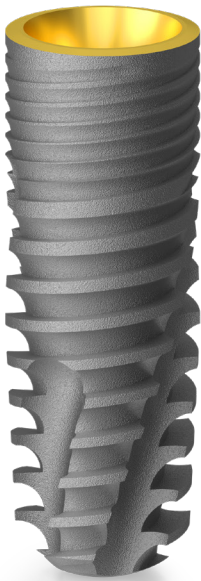
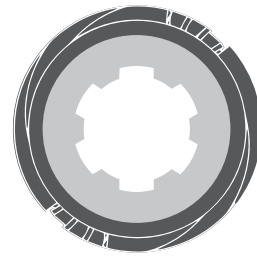
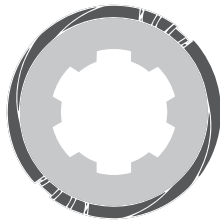
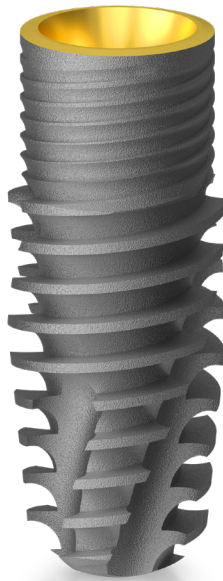




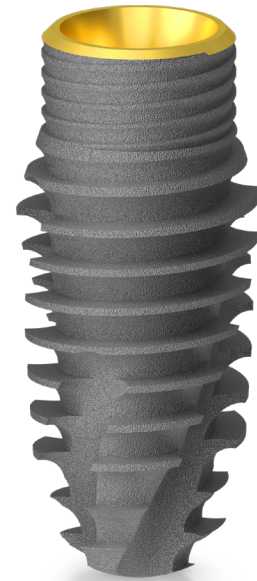
# SCANDREA IMPLANT SYSTEM



SCANDREA



SCANDREA +

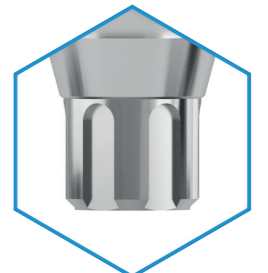
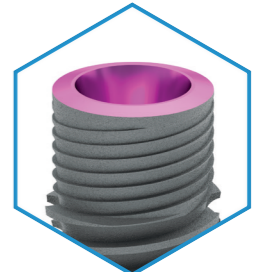
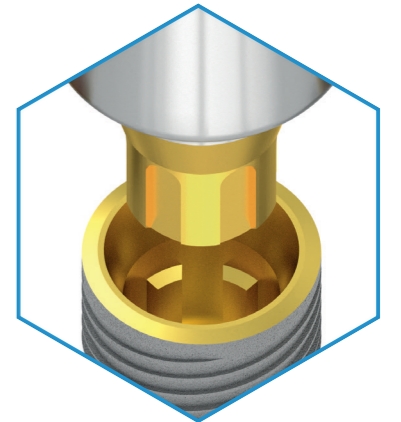
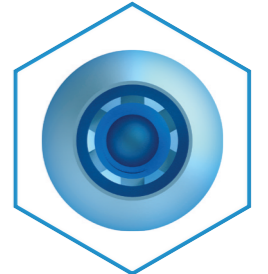


SCANDREA ++



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## About the company

BIONIKA Medline Ltd. 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.

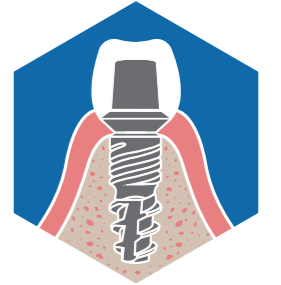
Our company strives to raise wide awareness in Hungary not only about its own products, but also of the state-of-the-art products of our innovative foreign partners. After the insertion of the implant, BIONIKA assumes the risk of the ossification process, regardless of the cause-and-effect relationship, 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.

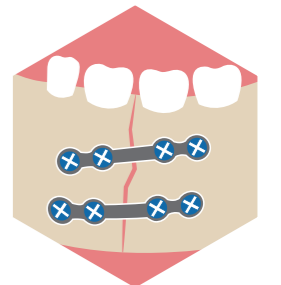
**Development:** Our products are developed in collaboration with doctors and engineers. We manufacture custom-made components based on provided samples.

**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 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.

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.

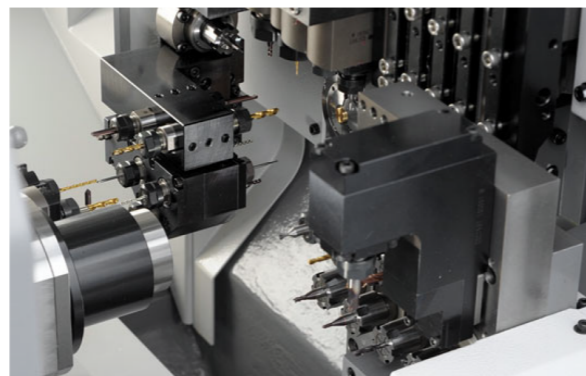
## Quality management and guarantee

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.



## Our Partners



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 2025.

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

## Superclean implant surface

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

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

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

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.

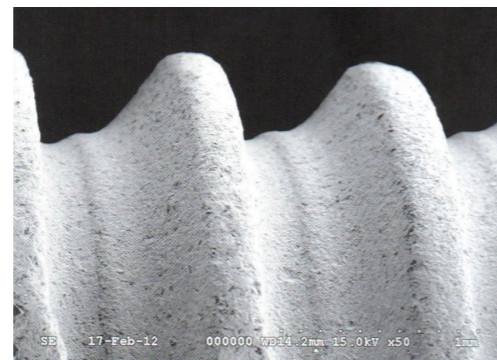
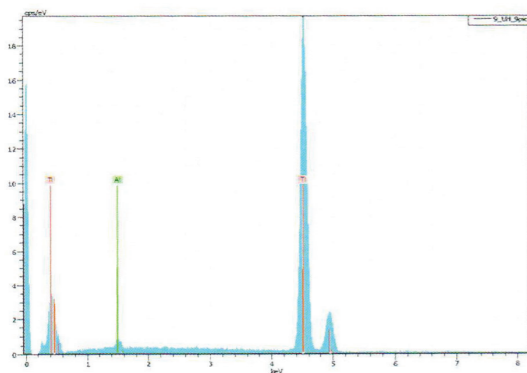


Image of Bionika implant under electron microscope \*



Image of Bionika implant under electron microscope \*



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

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

## Applied raw materials



### Titanium grade 4

#### Chemical composition

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

### Titanium Grade 5

#### Chemical composition

Elements	Threshold limit of constituents(%)
Al	5,5-6,75 max.
V	3,5-4,5 max.
Fe	0,3 max.
O	0,2 max.
C	0,08 max.
N	0,05 max.
H	0,015 max.
Ti	balance

### CoCr

#### Chemical composition

Elements	Threshold limit of constituents(%)
C	0,1 max.
Si	1,0 max.
Mn	1,0 max.
P	0,005 max.
S	0,005 max.
Cr	30, 0 max.
Mo	7,0 max.
Ni	1,0 max.
Co	-
N	0,2250 max.

### Plastics

**POM** (polyoxymethylene) : Thermoplastic synthetic plastic, Excellent properties eg: high hardness, low wear, good flexibility, little absorbing ability. Density: 1.41 g / cm<sup>3</sup>. 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 / cm<sup>3</sup> Tensile strength: 115 Mpa. elongation at break: min. 17% Its colour is natural brownish gray.

### Mechanical properties

solidity	680 MPa min.
dilation	10 %

According to the ISO 5832-2 standard.

### Mechanical properties

solidity	860 MPa min.
dilation	10 %

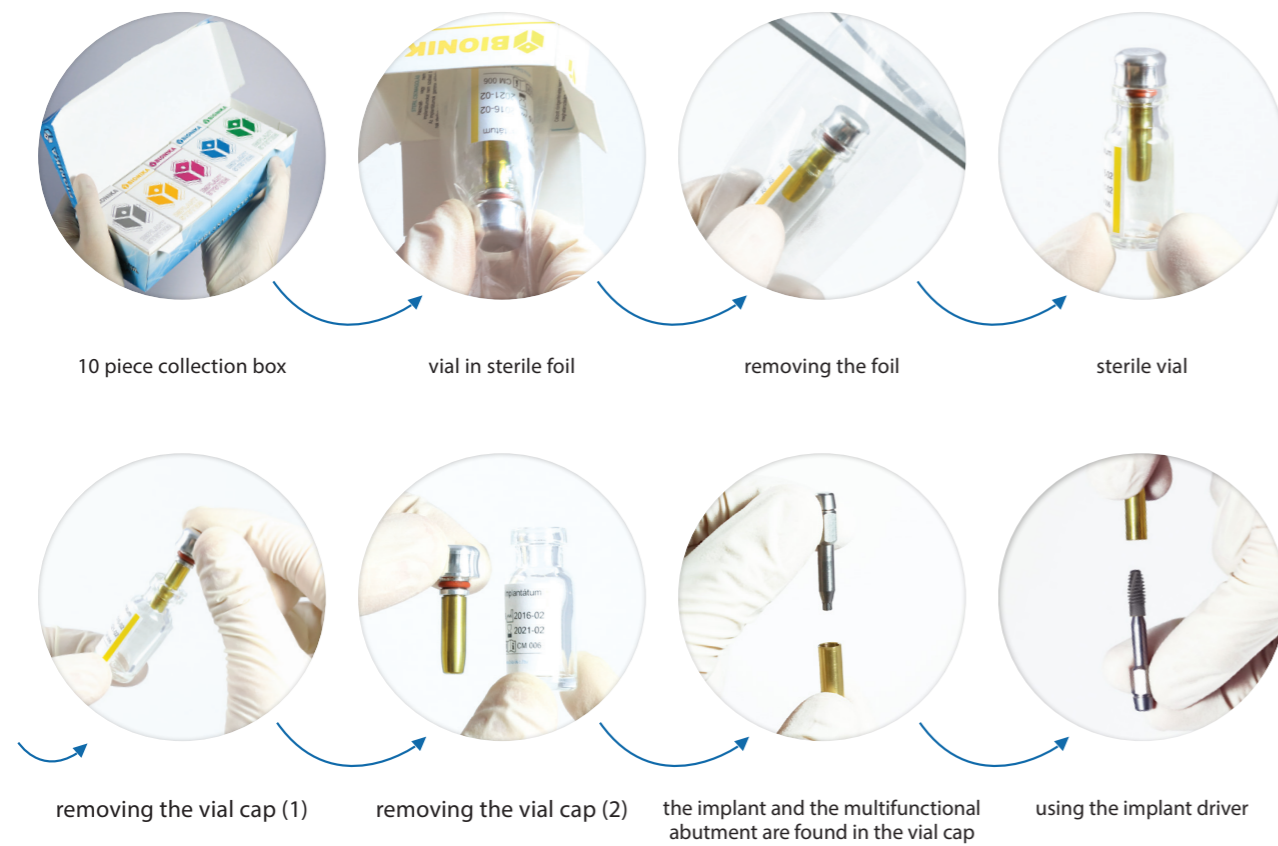
According to the ISO 5832-3 standard.

### Mechanical properties

solidity	1240,00 MPa min.
elongation limit	900,00 min.
elongation at break	18,00 min.
fracture contraction	23,00 min.

According to the ISO 5832-12 standard.

## SCANDREA packaging



### BULK BOX

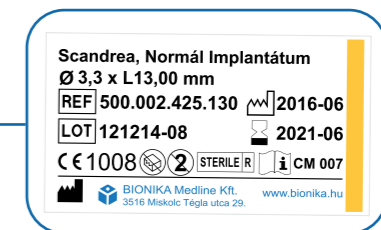
Depending on the order quantities, collection boxes with 5 and 10 pieces are applied.

## SCANDREA packaging



### VIAL

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



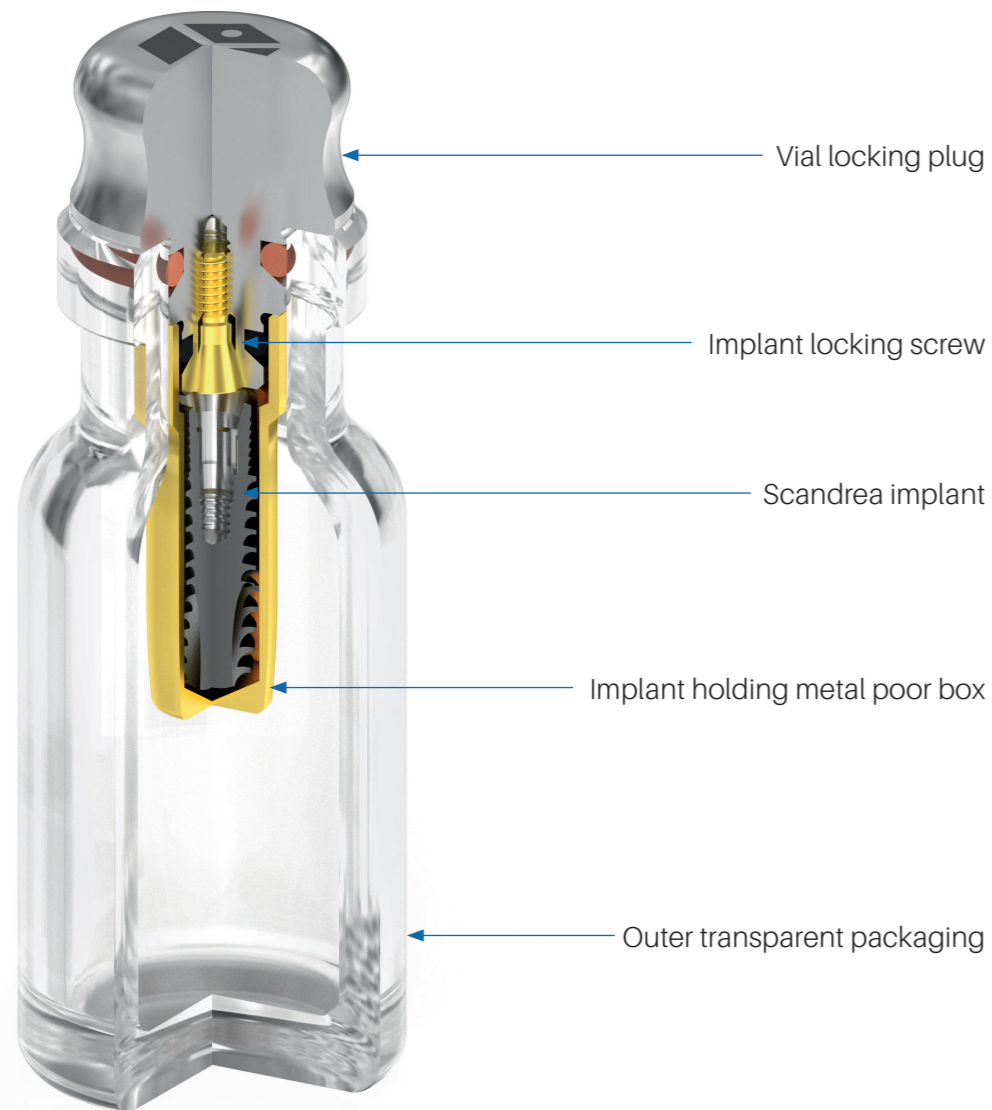
### PAPER BOX

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.

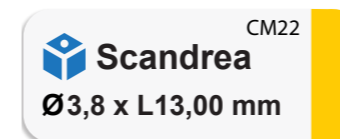


## SCANDREA product labels and their notation

Differential platform diameters by colour and diameter (mm):

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

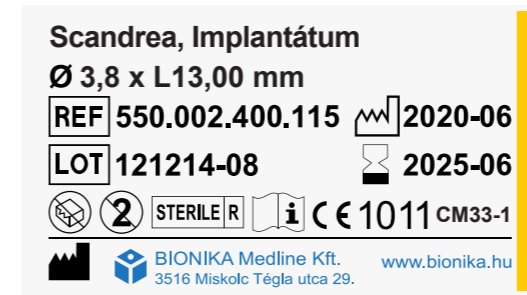
The side of the box:



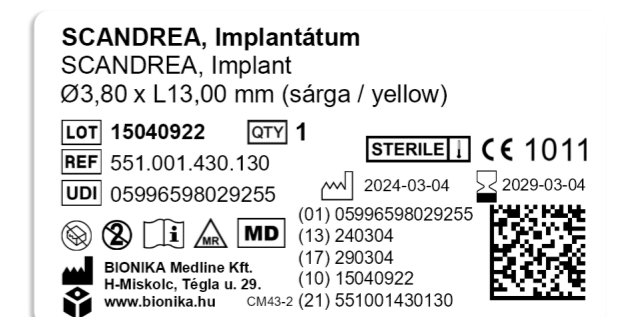
Top of the box:



On the vial:

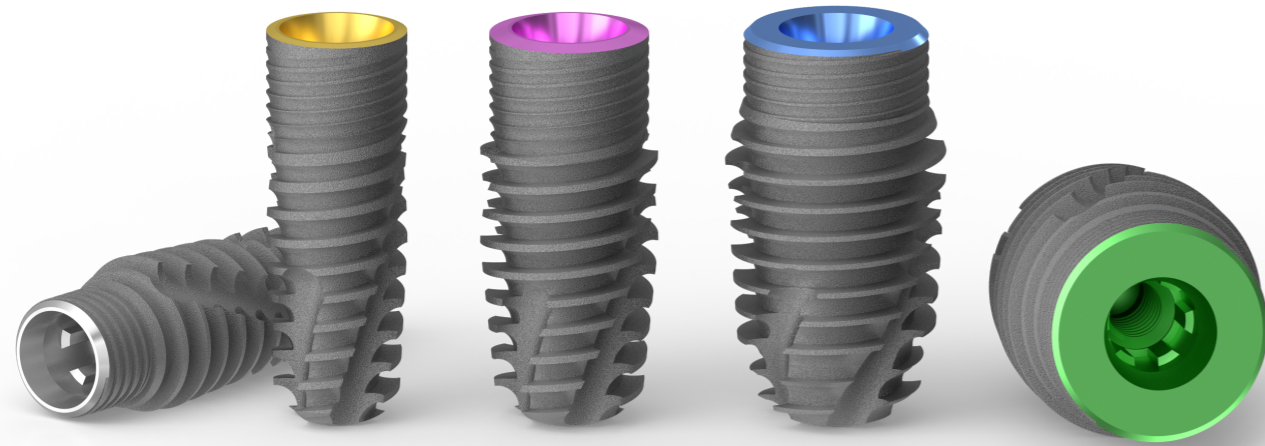


The back of the box:



Explanation of symbols:

