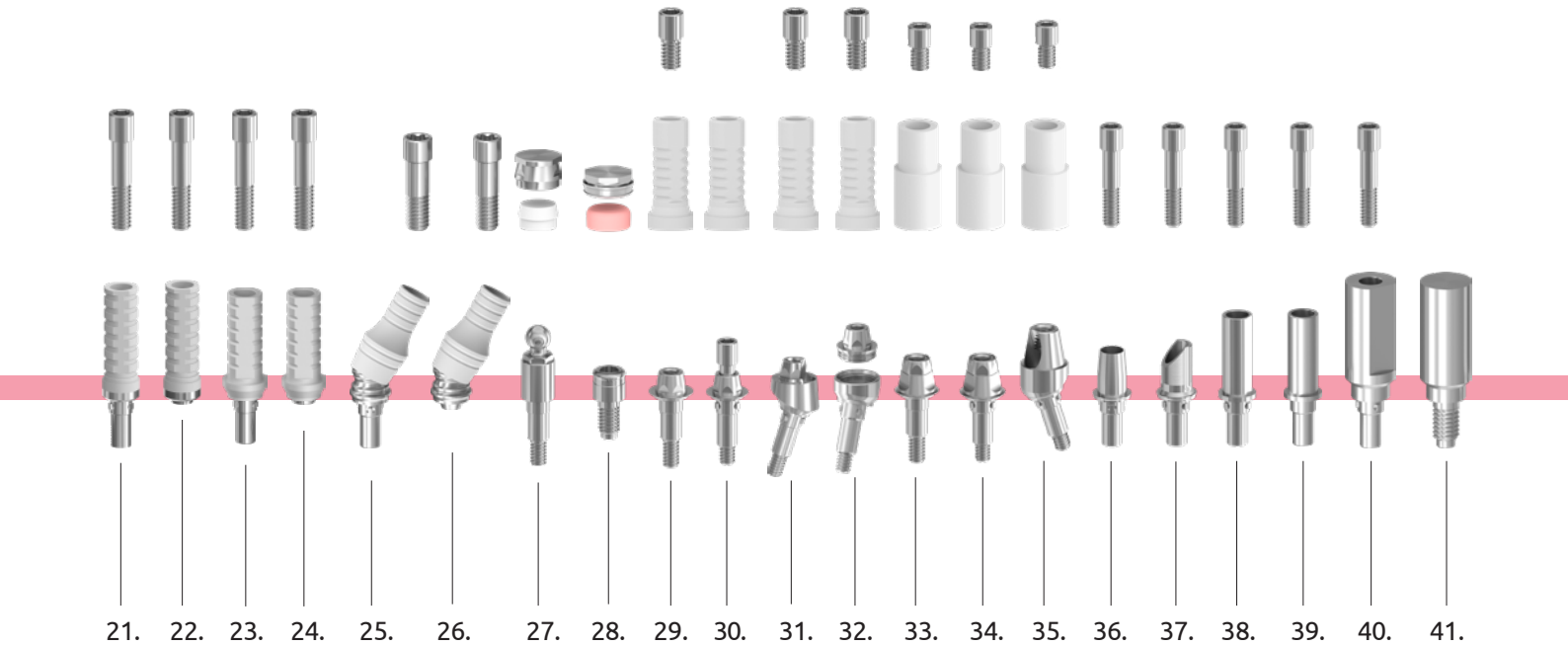
27. Ball-head
28. Locator head, straight

FOR SCREWED TOOTHWORK

29. Multi-unit head, straight
30. Multi-unit head, through-bolted
31. Multi-unit head, oblique
32. MC head, oblique
33. Multi-unit SR head, screwable
34. Multi-unit SR head, through-bolted
35. Multi-unit SR head, oblique

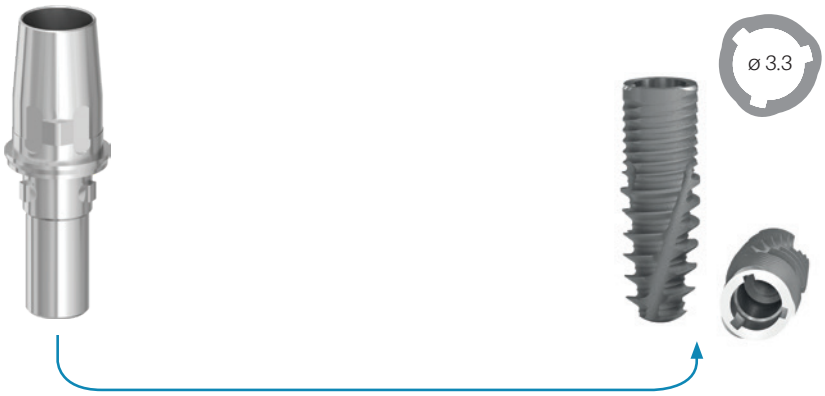
ELEMENTS OF CAD-CAM SYSTEM

36. Titanium base
37. Press ceramic base
38. Tube-head, positioned
39. Tube-head, non-positioned
40. Scanbody head, through-bolted
41. Scanbody head, screwable

