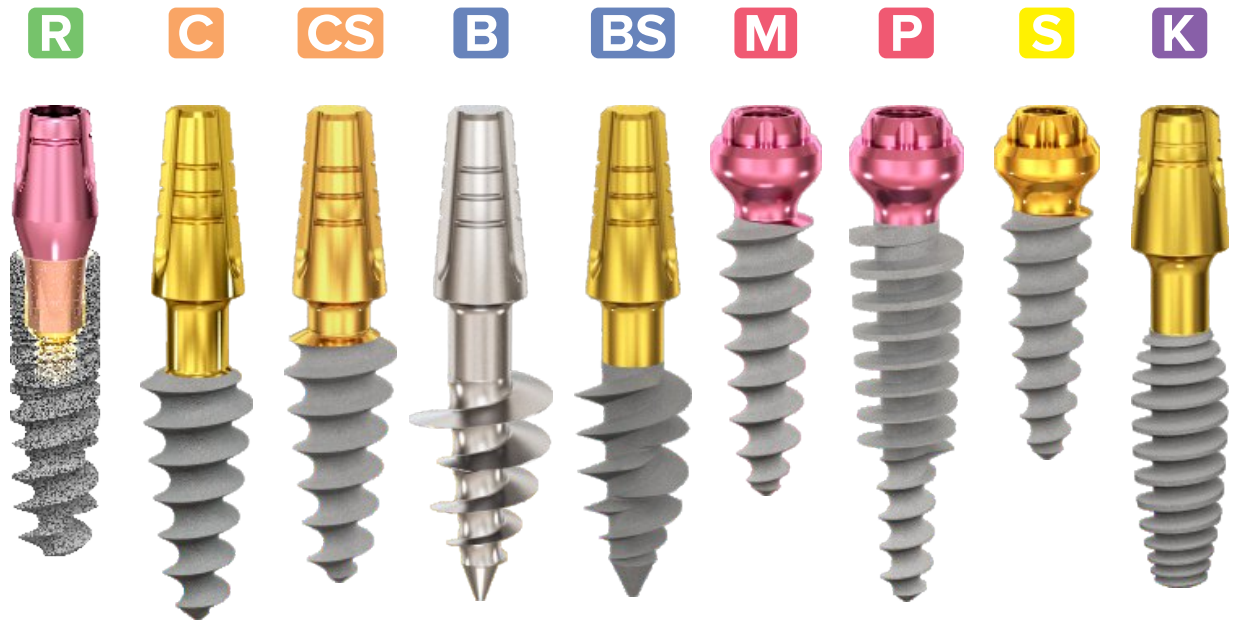


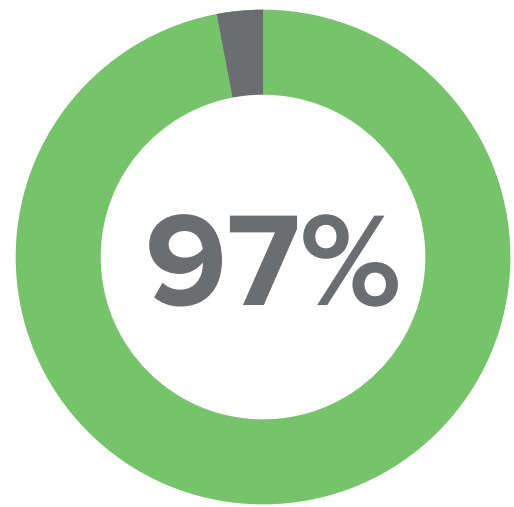


ROOTT



System overview

# Excellent 5 years clinical evidence with ROOTT implants



## Average survival rate

The post-market clinical follow-up study showed a significantly high average survival rate of 97.86% of the entire ROOTT Dental Implant System.

Report from 2021-05-24

### High quality and safety standards

Medical devices under this catalog are in compliance with established EU regulatory requirements.



## Confidence with traditional approach



Cement



Screw



Telescopic

**ROOTT R**



## Minimally invasive alternatives



Cement



Screw



Telescopic

**ROOTT C CS**  
**B BS**  
**P MS**  
**K**

# ROOTT **R**

Cement & screw retained

Two-piece implant



- Multiple and single restorations.
- Immediate & delayed placement.

## Single platform

- 10° 10° cone & internal hex
- Secure connection
- No microgap / no micromovement

## Primary stability

- V-shape design  
Efficient insertion
- RBM blasted, acid etched surface  
Optimum adhesion
- Variable threads  
Bone condensation

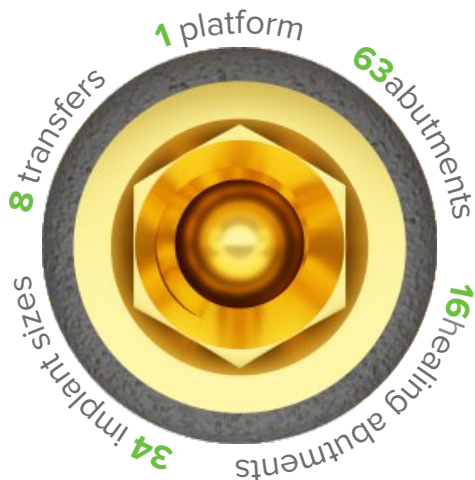
## 1 package – does it all

- Healing abutment
- Regular abutment
- Direct scan
- Transfer



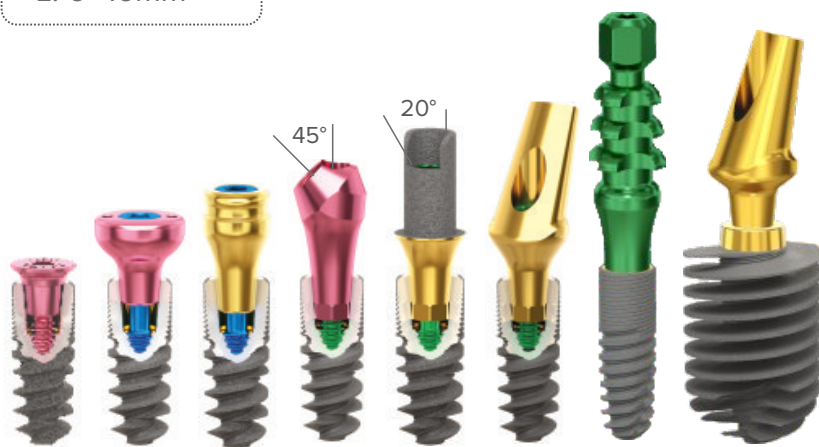
# Multiple possibilities

ROOT R



Freedom and flexibility with switching platform and morse taper connection for all prosthetic components & all implant sizes of