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

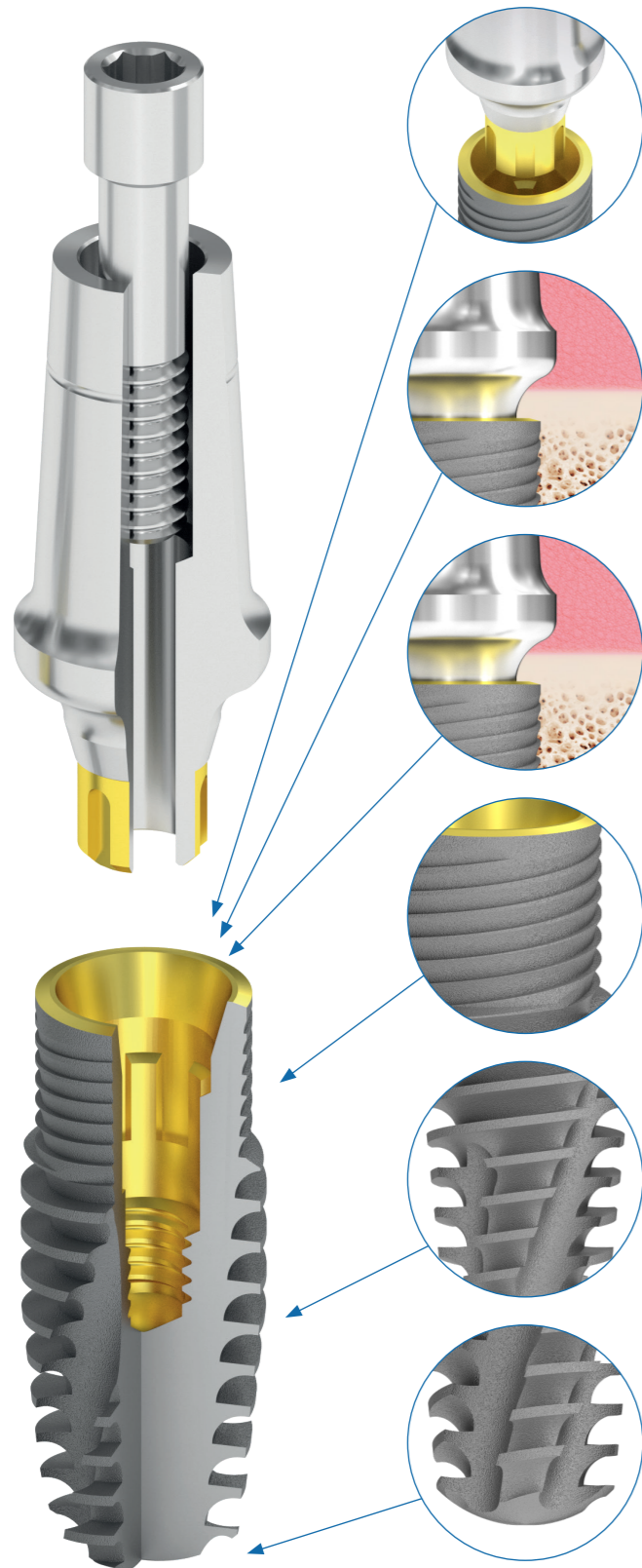


# SCANDREA IMPLANT SYSTEM

## IMPLANTS

# 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

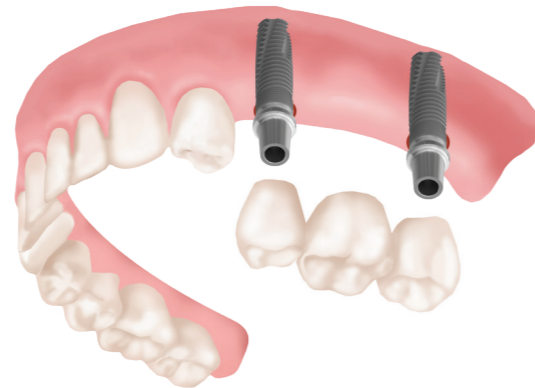


### In the case of one tooth deficiency

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

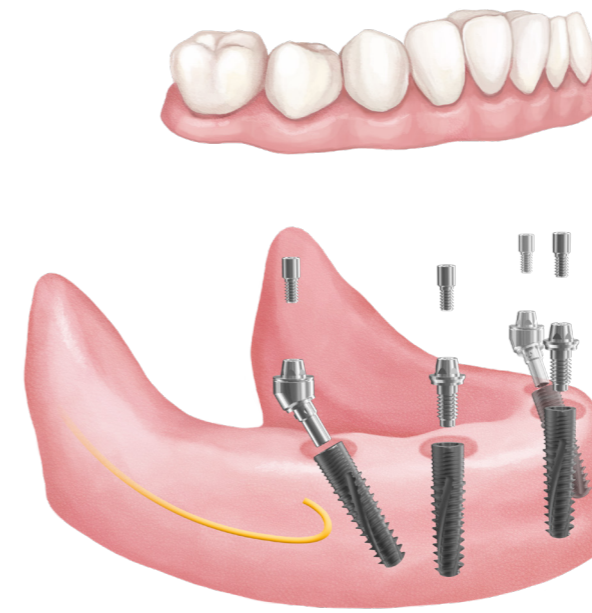
In this case the patient has no teeth and a full denture can be made. One solution in this case is removable dentures:

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.

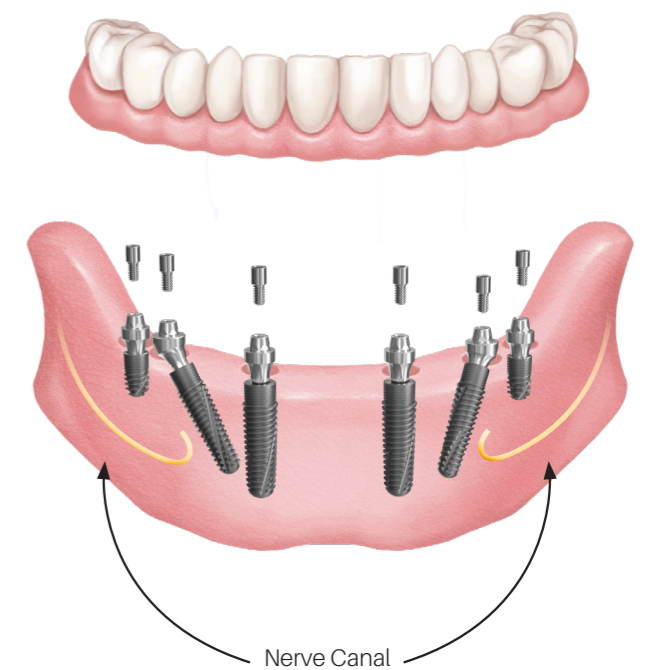
- The temporary denture can be inserted on the day of surgery.
- Immediate improvement in function, speech and aesthetics.
- Treatment time is shorter and costs can be lower compared to traditional implant placement methods.
- Tilting posterior implants can be better fixed into the anterior bone. This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

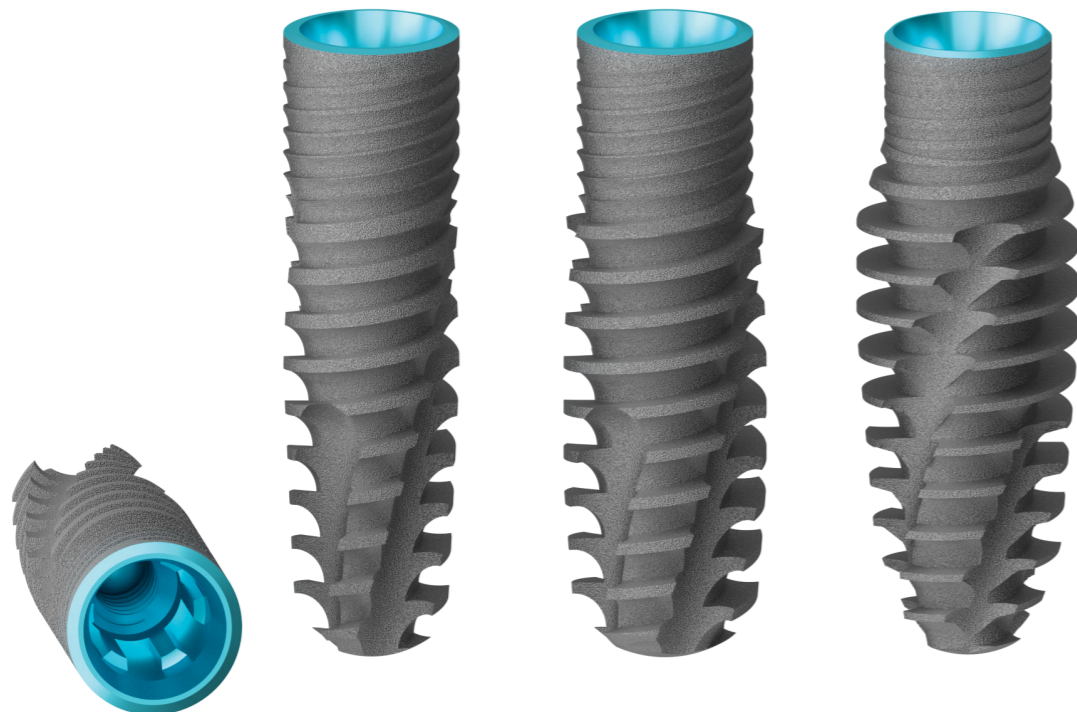
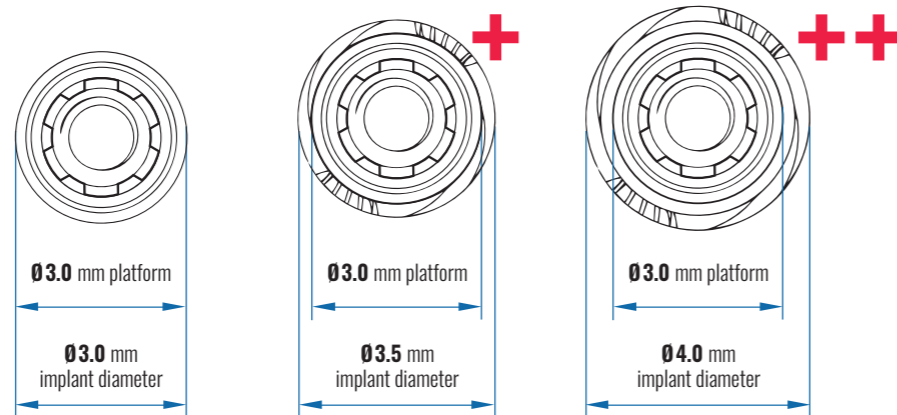
- The use of angled implants allows longer implants to be used by bypassing the nerve canal.
- The use of longer implants allows the bone and the implant to come into contact over a larger surface area, thus avoiding the need for bone grafting.
- Favorable bone level for angled and axial implants.
-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



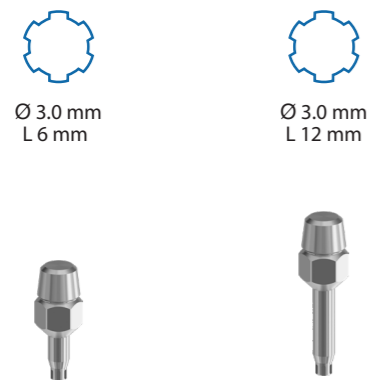
Safe Concept

## SCANDREA Implants with Ø3.0 platform

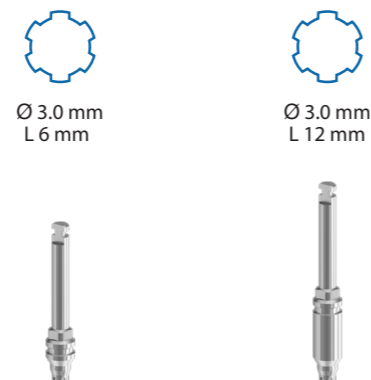
The thin Scandrea implants with Ø3.0 mm, Ø3.5 mm and Ø4.0 mm diameter and Ø3.0 mm platform is exceptionally suitable in the case of thinner than average bone structures for keeping the toothworks on the long run. The raw material of it is homogeneous titanium alloy with a high density.



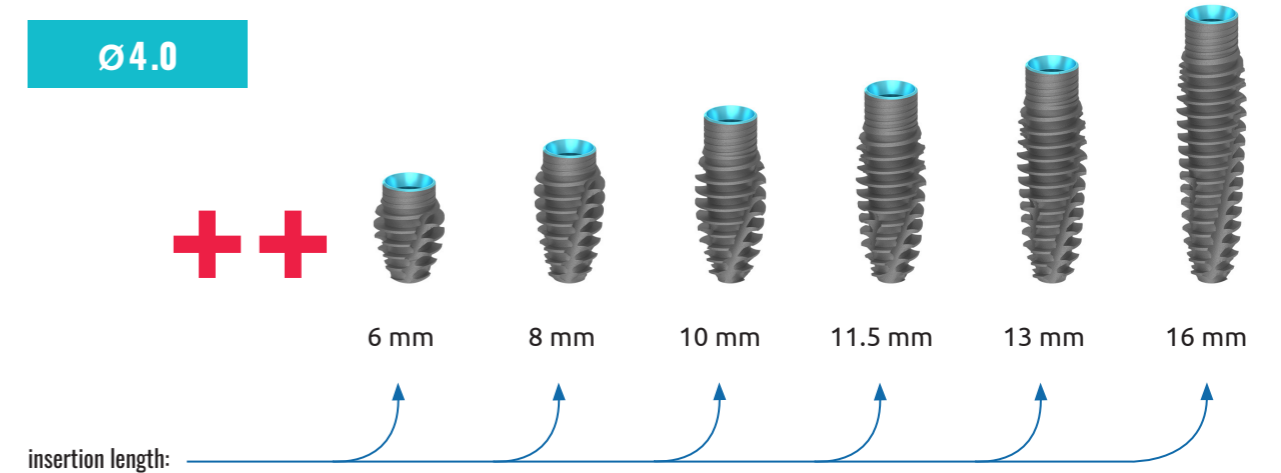
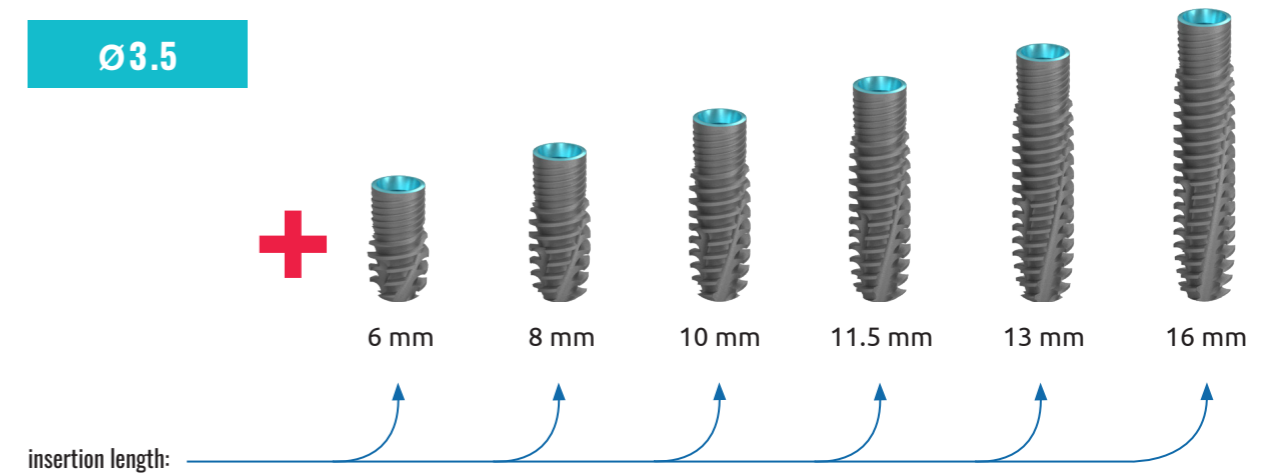
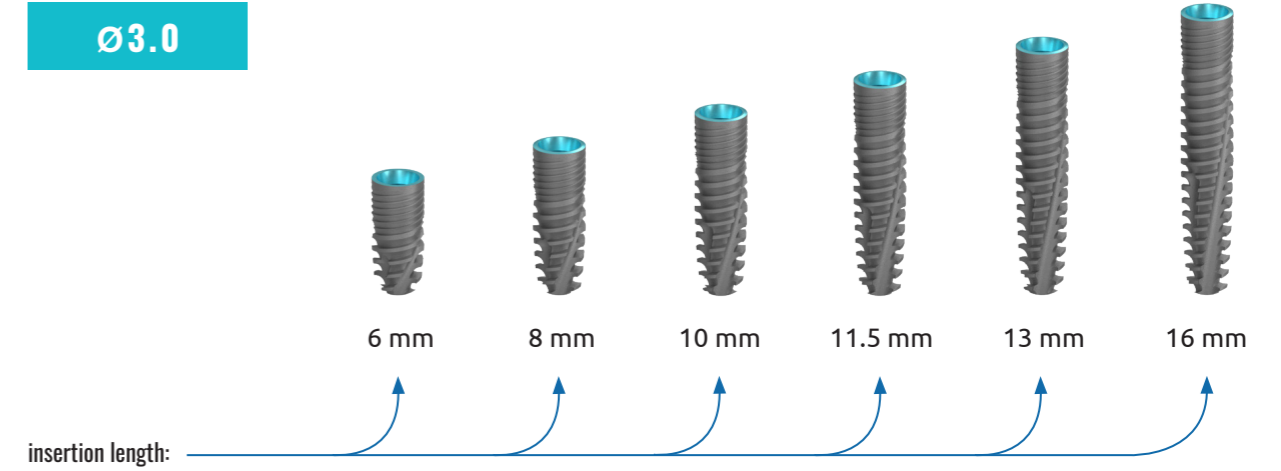
### SCANDREA MANUAL IMPLANT KEY DRIVER



### SCANDREA MECHANICAL IMPLANT KEY DRIVER

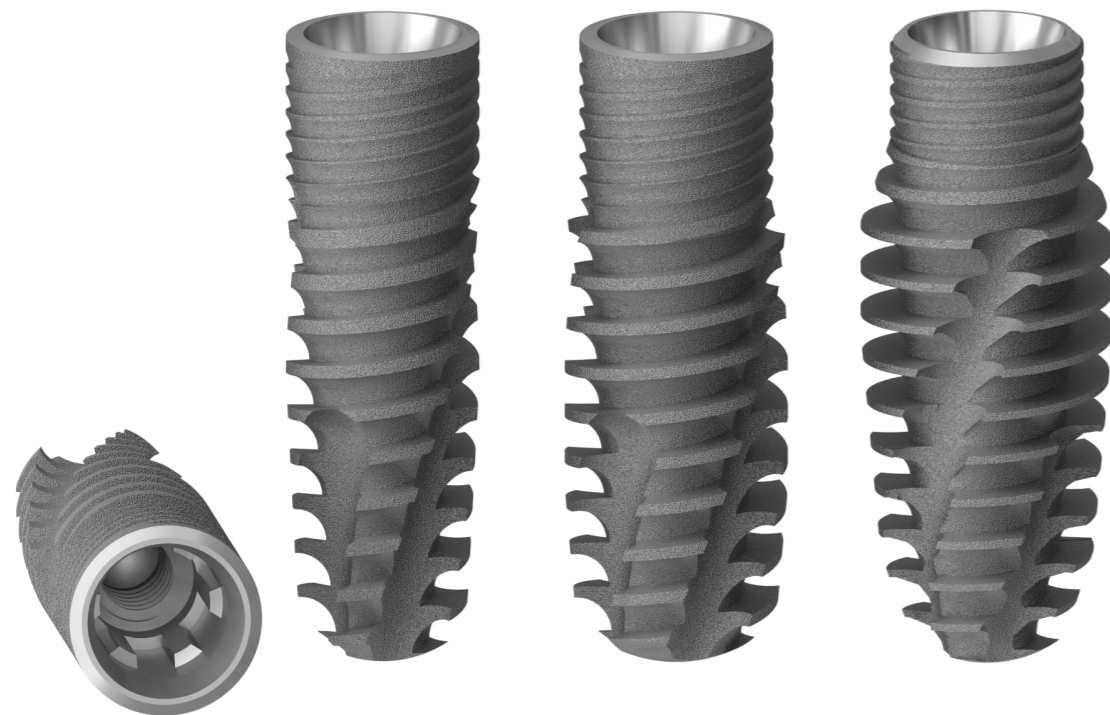
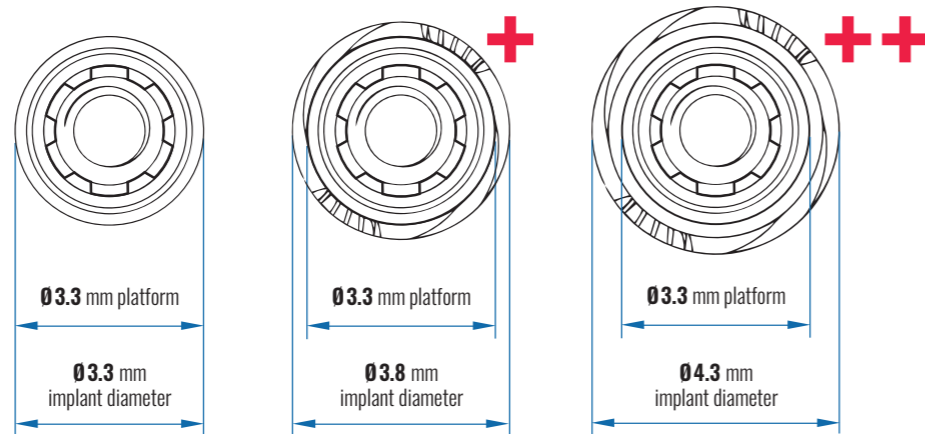