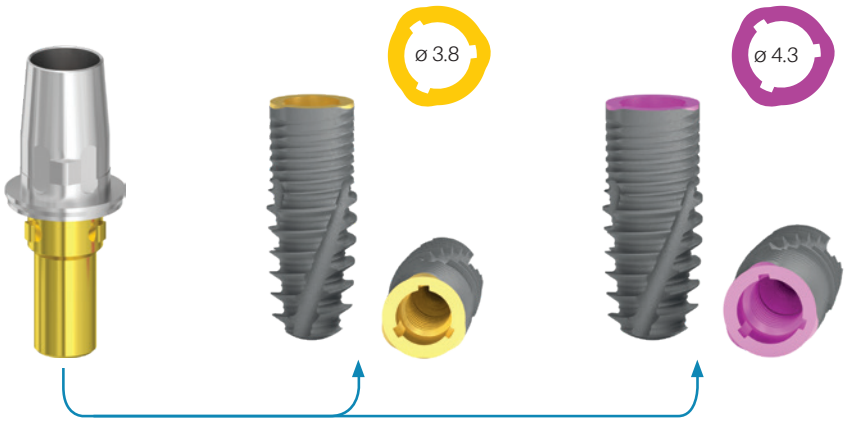


CORTILOG Relation between diameters and abutments

The **CORTILOG** ø3,3mm diameter with its abutment. Colour code of them: GREY



The **CORTILOG** ø3,8 and ø4,3 mm implants and their abutments. (The abutment system of the above diameters is the same.) Colour code of them: **YELLOW**

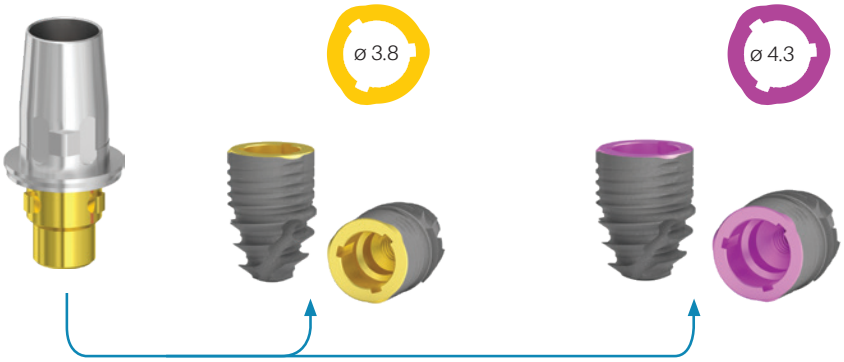


The **CORTILOG** ø5,0 and ø6,0mm implant and its abutment. (The abutment system of the above diameters is the same.) Colour code of them: **BLUE**

CORTILOG SHORT Relation between diameters and abutments

A **CORTILOG SHORT** ø3,3mm diameter with its abutment. Colour code of them: GREY

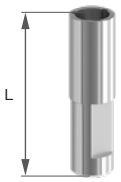
A **CORTILOG SHORT** ø3,8 and ø4,3 mm implants and their abutment. (The abutment system of the above diameters is the same.) Colour code of them: **YELLOW**



A **CORTILOG SHORT** ø5,0 and ø6,0mm implant and its abutment. (The abutment system of the above diameters is the same.) Colour code of them: **BLUE**

The sizes available of **CORTILOG** abutments

TECHNICAL IMPLANT



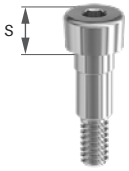
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

height (L mm)

12 mm

HEALING CAP, NARROW



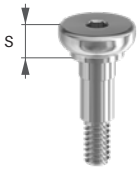
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

2 mm 4 mm 6 mm

HEALING CAP, ANATOMICAL



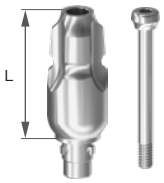
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

2 mm 4 mm 6 mm

SAMPLING HEAD FOR CLOSED SPOON



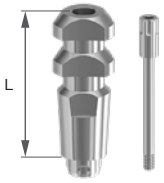
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

11 mm

SAMPLING HEAD FOR OPEN SPOON



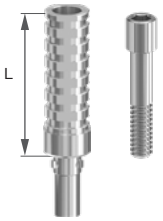
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

11 mm

TEMPORARY HEAD, THROUGH-BOLTED, POSITIONED



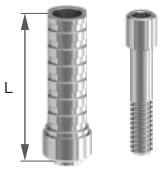
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

TEMPORARY HEAD, THROUGH-BOLTED, NON-POSITIONED



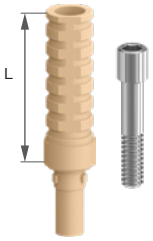
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

TEMPORARY HEAD, THROUGH-BOLTED, POSITIONED, PEEK



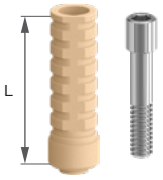
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

TEMPORARY HEAD, THROUGH-BOLTED, NON-POSITIONED, PEEK



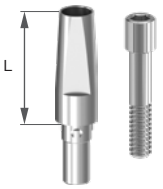
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