Ø: 3.0–5.5mm  
L: 6–16mm



# Easy management



TRS

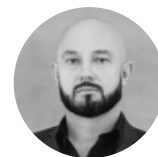


TRS-mini

# Clinical cases



By Dr. Mohamad El Moheb



By Dr. Roman Novichenko

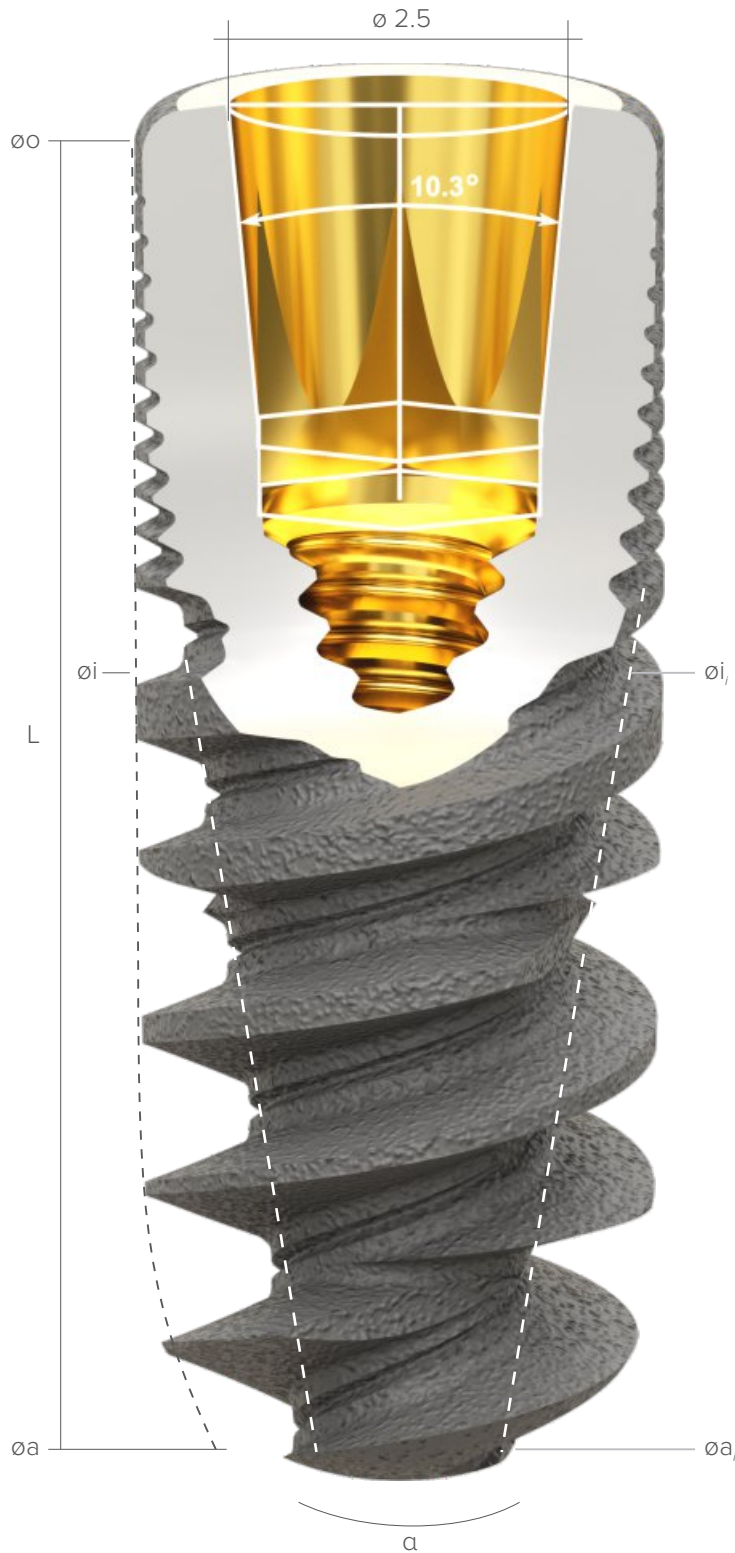


More cases



# ROOTT **R**

M1.6x0.35 6H



$o$  - occlusal diameter (mm);  $i$  - intraosseous diameter (mm);  $a$  - apical diameter (mm);  
 $\alpha$  - total internal angle ( $^\circ$ );  $s$  - intraosseous square area ( $\text{mm}^2$ );  $i$  = internal.

ø 3.0

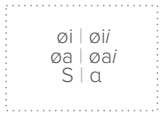
ø 3.5

ø 3.8

ø 4.2

ø 4.8

o / L



Ti6Al4V ELI

R3506

3.5 | 3.3  
3.4 | 1.8  
85 | 24



R3806

3.8 | 3.4  
3.7 | 1.6  
95 | 28



R4206

4.2 | 3.6  
4.1 | 1.9  
106 | 26.5



R4806

4.2 | 3.8  
4.1 | 1.7  
114 | 29



6 mm

R3508

3.5 | 3.3  
3.4 | 1.7  
111 | 20



R3808

3.8 | 3.4  
3.7 | 1.3  
128 | 21



R4208

3.6 | 3.2  
3.5 | 1.2  
125 | 21



R4808

4.2 | 3.8  
4.1 | 1.7  
147 | 24



8 mm

R3010

3.0 | 2.5  
2.8 | 1.4  
114 | 14



R3510

3.5 | 3.2  
3.3 | 0.8  
137 | 21



R3810

3.8 | 3.4  
3.6 | 1.2  
159 | 15



R4210

3.6 | 3.2  
3.4 | 1.2  
154 | 15



R4810

4.2 | 3.8  
4.0 | 1.6  
182 | 17



10 mm

R3012

3.0 | 2.5  
2.7 | 1.4  
137 | 10



R3512

3.4 | 3.2  
3.3 | 0.7  
164 | 17



R3812

3.7 | 3.4  
3.6 | 1.2  
190 | 12



R4212

3.5 | 3.2  
3.4 | 1.1  
182 | 12



R4812

4.1 | 3.8  
4.0 | 1.5  
217 | 14



12 mm

R3014

3.0 | 2.5  
2.5 | 1.4  
159 | 7.5



R3514

3.4 | 3.2  
3.2 | 0.7  
188 | 14



R3814

3.7 | 3.4  
3.5 | 1.1  
220 | 10



R4214

3.5 | 3.2  
3.3 | 1.1  
209 | 10



R4814

4.1 | 3.8  
3.9 | 1.4  
249 | 11



14 mm

R3016

2.9 | 2.4  
2.4 | 1.4  
178 | 6



R3516

3.3 | 3.2  
3.1 | 0.6  
215 | 12



R3816

3.6 | 3.4  
3.4 | 1.0  
249 | 9



R4216

3.4 | 3.2  
3.1 | 0.8  
234 | 10



R4816

4.0 | 3.8  
3.8 | 1.4  
285 | 10



16 mm

# ROOTT **R**



o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm);  
 $\alpha$  - total internal angle ( $^{\circ}$ ); s - intraosseous square area ( $\text{mm}^2$ ); i = internal.



