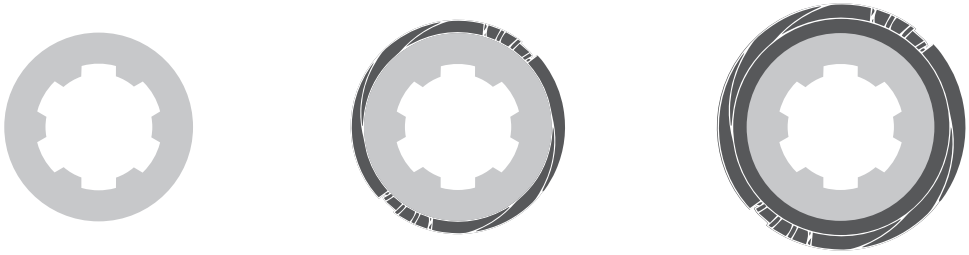
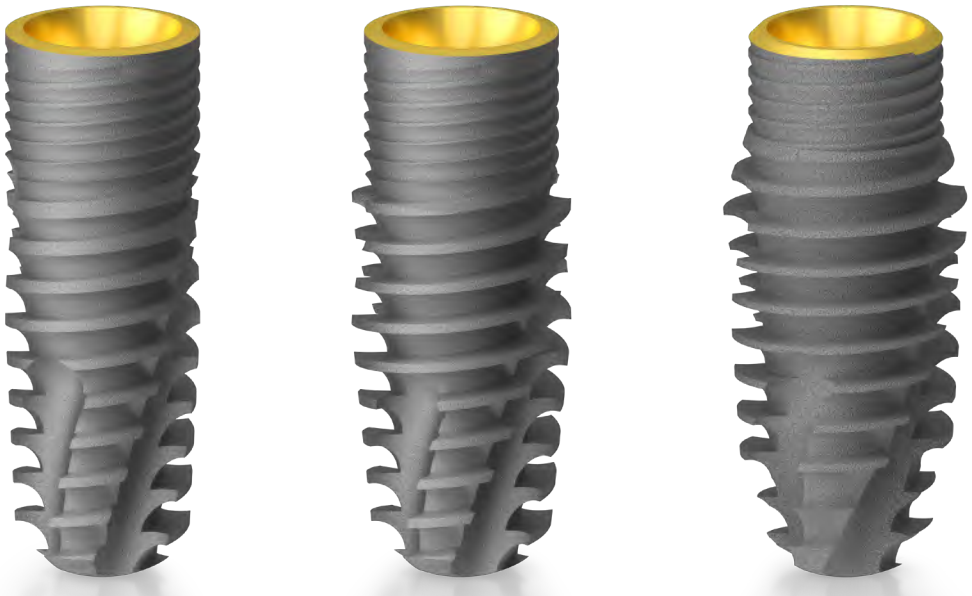
SCANDREA
IMPLANT SYSTEM





SCANDREA | SCANDREA + | SCANDREA ++

BIONIKA

K-MD07-013-v02-240524-EN

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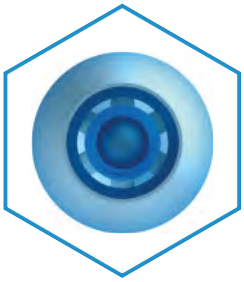
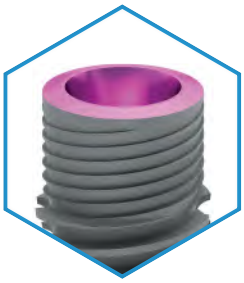




About the company

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.

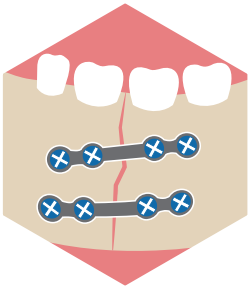
Clinical and technological experiences: We continuously process, integrate and exploit accumulated clinical and technological experience in our development activities.

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.

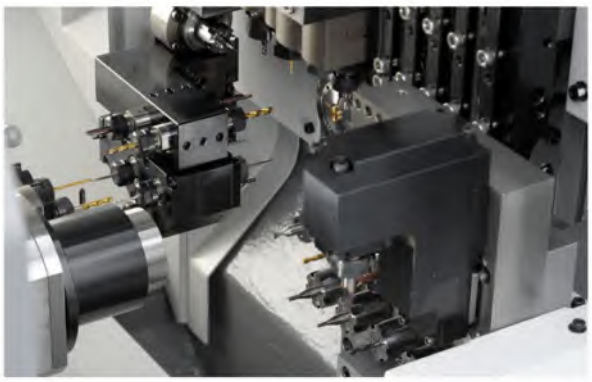
This area requires high precision production (in some cases it is necessary to hold 2-5µm tolerances). We carry out all the technological operations from production, through surface design, to packaging. Our products are CE marked and the manufacturing process is carried out under a strict quality management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

AAA®
Highest creditworthiness

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.

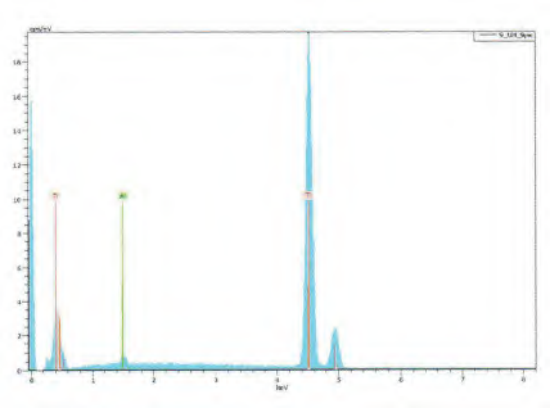
Only 0.63 % of companies in Hungary have an AAA (triple A) rating, with whom the financial risk of establishing a business relationship is extremely low - source: dnb.hu

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- 4 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 spectometric elemental analysis of Bionika implants**

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.

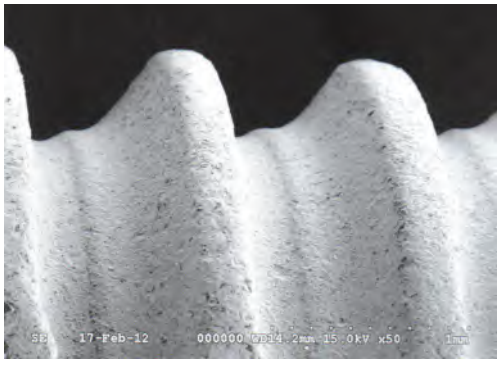


*Image of Bionika implant under electron microscope **

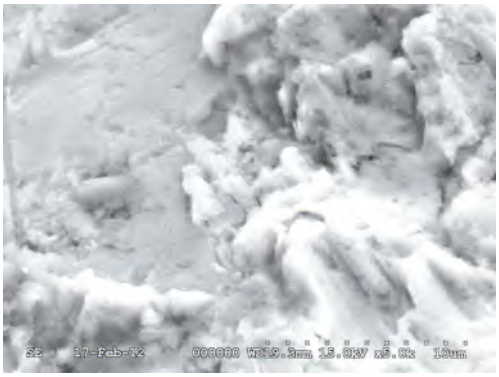


*Image of Bionika implant under electron microscope **

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

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

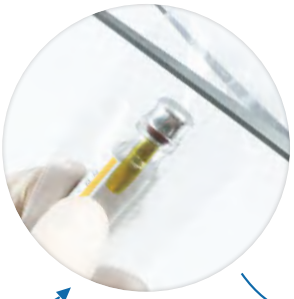
POM (polyoxymethylene) : Thermoplastic synthetic plastic, Excellent properties eg: high hardness, low wear, good flexibility, little absorbing ability. Density: 1.41 g / cm3. elongation at break: min. 30% Current Voltage: min. 65 Mpa. Its color is white.

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.

SCANDREA packaging

10 piece collection box

vial in sterile foil



removing the foil

sterile vial

removing the vial cap (1)

removing the vial cap (2)

the implant and the multifunctional abutment are found in the vial cap

using the implant driver

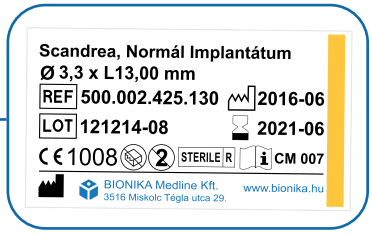
BULK BOX

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

SCANDREA packaging

VIAL

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

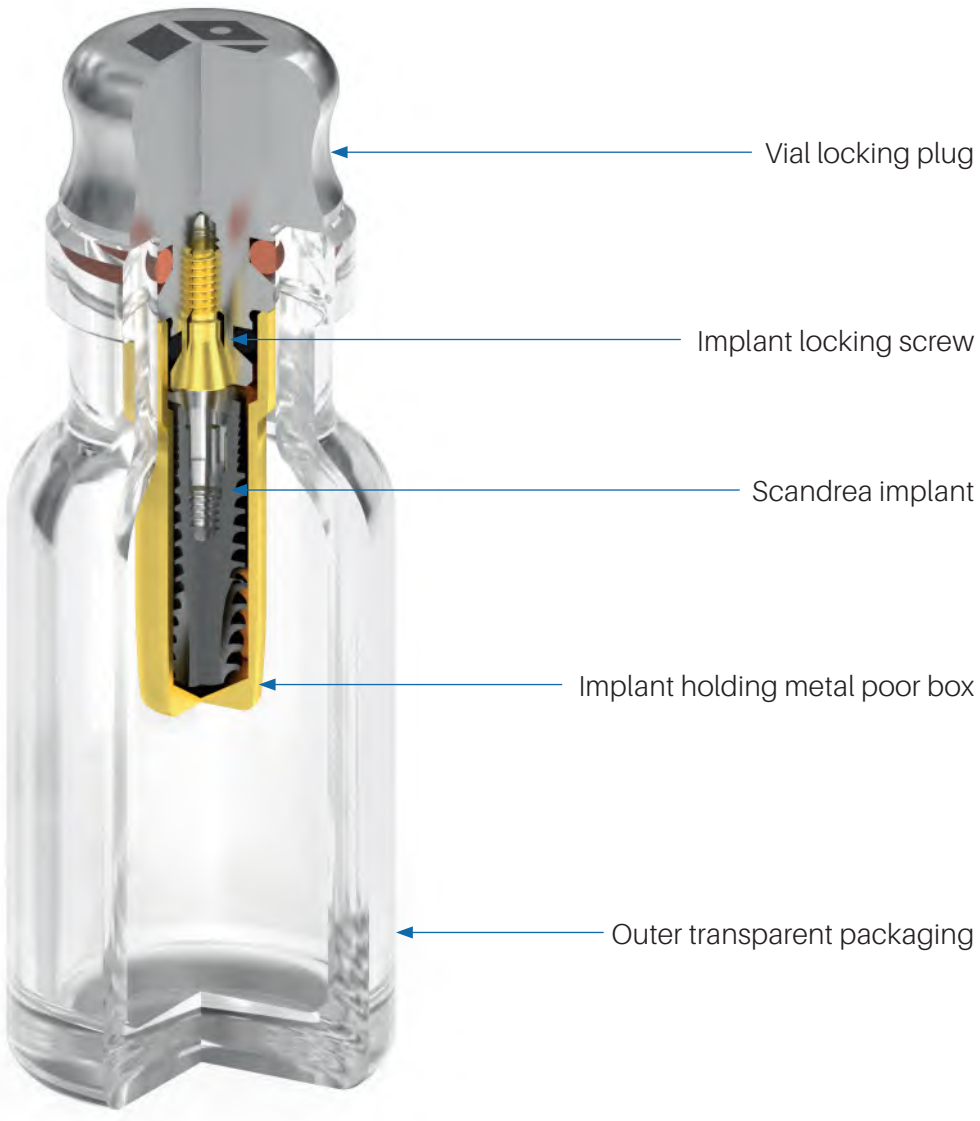


PAPER BOX

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 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.

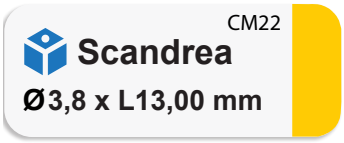


SCANDREA product labels and their notation

Differential platform diameters by colour and diameter (mm):

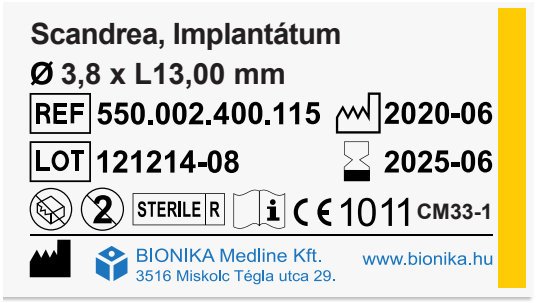
Ø 2,8 - turquoise Ø 3,0 - grey Ø 3,8 - yellow Ø 4,3 - purple Ø 5,0 - blue Ø 6,0 - green

The side of the box:



Top of the box:

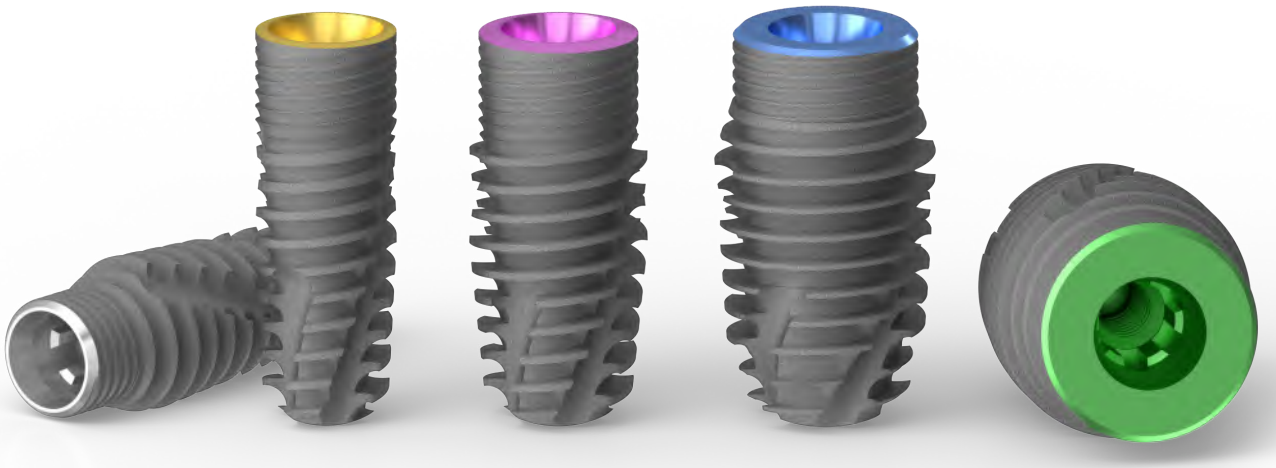
On the vial:



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 lenght		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	Sterilized using steam or dry heat	UDI	Unique Device Identifier



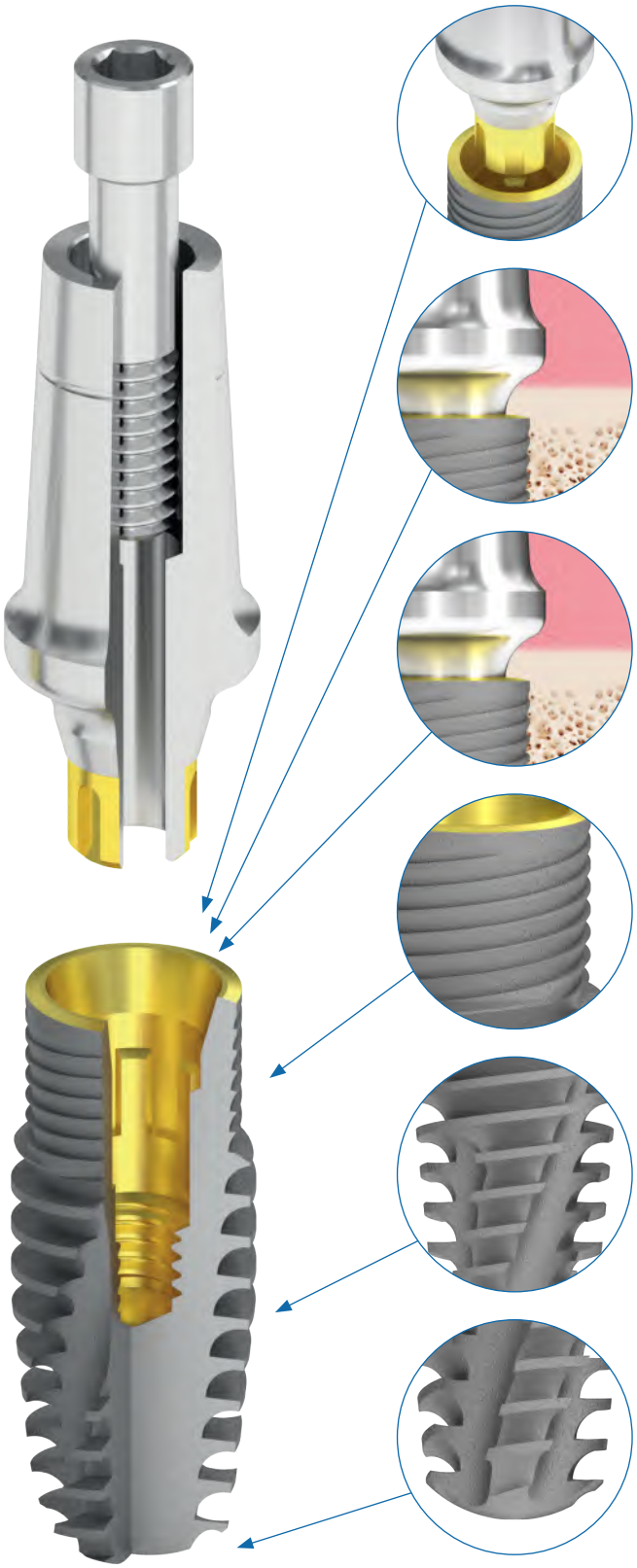
SCANDREA
IMPLANT SYSTEM

IMPLANTS

BIONIKA

SCANDREA implant system

The Scandrea Implant System is one of the lately developed implant system, which is the result of the as excellent engineering work as possible. The premium category Scandrea of BIONIKA system meets the highest expectations.



Connection: Conical-Connection

A fixation is used which eventuates micromotor-free power transmission and offers favorable conditions for the accurate sampling. It superimposes the powers deep right into the implant.

Cortical Level

The chances for implant survival are significantly improved if the upper edge of the implant is inserted 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 grow into the upper edge of the implant.

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.

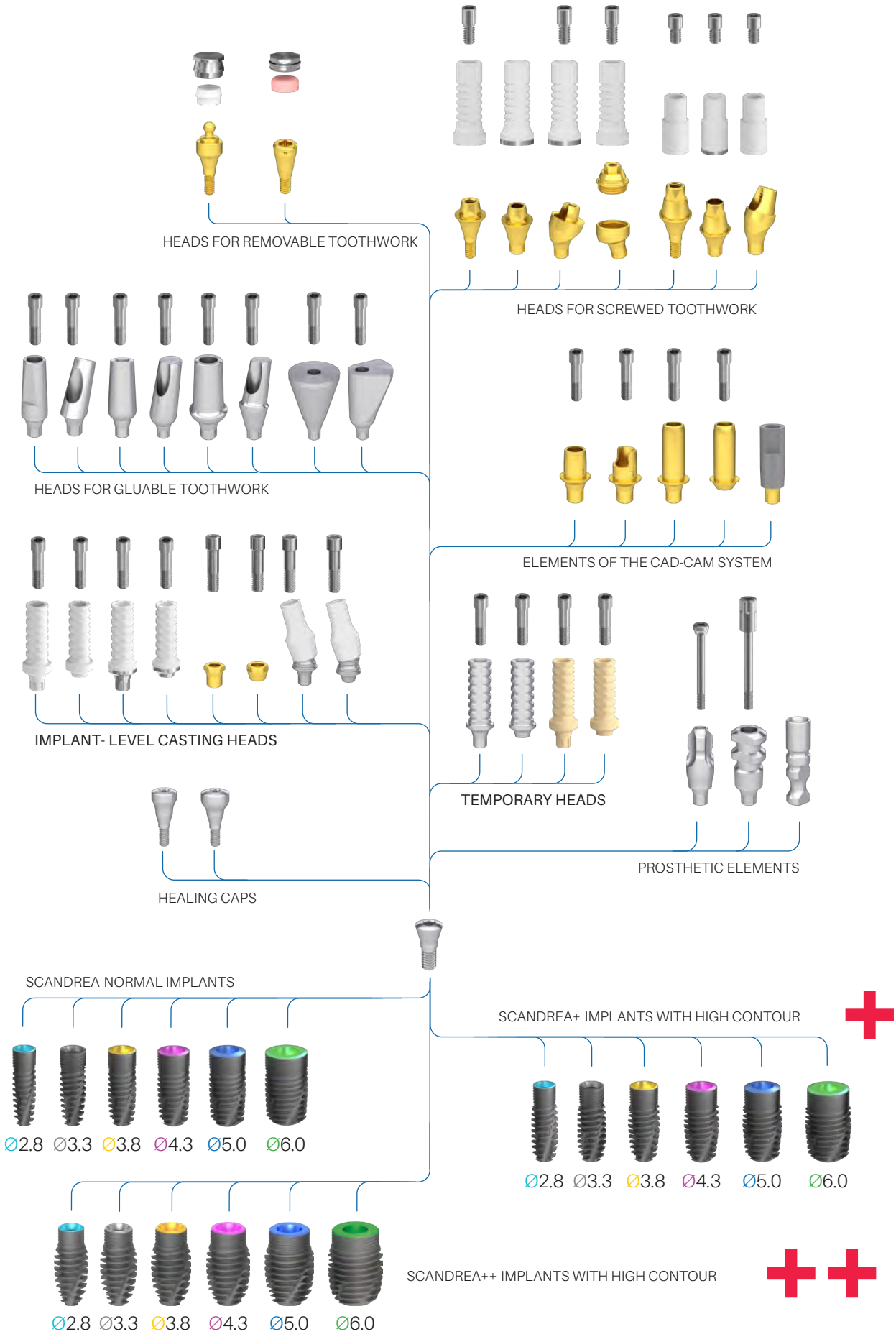
Anatomical tooth root form

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

Rounded apex

It facilitates minor changes in direction when inserting the implant.

The functional structure of the Scandrea Implant System elements



The applicational fields of the Scandrea 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.

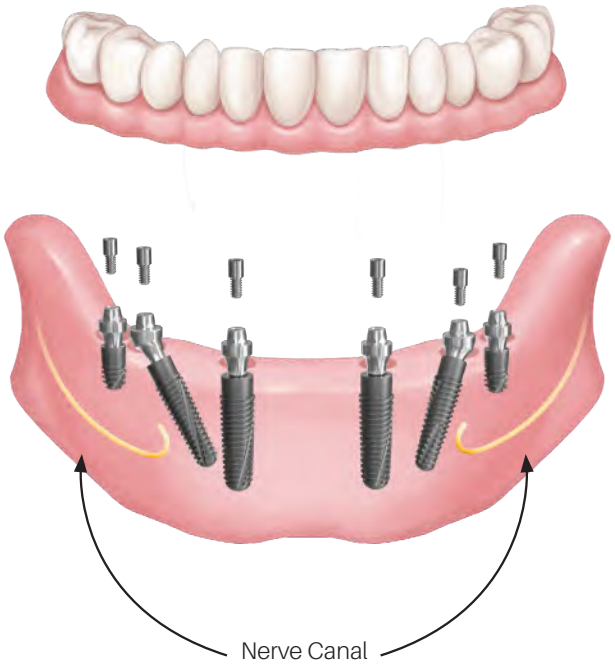
- The temporary denture can be inserted on the day of surgery.
- Immediate improvement in function, speech and aesthetics.
- Treatment time is shorter and costs can be lower compared to traditional implant placement methods.
- Tilting posterior implants can be better fixed into the anterior bone. This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

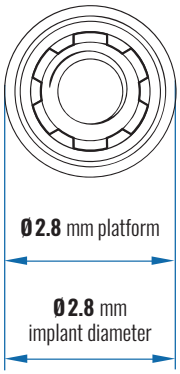
- The use of angled implants allows longer implants to be used by bypassing the nerve canal.
- The use of longer implants allows the bone and the implant to come into contact over a larger surface area, thus avoiding the need for bone grafting.
- Favorable bone level for angled and axial implants.
-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

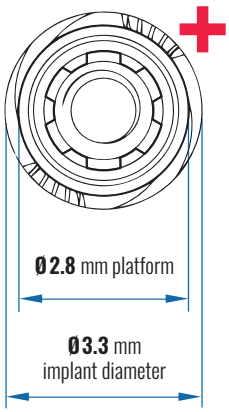


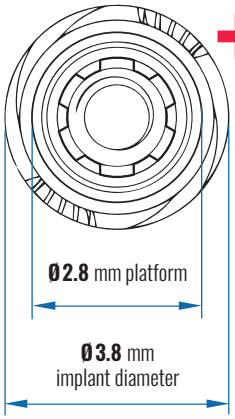
Safe Concept

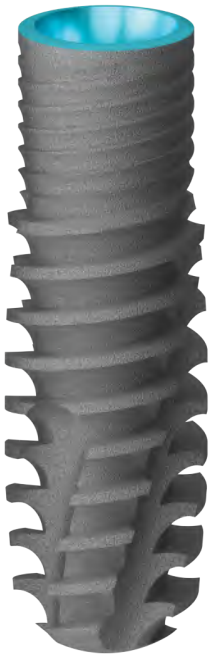
SCANDREA Implants with Ø2.8 platform

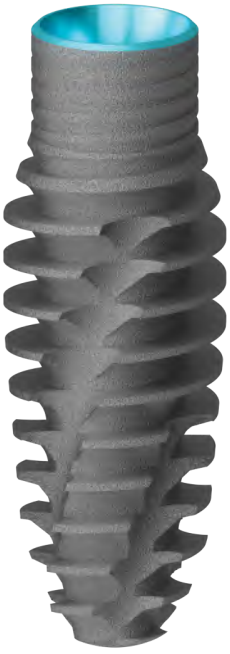
The thin Scandrea implants with Ø2.8 mm, Ø3,3 mm and Ø3,8 mm diameter and Ø2.8 mm platform is exceptionally suitable in the case of thinner than average bone structures for keeping the toothworks on the long run. The raw material of it is homogeneous titanium alloy with a high density.