NARROW HEAD, STRAIGHT



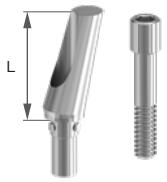
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

9 mm

NARROW HEAD, OBLIQUE 15°; 25°



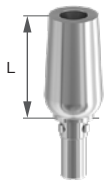
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

9 mm

UNIVERSAL HEAD, STRAIGHT



implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

11 mm

UNIVERSAL HEAD, OBLIQUE 15°; 25°; 35°; 45°

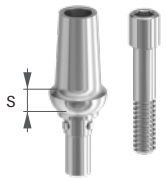
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

11 mm

ANATOMICAL HEAD, STRAIGHT



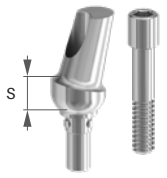
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

2 mm 4 mm 6 mm

ANATOMICAL HEAD, OBLIQUE 15°; 25°



implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

2 mm 4 mm 6 mm

TRAPEZOIDAL HEAD 15°; 25°, 35°, 45°

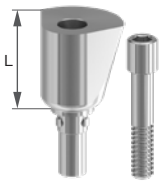
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

9 mm 11 mm 13 mm

DELTA HEAD 15°; 25°, 35°, 45°



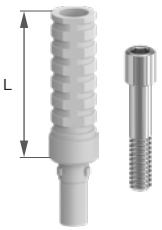
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

9 mm 11 mm 13 mm

CASTABLE PLASTIC HEAD, POSITIONED



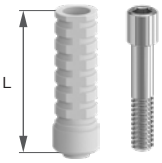
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

CASTABLE PLASTIC HEAD, NON-POSITIONED



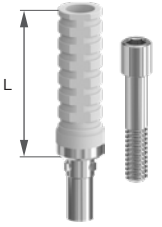
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

Co-Cr BASED CASTING HEAD, POSITIONED



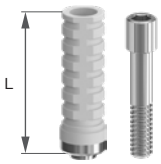
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

Co-Cr BASED CASTING HEAD, NON-POSITIONED



implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

INTERFACE, POSITIONED

implant diameter (mm)

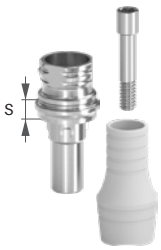
ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

INTERFACE, NON-POSITIONED

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

BALL-JOINT HEAD, POSITIONED



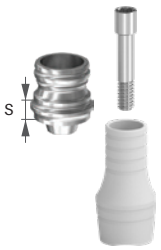
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

1 mm 3 mm

BALL-JOINT HEAD,NON-POSITIONED



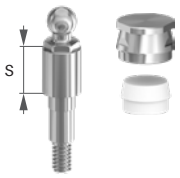
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

1 mm 3 mm

BALL-HEAD



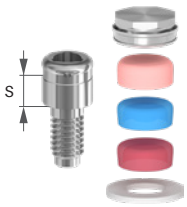
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

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

LOCATOR HEAD, STRAIGHT



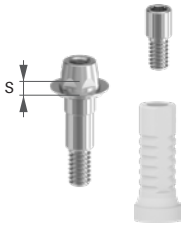
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

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

MULTI-UNIT HEAD, STRAIGHT



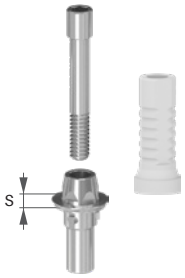
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

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

MULTI-UNIT HEAD, THROUGH-BOLTED



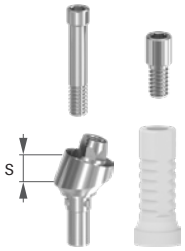
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

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

MULTI-UNIT HEAD OBLIQUE, 20°, 30°



implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

1 mm 2 mm 3 mm 4 mm
5 mm 6 mm 7 mm

MC HEAD OBLIQUE, 20°; 30°

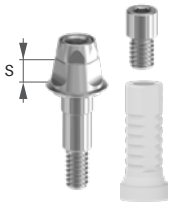
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

1 mm 2 mm 3 mm 4 mm
5 mm 6 mm 7 mm

MULTI-UNIT SR HEAD, SCREWABLE



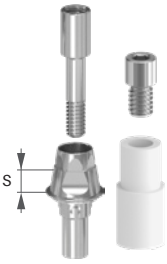
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

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

MULTI-UNIT SR HEAD, THROUGH-BOLTED



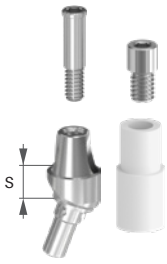
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

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

MULTI-UNIT SR HEAD, OBLIQUE 20°; 30°



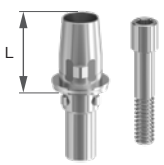
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sulcus height

1 mm 2 mm 3 mm 4 mm
5 mm 6 mm 7 mm

TITANIUM BASE



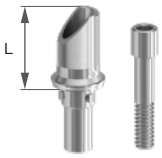
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

5 mm

PRESS CERAMIC BASE



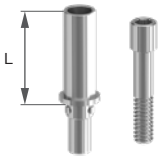
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

5 mm

TUBE HEAD, POSITIONED



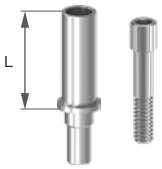
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

9 mm

TUBE HEAD, NON-POSITIONED



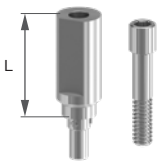
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

9 mm

SCANBODY HEAD, THROUGH-BOLTED



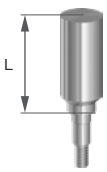
implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

SCANBODY HEAD, SCREWABLE



implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

head height

12 mm

Accessories of **CORTILOG** abutments

HEAD SCREW, SURGICAL

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

MULTI-UNIT HEAD SCREW

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

It is the same in every diameter.