∅ 5.5

∅ 6.5

∅ 7.5

∅ 8.5

o / L

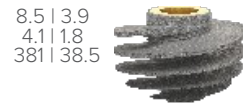
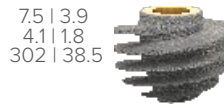
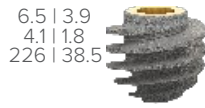
R5506

R6506

R7506

R8506

6 mm



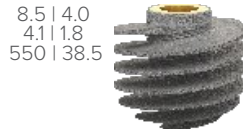
R5508

R6508

R7508

R8508

8 mm



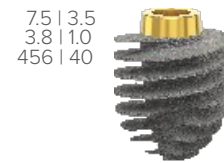
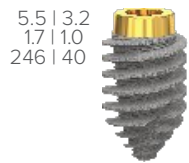
R5510

R6510

R7510

R8510

10 mm



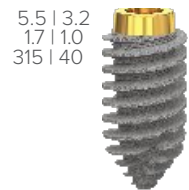
R5512

R6512

R7512

R8512

12 mm



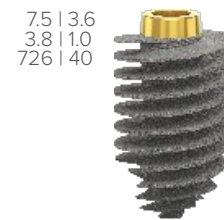
R5514

R6514

R7514

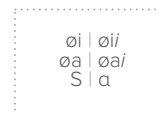
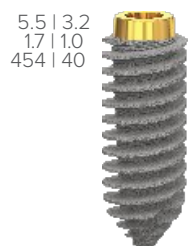
R8514