## Sizes available of the implant with Ø2.8 mm platform



## 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



Ø 3.3 mm  
L 6 mm



Ø 3.3 mm  
L 12 mm



Ø 3.3 mm  
L 6 mm

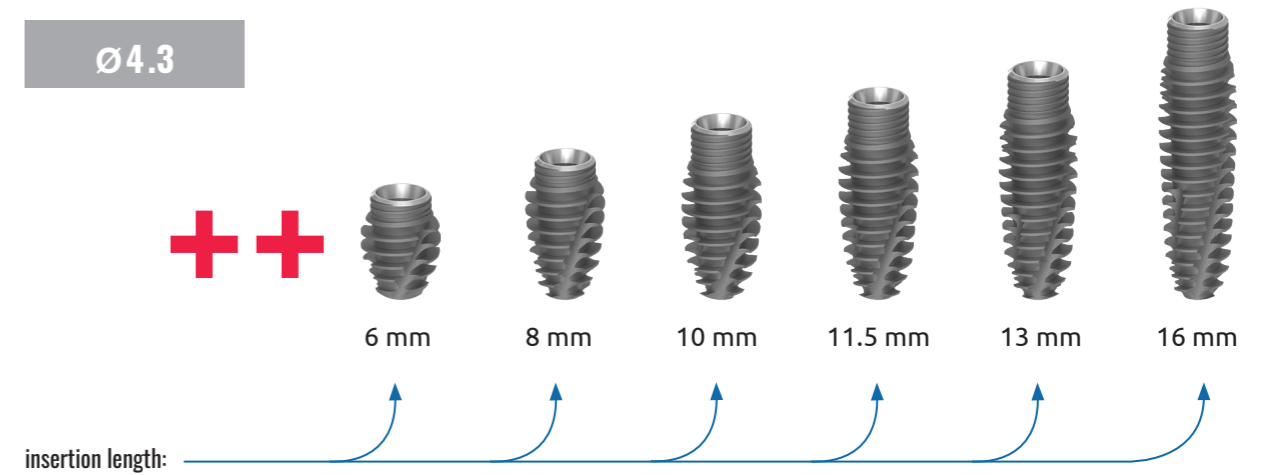
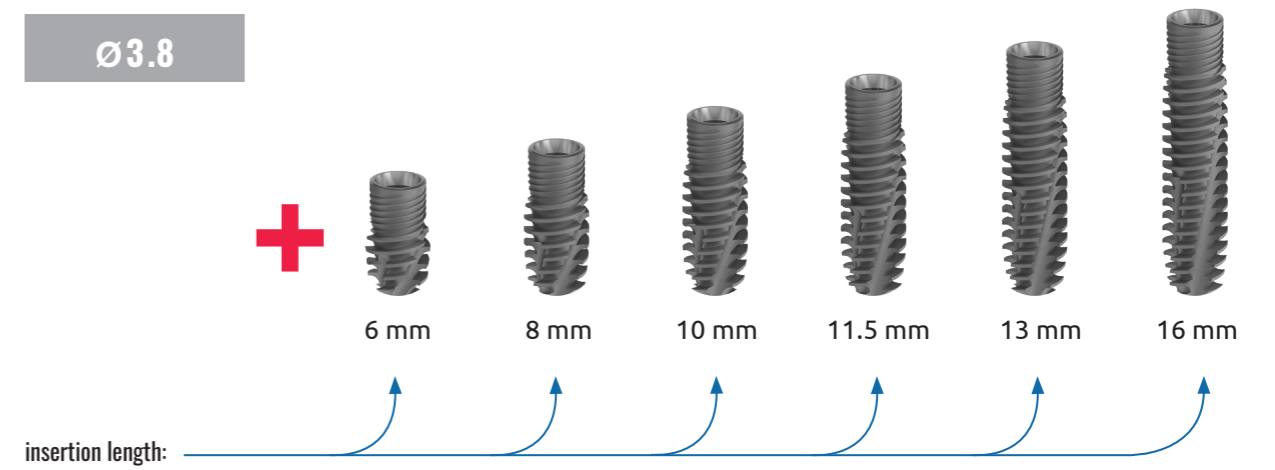
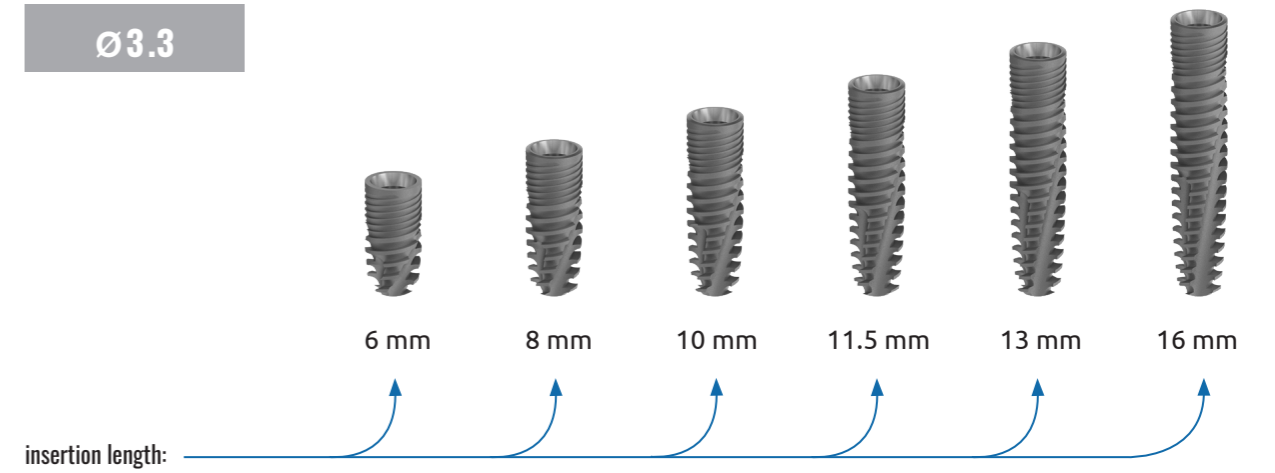


Ø 3.3 mm  
L 12 mm



### SCANDREA MECHANICAL IMPLANT KEY DRIVER

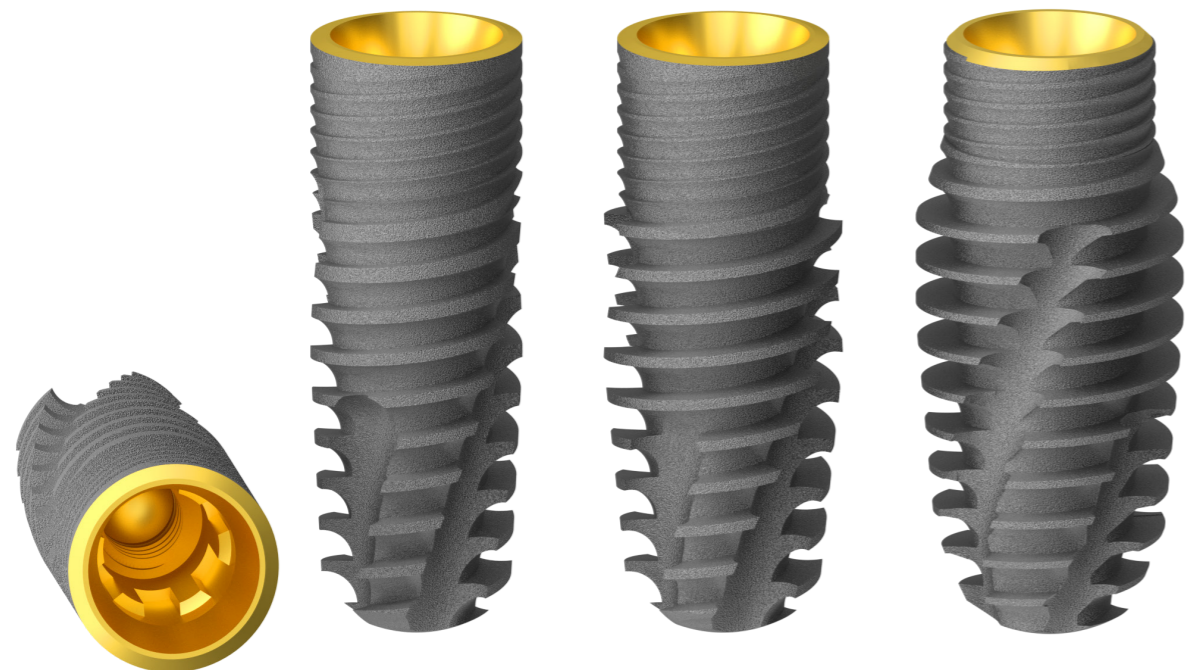
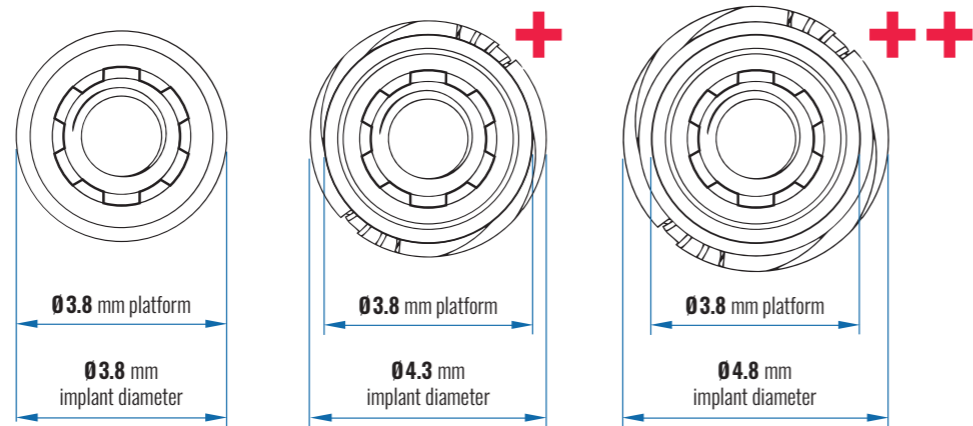
## Sizes available of the implant with Ø3.3 mm platform



## 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 occurring cases can be covered with this type.

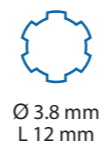
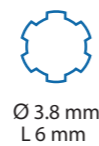
The raw material of it is homogeneous titanium alloy with a high density.



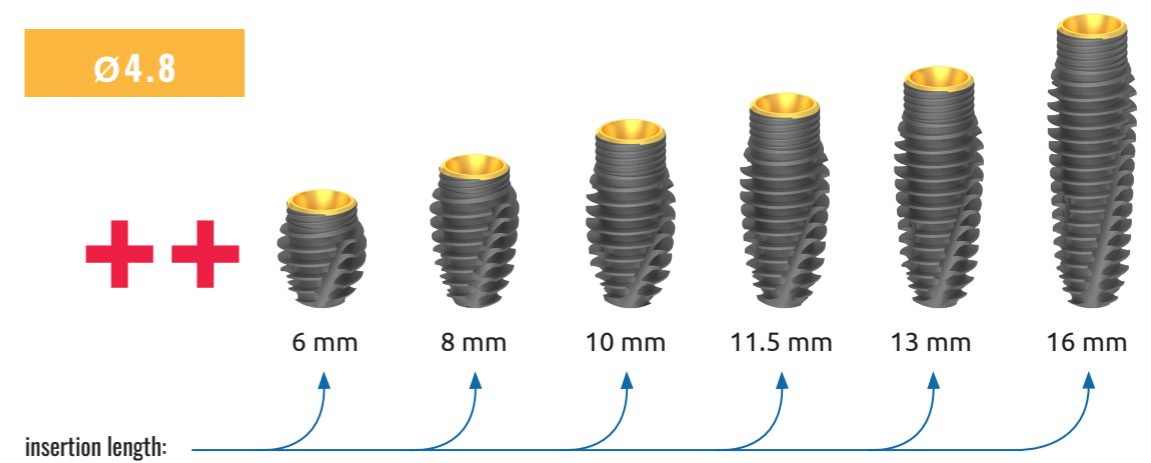
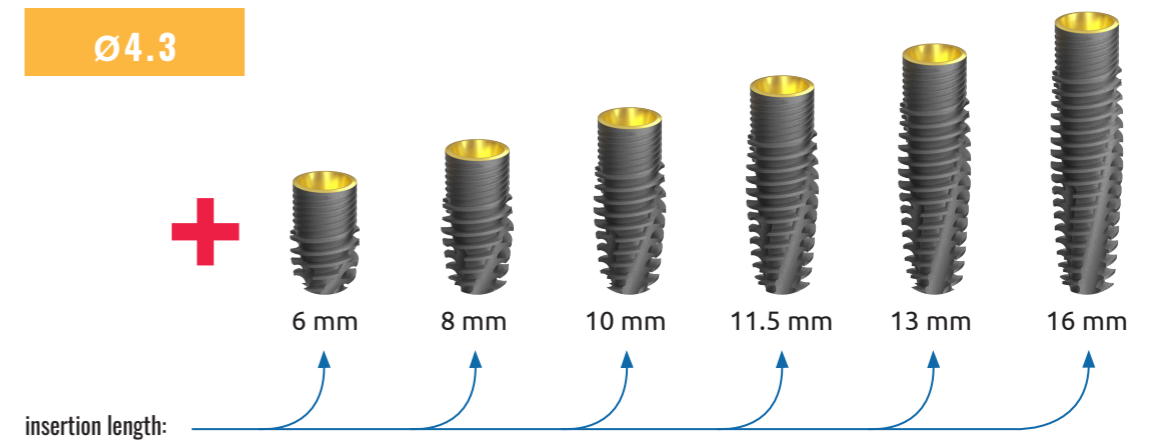
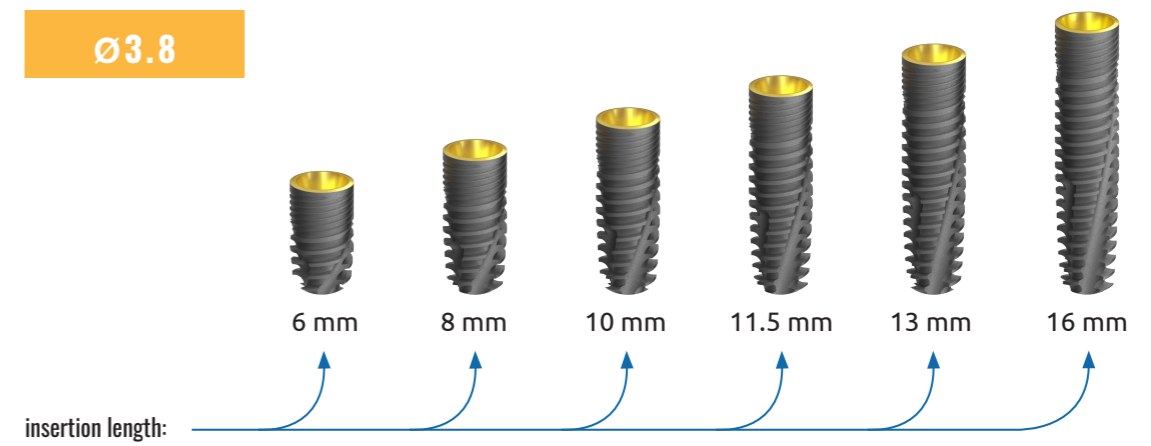
### SCANDREA MANUAL IMPLANT KEY DRIVER



### SCANDREA MECHANICAL IMPLANT KEY DRIVER



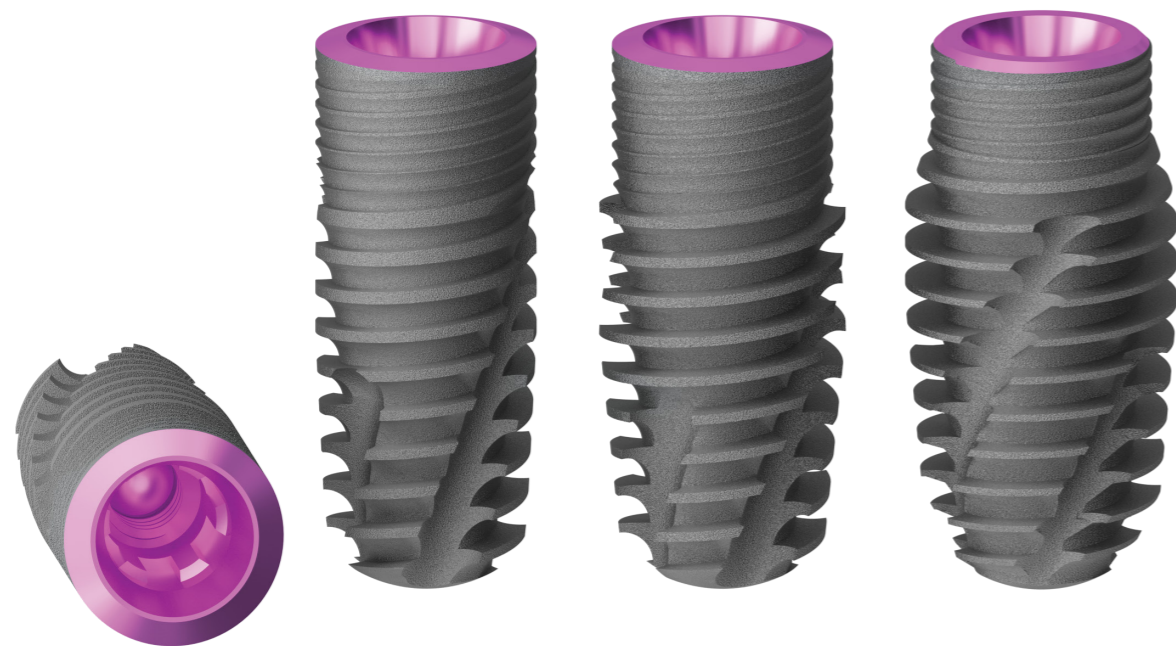
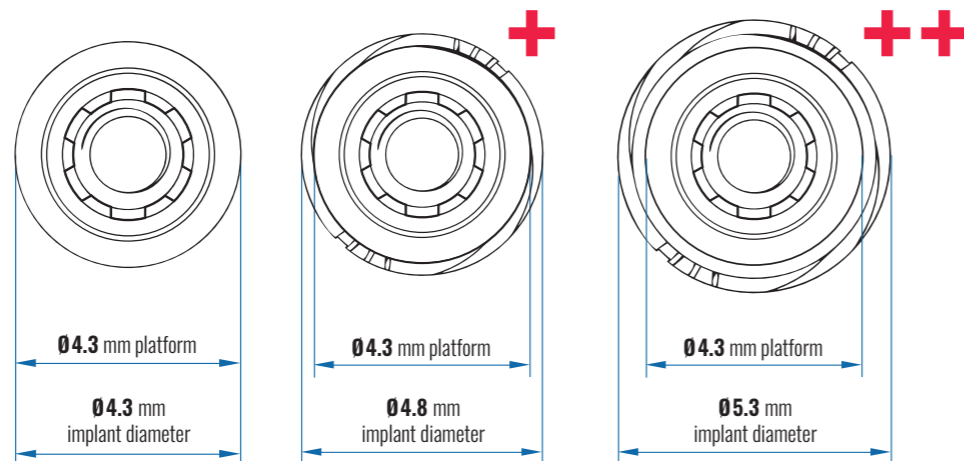
## Sizes available of the implant with Ø3.8 mm platform



## 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 occurring cases can be covered with this type.

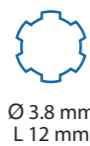
The raw material of it is homogeneous titanium alloy with a high density.