SAMPLING HEAD SCREW, FOR CLOSED SPOON

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

MULTI-UNIT THROUGH-BOLT

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

SAMPLING HEAD SCREW, FOR OPEN SPOON

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

SR-HEAD SCREW

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

It is the same in every diameter.

PCT HEAD SCREW, FOR BALL-JOINT HEAD

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

SR-THROUGH-BOLT

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

Accessories of **CORTILOG** abutments

BALL HEAD CAP, NORMAL

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sphere diameter 2,5 mm

It is the same in every diameter.

BALL HEAD CAP, MICRO

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

sphere diameter 1,8 mm

It is the same in every diameter.

LOCATOR HEAD CAP SET

pink cap:
10-20 ° deviations , 3lbs retention

blue cap:
10-20° deviations, 1,5lbs retention

red cap:
20-40° deviations , 1lbs retention

It is the same in every diameter.

CASTABLE PLASTIC HEAD FOR BALL-JOINT HEAD

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

CASTABLE PLASTIC HEAD FOR MULTI-UNIT HEAD

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

It is the same in every diameter.

CASTABLE HEAD FOR MULTI-UNIT HEAD, Co-Cr , METAL BASED

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

It is the same in every diameter.

CASTABLE PLASTIC HEAD FOR SR HEAD

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

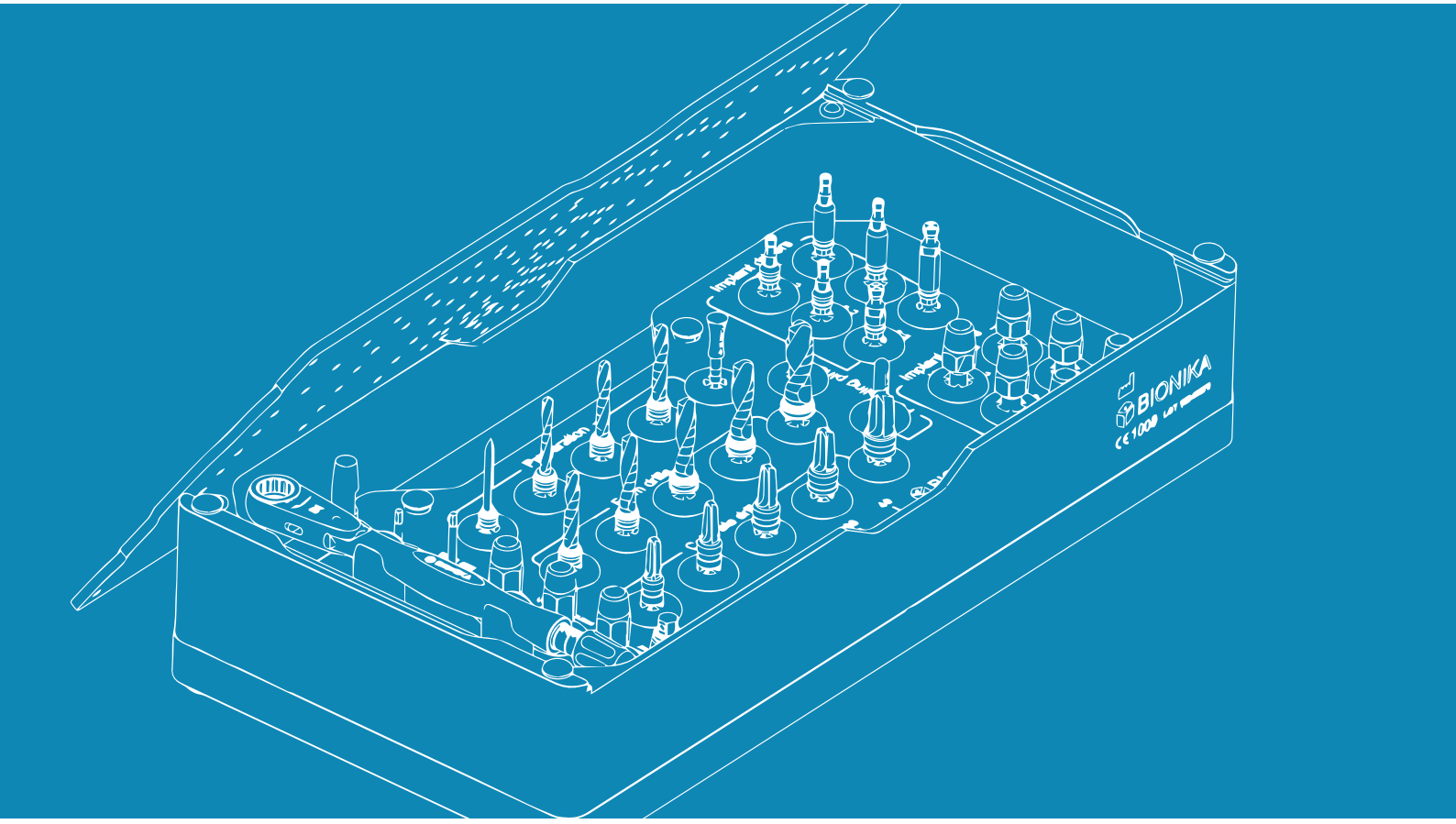
It is the same in every diameter.