14 mm



R5516

16 mm



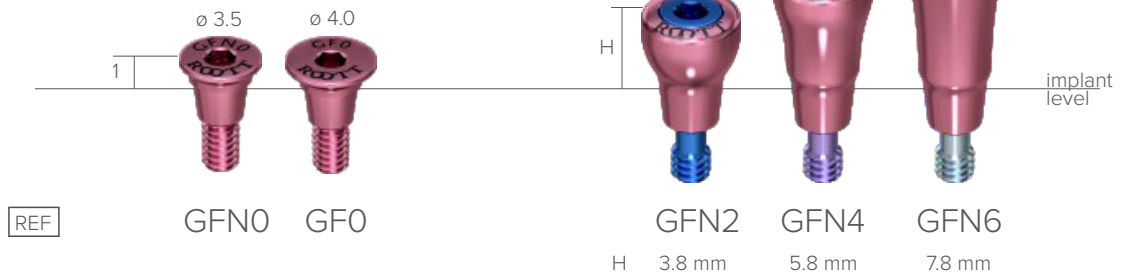
Ti6Al4V ELI

# Healing abutments

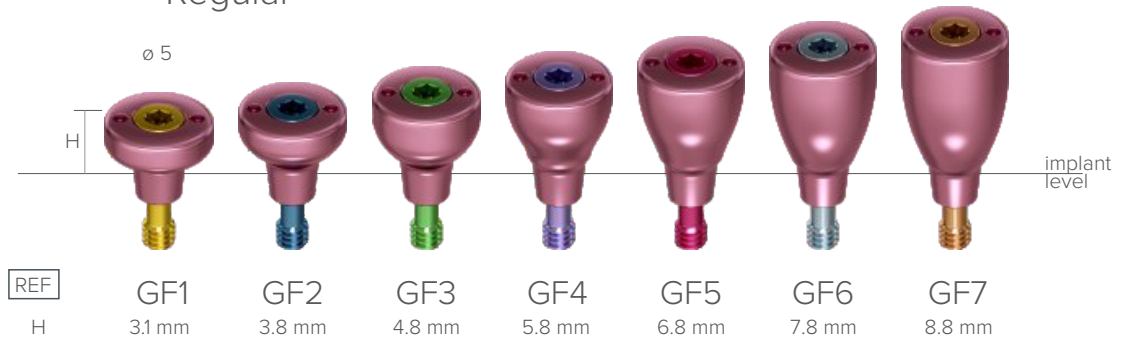


Instructions

## Bone build-up



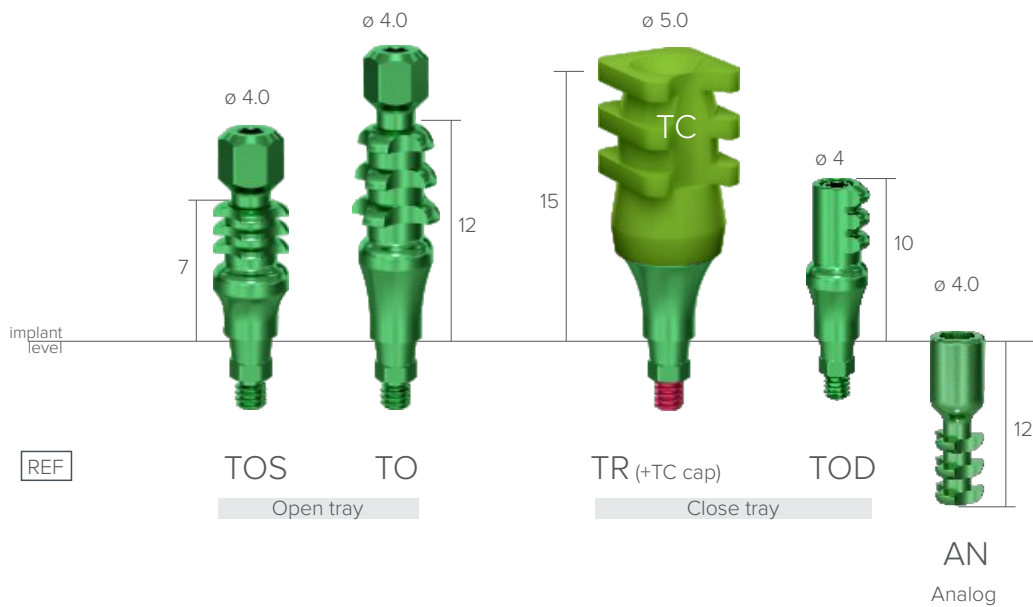
## Regular



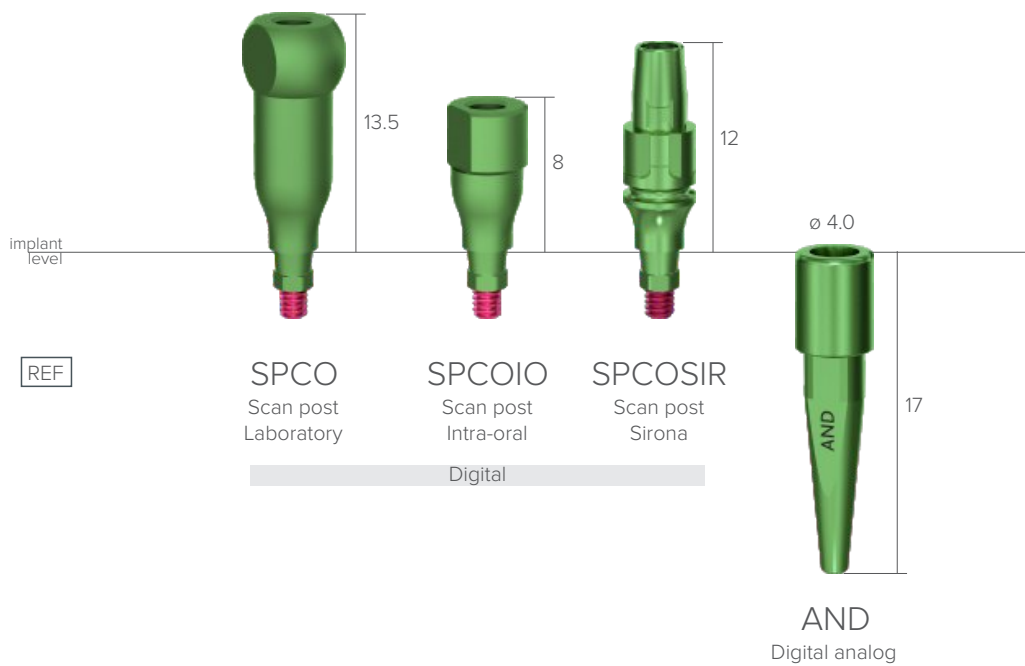
## One-piece



# Transfers & implant analogs



Instructions

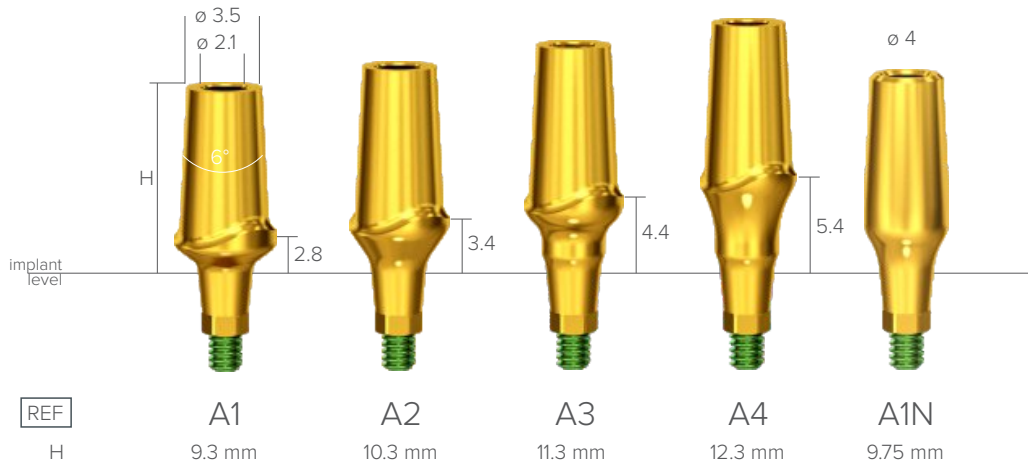


# Abutments

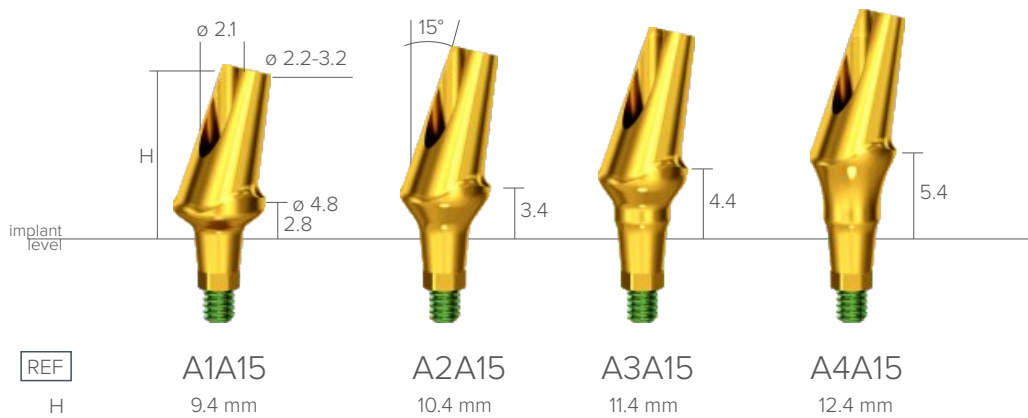


Instructions

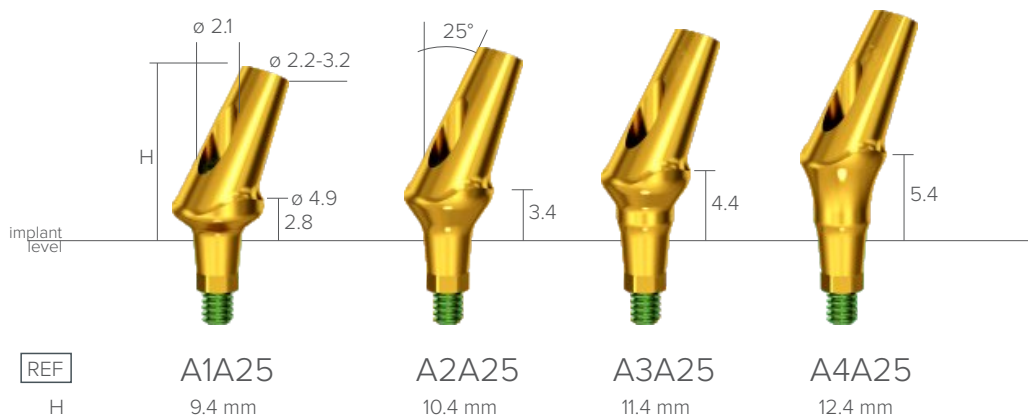
## Straight anatomical abutments



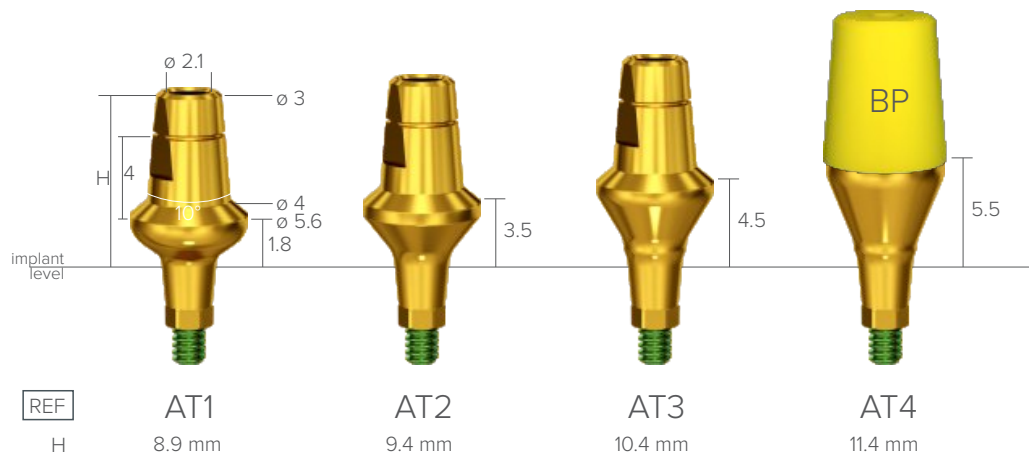