### SCANDREA MANUAL IMPLANT KEY DRIVER



Ø 3.8 mm  
L 6 mm



Ø 3.8 mm  
L 12 mm



Ø 3.8 mm  
L 6 mm

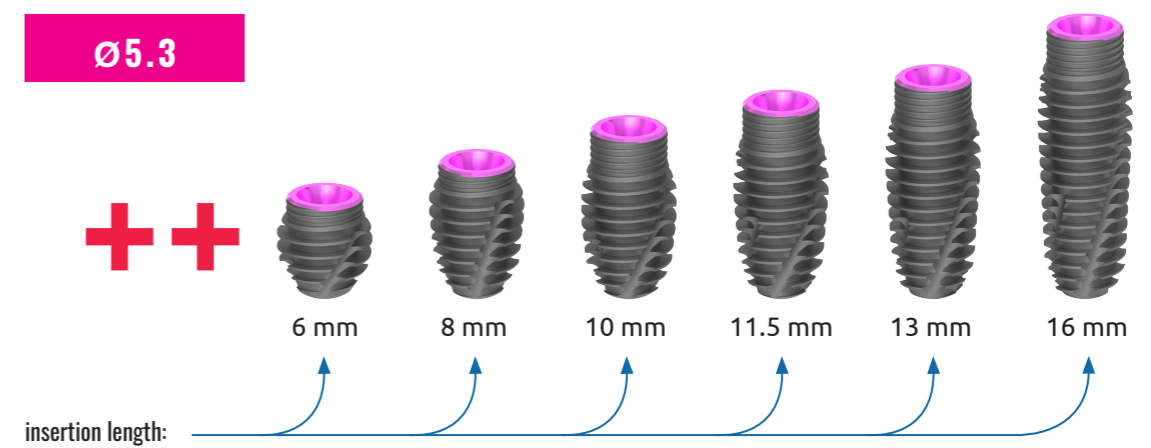
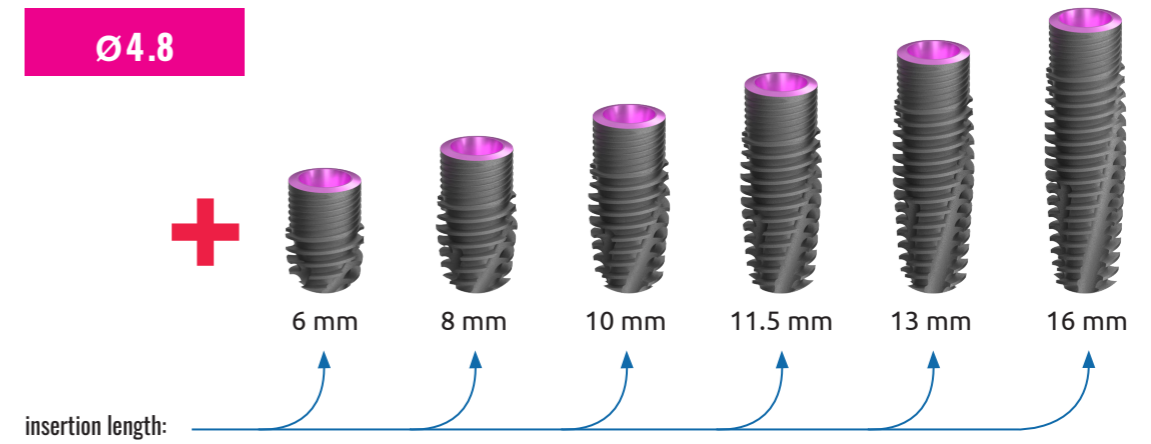
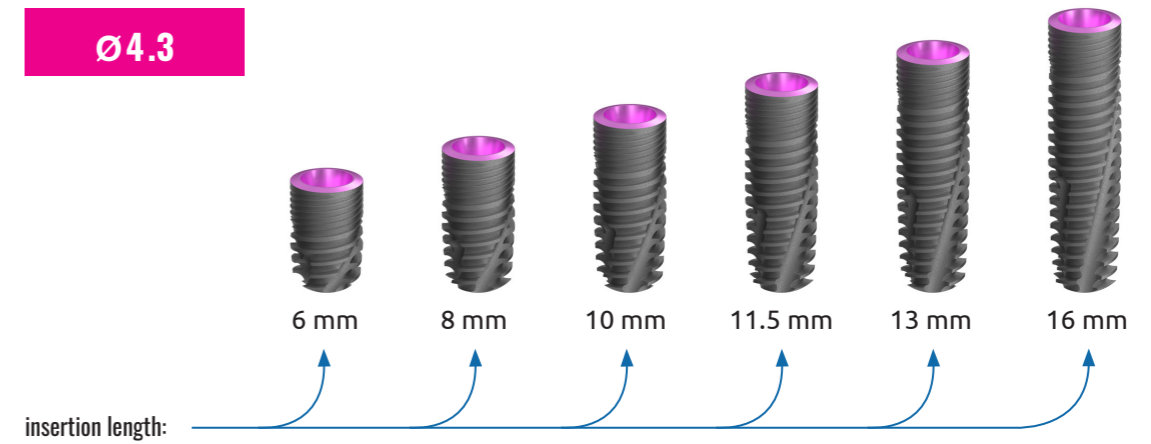


Ø 3.8 mm  
L 12 mm



### SCANDREA MECHANICAL IMPLANT KEY DRIVER

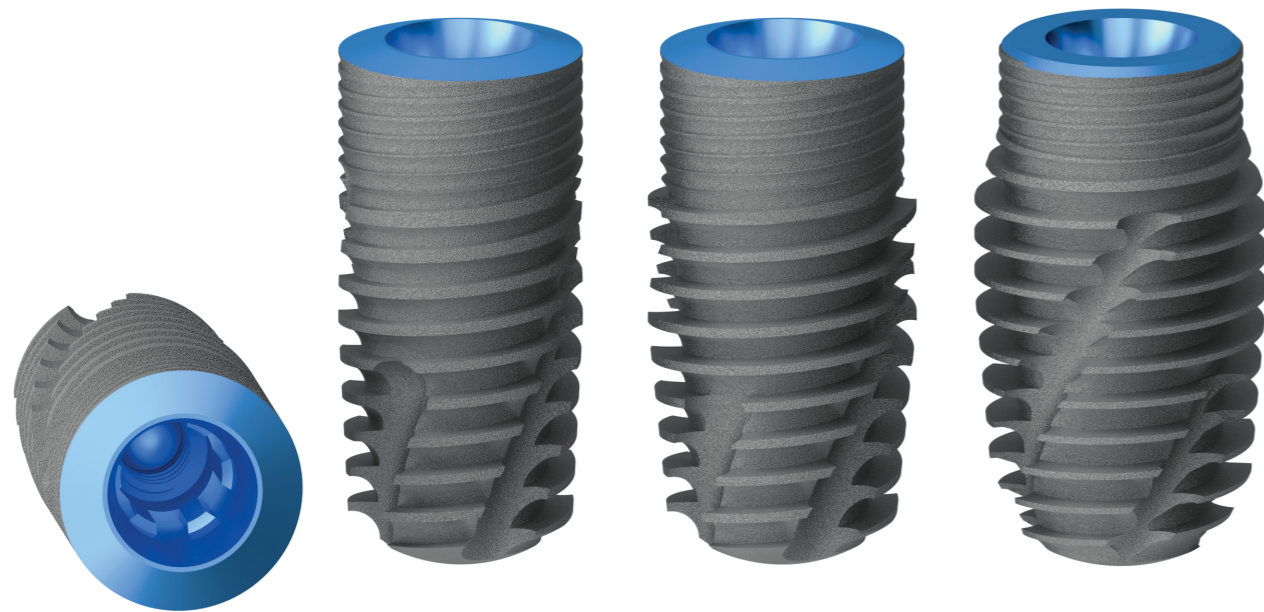
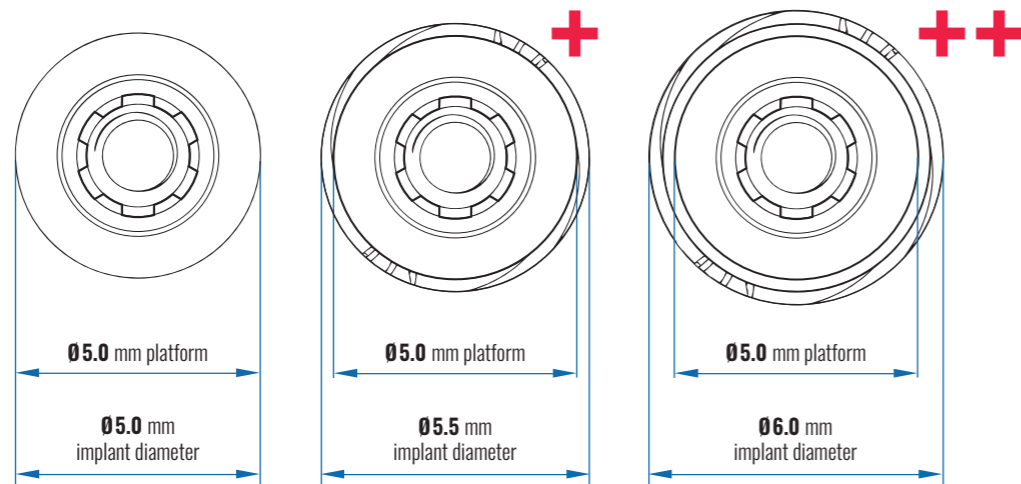
## Sizes available of the implant with Ø4.3 mm platform



## 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.

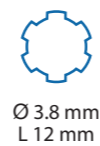
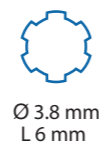
The raw material of it is homogeneous titanium alloy with a high density.



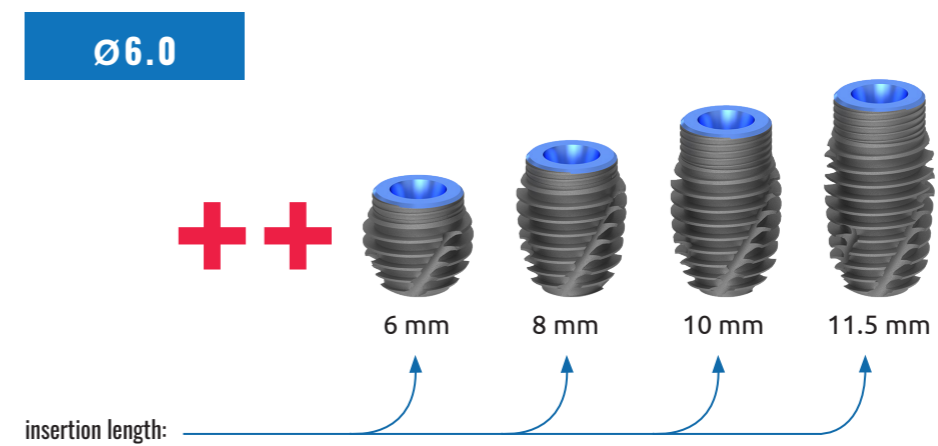
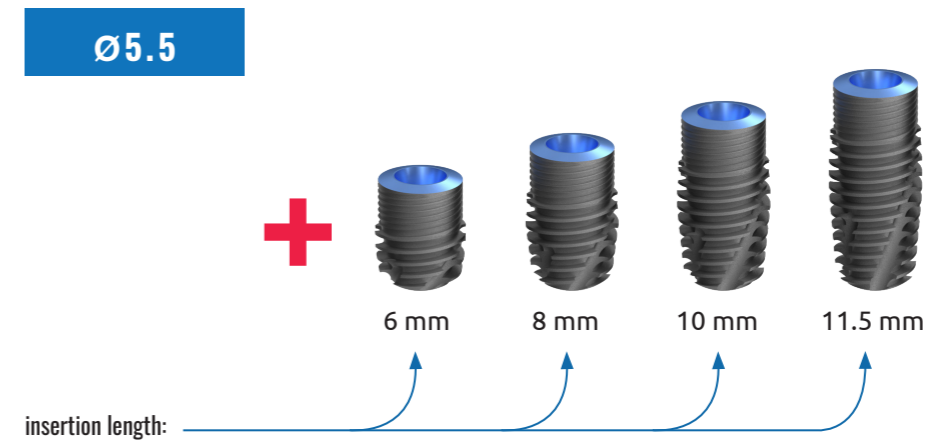
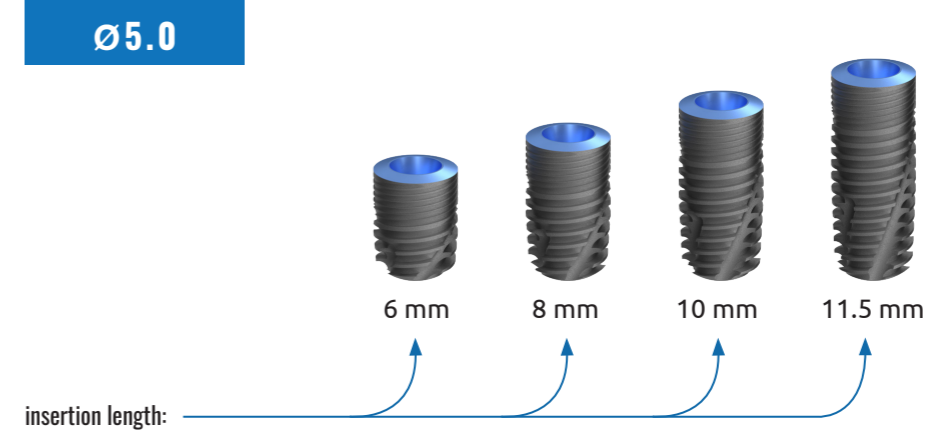
### SCANDREA MANUAL IMPLANT KEY DRIVER



### SCANDREA MECHANICAL IMPLANT KEY DRIVER



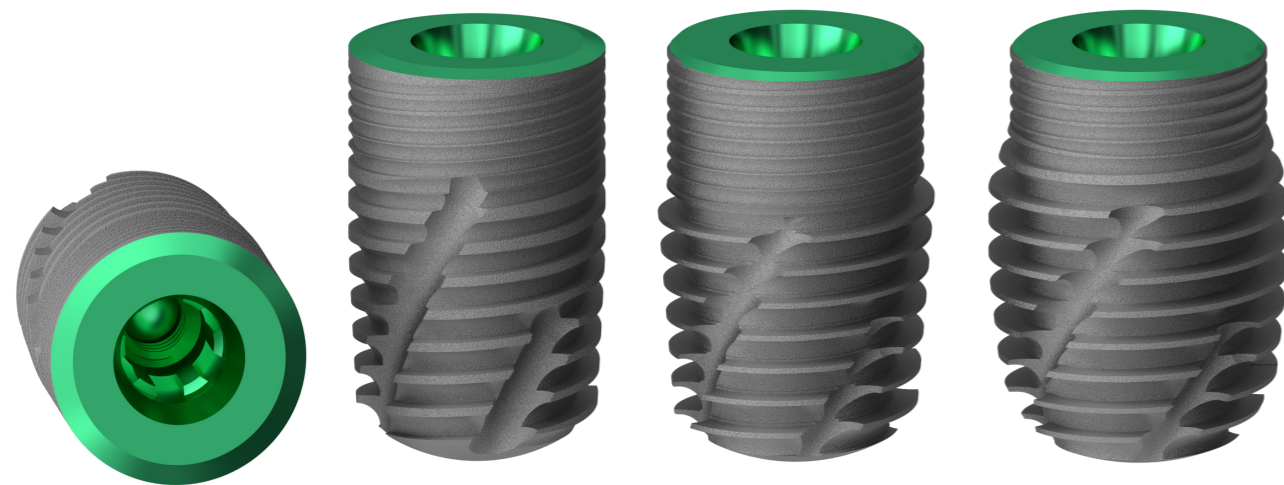
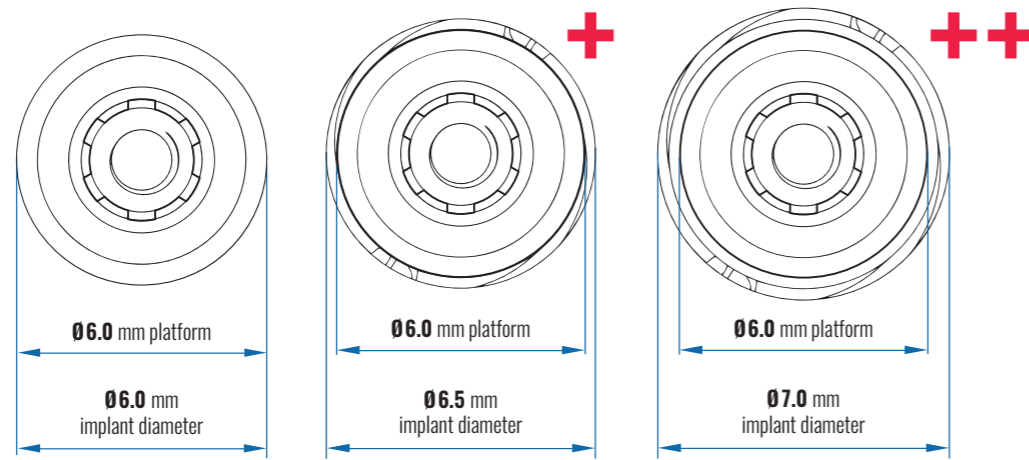
## Sizes available of the implant with Ø5.0 mm platform



## 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

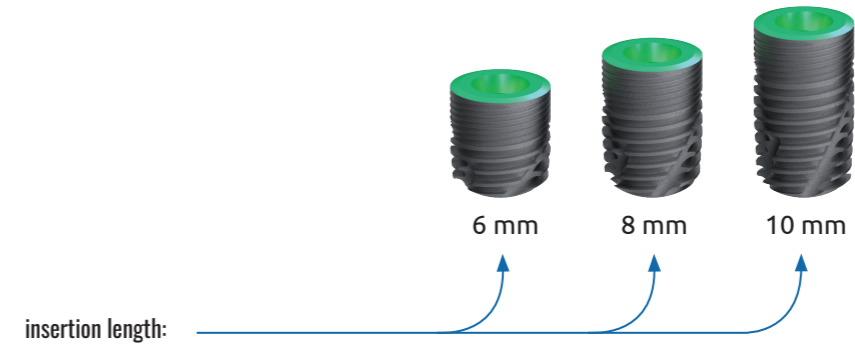


### SCANDREA MECHANICAL IMPLANT KEY DRIVER

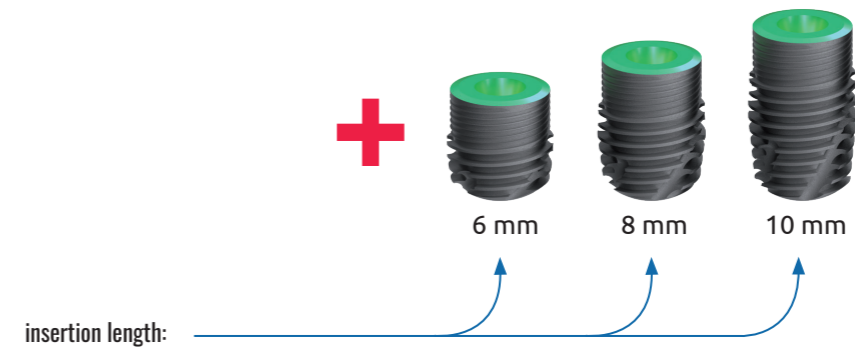


## Sizes available of the implant with Ø6.0 mm platform

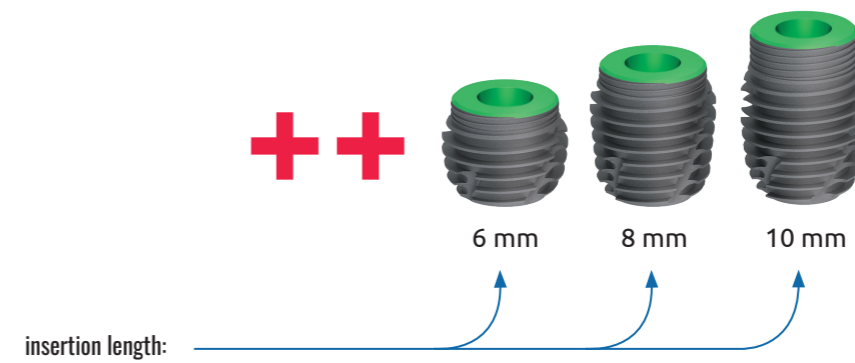
Ø6.0



Ø6.5






Ø7.0

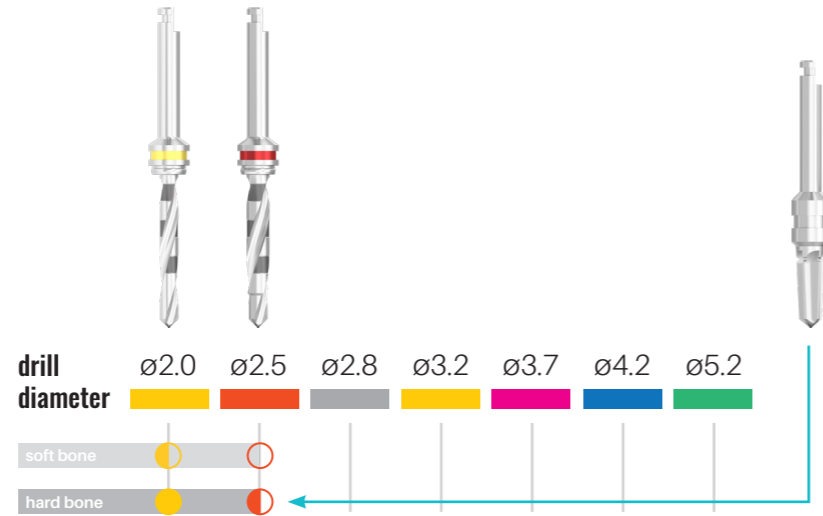


# The drilling protocol of the Scandrea implants

**implant diameter**  $\varnothing 2.8$




Drilling indicators:

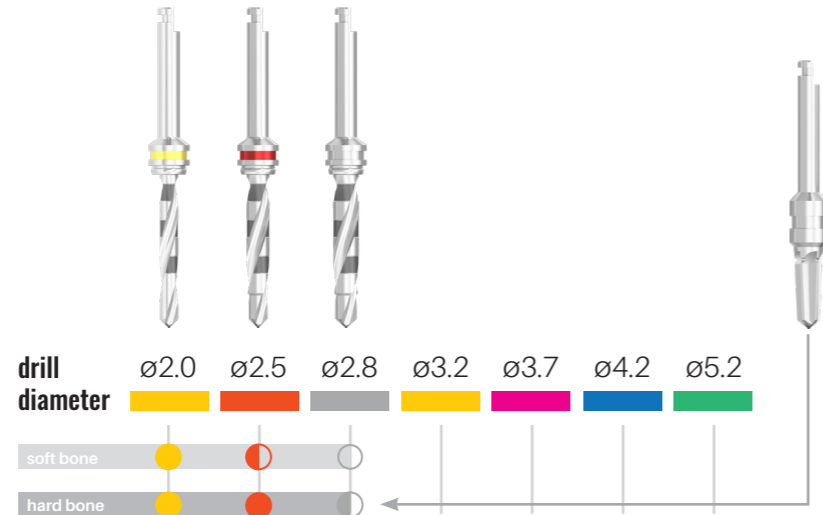
-  - alternatively used
-  - 1/2 length drilling alternatively
-  - 3/4 or full length drilling recommended