SCANDREA MANUAL IMPLANT KEY DRIVER

Ø 2.8 mm
L 6 mm

Ø 2.8 mm
L 12 mm

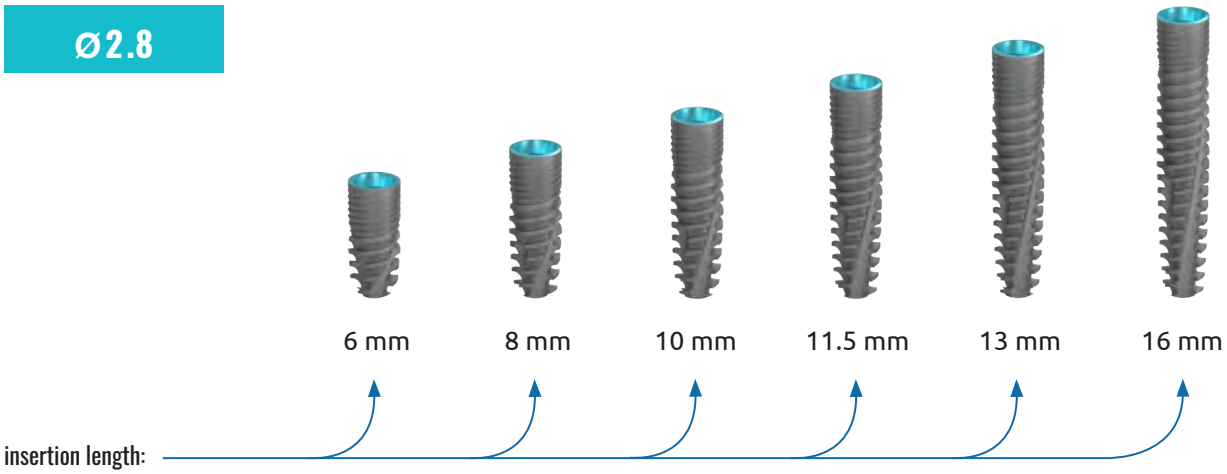
SCANDREA MECHANICAL IMPLANT KEY DRIVER

Ø 2.8 mm
L 6 mm

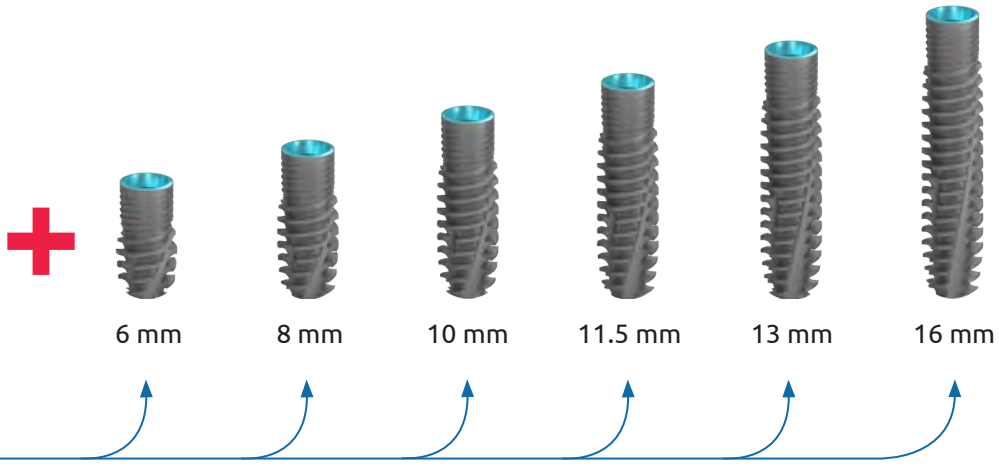
Ø 2.8 mm
L 12 mm

Sizes available of the implant with Ø2.8 mm platform

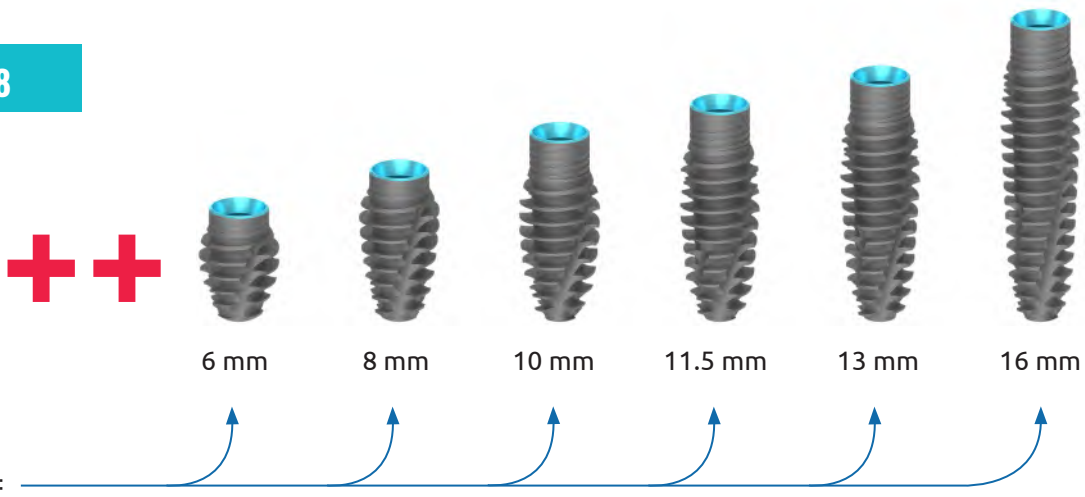
Ø2.8



Ø3.3

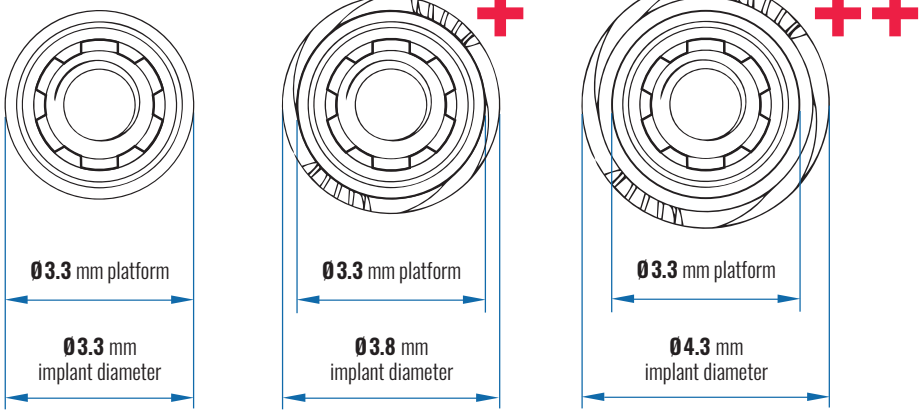


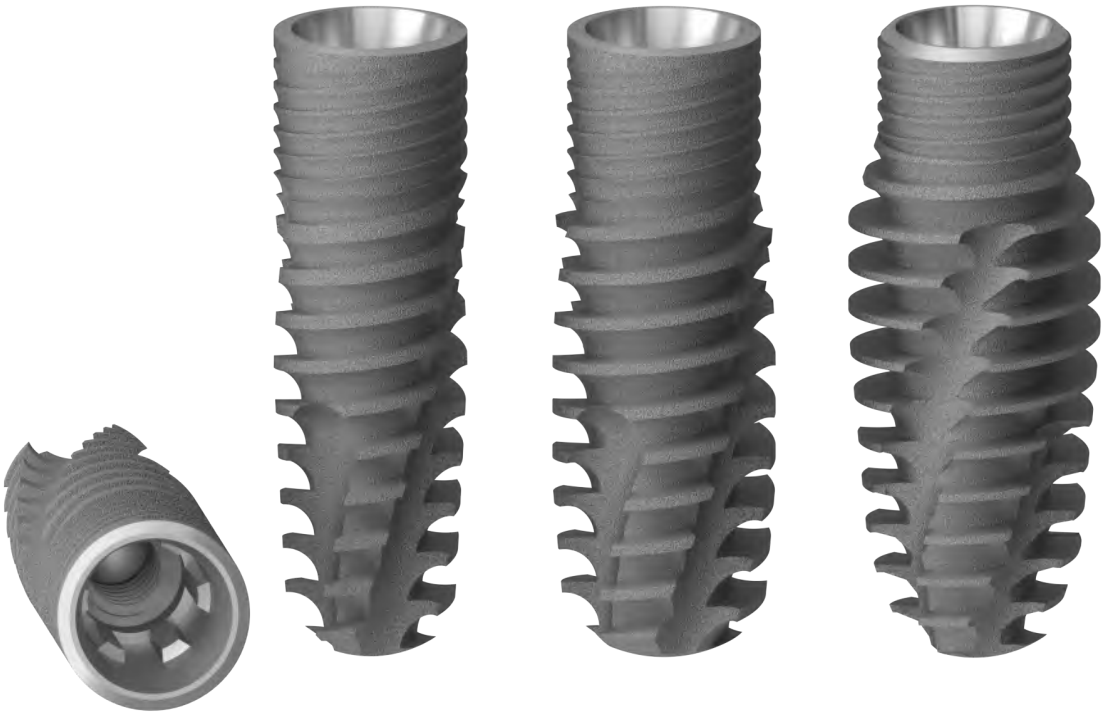
Ø3.8



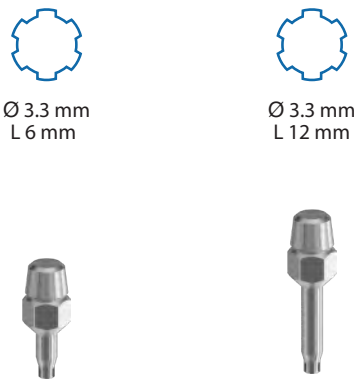
SCANDREA Implants with Ø3.3 platform

The thin Scandrea implants with Ø3.3 mm, Ø3.8 mm and Ø4.3 mm diameter and Ø3.3 mm platform is exceptionally suitable in the case of thinner than average bone structures for keeping the toothworks on the long run. The raw material of it is homogeneous titanium alloy with a high density.