## 15° angled anatomical abutments



## 25° angled anatomical abutments



## Transgingival abutments



BP — free burn out part with each transgingival abutment

## How it works

Place BP cap on AT abutment



Adjust height by cutting



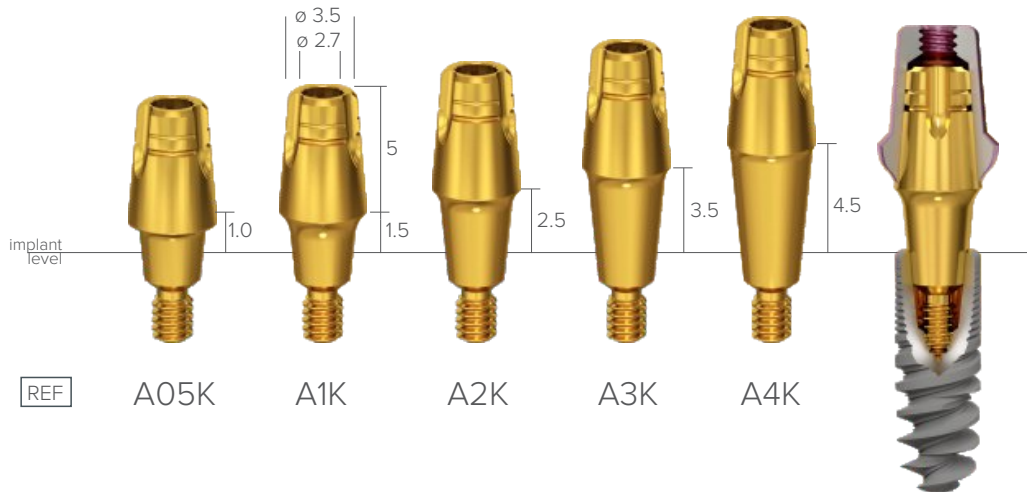
Use wax for modelling future crown



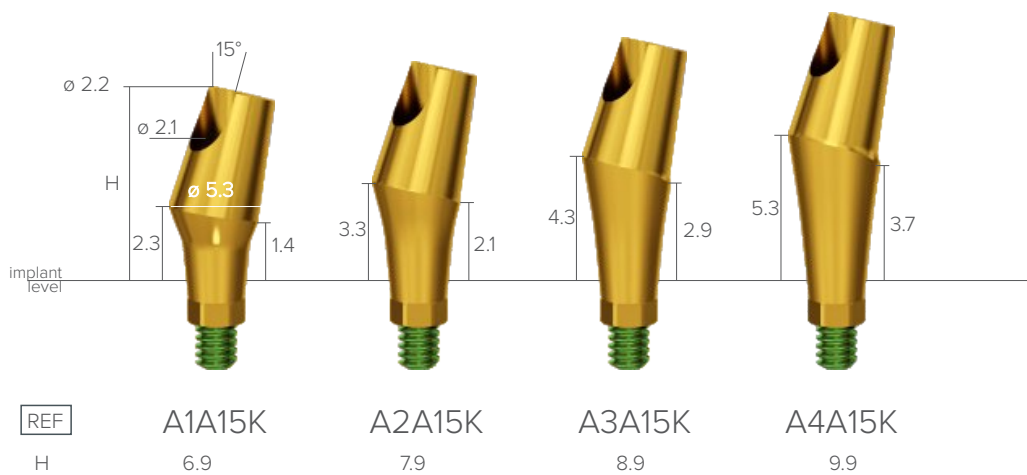
Fix crown to AT abutment



## One-piece abutments for telescopic fixation



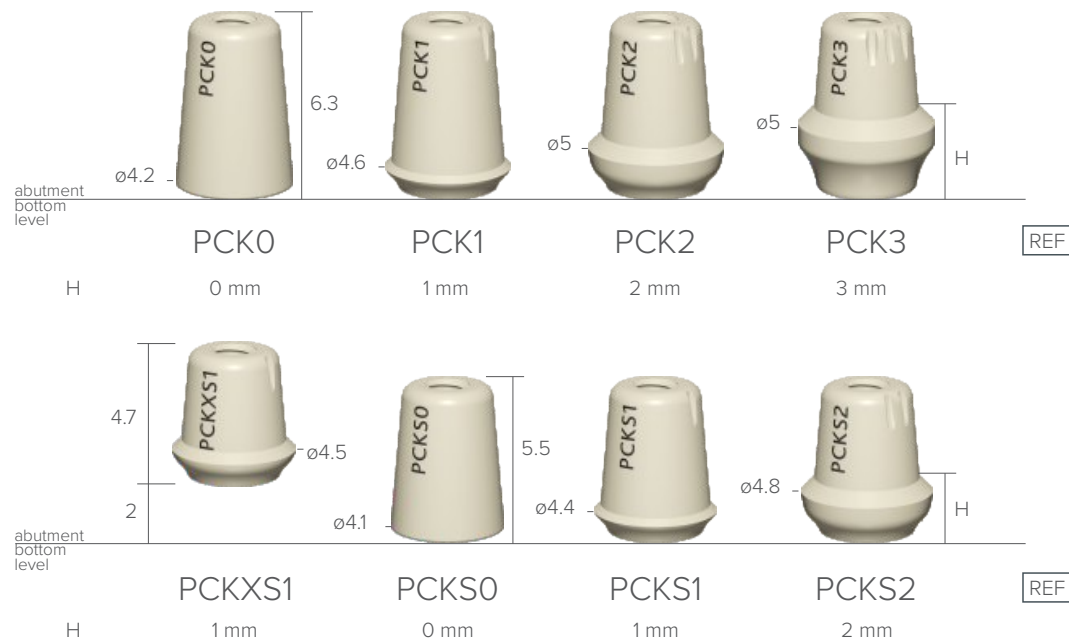
## Narrow abutments for telescopic fixation