**implant diameter**  $\varnothing 3.3$




Drilling indicators:

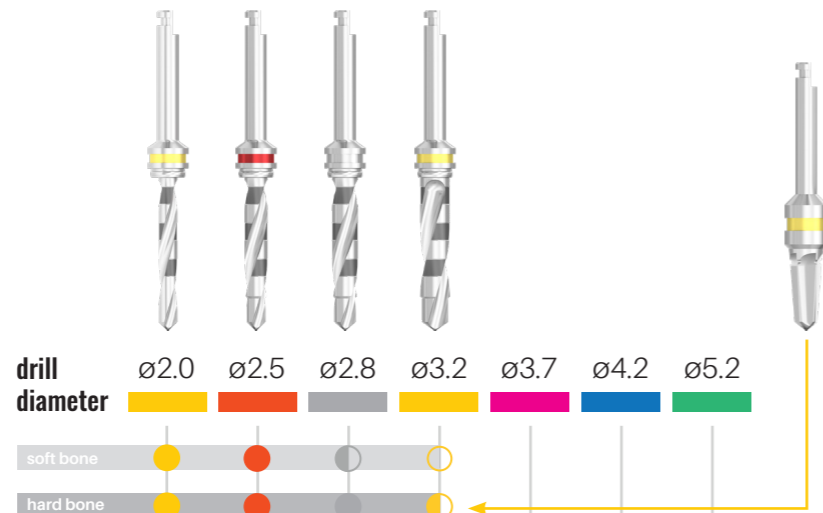
-  - alternatively used
-  - 1/2 length drilling alternatively
-  - 3/4 or full length drilling recommended



**implant diameter**  $\varnothing 3.8$




Drilling indicators:

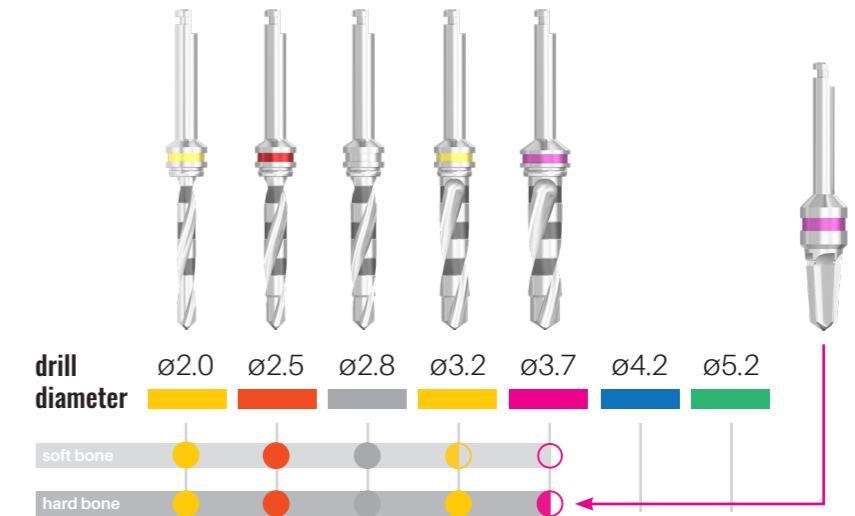
-  - alternatively used
-  - 1/2 length drilling alternatively
-  - 3/4 or full length drilling recommended



**implant diameter**  $\varnothing 4.3$




Drilling indicators:

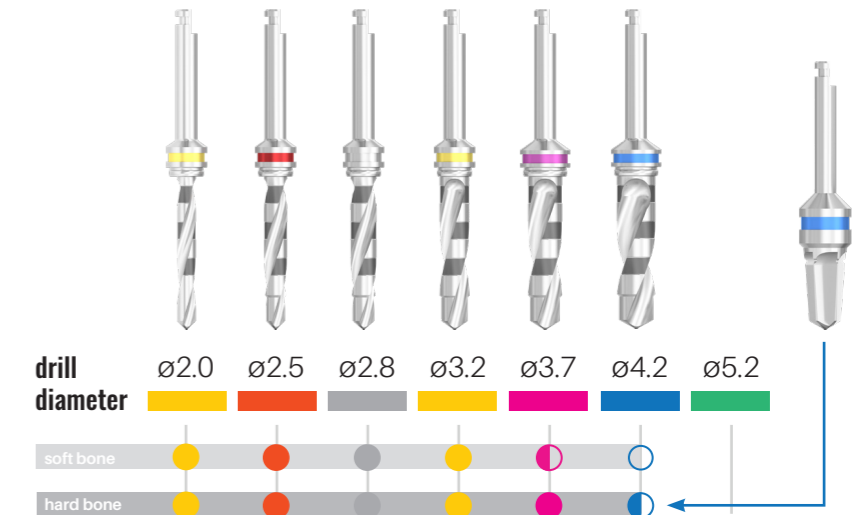
-  - alternatively used
-  - 1/2 length drilling alternatively
-  - 3/4 or full length drilling recommended



**implant diameter**  $\varnothing 5.0$




Drilling indicators:

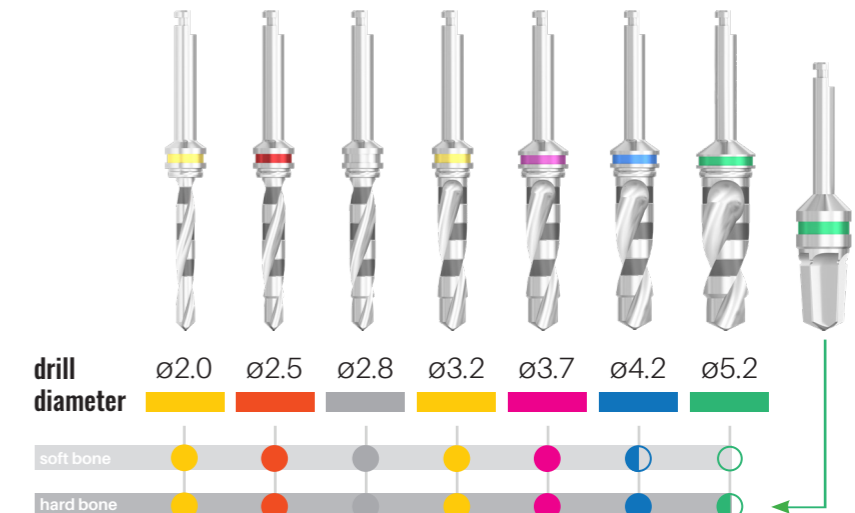
-  - alternatively used
-  - 1/2 length drilling alternatively
-  - 3/4 or full length drilling recommended



**implant diameter**  $\varnothing 6.0$

Drilling indicators:

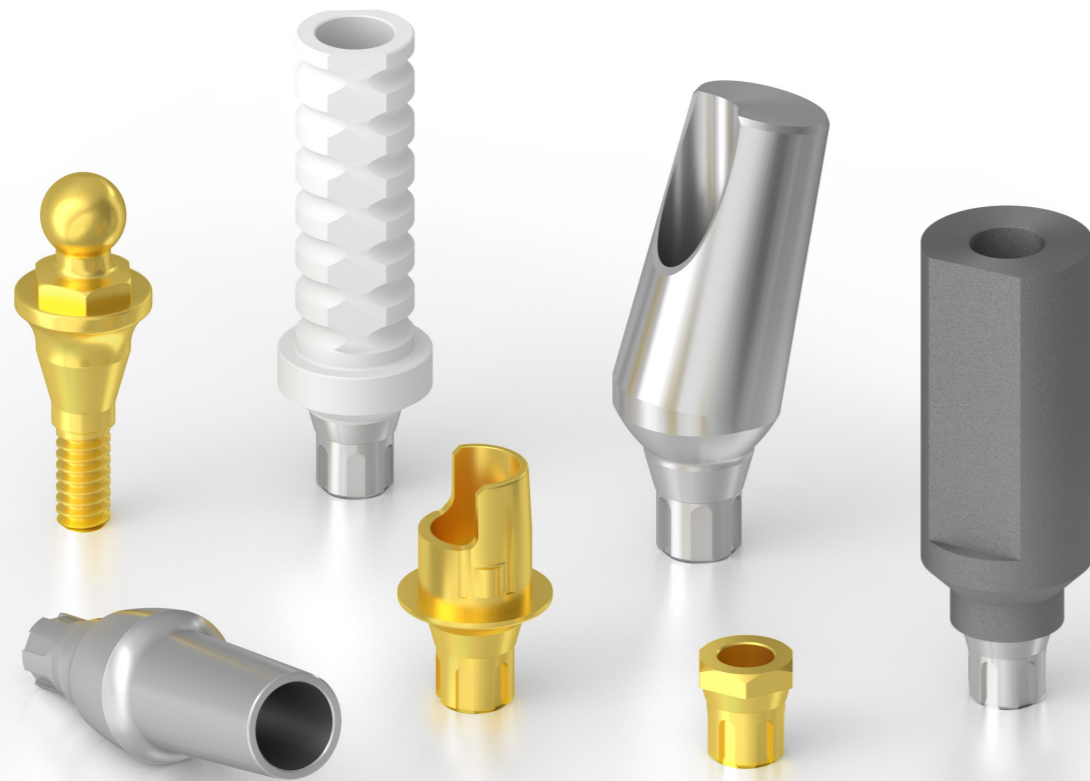
-  - alternatively used
-  - 1/2 length drilling alternatively
-  - 3/4 or full length drilling recommended





# SCANDREA IMPLANT SYSTEM

## ABUTMENTS

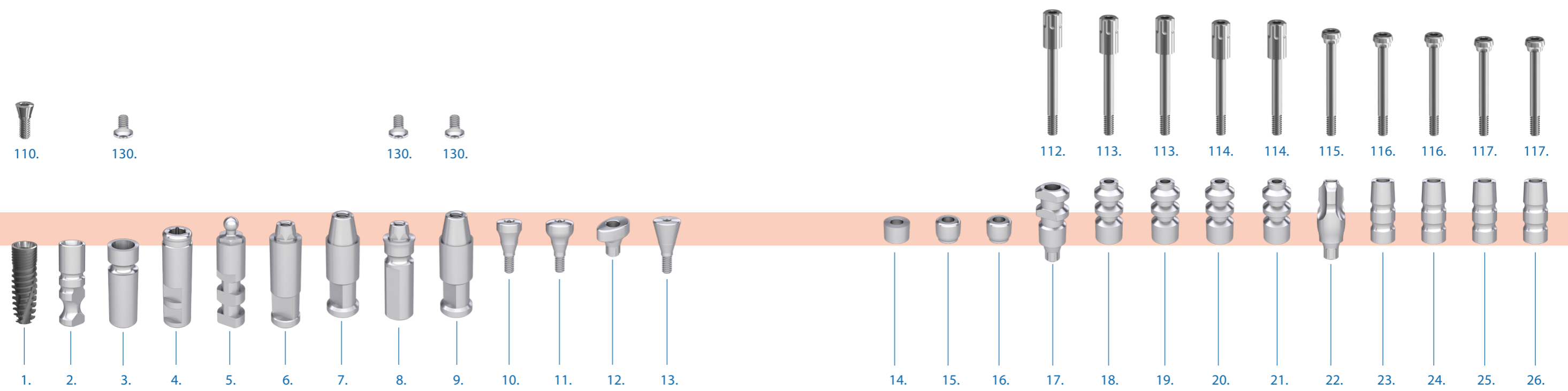


# SCANDREA abutment system

1. IMPLANTS

**PROSTHETIC ELEMENTS**

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



# SCANDREA abutment system

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

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

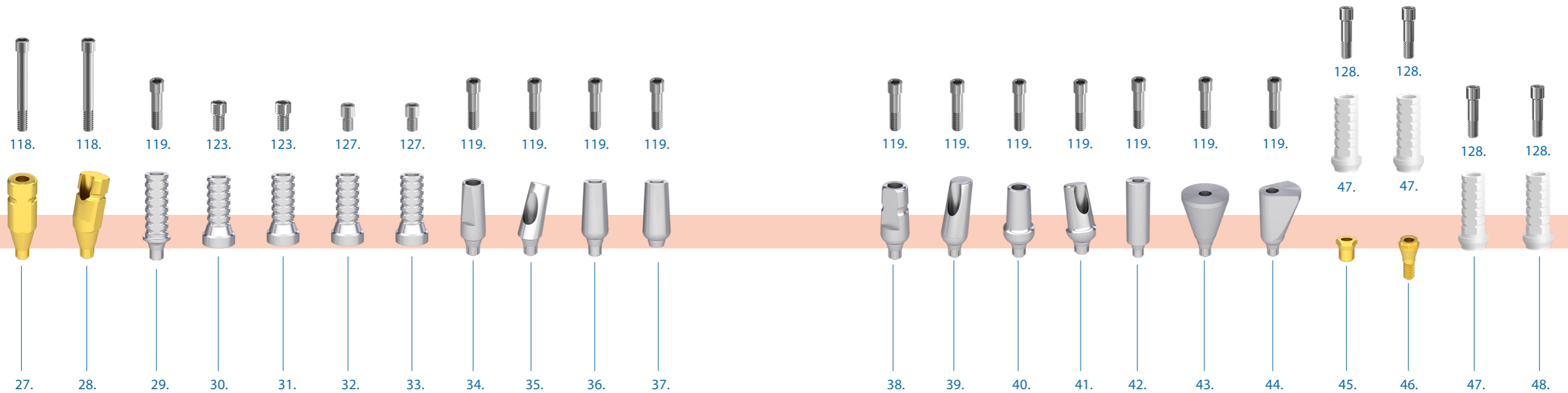
**FOR CEMENT-RETAINED RESTORATIONS**

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

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

**CASTING ABUTMENTS**

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

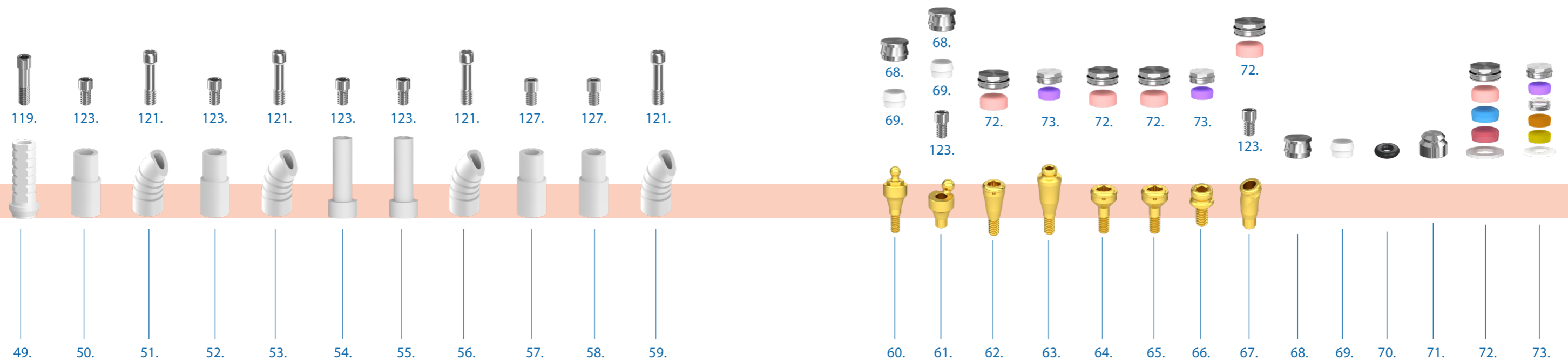


# SCANDREA abutment system

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

## FOR SNAP IN DENTURES

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



# SCANDREA abutment system

## FOR SCREW-RETAINED RESTORATIONS

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

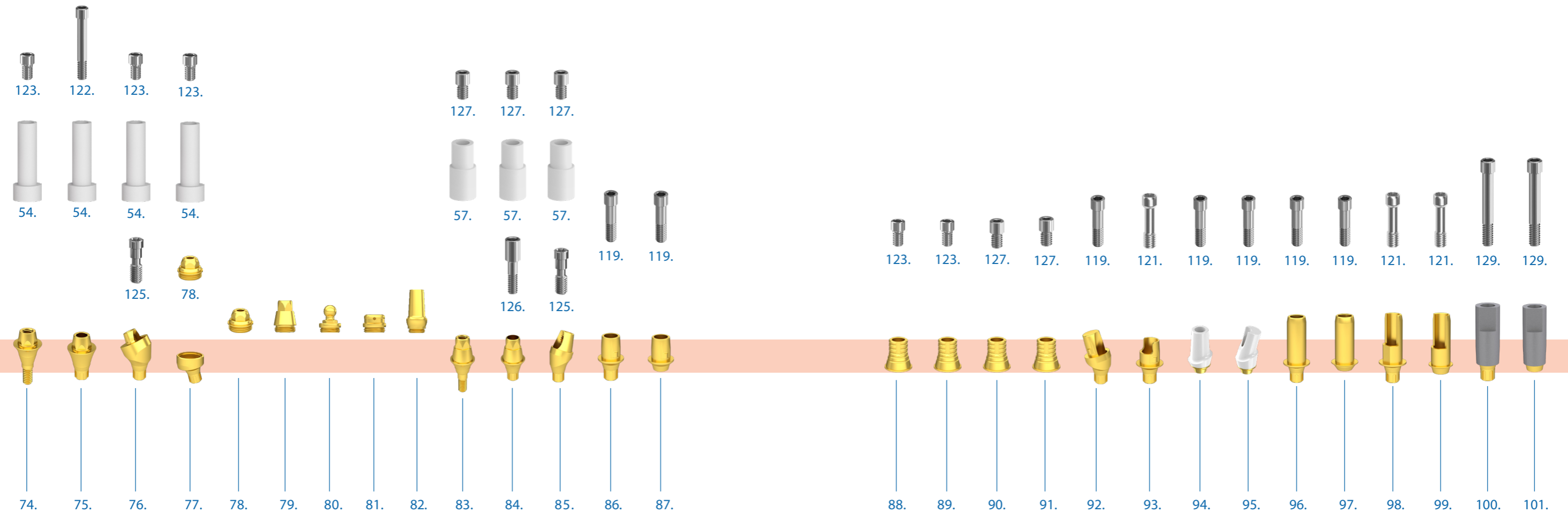
- 81. MC - locator abutment cone
- 82. MC - adaptable cone
- 83. Multi-unit SR abutment, straight
- 84. Multi-unit SR abutment, through-bolted
- 85. Multi-unit SR abutment, angled

## ELEMENTS OF THE CAD-CAM SYSTEM

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

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

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



# SCANDREA abutment system

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

**OTHER ABUTMENTS**

- 104. Spacer, implant level, positioned
- 105. Spacer, implant level, non-positioned
- 106. Spacer, multi-unit level, positioned
- 107. Spacer, multi-unit level, non-positioned
- 108. Test abutment

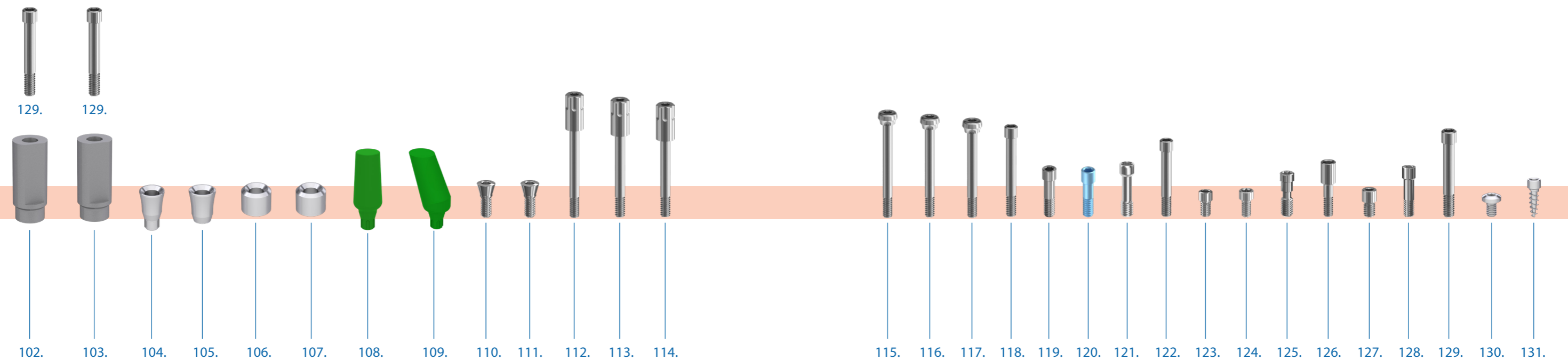
- 109. Test abutment, angled

**SCREWS**

- 110. Locking screw
- 111. Locking screw, for spacer
- 112. Impression coping screw, for open tray
- 113. Impression coping screw, for open tray, multi-unit level
- 114. Impression coping screw, for open tray, multi-unit level, SR