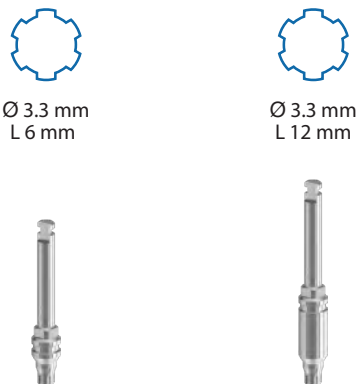




SCANDREA MANUAL IMPLANT KEY DRIVER

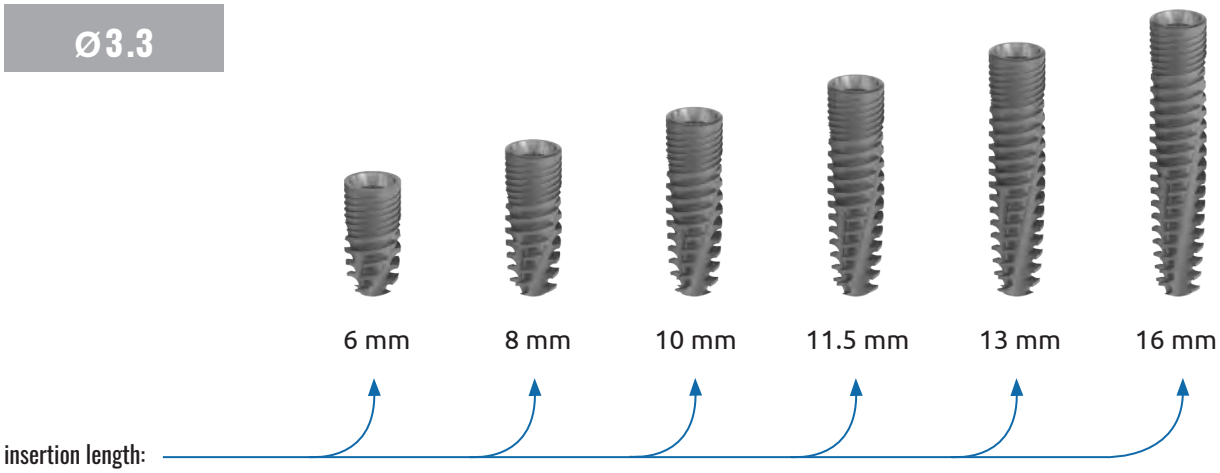


SCANDREA MECHANICAL IMPLANT KEY DRIVER

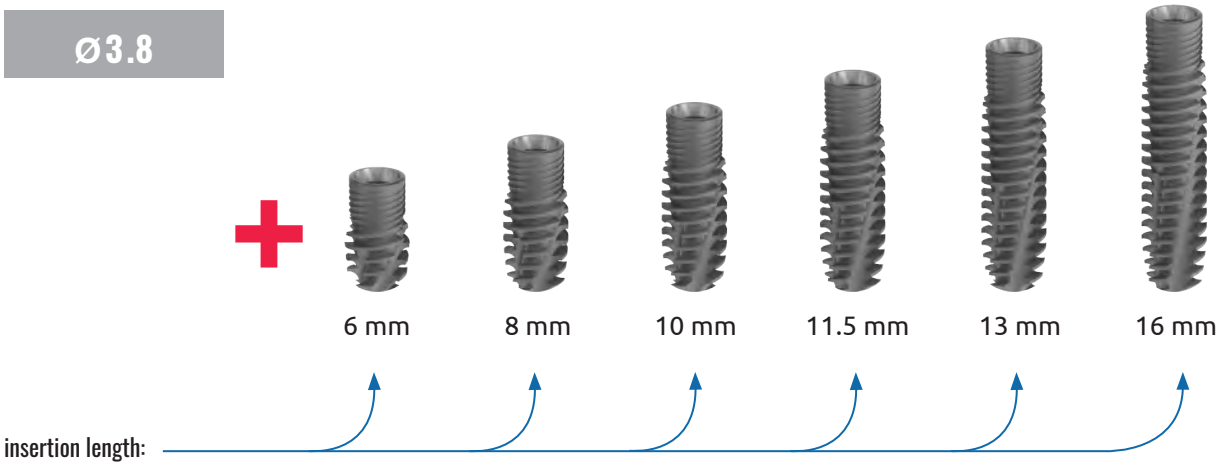


Sizes available of the implant with Ø3.3 mm platform

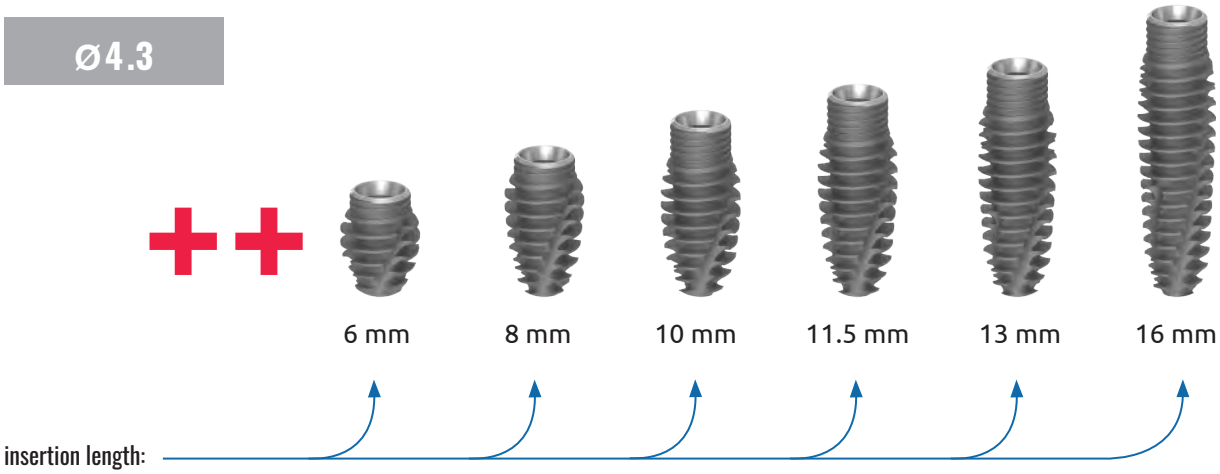
Ø3.3



Ø3.8



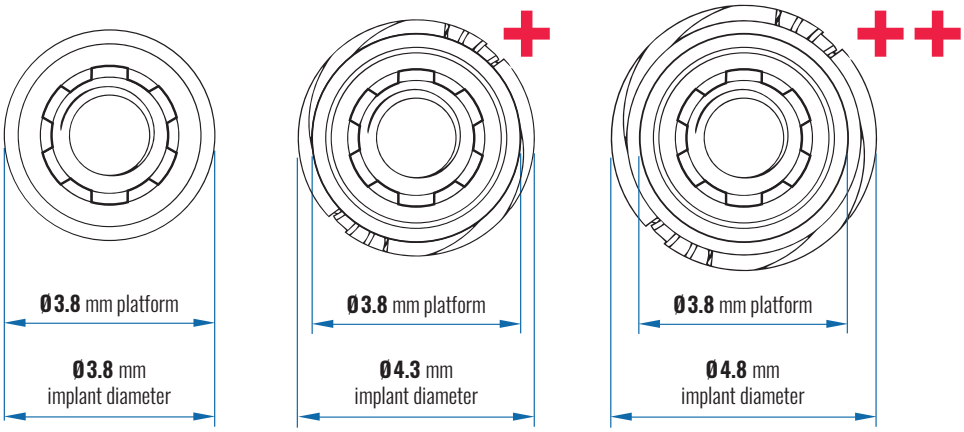
Ø4.3

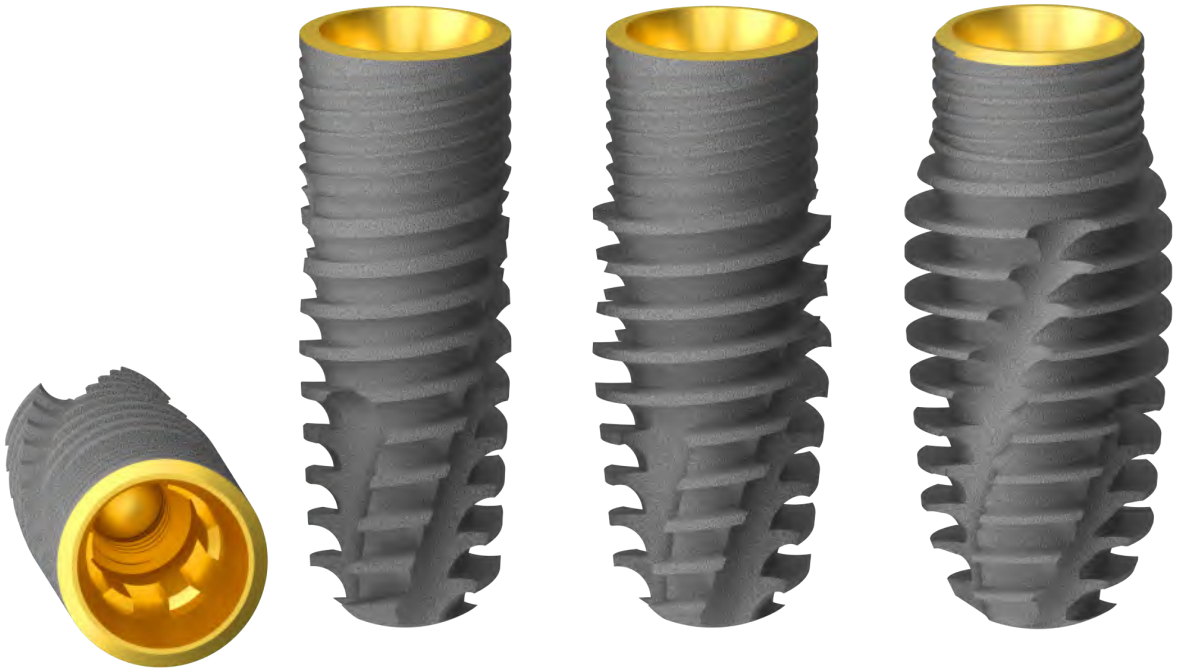


SCANDREA Implants with Ø3.8 platform

The normal Scandrea implants with Ø3.8 mm, Ø4.3 mm and Ø4.8 mm diameter and Ø3.8 mm platform is exceptionally suitable in the case of average bone structures for keeping the toothworks on the long run. The 75 % of the occuring cases can be covered with this type.

The raw material of it is homogeneous titanium alloy with a high density.





SCANDREA MANUAL IMPLANT KEY DRIVER

Ø 3.8 mm
L 6 mm

Ø 3.8 mm
L 12 mm

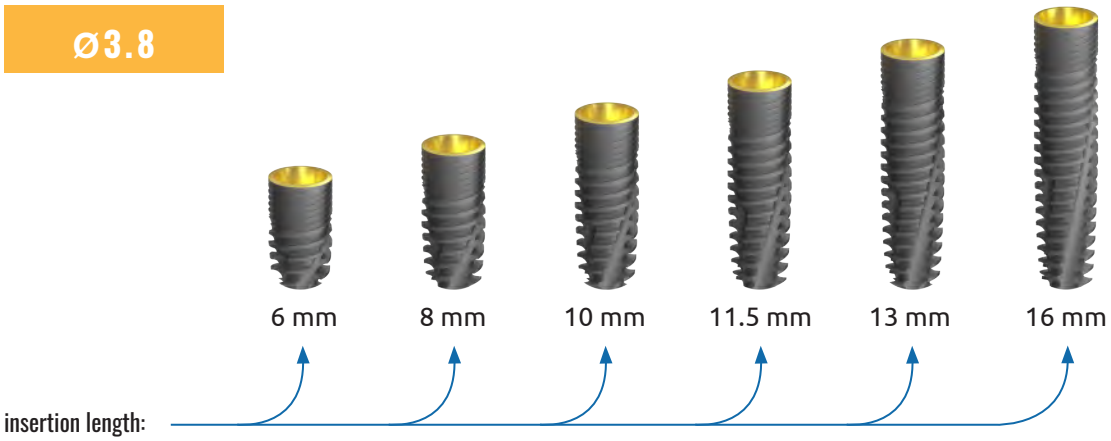
SCANDREA MECHANICAL IMPLANT KEY DRIVER

Ø 3.8 mm
L 6 mm

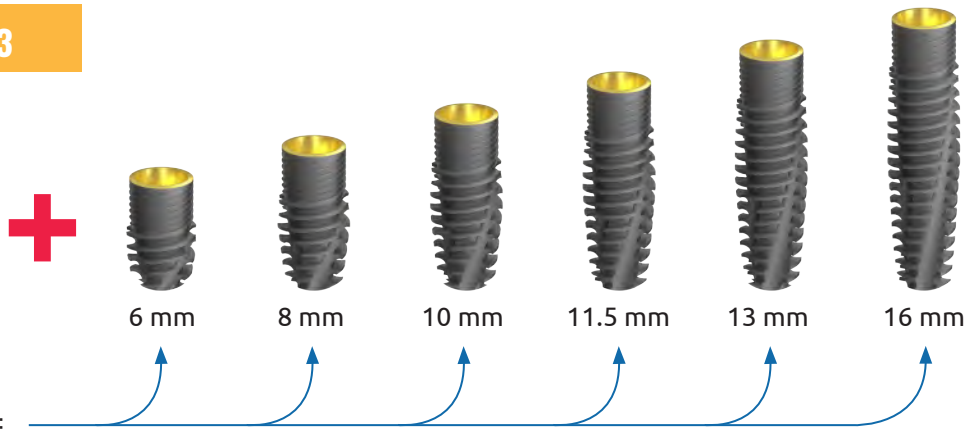
Ø 3.8 mm
L 12 mm

Sizes available of the implant with Ø3.8 mm platform

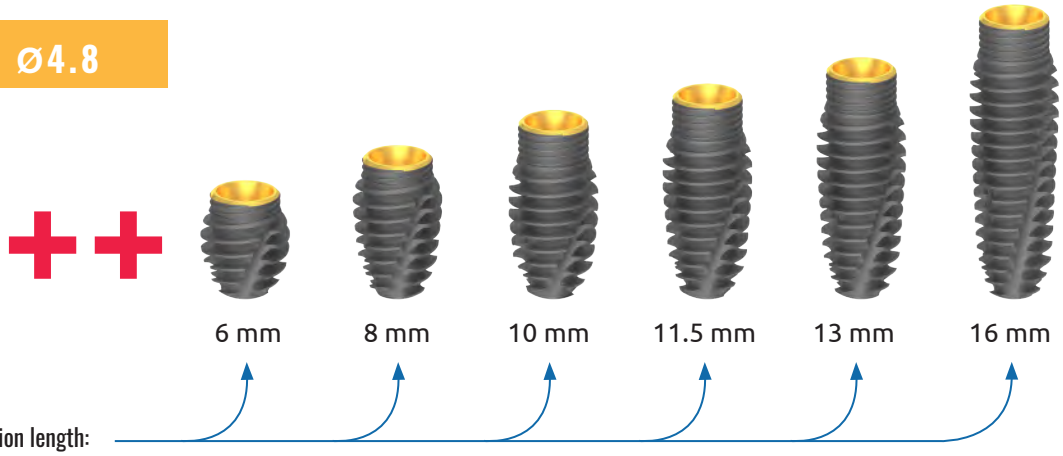
Ø3.8



Ø4.3



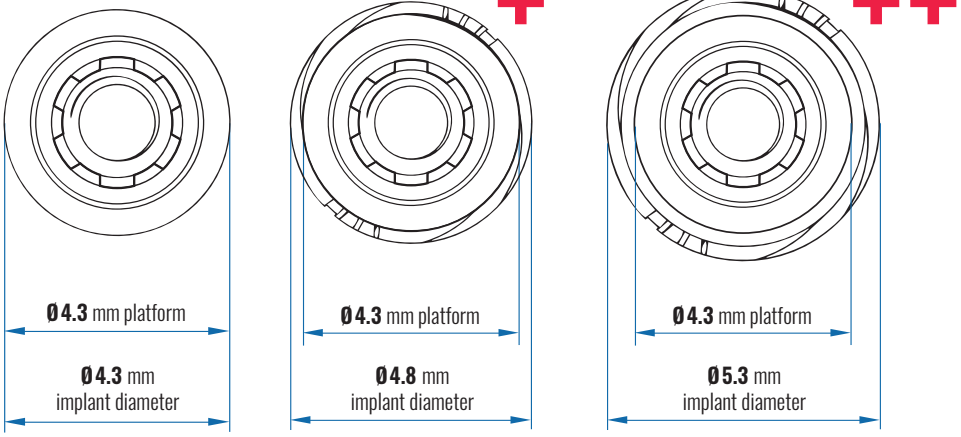
Ø4.8

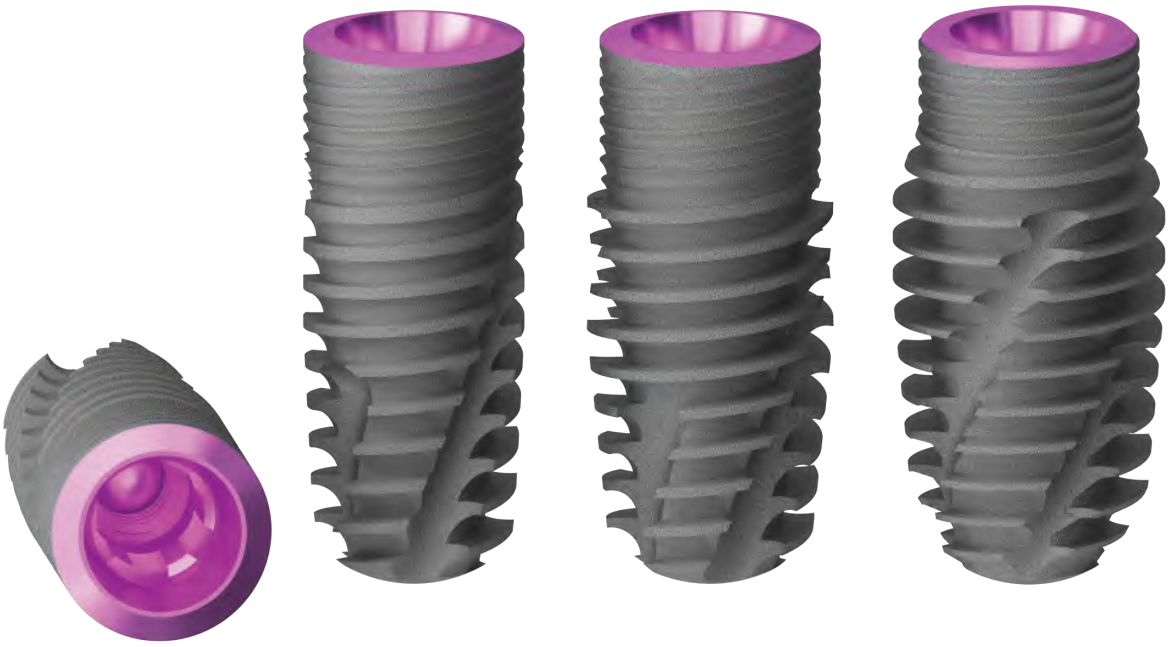


SCANDREA Implants with Ø4.3 platform

The normal Scandrea implants with Ø4.3 mm, Ø4.8 mm and Ø5.3 mm diameter and Ø4.3 mm platform is exceptionally suitable in the case of average bone structures for keeping the toothworks on the long run. The 75 % of the occuring cases can be covered with this type.

The raw material of it is homogeneous titanium alloy with a high density.