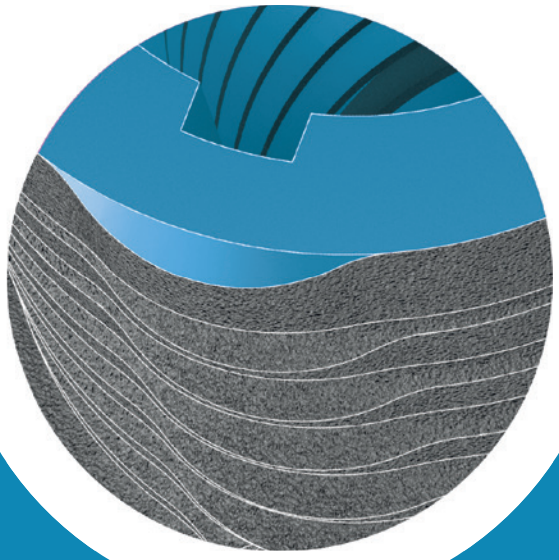
CASTABLE HEAD FOR SR HEAD, Co-Cr , METAL BASED

implant diameter (mm)

ø 3.3 ø 3.8 ø 4.3 ø 5.0 ø 6.0

It is the same in every diameter.


BIONIKA

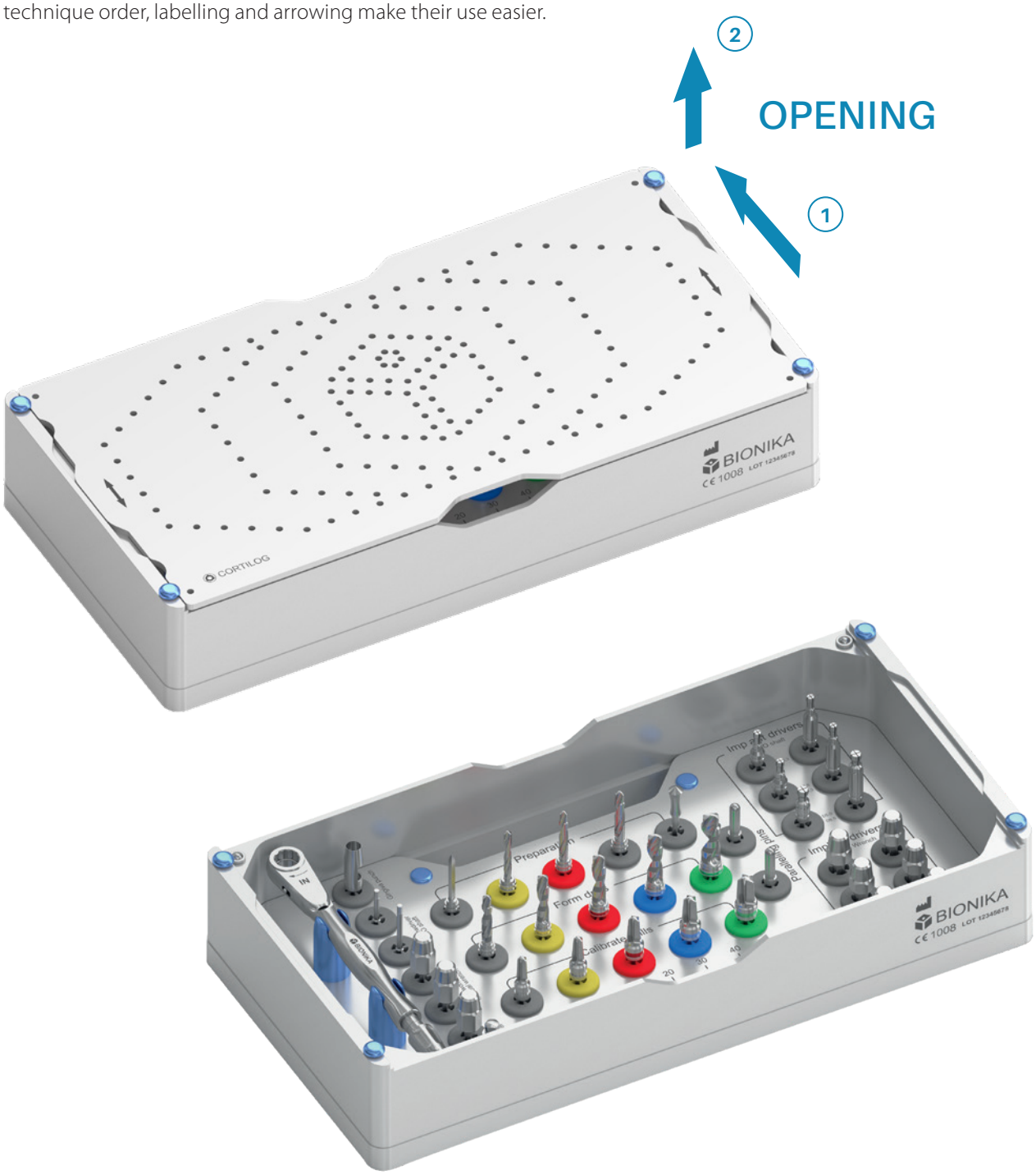


CORTILOG
INSTRUMENT KITS

CORTILOG Instrument kit

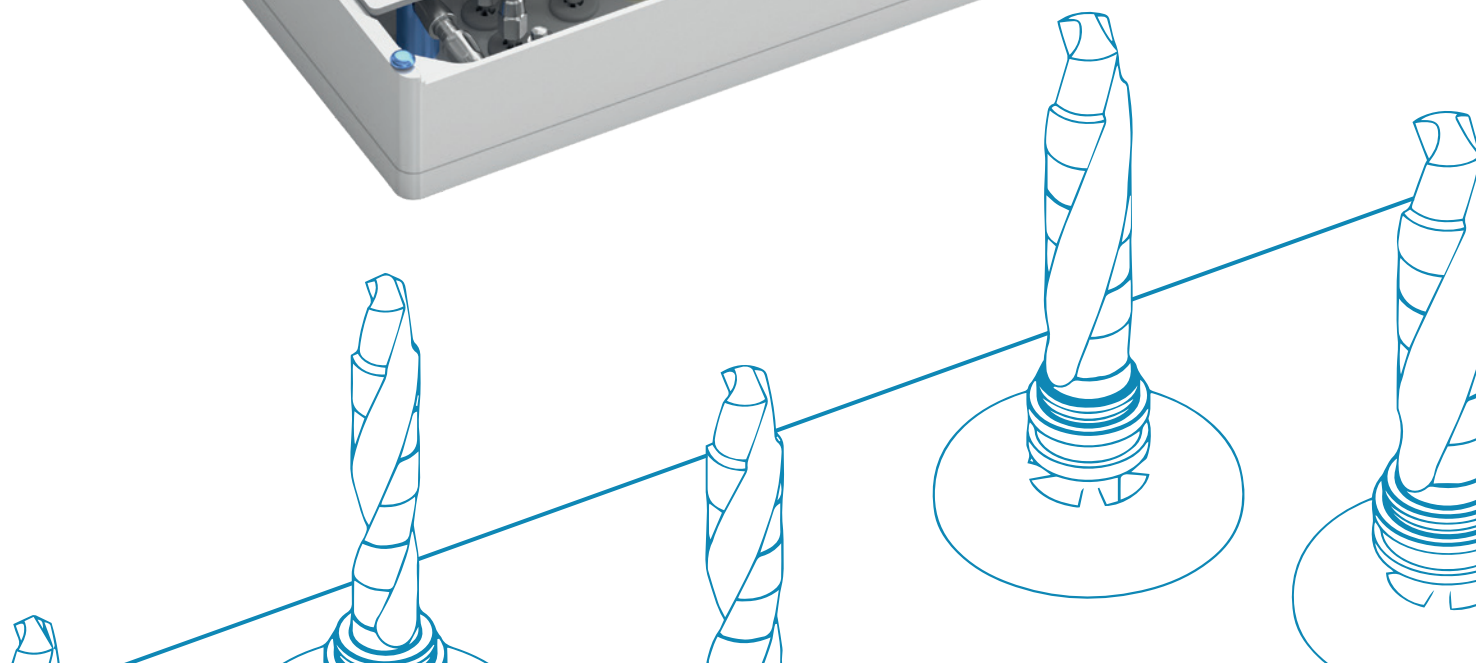
Our instrument kits consist of the inevitable instruments for dental implantation. The CortiLog Large Instrument Kit includes 14 instruments, in a wide range of sizes in order to get versatile utilization. The instrument kit consists of 37 instruments all together.

The instrument trays are built up according to the surgical technique order, labelling and arrowing make their use easier.