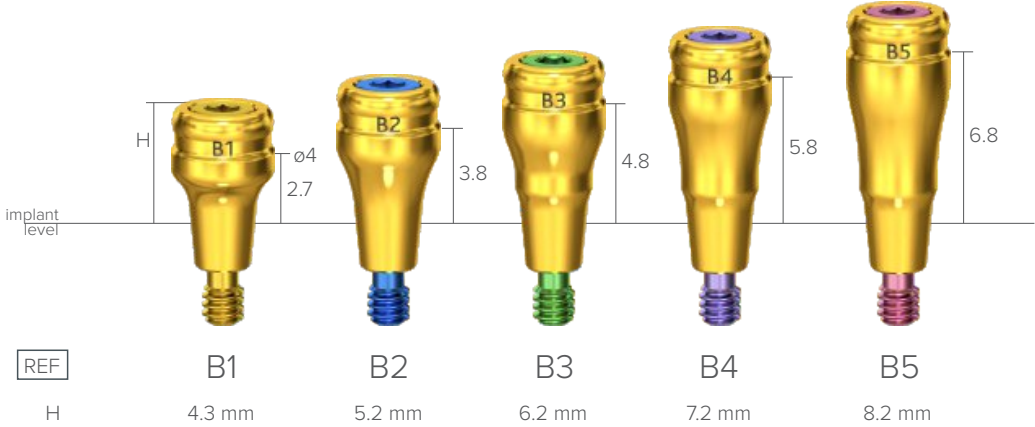
## Titanium abutments for telescopic fixation