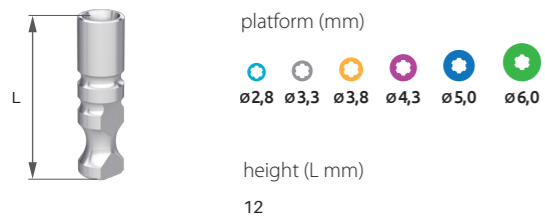
- 115. Impression coping screw, for closed tray
- 116. Impression coping screw, for closed tray, multi-unit level
- 117. Impression coping screw, for closed tray, multi-unit level, SR
- 118. Impression coping screw, for closed tray, multi-unit level, parallel
- 119. Surgical abutment screw
- 120. Surgical abutment screw, technical
- 121. Surgical abutment screw PCT
- 122. Multi-unit through-bolt

- 123. Multi-unit abutment screw
- 124. Multi-unit abutment screw, PCT
- 125. Multi-unit abutment screw, for angled abutment
- 126. Multi-unit through-bolt, SR
- 127. Multi-unit abutment screw, SR
- 128. BR interface Multi-unit abutment screw
- 129. Scanbody through-bolt
- 130. Lab analog screw
- 131. Dental retaining screw

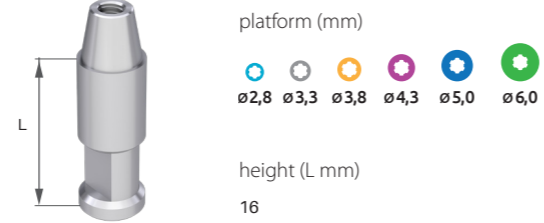


## Sizes available of the Scandrea abutments

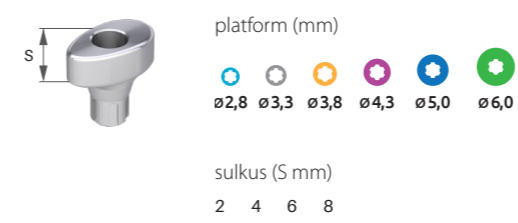
LAB ANALOG



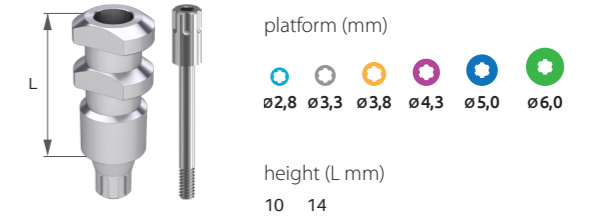
LAB ANALOG, MULTI-UNIT SR



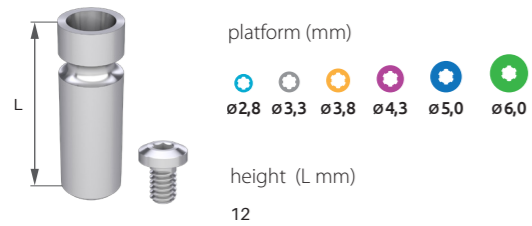
HEALING ABUTMENT, ANATOMICAL, LOCAL



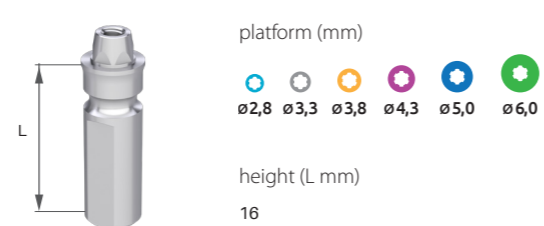
IMPRESSION COPING FOR OPEN TRAY



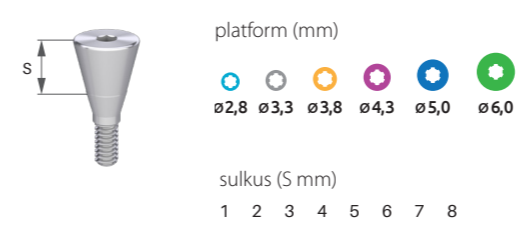
LAB ANALOG, FOR DIGITAL SCAN



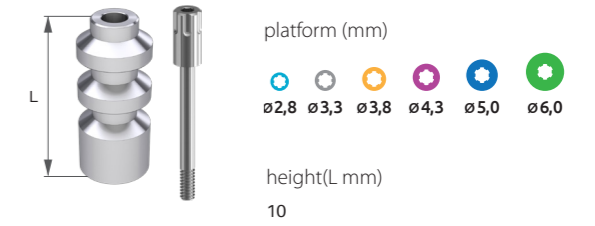
LAB ANALOG, MULTI-UNIT DIGITAL



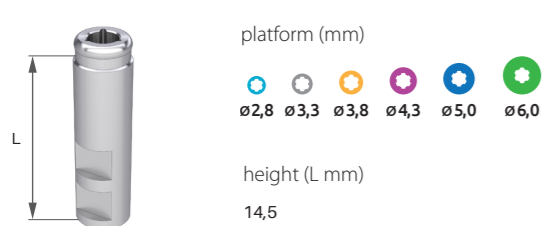
HEALING ABUTMENT, CONICAL



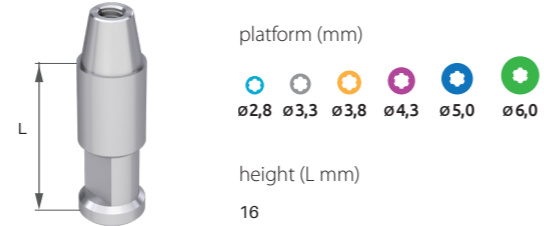
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, POSITIONED



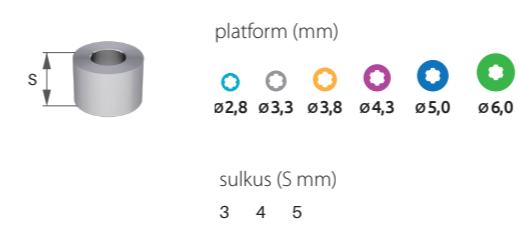
LAB ANALOG, LOCATOR



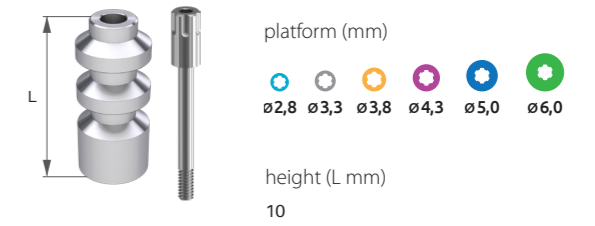
LAB ANALOG, MULTI-UNIT DIGITAL SR



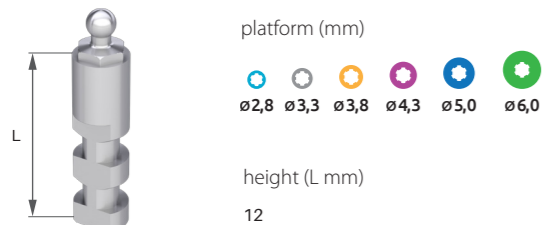
HEALING ABUTMENT, MULTI-UNIT



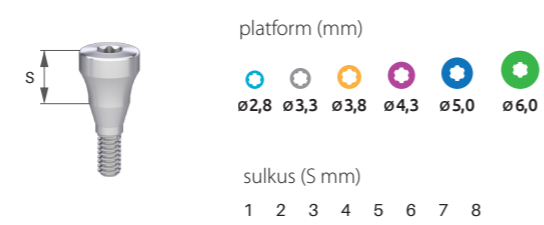
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, NON-POSITIONED



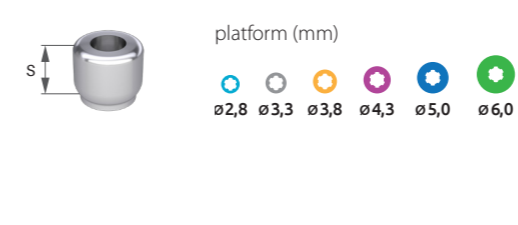
LAB ANALOG, BALL ATTACHMENT



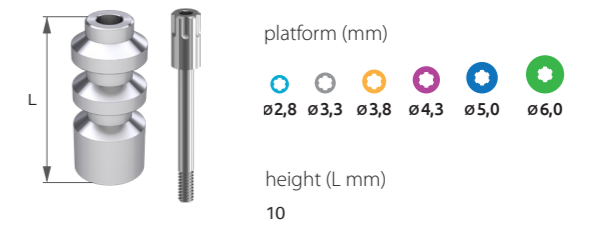
HEALING ABUTMENT, NARROW



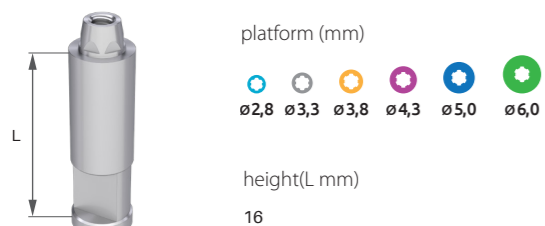
HEALING ABUTMENT, MULTI-UNIT SR



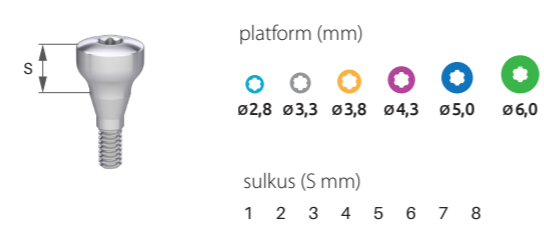
IMPRESSION COPING FOR OPEN TRAY, MULTI-UNIT LEVEL, POSITIONED, SR



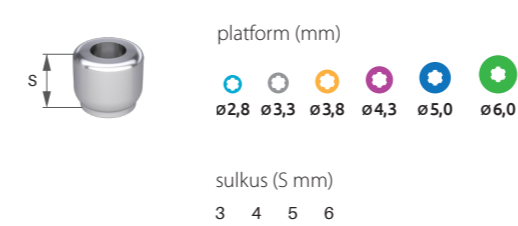
LAB ANALOG, MULTI-UNIT



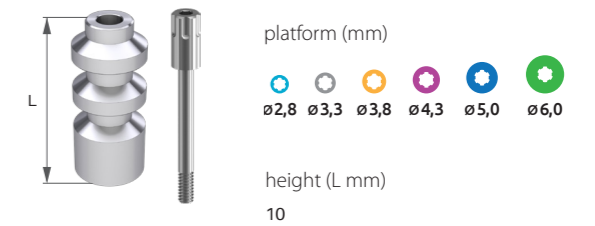
HEALING ABUTMENT, ANATOMICAL



HEALING ABUTMENT, MULTI-UNIT, LOCAL



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



# Sizes available of the Scandrea abutments

IMPRESSION COPING FOR CLOSED TRAY

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 10 14

IMPRESSION COPING FOR CLOSED TRAY, PARALLEL

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 12

TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, POSITIONED, SR

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 12

UNIVERSAL ABUTMENT, STRAIGHT, NON-POSITIONED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 11 15

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

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 10

IMPRESSION COPING FOR CLOSED TRAY, ANGLED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 12

angle (°)  
 15 25

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

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 12

UNIVERSAL ABUTMENT, STRAIGHT MV

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 11

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

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 10

TEMPORARY ABUTMENT, IMPLANT LEVEL, POSITIONED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 12

NARROW ABUTMENT, STRAIGHT

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 9

UNIVERSAL ABUTMENT, ANGLED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 11

angle (°)  
 15 25 35

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

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 10

TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, POSITIONED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 12

NARROW ABUTMENT, ANGLED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height(L mm)  
 9

angle (°)  
 15 25 35

ANATOMICAL ABUTMENT, STRAIGHT

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 1 2 3 4 5 6

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

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 10

TEMPORARY ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 12

UNIVERSAL ABUTMENT, STRAIGHT, POSITIONED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)  
 11 15

ANATOMICAL ABUTMENT, ANGLED

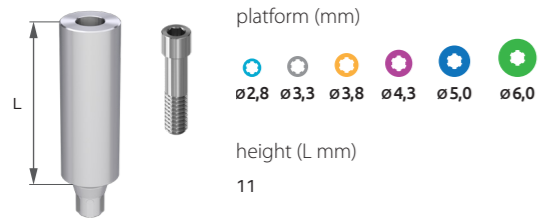
platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus g (S mm)  
 2 4 6

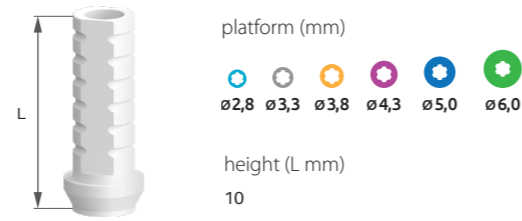
angle (°)  
 15 25 35 45

# Sizes available of the Scandrea abutments

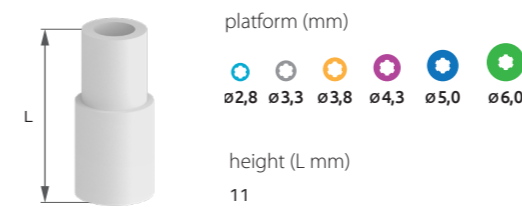
## CYLINDRICAL ABUTMENT



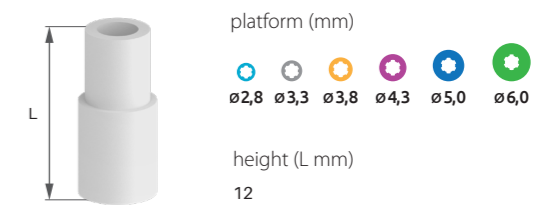
## CASTABLE PLASTIC ABUTMENT, FOR BR INTERFACE, POSITIONED



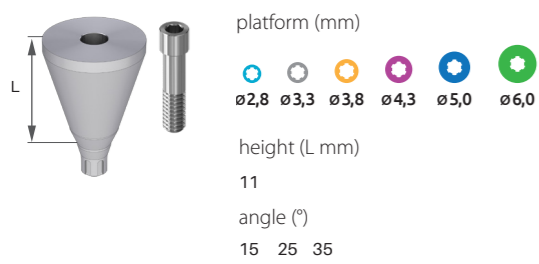
## CASTABLE PLASTIC ABUTMENT, FOR MULTI-UNIT LEVEL TITANIUM BASE, SR



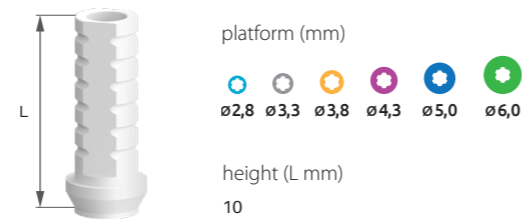
## CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, POSITIONED, SR



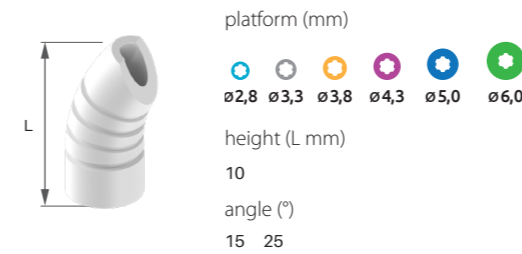
## TRAPEZOIDAL ABUTMENT



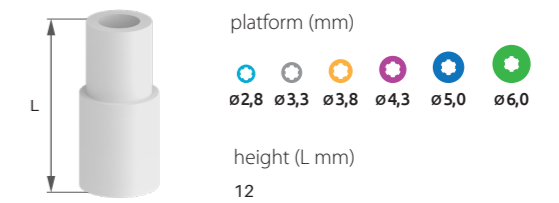
## CASTABLE PLASTIC ABUTMENT, FOR BR INTERFACE, NON-POSITIONED



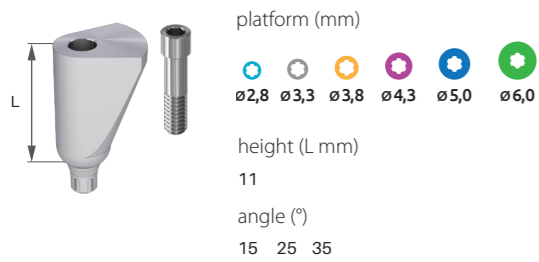
## CASTABLE PLASTIC ABUTMENT, ANGLED, FOR MULTI-UNIT LEVEL TITANIUM BASE, SR



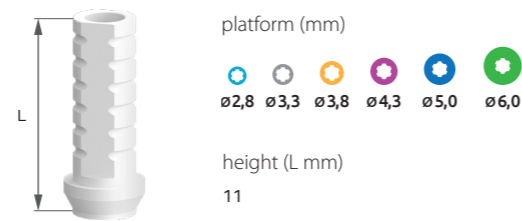
## CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED, SR



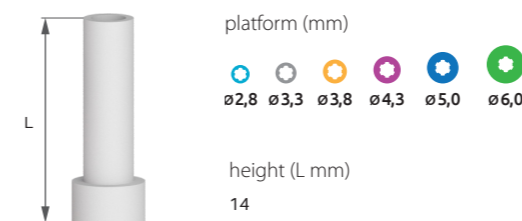
## DELTA ABUTMENT



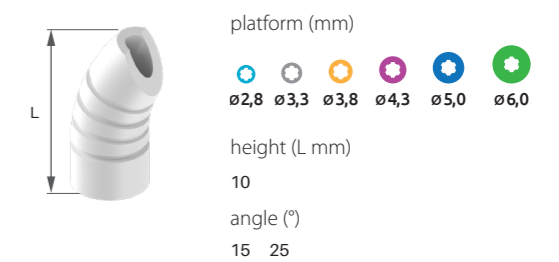
## CASTABLE PLASTIC ABUTMENT, FOR TITANIUM BASE



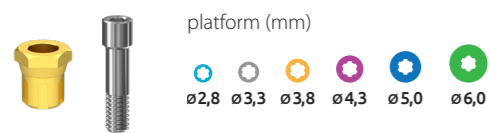
## CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, POSITIONED



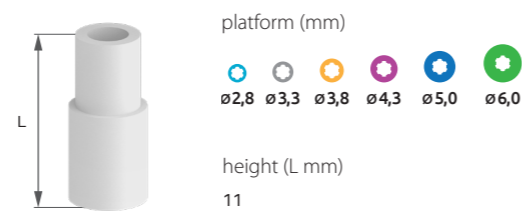
## CASTABLE PLASTIC ABUTMENT, ANGLED, MULTI-UNIT LEVEL SR



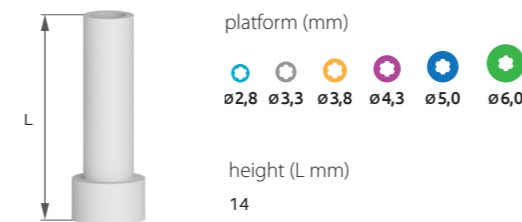
## BR INTERFACE



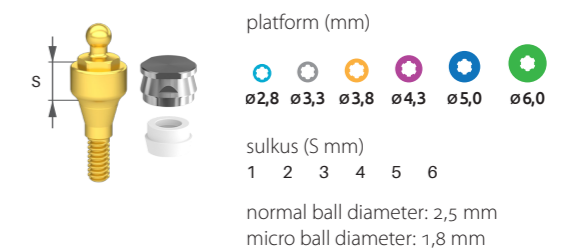
## CASTABLE PLASTIC ABUTMENT, FOR MULTI-UNIT LEVEL TITANIUM BASE



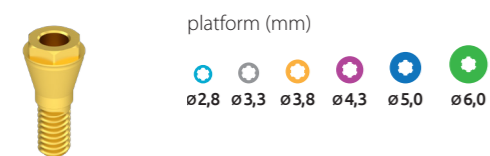
## CASTABLE PLASTIC ABUTMENT, MULTI-UNIT LEVEL, NON-POSITIONED