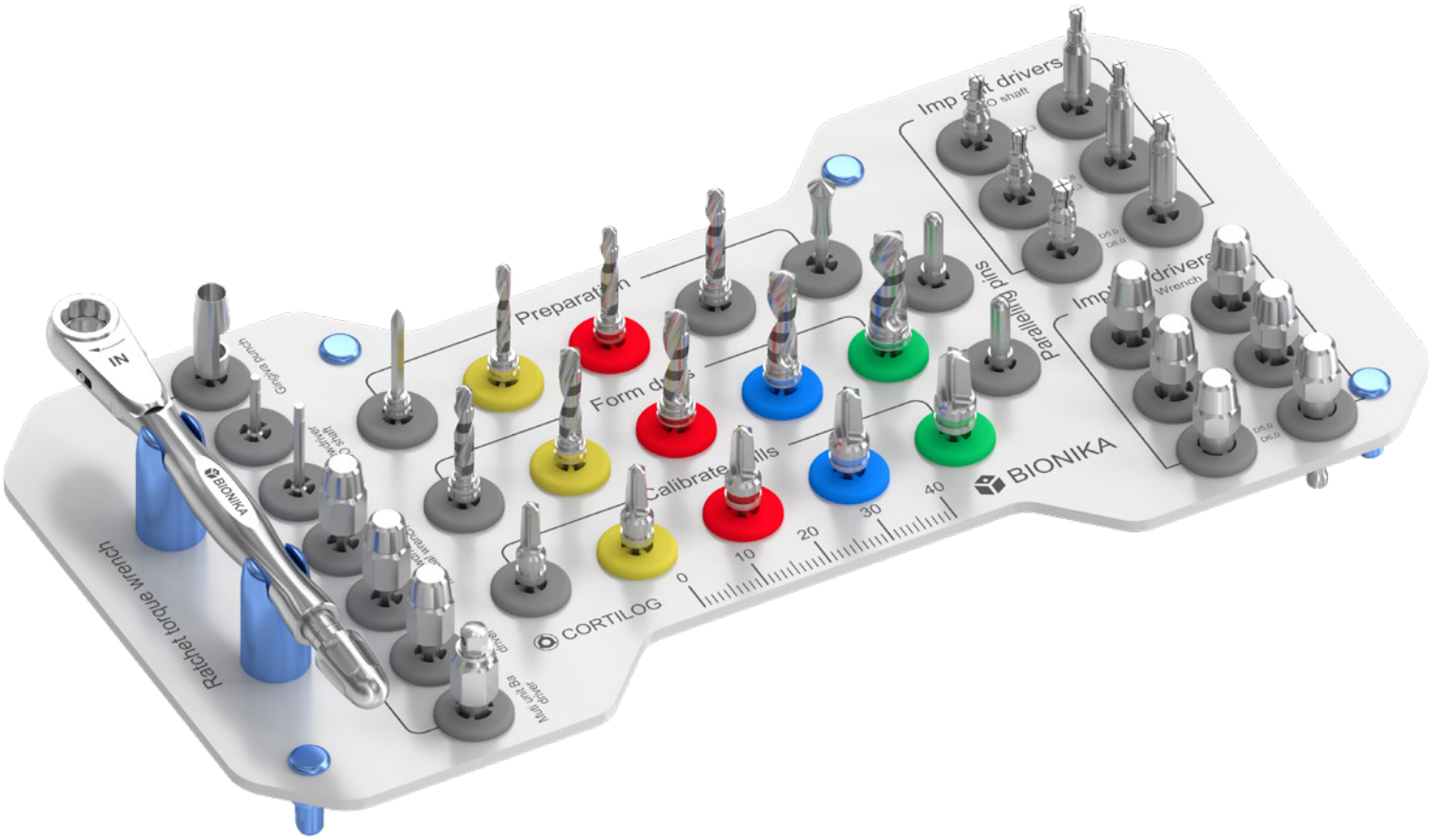


CORTILOG Instrument kit

The plate is also suitable for sterilizing the instruments. The sterilizing can be done separately, as the plate can be uplifted from the box, or together with the box.