SCANDREA MANUAL IMPLANT KEY DRIVER

Ø 3.8 mm
L 6 mm

Ø 3.8 mm
L 12 mm

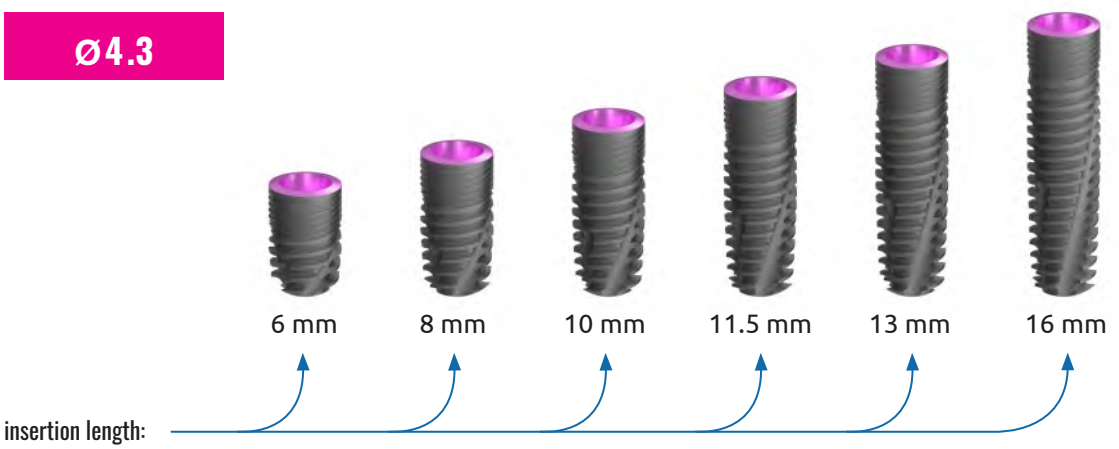
SCANDREA MECHANICAL IMPLANT KEY DRIVER

Ø 3.8 mm
L 6 mm

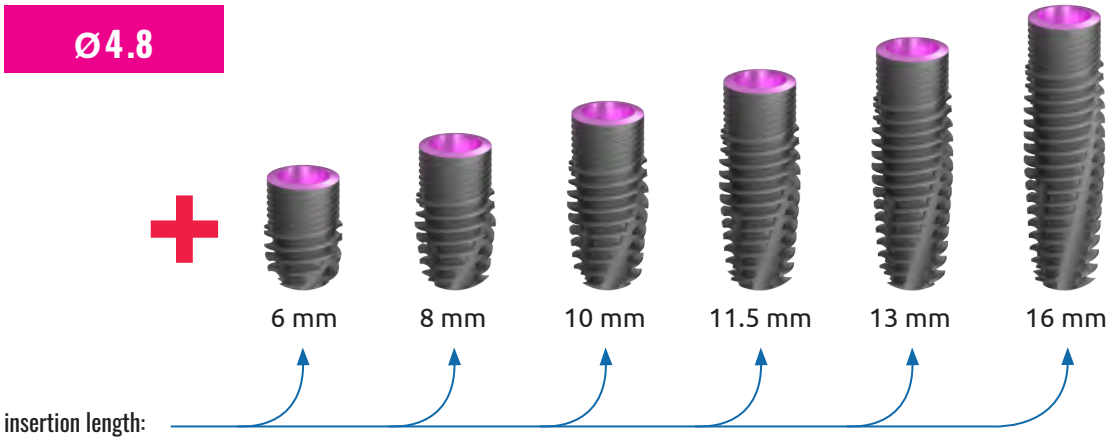
Ø 3.8 mm
L 12 mm

Sizes available of the implant with Ø4.3 mm platform

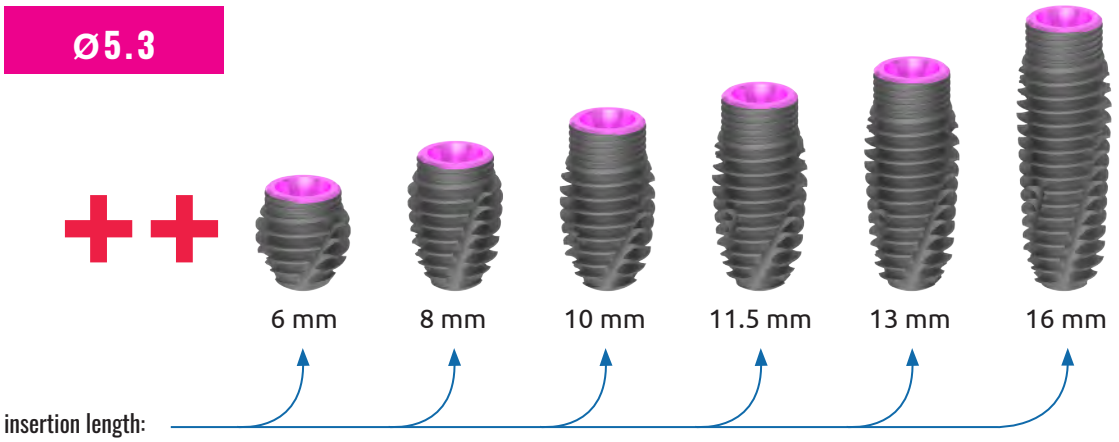
Ø4.3



Ø4.8



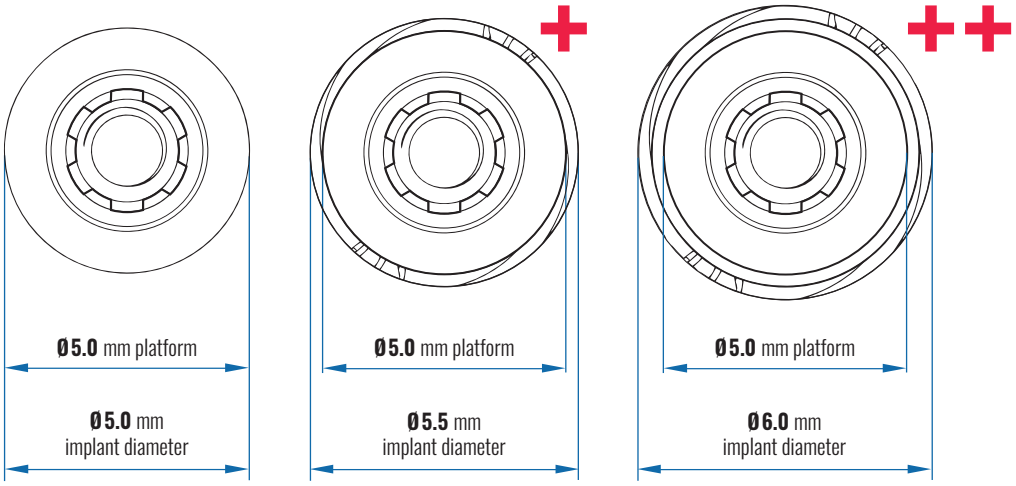
Ø5.3



SCANDREA Implants with Ø5.0 platform

The thick Scandrea implants with Ø5.0 mm, Ø5.5 mm and Ø6.0 diameter and Ø5.0 mm platform is exceptionally suitable in the case of bigger than average bone structures for keeping the toothworks on the long run.

The raw material of it is homogeneous titanium alloy with a high density.



SCANDREA MANUAL IMPLANT KEY DRIVER

Ø 3.8 mm
L 6 mm

Ø 3.8 mm
L 12 mm

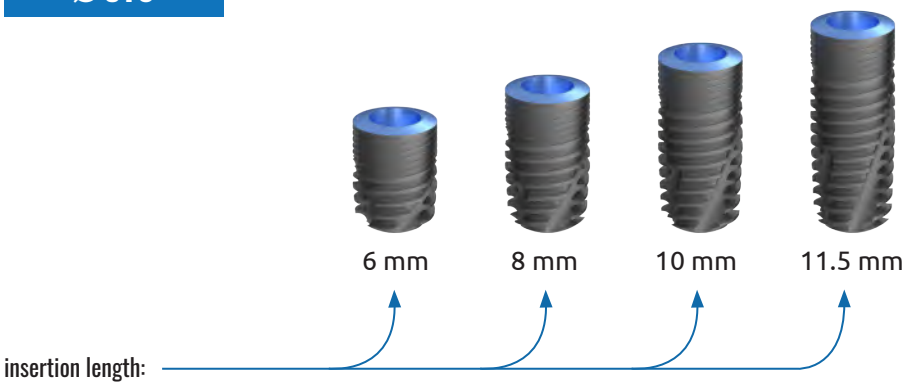
SCANDREA MECHANICAL IMPLANT KEY DRIVER

Ø 3.8 mm
L 6 mm

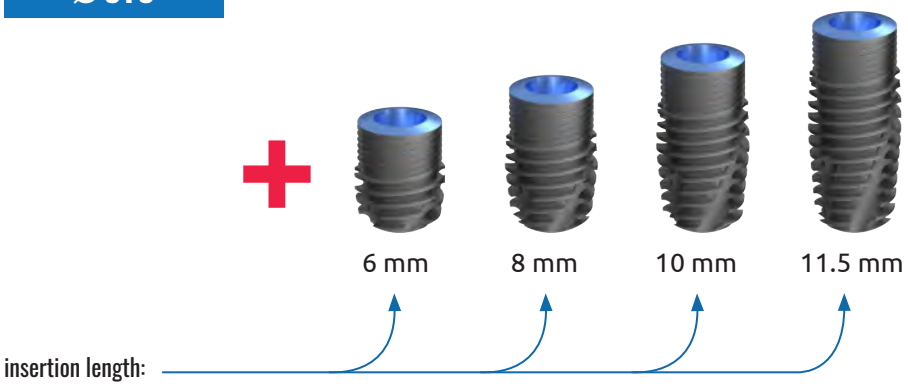
Ø 3.8 mm
L 12 mm

Sizes available of the implant with Ø5.0 mm platform

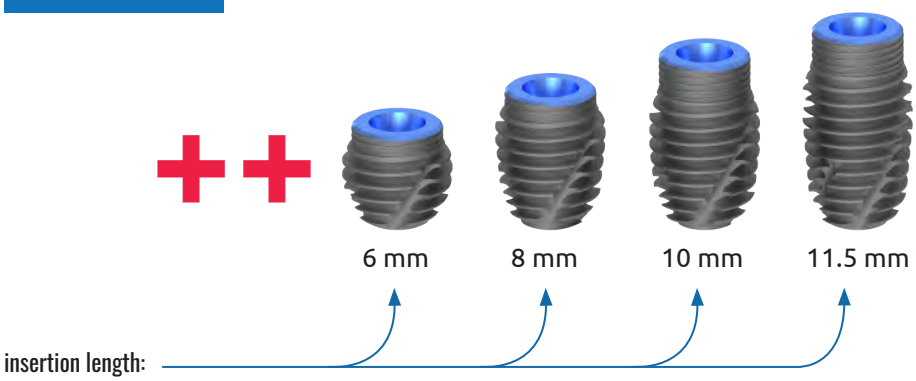
Ø5.0



Ø5.5



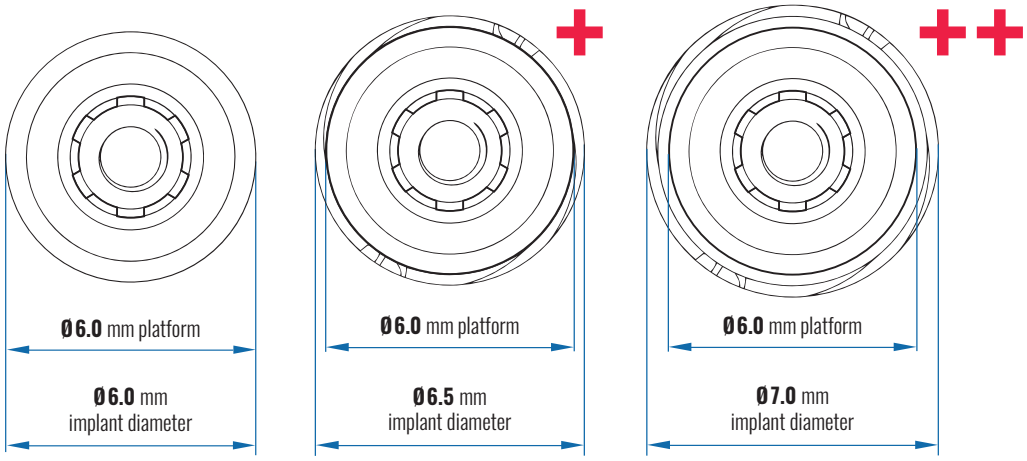
Ø6.0

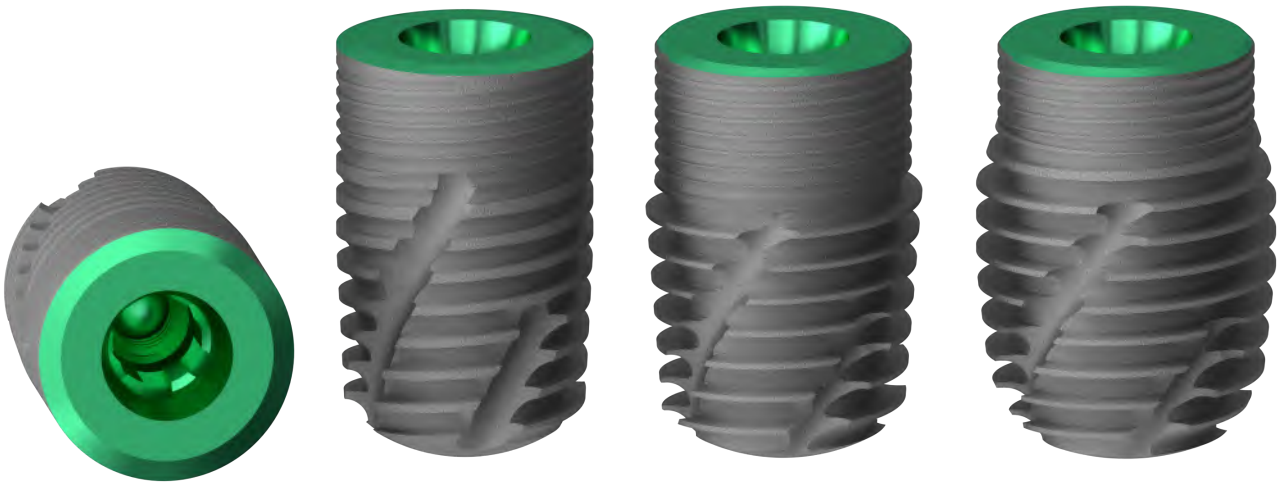


SCANDREA Implants with Ø6.0 platform

The thick Scandrea implants with Ø6.0 mm, Ø6.5 mm and Ø7.0 diameter and Ø6.0 mm platform is exceptionally suitable in the case of bigger than average bone structures for keeping the toothworks on the long run.

The raw material of it is homogeneous titanium alloy with a high density.