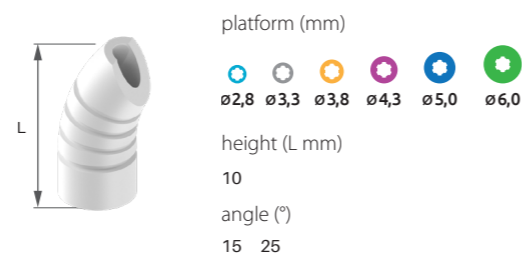
## BALL ATTACHMENT ABUTMENT OC



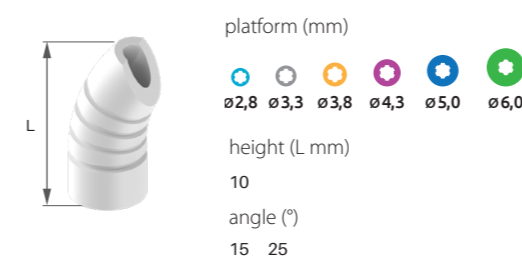
## BR INTERFACE, SCREWABLE



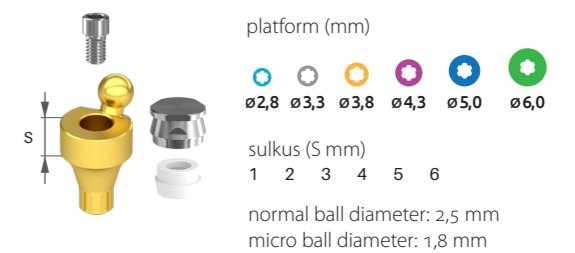
## CASTABLE PLASTIC ABUTMENT, ANGLED, FOR MULTI-UNIT LEVEL TITANIUM BASE



## CASTABLE PLASTIC ABUTMENT, ANGLED, MULTI-UNIT LEVEL



## BALL ATTACHMENT ABUTMENT, ANGLED OC



# Sizes available of the Scandrea abutments

## LOCATOR ABUTMENT

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

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

## LOCATOR ABUTMENT, ANGLED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 0,5 2 4 6

angle (°)  
 15 25

## LOCATOR CAP SET

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

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

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

## MULTI-COMPACT ABUTMENT, CUP

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 2 3 4 5 6

angle (°)  
 20 30

## LOCATOR ABUTMENT, MINI

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

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

## OC CAP, METAL

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

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

## MICROLOCK CAP SET

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

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

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

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

## MC - MULTI-UNIT CONE

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 0 1 2 3

## LOCATOR ABUTMENT, MULTI-UNIT LEVEL

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 3 4 5

## OC INSERT, PLASTIC

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

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

## MULTI-UNIT ABUTMENT, STRAIGHT, SCREWABLE

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

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

## MC - MULTI-UNIT CONE, SR

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 0 1 2 3

## LOCATOR ABUTMENT, MULTI-UNIT LEVEL SR

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 3 4 5

## O-RING

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

## MULTI-UNIT ABUTMENT, STRAIGHT, THROUGH-BOLTED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

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

## MC - BALL ABUTMENT CONE

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 0 1 2 3

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

## LOCATOR ABUTMENT, MINI, MULTI-UNIT LEVEL

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 3 4 5

## O-RING'S METAL CAP

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

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

## MULTI-UNIT ABUTMENT, ANGLED

platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

sulkus (S mm)  
 1 2 3 4 5 6


angle (°)  
 20 30

## MC - LOCATOR ABUTMENT CONE


platform (mm)  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

# Sizes available of the Scandrea abutments

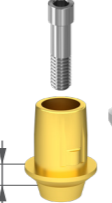
MC - ADAPTABLE CONE




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

TITANIUM BASE, NON-POSITIONED



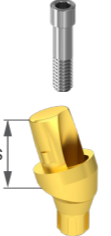
platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


sulkus (S mm)

1 2 3

TITANIUM BASE, ANGLED



platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

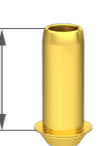
sulkus (S mm)

1 2 3


angle (°)

20 30

TUBE ABUTMENT, NON-POSITIONED




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

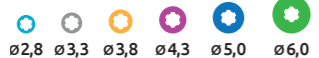
height (L mm)

9

MULTI-UNIT SR ABUTMENT, STRAIGHT




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


sulkus (S mm)

1 2 3 4 5 6 7

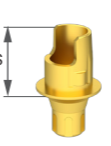
TITANIUM BASE, MULTI-UNIT LEVEL, POSITIONED



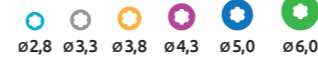
platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

FLEXI BASE



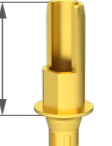
platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


sulkus (S mm)

1 2 3

TUBE ABUTMENT, STEPPED, POSITIONED




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


height (L mm)

9

MULTI-UNIT SR ABUTMENT, THROUGH-BOLTED




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


sulkus (S mm)

1 2 3 4 5 6 7


TITANIUM BASE, MULTI-UNIT LEVEL, NON-POSITIONED




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

ZIRCON ABUTMENT, WITH TITANIUM BASE



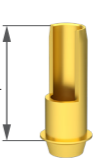
platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


sulkus (S mm)

1 2 3 4 5

TUBE ABUTMENT, STEPPED, NON-POSITIONED




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


height (L mm)

9

MULTI-UNIT SR ABUTMENT, ANGLED



platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


sulkus (S mm)

1 2 3 4 5 6 7


angle (°)

20 30


TITANIUM BASE, MULTI-UNIT LEVEL, POSITIONED, SR




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

ZIRCON ABUTMENT, WITH TITANIUM BASE, ANGLED



platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

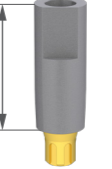
sulkus (S mm)

1 2 3 4 5


angle (°)

15 25

SCANBODY, THROUGH-BOLTED, POSITIONED




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


height (L mm)

10

TITANIUM BASE, POSITIONED




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


sulkus (S mm)

1 2 3

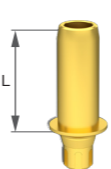
TITANIUM BASE, MULTI-UNIT LEVEL, NON-POSITIONED, SR




platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

TUBE ABUTMENT, POSITIONED



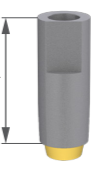
platform (mm)


  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0


height (L mm)

9

SCANBODY, THROUGH-BOLTED, NON-POSITIONED



platform (mm)

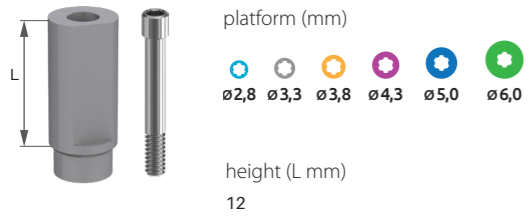

  
 ø2,8 ø3,3 ø3,8 ø4,3 ø5,0 ø6,0

height (L mm)

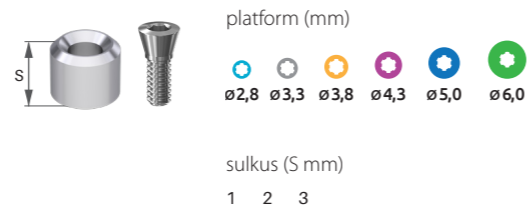
10

## Sizes available of the Scandrea abutments

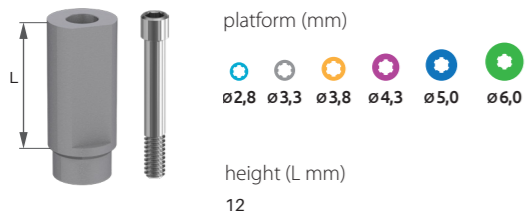
### SCANBODY, THROUGH-BOLTED, MULTI-UNIT LEVEL, POSITIONED



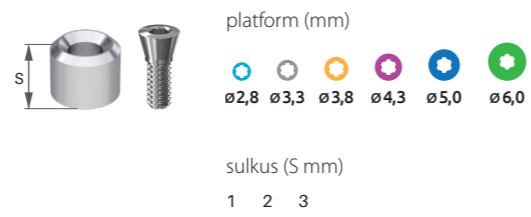
### SPACER, MULTI-UNIT LEVEL, POSITIONED



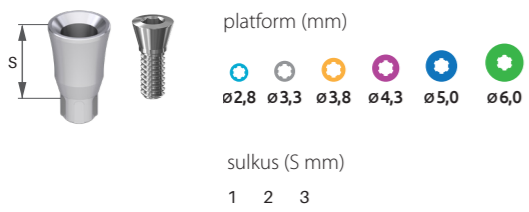
### SCANBODY, THROUGH-BOLTED, MULTI-UNIT LEVEL, NON-POSITIONED



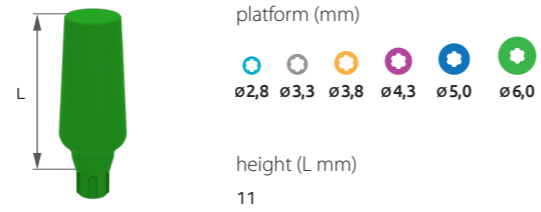
### SPACER, MULTI-UNIT LEVEL, NON-POSITIONED



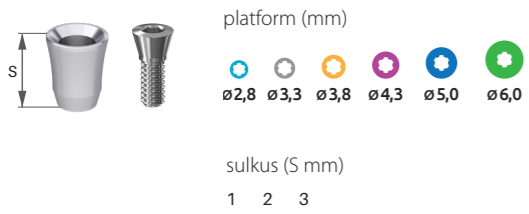
### SPACER, IMPLANT LEVEL, POSITIONED



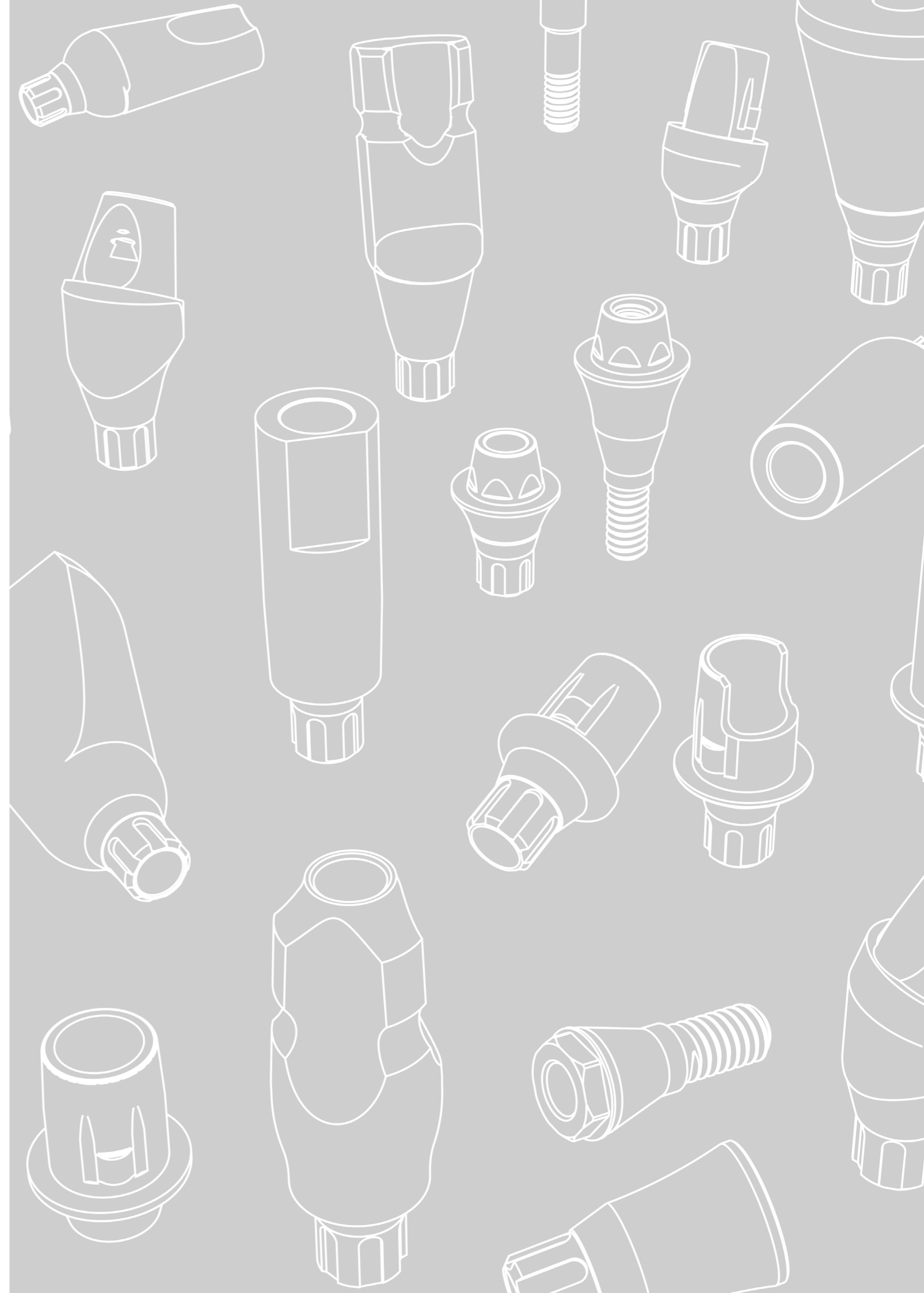
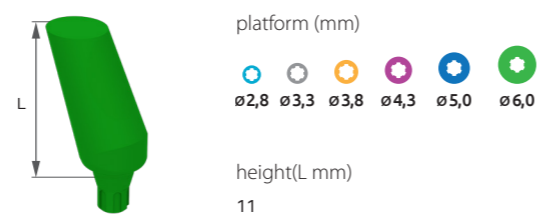
### TEST ABUTMENT



### SPACER, IMPLANT LEVEL, NON-POSITIONED

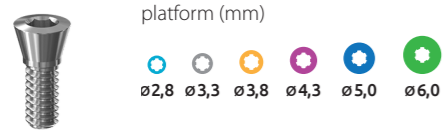


### TEST ABUTMENT, ANGLED

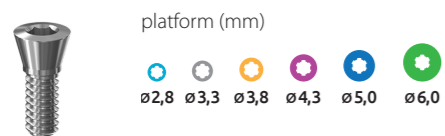


# The available sizes of Scandrea screws

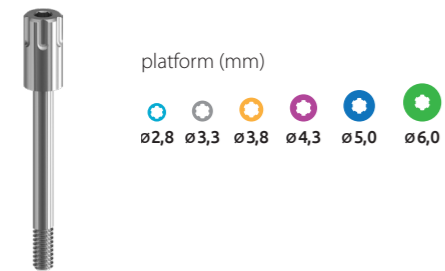
LOCKING SCREW



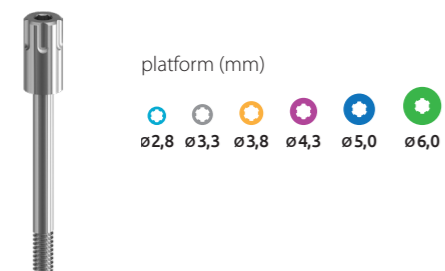
LOCKING SCREW, FOR SPACER



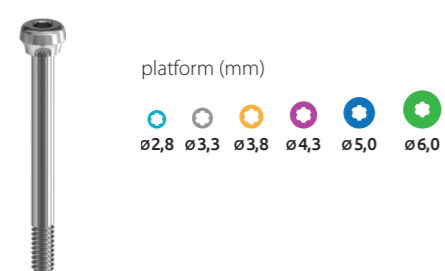
IMPRESSION COPING SCREW, FOR OPEN TRAY



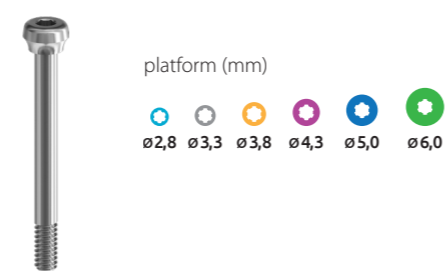
IMPRESSION COPING SCREW, FOR OPEN TRAY, MULTI-UNIT LEVEL



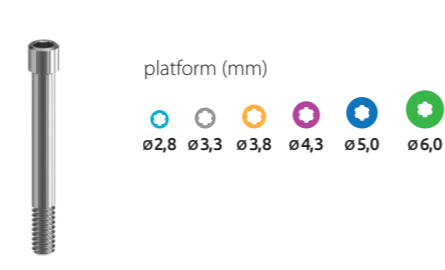
IMPRESSION COPING SCREW, FOR CLOSED TRAY



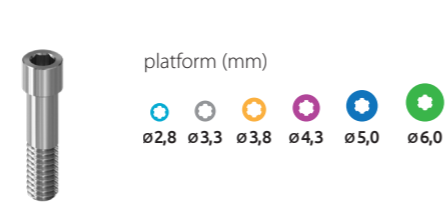
IMPRESSION COPING SCREW, FOR CLOSED TRAY, MULTI-UNIT LEVEL



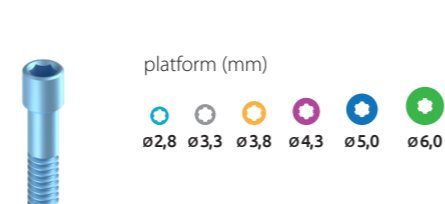
IMPRESSION COPING SCREW, FOR CLOSED TRAY, MULTI-UNIT LEVEL, PARALLEL



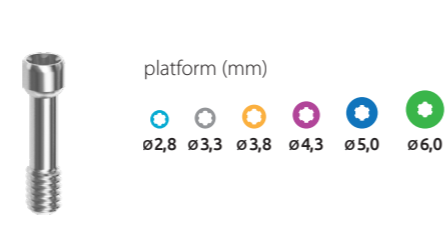
SURGICAL ABUTMENT SCREW



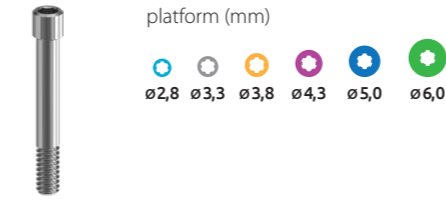
SURGICAL ABUTMENT SCREW, TECHNICAL



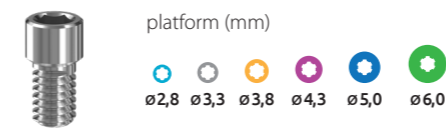
SURGICAL ABUTMENT SCREW PCT



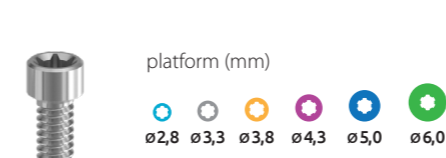
MULTI-UNIT THROUGH-BOLT



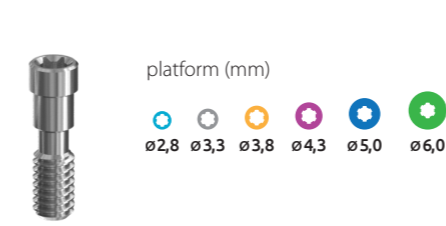
MULTI-UNIT ABUTMENT SCREW



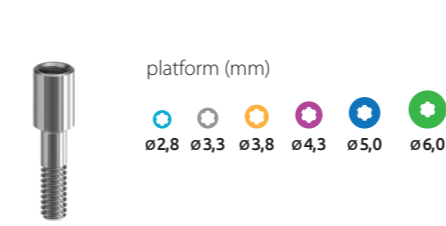
MULTI-UNIT ABUTMENT SCREW, PCT



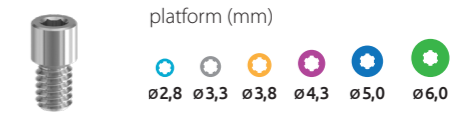
MULTI-UNIT ABUTMENT SCREW, FOR ANGLED ABUTMENT