CORTILOG Instrument kit



The layout of the CORTILOG instrument kit

The content of the **CORTILOG** instrument kit

1 Spear-pointed drill ▼

2 Pre-drills ▼

3 Depth gauge ▼

4 Core drills ▼

5 Thread groove calibrating drills ▼

6 Indicators ▼

7 Implant driver, mechanical ▼
D3,3xL6

8 Implant driver, mechanical ▼
D3,3xL12

9 Implant driver, mechanical ▼
D3,8-D4,3xL6

10 Implant driver, mechanical ▼
D3,8-D4,3xL12

11 Implant driver, mechanical ▼
D5,0-D6,0xL6

12 Implant driver, mechanical ▼
D5,0-D6,0xL12

13 Implant driver, manual ▼
D3,3xL6

14 Implant driver, manual ▼
D3,3xL12

15 Implant driver, manual ▼
D3,8-D4,3xL6

16 Implant driver, manual ▼
D3,8-D4,3xL12

17 Implant driver, manual ▼
D5,0-D6,0xL6

18 Implant driver, manual ▼
D5,0-D6,0xL12

19 Gingiva punch ∅4,0xL15 ▼

20 Head wrench, mechanical ▼
6Lt1,27xL10

21 Head wrench, mechanical ▼
6Lt1,27xL15

22 Head wrench, manual ▼
6Lt1,27xL10

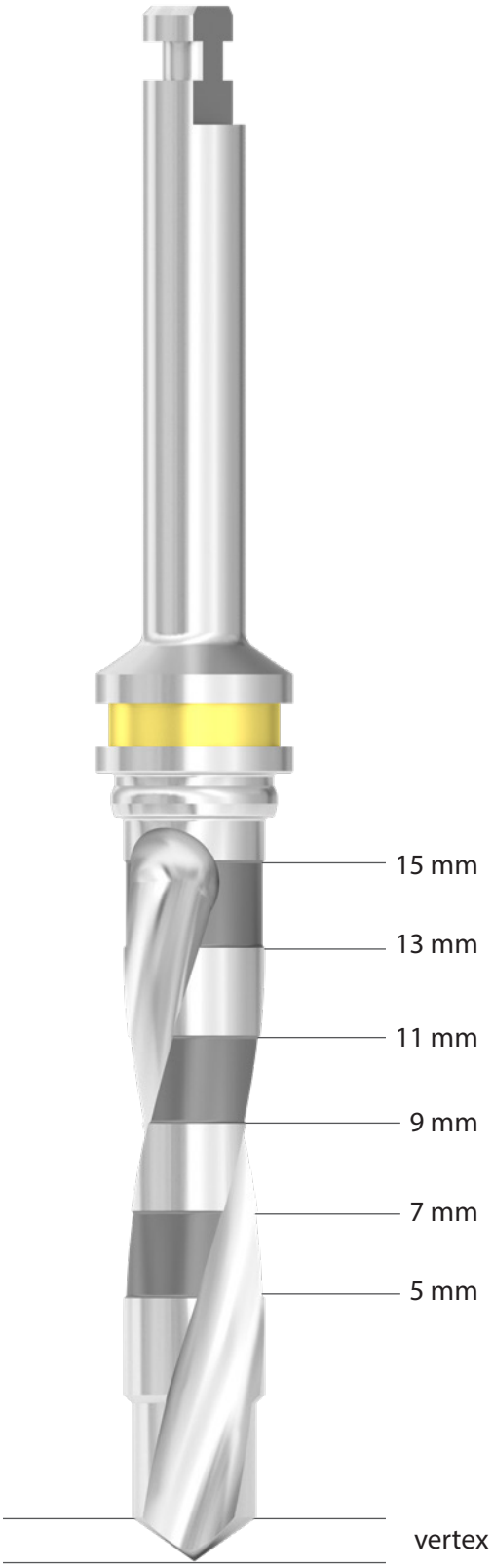
23 Head wrench, manual ▼
6Lt1,27xL15

24 Locator key ▼

25 Multi-unit/Ball head key ▼
6Lt2,7

26 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.

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

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.

The sizes available of the surgical drills

SPEAR-POINTED DRILL

BALL-END MILL

PRE-DRILL ∅2,0 mm

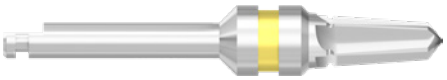
PRE-DRILL ∅2,5 mm

CORE DRILL ∅2,8 mm

THREAD GROOVE CALIBRATING DRILL ∅3,2 mm

CORE DRILL ∅3,2 mm

THREAD GROOVE CALIBRATING DRILL ∅3,7 mm



CORE DRILL ∅3,7 mm

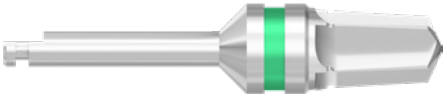
THREAD GROOVE CALIBRATING DRILL ∅4,3 mm

CORE DRILL ∅4,2 mm

THREAD GROOVE CALIBRATING DRILL ∅5,0 mm

CORE DRILL ∅5,2 mm

THREAD GROOVE CALIBRATING DRILL ∅6,0 mm

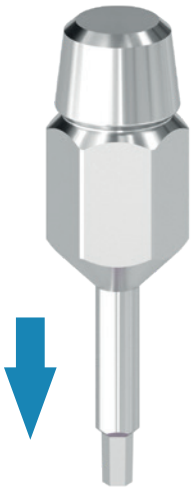


Ratchet torque wrench

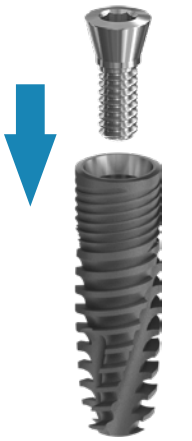
The ratchet torque wrench is used to tighten and insert screws and implants. Using pre-set torque, this prevents the implant from fracturing and ensures the optimum power transfer when inserting the implant. The scale of the torque rates from 15 to 35 Ncm. The desired torques can be adjusted from 15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

When the ratchet torque wrench adjuster screw 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.



2.



3.

4.

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
- STABLE TORQUE SCALE DURING USE
- PROFESSIONAL QUALITY

The desired torques can be adjusted from 15 Ncm to the right.

The applications of ratchet torque wrench

Heads and Screws		Key Interline	Torque
Locking screw			**Manual key driver** 10-15 Ncm
Healing cap			
Sampling head screw for closed and open spoon			
Sampling head for closed and open spoon			
Head screw			**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
Universal head, straight			
Universal head, oblique			
Anatomical head, straight			
Anatomical head, oblique			
Titanium base			
Multi-unit head, through-bolted			
Multi-unit head screw, SR-head screw			
Multi-unit head, screwable			
SR-head, screwable			
Ball-head			
Locator head			

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