## PEEK abutments for telescopic fixation



# Attachments



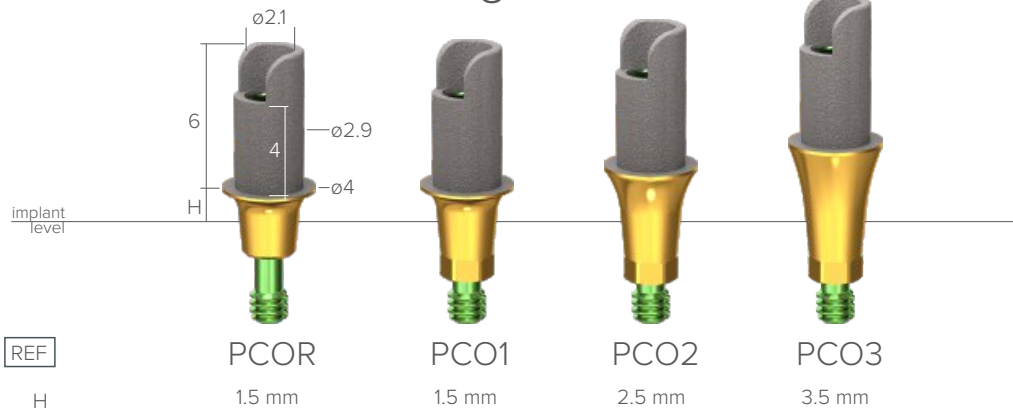
# Burn-out abutments



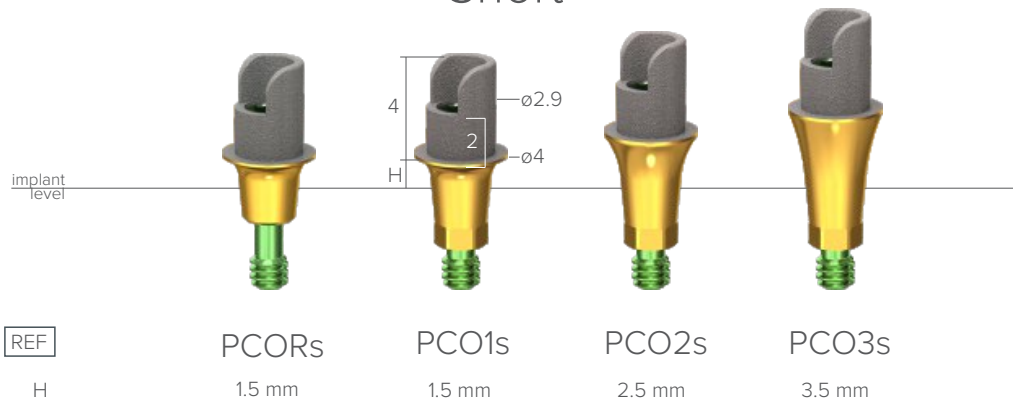


# Titanium base

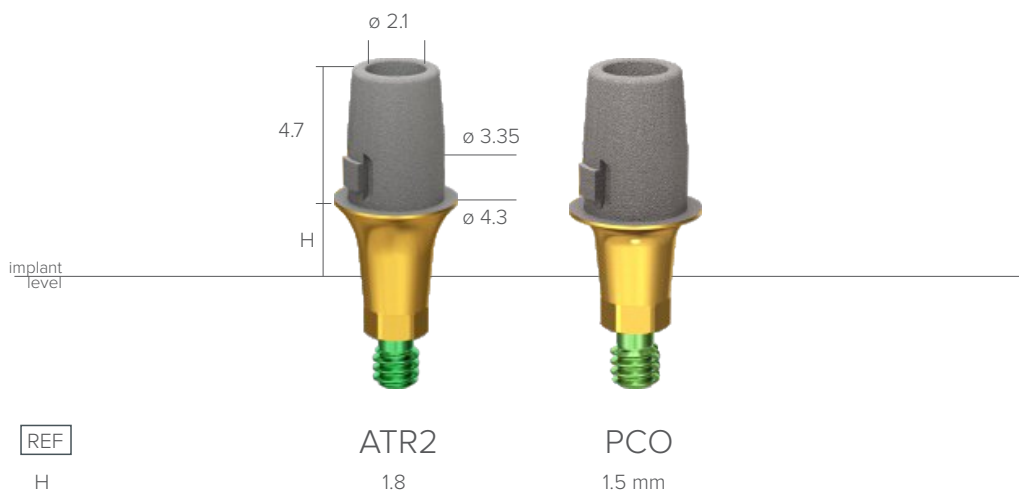
## Regular



## Short



## For Sirona



## Pre-milled abutments



PMAB  
Ø 11.5mm



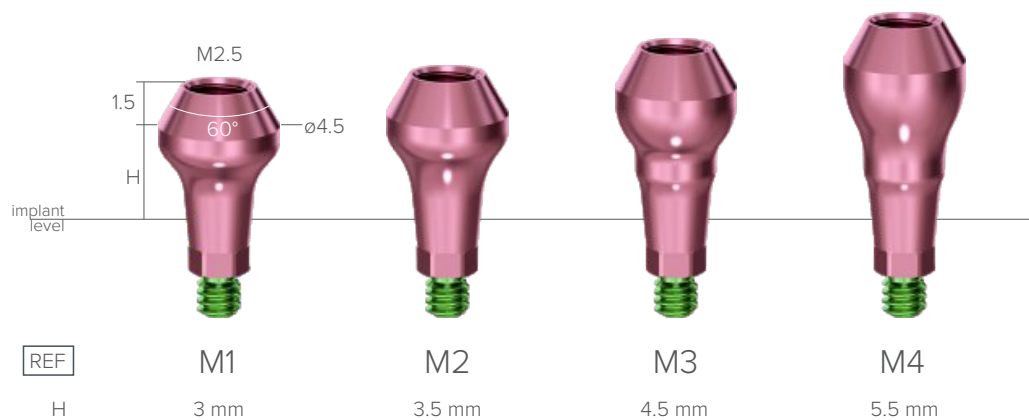
PMABP  
PEEK  
Ø 11.5mm

## Multi-unit abutments

### Small multi-unit abutments



### Regular multi-unit abutments



## 15° angled multi-unit abutments



## 30° angled multi-unit abutments

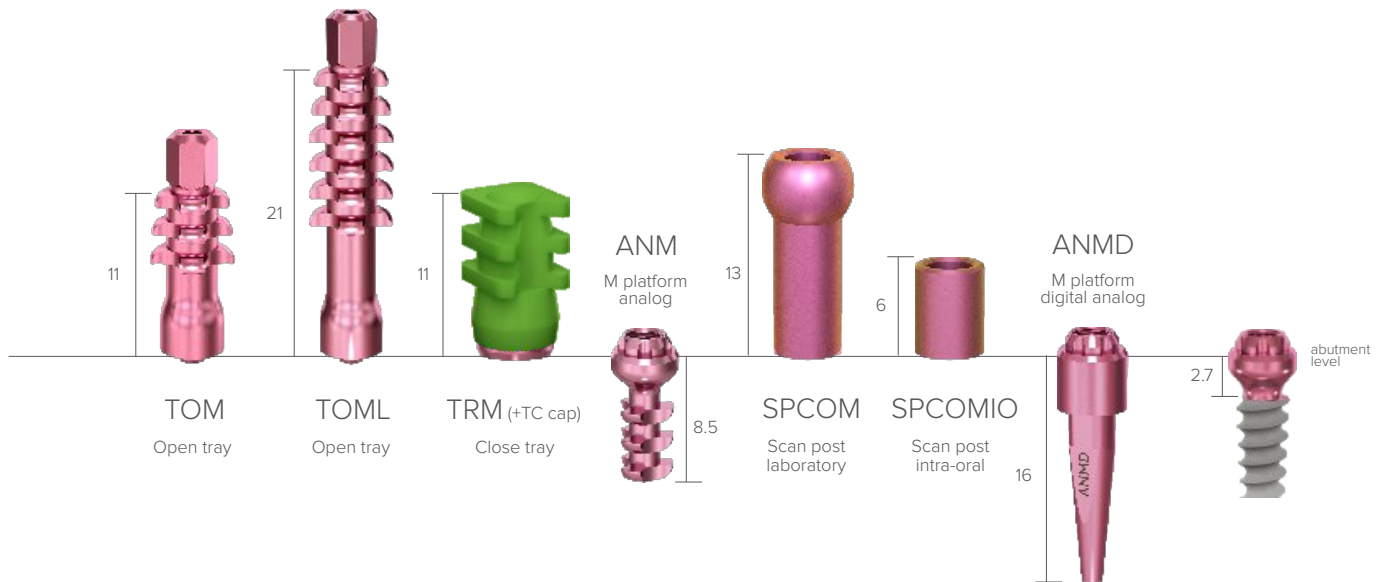


## 45° angled multi-unit abutments



# Superstructures for multi-unit abutments

## Transfers & analogs



## Abutments

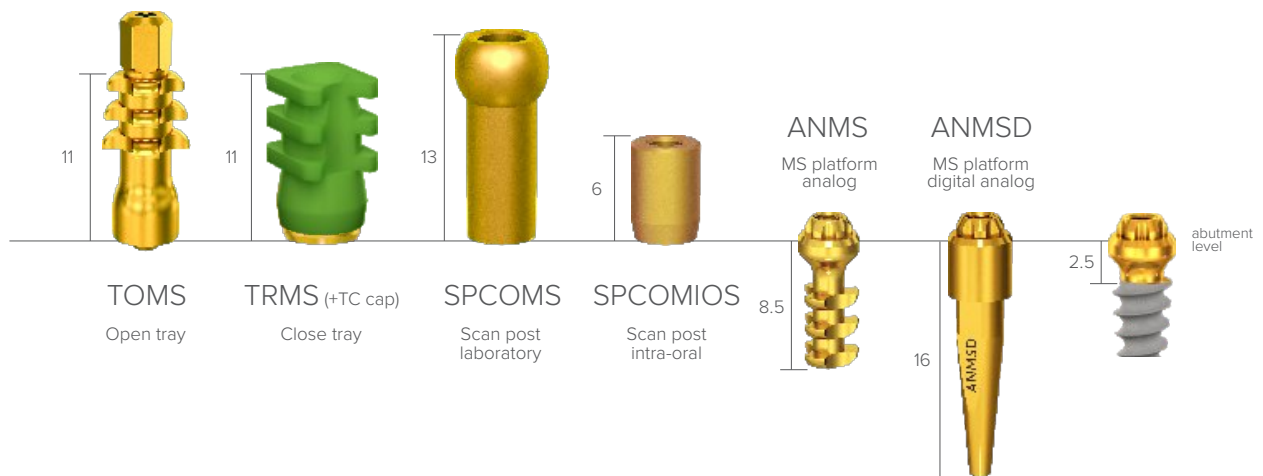


## Healing abutments

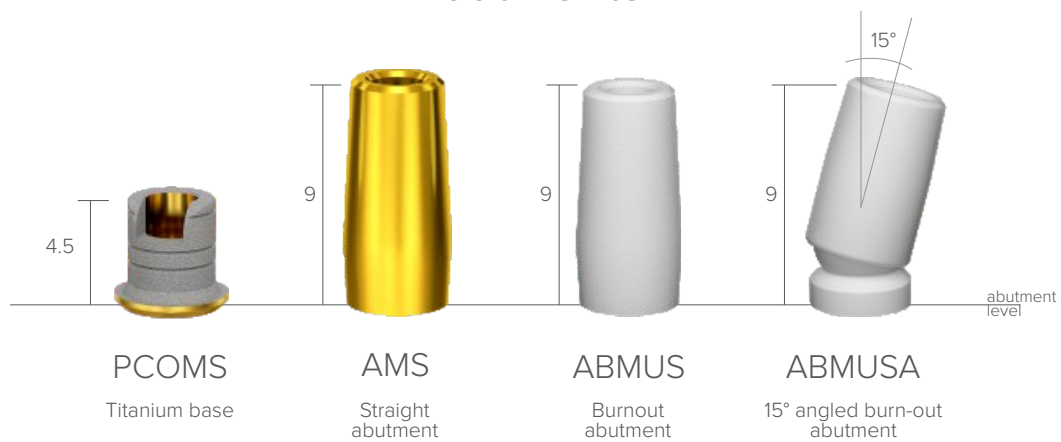


# Superstructures for small multi-unit abutments

## Transfers & analogs



## Abutments



## Healing abutments



# ROOTT **C**

Cement & telescopic retained

One-piece implant

## Simple solution to bone atrophy

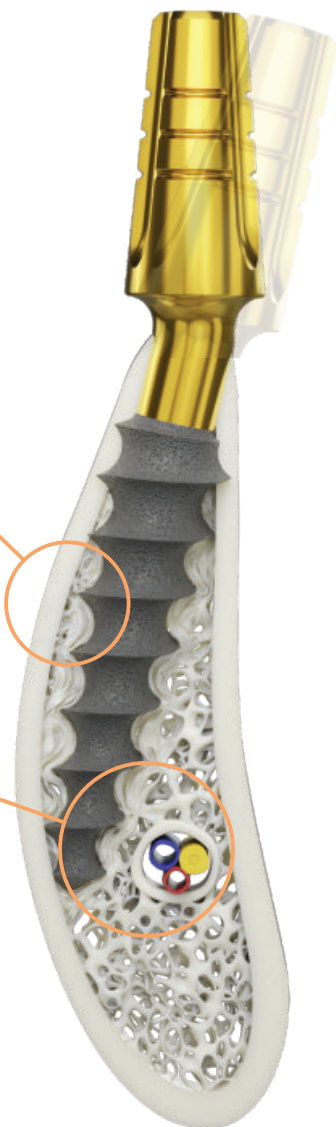