SCANDREA MANUAL IMPLANT KEY DRIVER

Ø 6.0 mm
L 6 mm

Ø 6.0 mm
L 12 mm

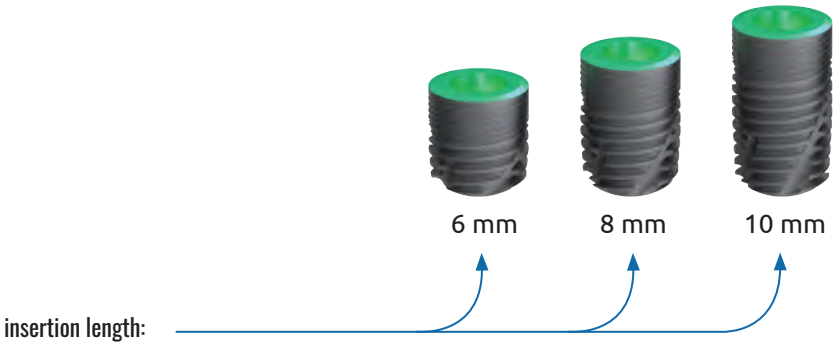
SCANDREA MECHANICAL IMPLANT KEY DRIVER

Ø 6.0mm
L 6 mm

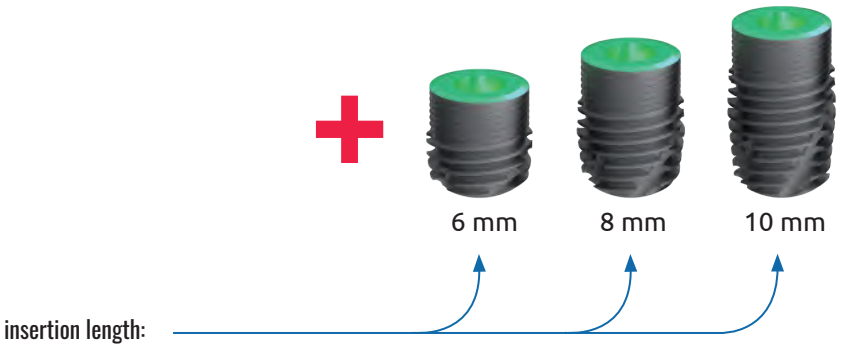
Ø 6.0 mm
L 12 mm

Sizes available of the implant with Ø6.0 mm platform

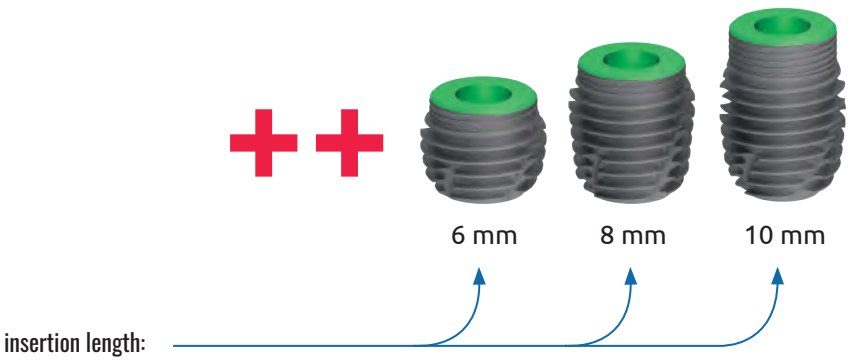
Ø6.0



Ø6.5



Ø7.0

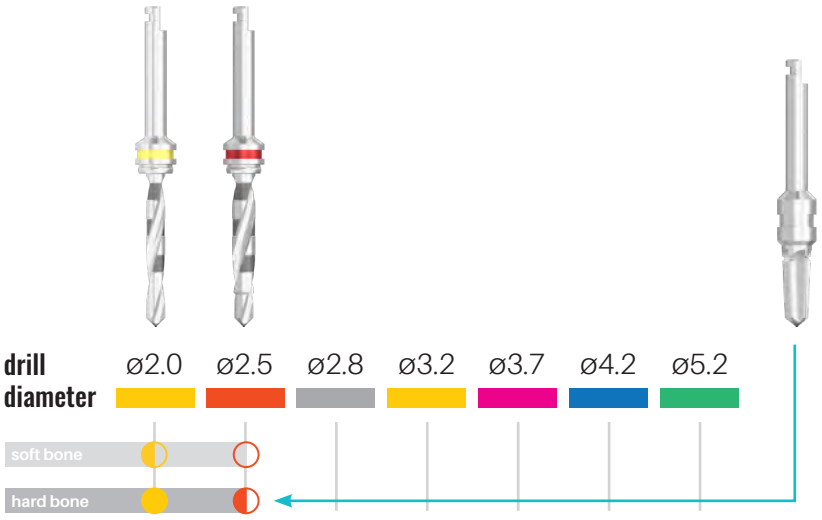


The drilling protocol of the Scandrea implants

implant diameter Ø2.8

Drilling indicators:

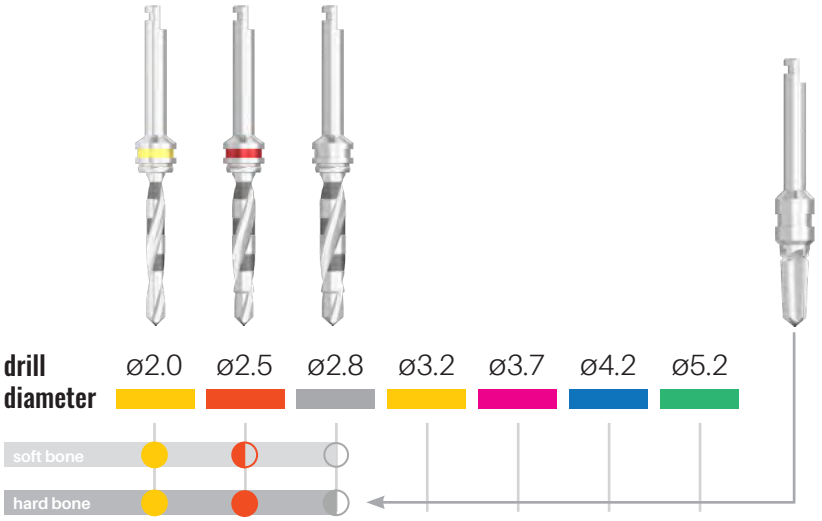
- alternatively used
- 1/2 lenght drilling alternatively
- 3/4 or full length drilling recommended



implant diameter Ø3.3

Drilling indicators:

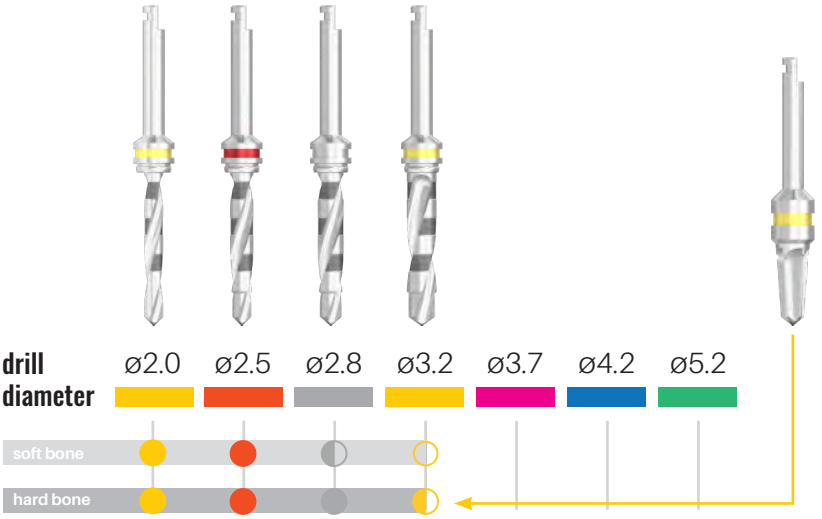
- alternatively used
- 1/2 lenght drilling alternatively
- 3/4 or full length drilling recommended



implant diameter Ø3.8

Drilling indicators:

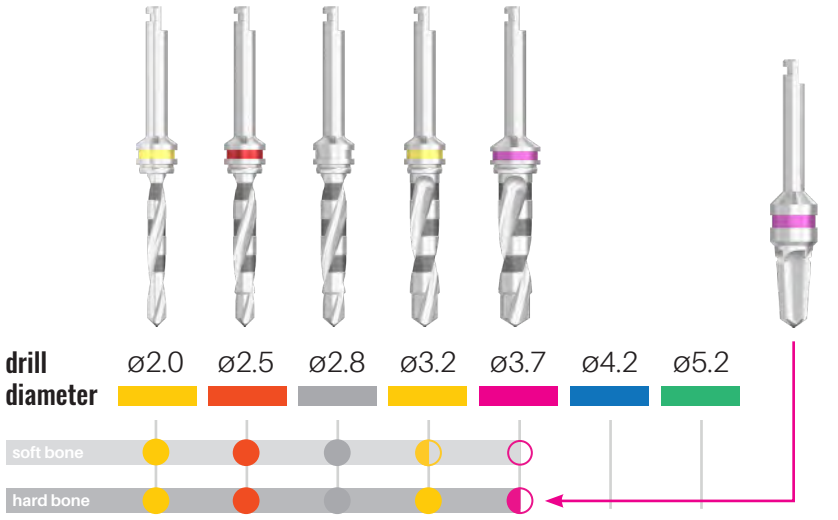
- alternatively used
- 1/2 lenght drilling alternatively
- 3/4 or full length drilling recommended



implant diameter Ø4.3

Drilling indicators:

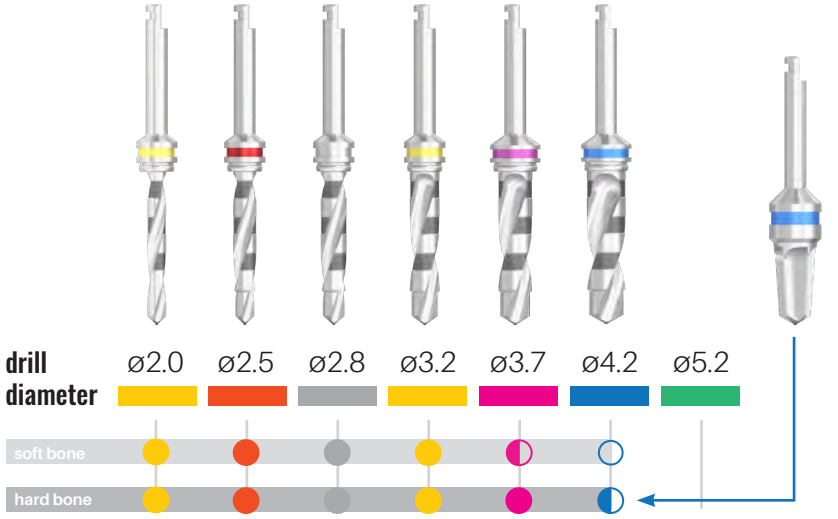
- ◯ - alternatively used
- ◐ - 1/2 lenght drilling alternatively
- ● - 3/4 or full length drilling recommended



implant diameter Ø5.0

Drilling indicators:

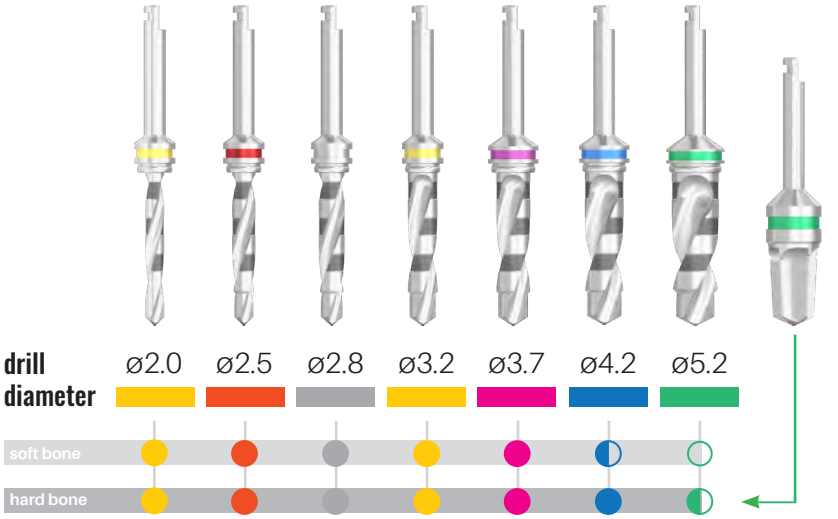
- ◯ - alternatively used
- ◐ - 1/2 lenght drilling alternatively
- ● - 3/4 or full length drilling recommended



implant diameter Ø6.0

Drilling indicators:

- ◯ - alternatively used
- ◐ - 1/2 lenght drilling alternatively
- ● - 3/4 or full length drilling recommended



SCANDREA
IMPLANT SYSTEM

ABUTMENTS

BIONIKA

SCANDREA abutment system

1. IMPLANTS

PROSTHETIC ELEMENTS

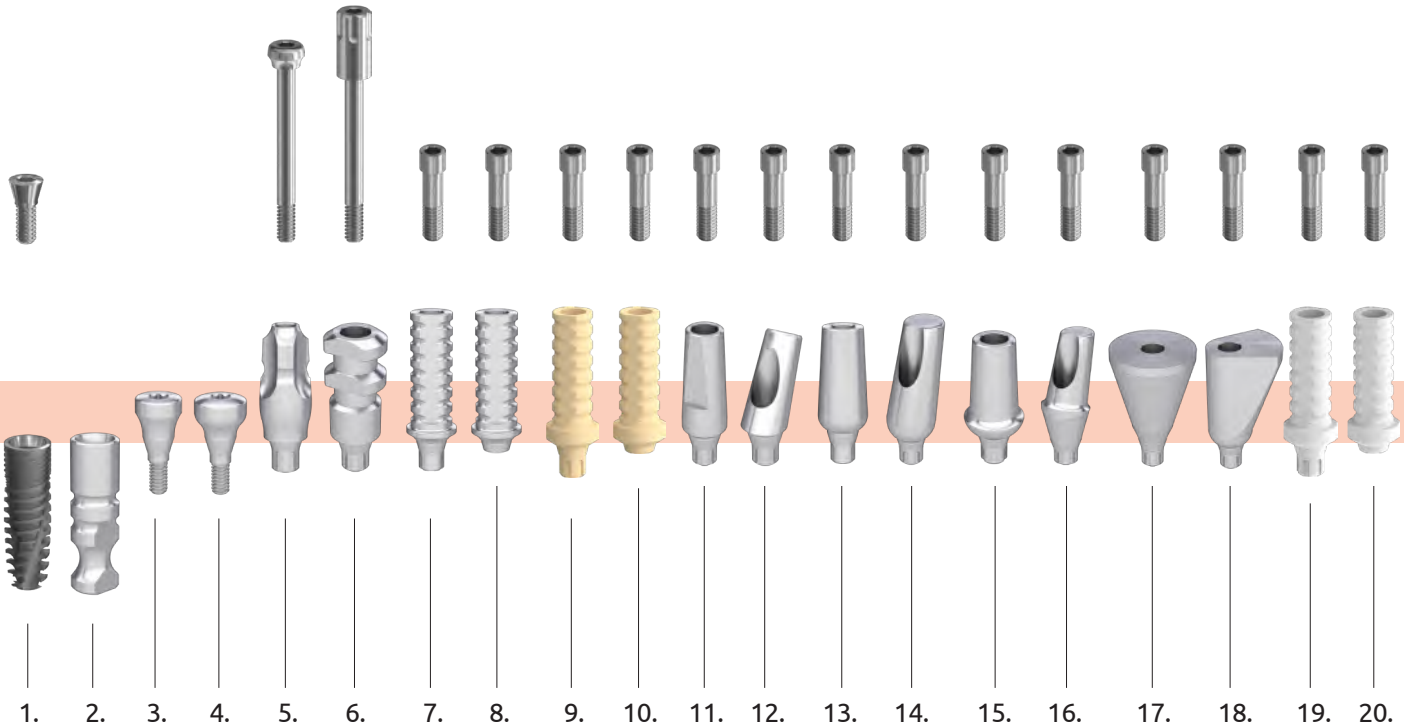
2. Lab analog
3. Healing screw, narrow
4. Healing screw, anatomical
5. Impression coping for closed tray
6. Impression coping for open tray
7. Temporary abutment, positioned
8. Temporary abutment, non-positioned
9. Temporary abutment, positioned, PEEK
10. Temporary abutment, non-positioned, PEEK