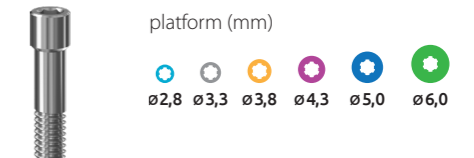
MULTI-UNIT THROUGH-BOLT, SR



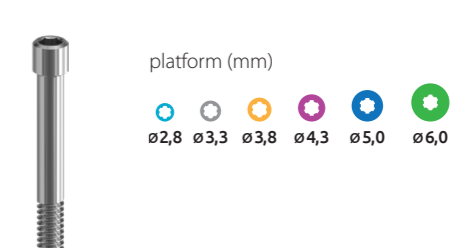
MULTI-UNIT ABUTMENT SCREW, SR



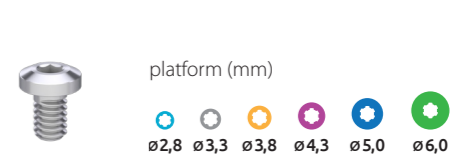
BR INTERFACE ABUTMENT SCREW



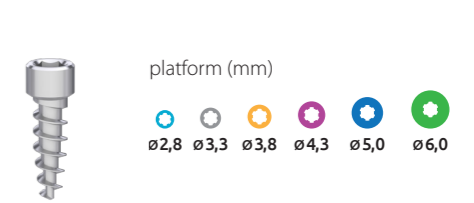
SCANBODY THROUGH-BOLT



LAB ANALOG SCREW



DENTAL RETAINING SCREW





**SCANDREA**  
**IMPLANT SYSTEM**

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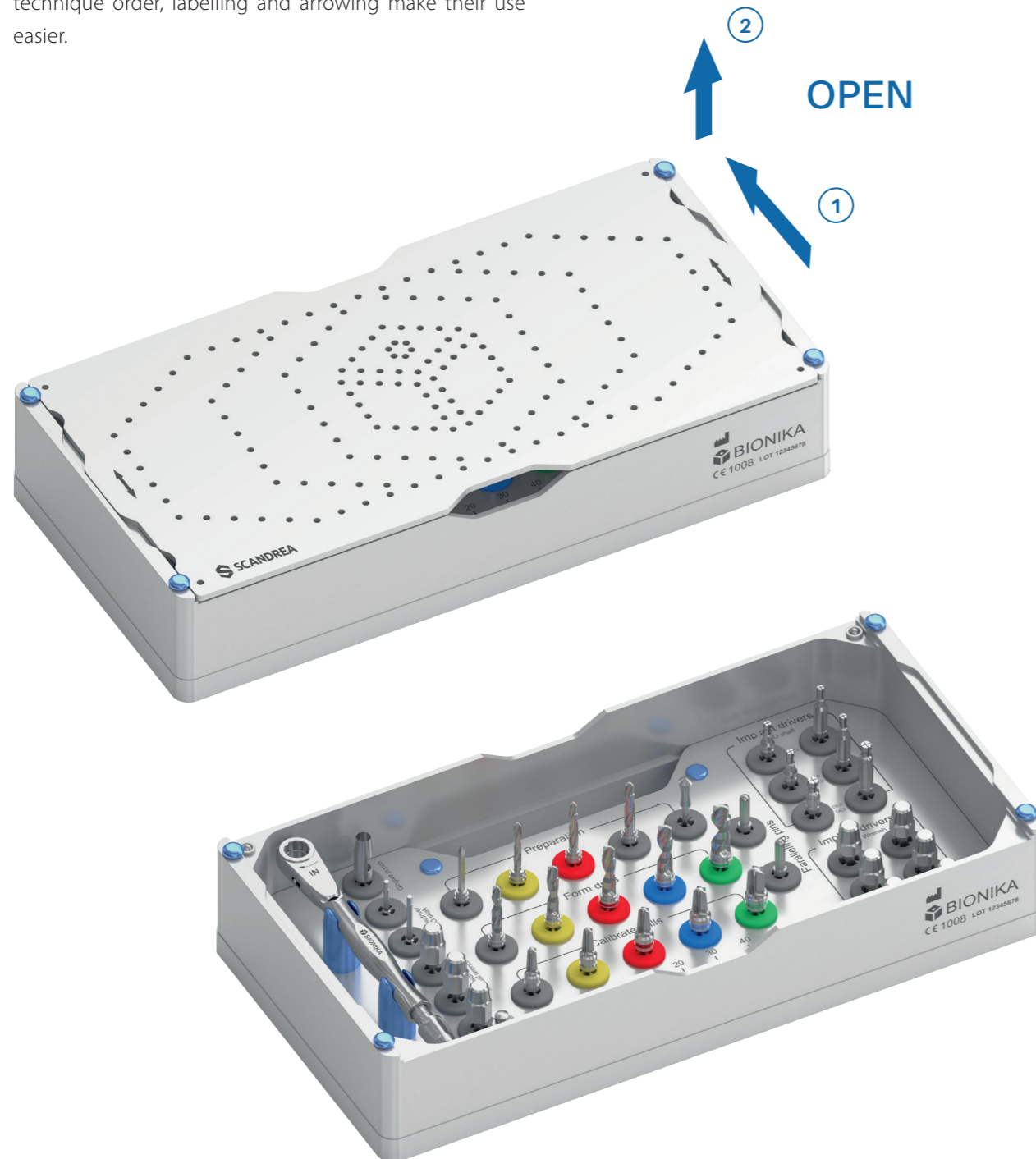
**INSTRUMENT KITS**



## SCANDREA Instrument kits

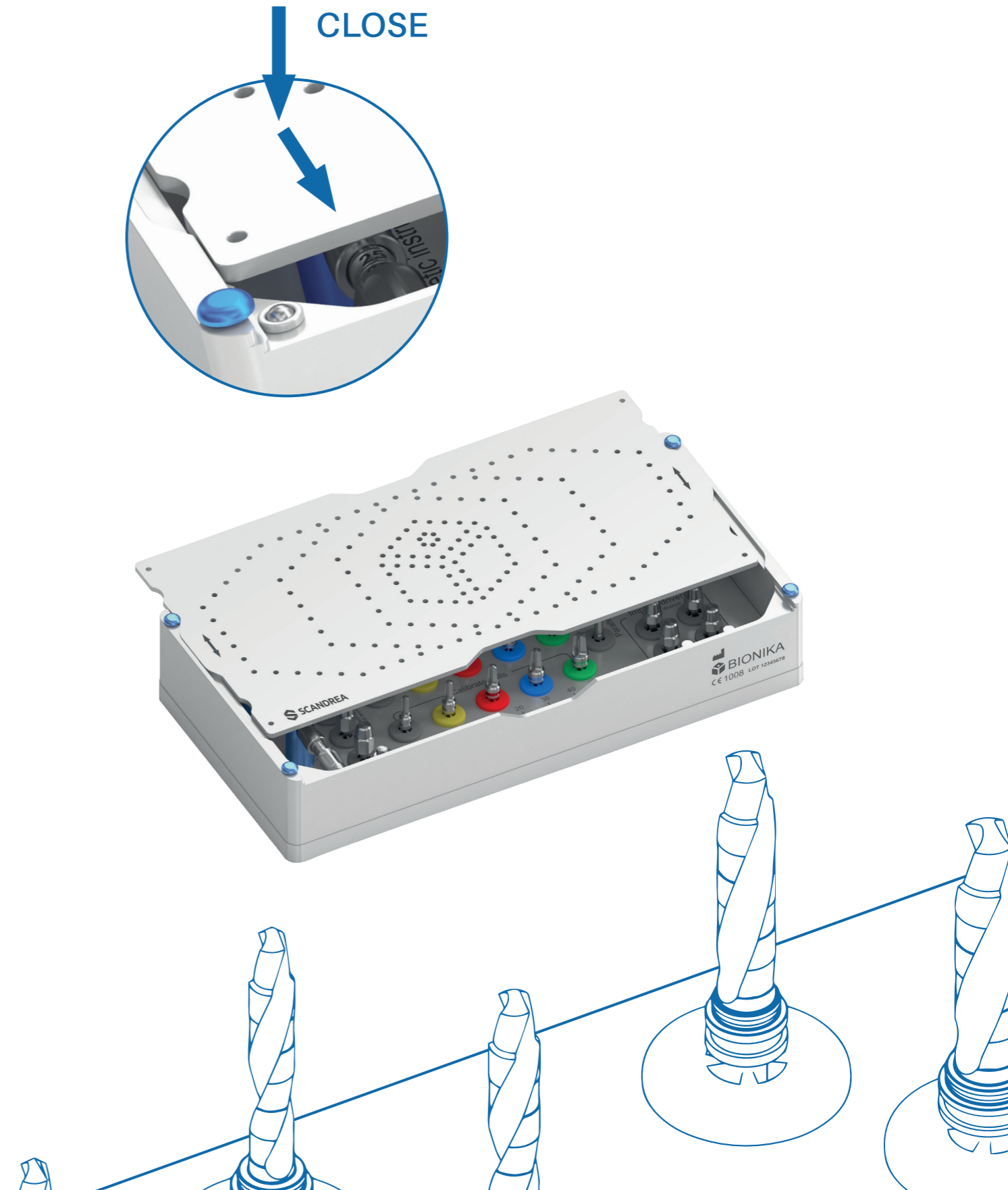
Our instrument kits consist of the inevitable instruments for dental implantation. The Scandrea Large Instrument Kit includes 14 instruments, in a wide range of sizes in order to get versatile utilization. The instrument kit consists of 37 instruments all together.

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

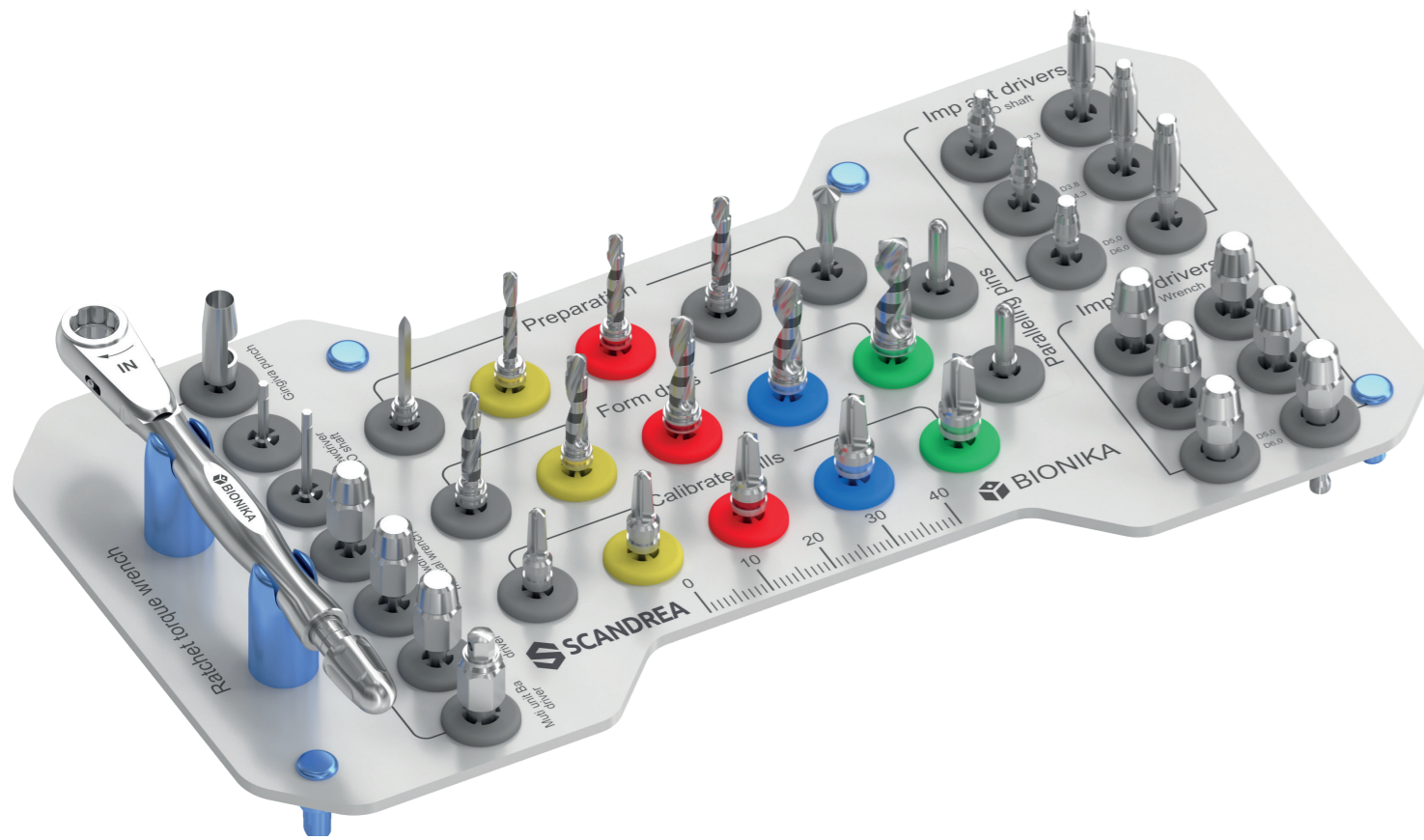


## SCANDREA Instrument kits

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

















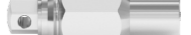





# SCANDREA Instrument kit

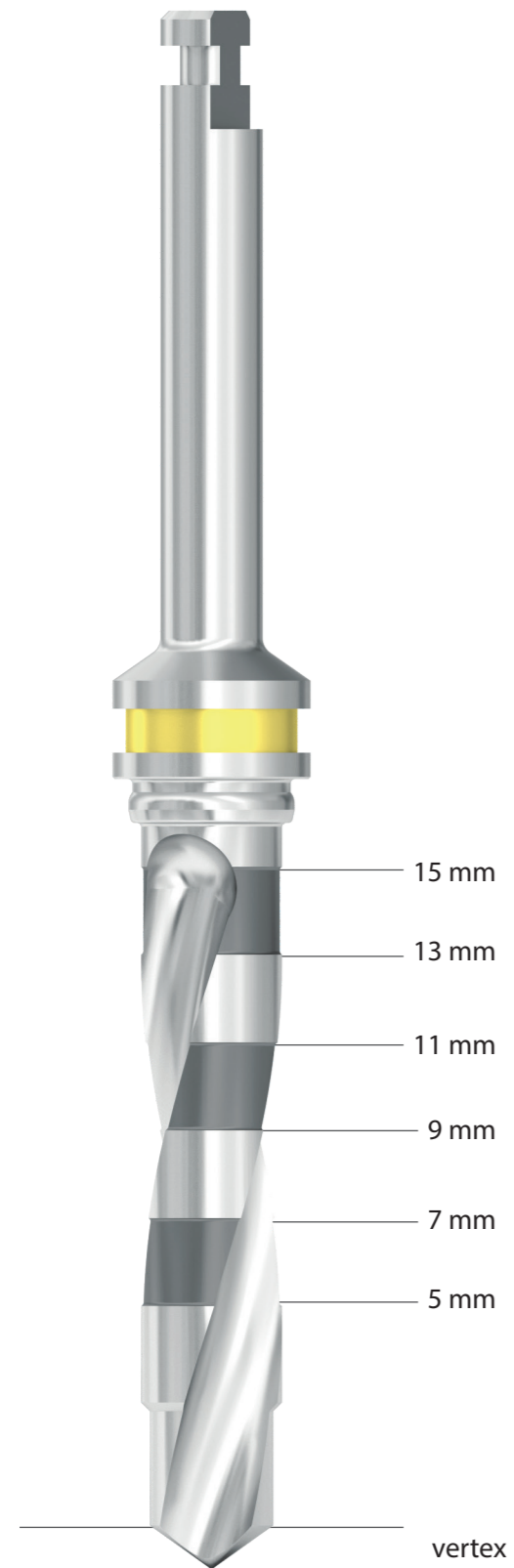


Content arrangement of the SCANDREA instrument kit

# SCANDREA Instrument kit

- |  |  |   |
|--|--|---|
| <p><b>1</b> Pointer drill ▼</p>                                   | <p><b>10</b> Implant drivers, mechanical ▼<br/>D3,8-D4,3xL12</p>  | <p><b>19</b> Gingiva punch ▼<br/>Ø4,0xL15</p>                      |
| <p><b>2</b> Pilot drill ▼</p>                                     | <p><b>11</b> Implant drivers, mechanical ▼<br/>D5,0-D6,0xL6</p>   | <p><b>20</b> Screwdriver, mechanical ▼<br/>6Lt1,27xL10</p>         |
| <p><b>3</b> Depth gauge ▼</p>                                     | <p><b>12</b> Implant drivers, mechanical ▼<br/>D5,0-D6,0xL12</p>  | <p><b>21</b> Screwdriver, mechanical ▼<br/>6Lt1,27xL15</p>         |
| <p><b>4</b> Twist drill ▼</p>                                    | <p><b>13</b> Implant drivers, manual ▼<br/>D3,3xL6</p>           | <p><b>22</b> Screw driver, manual ▼<br/>6Lt1,27xL10</p>           |
| <p><b>5</b> Tap drill ▼</p>                                     | <p><b>14</b> Implant drivers, manual ▼<br/>D3,3xL12</p>         | <p><b>23</b> Screw driver, manual ▼<br/>6Lt1,27xL15</p>          |
| <p><b>6</b> Parallel pin ▼</p>                                  | <p><b>15</b> Implant drivers, manual ▼<br/>D3,8-D4,3xL6</p>     | <p><b>24</b> Locator screwdriver ▼</p>                           |
| <p><b>7</b> Implant drivers, mechanical ▼<br/>D3,3xL6</p>       | <p><b>16</b> Implant drivers, manual ▼<br/>D3,8-D4,3xL12</p>    | <p><b>25</b> Multi-unit/ ball abutment screwdriver - 6Lt2,7</p>  |
| <p><b>8</b> Implant drivers, mechanical ▼<br/>D3,3xL12</p>      | <p><b>17</b> Implant drivers, manual ▼<br/>D5,0-D6,0xL6</p>     | <p><b>26</b> Ratchet torque wrench ▼</p>                         |
| <p><b>9</b> Implant drivers, mechanical ▼<br/>D3,8-D4,3xL6</p>  | <p><b>18</b> Implant drivers, manual ▼<br/>D5,0-D6,0xL12</p>    |   |

## 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 Ø2,0 mm



PILOT DRILL Ø2,5 mm



TWIST DRILL Ø2,8 mm



TAP DRILL Ø3,2 mm



TWIST DRILL Ø3,2 mm



TAP DRILL Ø3,7 mm



TWIST DRILL Ø3,7 mm



TAP DRILL Ø4,3 mm



TWIST DRILL Ø4,2 mm



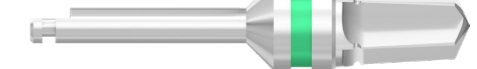
TAP DRILL Ø5,0 mm



TWIST DRILL Ø5,2 mm



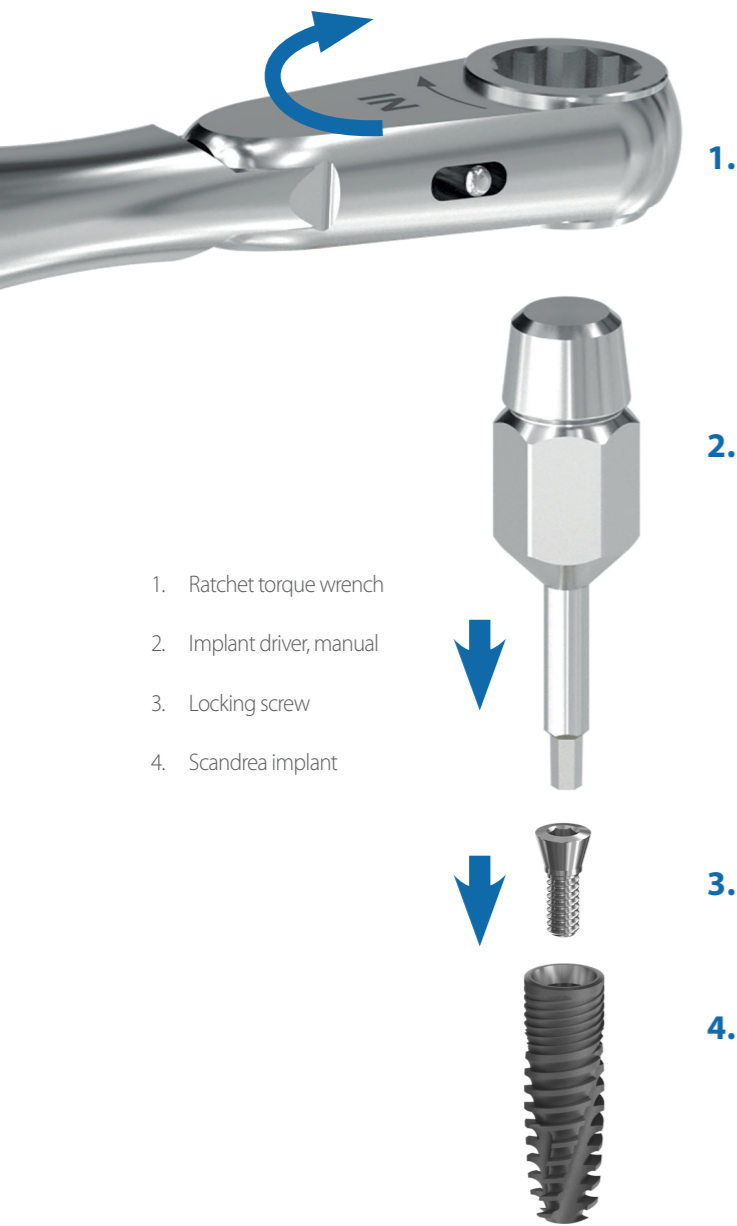
TAP DRILL Ø6,0 mm



## 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.



## 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 abutment, 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		



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