FOR CEMENT-RETAINED RESTORATIONS

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

IMPLANT LEVEL CASTING ABUTMENTS

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



21. Castable plastic abutment, Co-Cr based positioned
22. Castable plastic abutment, Co-Cr based non-positioned
23. Ball-joint head, positioned
24. Ball-joint head, non-positioned
25. Interface, positioned
26. Interface, non-positioned

FOR REMOVABLE TOOTHWORK

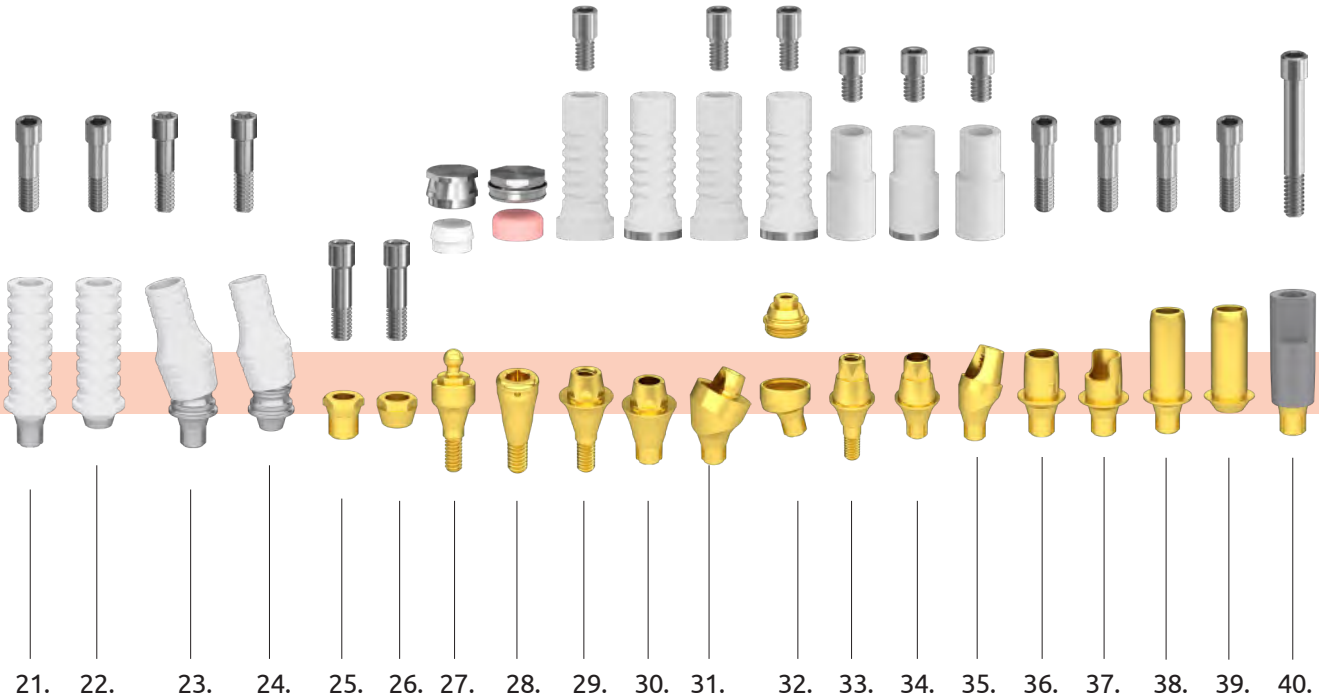
27. Ball-head
28. Locator head, straight

FOR SCREWED TOOTHWORK

29. Multi-unit head, straight
30. Multi-unit head, through-bolted
31. Multi-unit abutment, angled
32. Multi-Compact abutment, angled
33. Multi-unit SR abutment, straight
34. Multi-unit SR abutment, through-bolted
35. Multi-unit SR abutment, angled

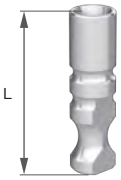
ELEMENTS OF THE CAD-CAM SYSTEM

36. Titanium base
37. Titanium base, PCT
38. Tube abutment, positioned
39. Tube abutment, non-positioned
40. Scanbody



Sizes available of the **Scandrea** abutments

LAB ANALOG



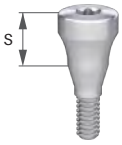
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

HEALING SCREW, NARROW



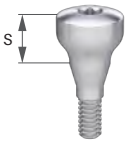
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

2 4 6

HEALING SCREW, ANATOMICAL



platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

2 4 6

IMPRESSION COPING FOR CLOSED TRAY

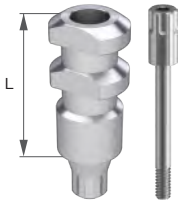
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

11

IMPRESSION COPING FOR OPEN TRAY



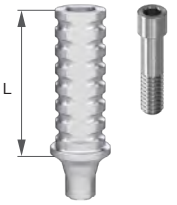
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

11

TEMPORARY ABUTMENT, POSITIONED



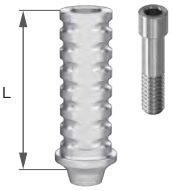
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

TEMPORARY ABUTMENT, NON-POSITIONED



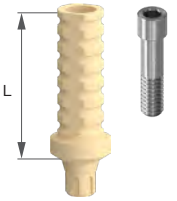
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

TEMPORARY ABUTMENT, POSITIONED, PEEK



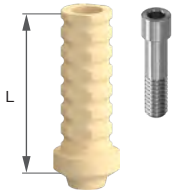
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

TEMPORARY ABUTMENT, NON-POSITIONED, PEEK



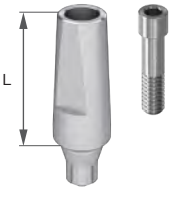
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

NARROW ABUTMENT, STRAIGHT



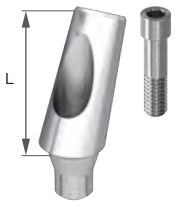
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

9

NARROW ABUTMENT, ANGLED 15°; 25°



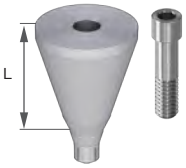
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

9

TRAPEZOIDAL ABUTMENT 15°; 25°



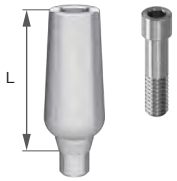
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

9 11 13

UNIVERSAL ABUTMENT, STRAIGHT



platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

11

DELTA ABUTMENT 15°; 25°

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

9 11 13

UNIVERSAL ABUTMENT, ANGLED 15°; 25°; 35°; 45°

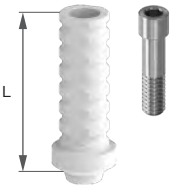
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

11

CASTABLE PLASTIC ABUTMENT, NON-POSITIONED



platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

ANATOMICAL ABUTMENT , STRAIGHT

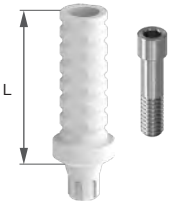
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

2 4 6

CASTABLE PLASTIC ABUTMENT, POSITIONED



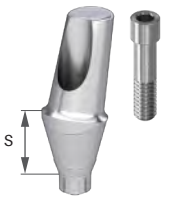
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

ANATOMICAL ABUTMENT, ANGLED 15°; 25°



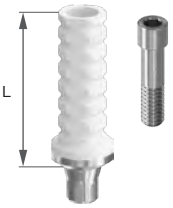
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

2 4 6

CASTABLE PLASTIC ABUTMENT, CO-CR BASED POSITIONED



platform (mm)

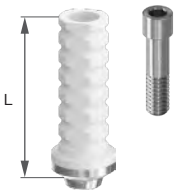
ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

Sizes available of the **Scandrea** abutments

CASTABLE PLASTIC ABUTMENT, CO-CR BASED NON-POSITIONED



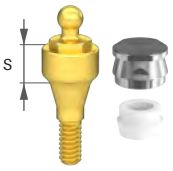
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

BALL-HEAD



platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

0,5 1 2 3 4 5 6 7

INTERFACE, POSITIONED

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

LOCATOR HEAD, STRAIGHT

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

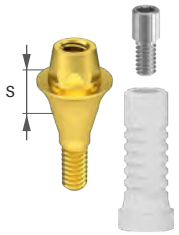
0,5 1 2 3 4 5 6 7

INTERFACE, NON-POSITIONED

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

MULTI-UNIT HEAD, STRAIGHT



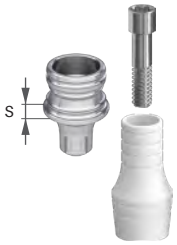
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

0,5 1 2 3 4 5 6 7

BALL-JOINT HEAD, POSITIONED



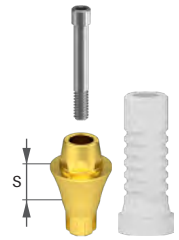
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

1 3

MULTI-UNIT HEAD, THROUGH-BOLTED



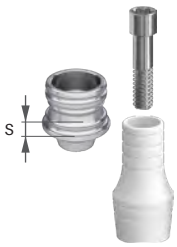
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

0,5 1 2 3 4 5 6 7

BALL-JOINT HEAD, NON-POSITIONED



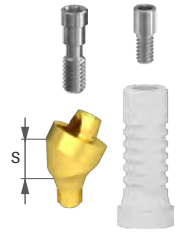
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

1 3

MULTI-UNIT ABUTMENT, ANGLED, 20°, 30°



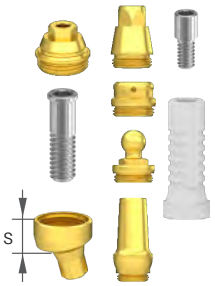
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

0,5 1 2 3 4 5 6 7

MULTI-COMPACT ABUTMENT, ANGLED, 20°; 30°



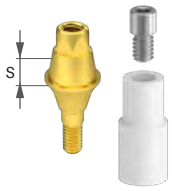
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

1 2 3 4 5 6 7

MULTI-UNIT SR ABUTMENT, STRAIGHT



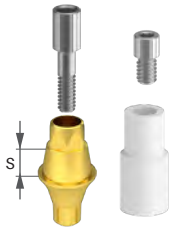
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

0,5 1 2 3 4 5 6 7

MULTI-UNIT SR ABUTMENT, THROUGH-BOLTED



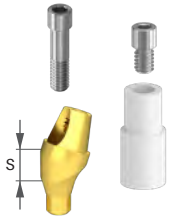
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

0,5 1 2 3 4 5 6 7

MULTI-UNIT SR ABUTMENT, ANGLED 20°; 30°



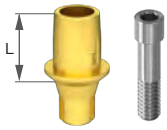
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulcus height (S mm)

1 2 3 4 5 6 7

TITANIUM BASE



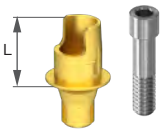
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

5

TITANIUM BASE PCT



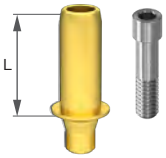
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

5

TUBE ABUTMENT, POSITIONED



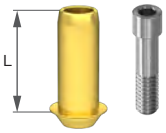
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

9

TUBE ABUTMENT, NON-POSITIONED



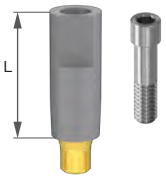
platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

9

SCANBODY



platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

head height (L mm)

12

Accessories of the **Scandrea** abutments

SURGICAL ABUTMENT SCREW

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

IMPRESSION COPING SCREW, FOR CLOSED TRAY

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

IMPRESSION COPING SCREW, FOR OPEN TRAY

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

BALL-JOINT HEAD SCREW

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

MULTI-UNIT ABUTMENT SCREW

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

MULTI-UNIT THROUGH-BOLT

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

MULTI-COMPACT ABUTMENT SCREW

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

MULTI-UNIT SR ABUTMENT SCREW

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

minden átmérőnél azonos

MULTI-UNIT SR ABUTMENT THROUGH-BOLT

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

INTERFACE SCREW

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

OC METAL CAP, OC PLASTIC INSERT, NORMAL

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

ball diameter: 2,5 mm

OC METAL CAP, OC PLASTIC INSERT, MICRO

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

ball diameter: 1,8 mm

LOCATOR CAP SET

pink cap:
10-20°-os deviations, 1.4 kg retention

blue cap:
10-20°-os deviations, 0.7 kg retention

red cap:
20-40°-os deviations, 0.4 kg retention

PLASTIC CAP FOR INTERFACE

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

CASTABLE PLASTIC ABUTMENT,BALL-JOINT

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

CASTABLE PLASTIC ABUTMENT

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

CASTABLE PLASTIC ABUTMENT, CO-CR BASED

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

CASTABLE PLASTIC ABUTMENT, MULTI-UNIT SR

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

CASTABLE PLASTIC HEAD, CO-CR BASED, MULTI-UNIT SR

platform (mm)

ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


BIONIKA
CE 1008

SCANDREA
IMPLANT SYSTEM

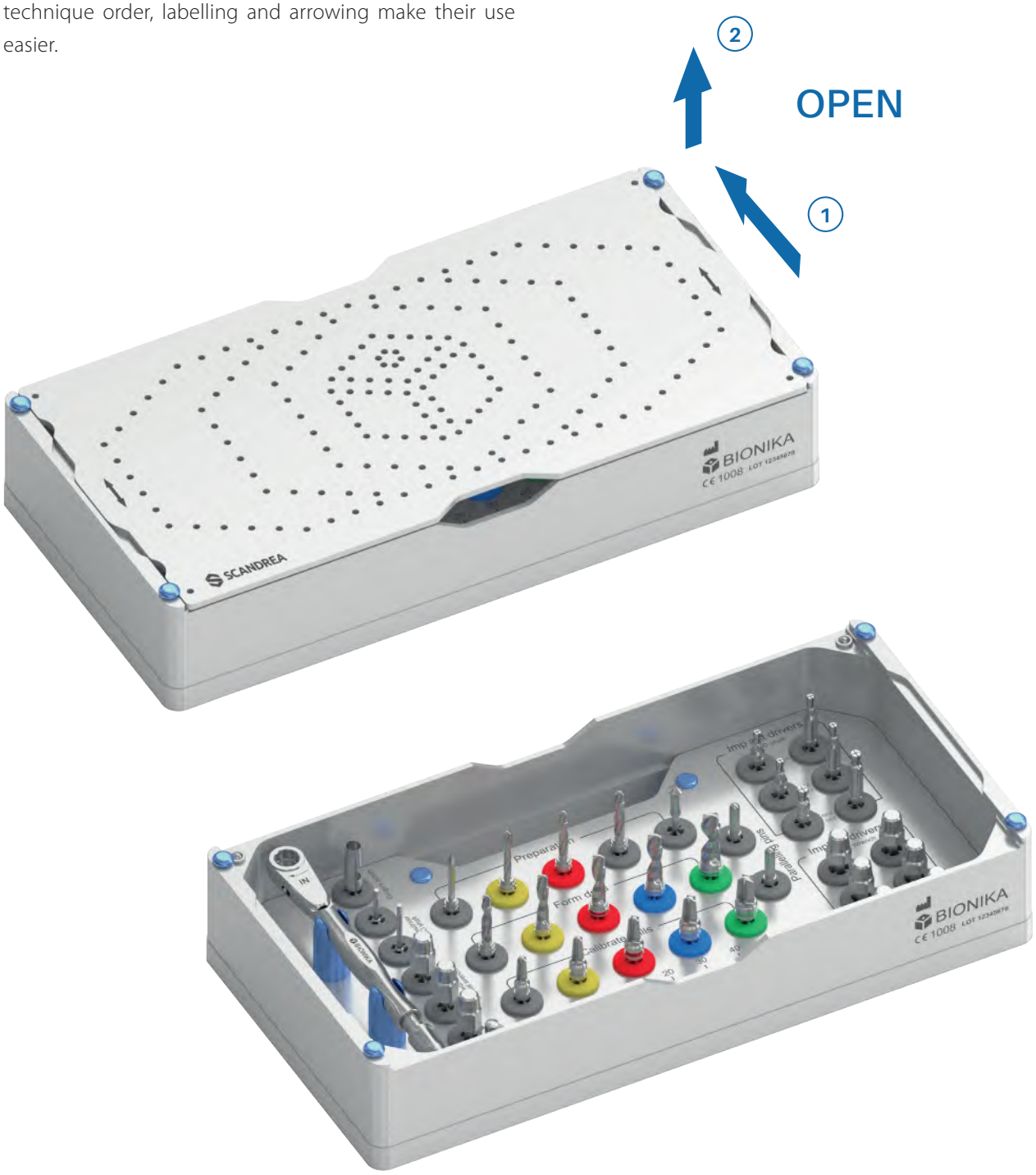
INSTRUMENT KITS

BIONIKA

SCANDREA Instrument kits

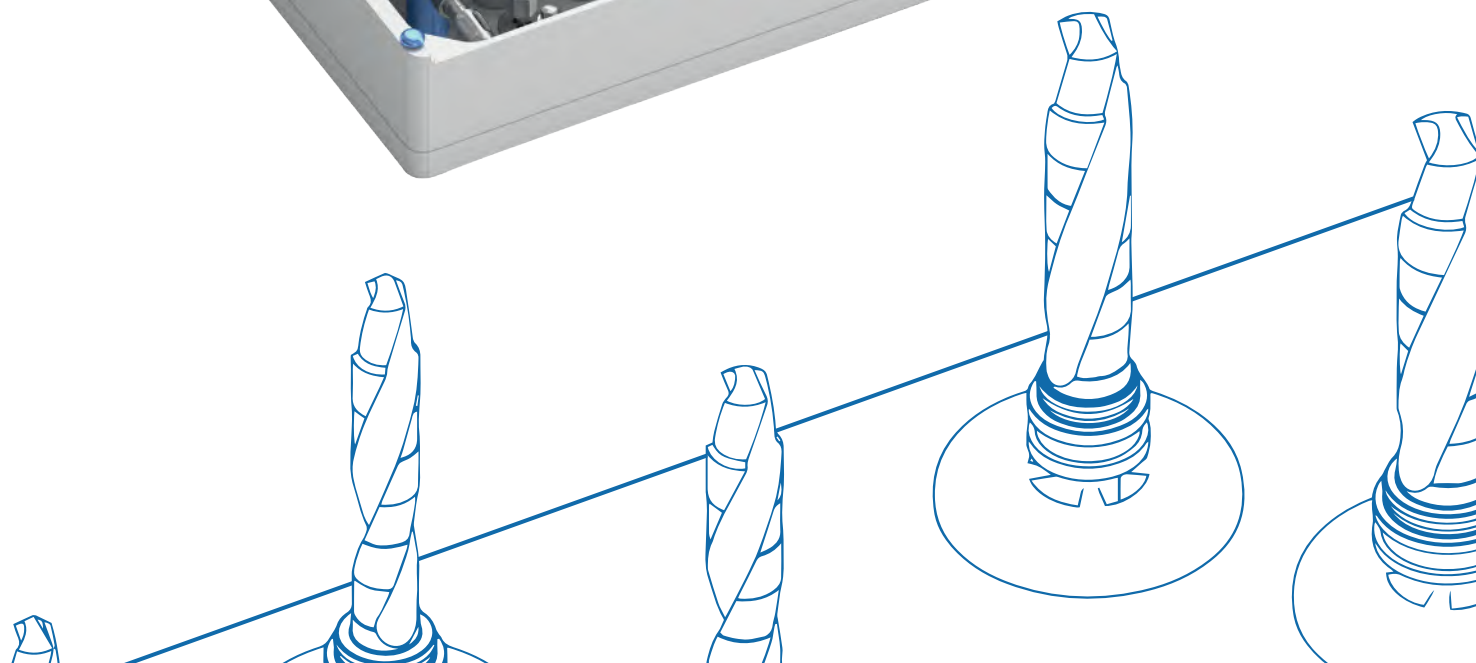
Our instrument kits consist of the inevitable instruments for dental implantation. The Scandrea Large Instrument Kit includes 14 instruments, in a wide range of sizes in order to get versatile utilization. The instrument kit consists of 37 instruments all together.

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

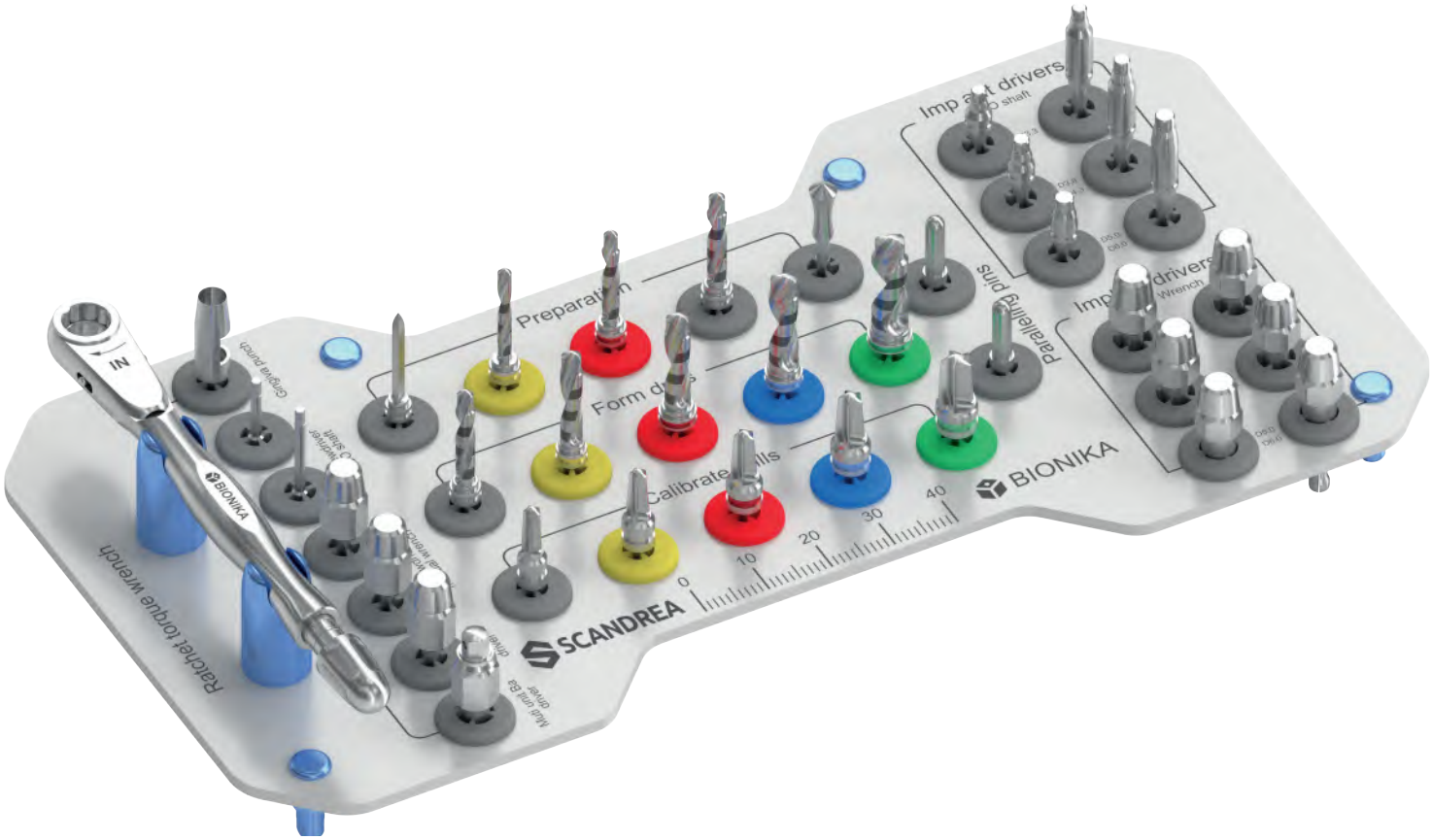


SCANDREA Instrument kits

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



SCANDREA Instrument kit



Content arrangement of the SCANDREA instrument kit

SCANDREA Instrument kit

1 Pointer drill

2 Pilot drill

3 Depth gauge

4 Twist drill

5 Tap drill

6 Parallel pin

7 Implant drivers, mechanical D3,3xL6

8 Implant drivers, mechanical D3,3xL12

9 Implant drivers, mechanical D3,8-D4,3xL6

10 Implant drivers, mechanical D3,8-D4,3xL12

11 Implant drivers, mechanical D5,0-D6,0xL6

12 Implant drivers, mechanical D5,0-D6,0xL12

13 Implant drivers, manual D3,3xL6

14 Implant drivers, manual D3,3xL12

15 Implant drivers, manual D3,8-D4,3xL6

16 Implant drivers, manual D3,8-D4,3xL12

17 Implant drivers, manual D5,0-D6,0xL6

18 Implant drivers, manual D5,0-D6,0xL12

19 Gingiva punch ∅4,0xL15

20 Screwdriver, mechanical 6Lt1,27xL10

21 Screwdriver, mechanical 6Lt1,27xL15

22 Screw driver, manual 6Lt1,27xL10

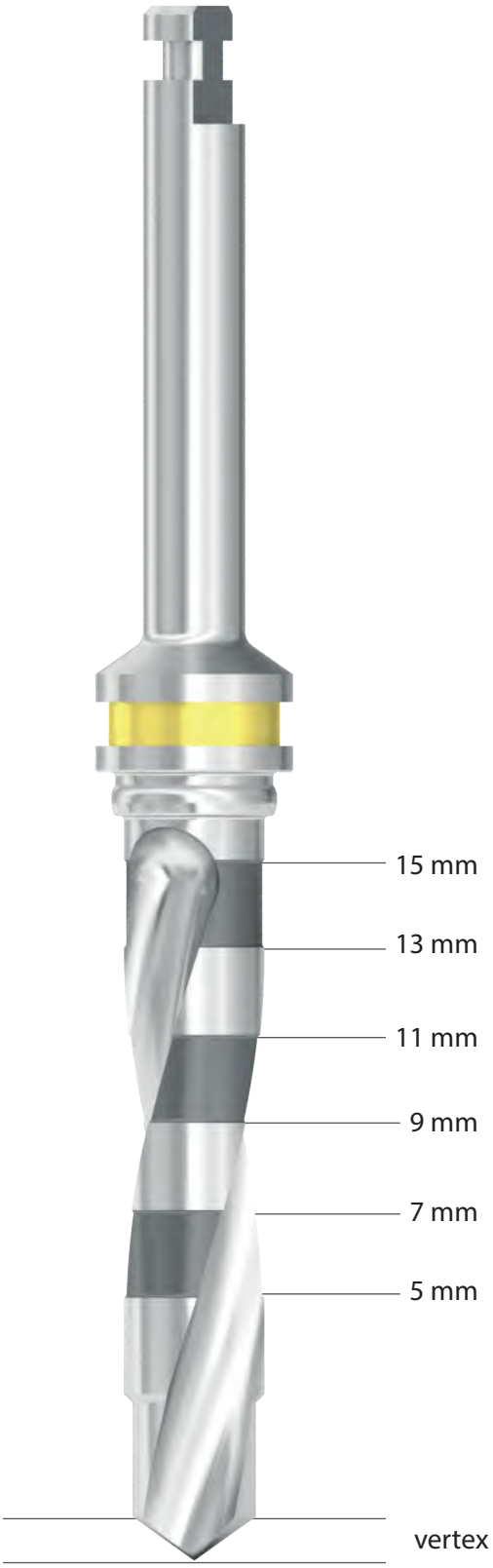
23 Screw driver, manual 6Lt1,27xL15

24 Locator screwdriver

25 Multi-unit/ ball abutment screwdriver - 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.

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

BALL-END DRILL

PILOT DRILL ∅2,0 mm

PILOT DRILL ∅2,5 mm

TWIST DRILL ∅2,8 mm

TAP DRILL ∅3,2 mm

TWIST DRILL ∅3,2 mm

TAP DRILL ∅3,7 mm

TWIST DRILL ∅3,7 mm

TAP DRILL ∅4,3 mm

TWIST DRILL ∅4,2 mm

TAP DRILL ∅5,0 mm

TWIST DRILL ∅5,2 mm

TAP DRILL ∅6,0 mm

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.

2.

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

3.

4.

- 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			**Implant driver, manual** 10-15 Ncm
Healing screw			
Impression coping screw for closed and open tray			
Impression coping for closed and open tray			
Surgical abutment 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
Universal abutmnent, straight			
Universal abutment, angled			
Anatomical abutment , straight			
Anatomical abutment, angled			
Titanium base			
Multi-unit abutment			
Multi-unit SR abutment screw			
Multi-unit abutment, straight			
Multi-unit SR abutment, straight			
Ball retention abutment			
Locator abutment			

BIONIKA

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