One-piece implant for more comfort and simplicity with a bendable neck for up to 15°. It ensures extreme time and cost-saving, which also comes with less complications and more patient acceptance.

Due to its thin design, excellent fit for narrow ridge and ensured safety due to the alveolar canal nerve bypass. Developed for single and multiple restorations.

Condensing thread



Avoiding inferior alveolar canal nerve



ROOTT C



Together with special condensing threads and embedded abutment with no microgaps, implant achieves excellent initial stability from the very beginning.



Significant time & cost saving



Immediate loadings



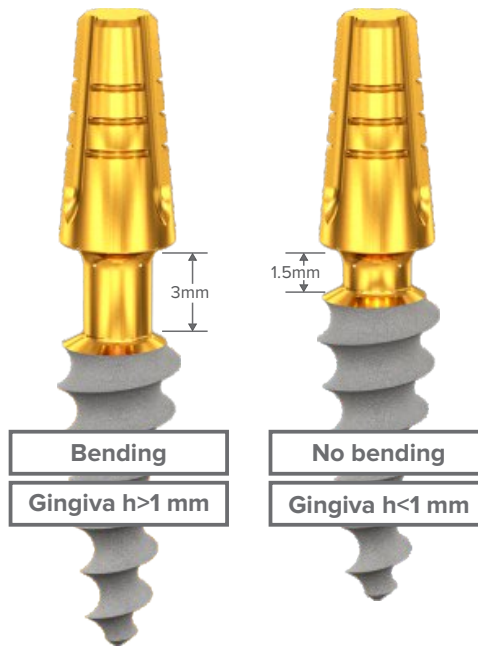
Excellent for narrow ridge



May avoid bone augmentation

ROOTT **C**

ROOTT **CS**



## Prosthetic variety

Cement retain with trimmable external platform, burnouts or cement-free option with patented telescopic abutments.

Telescopic



5mm  
4mm  
3mm



## Easy management



TRS



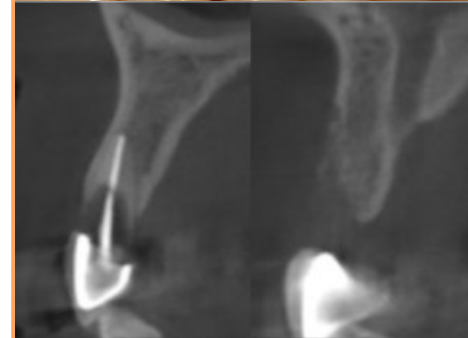
TRS-mini

## Clinical cases



By Dr. Alvaro Bastida

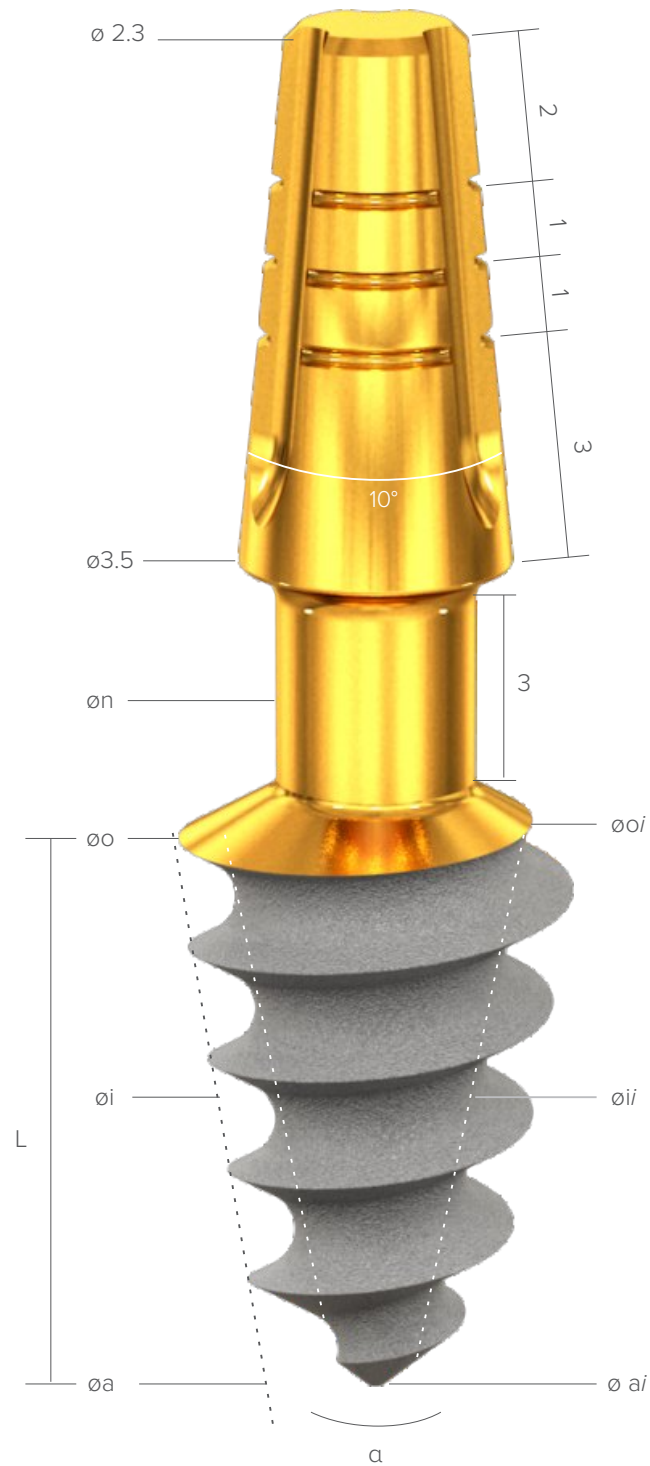
“FILO System is suitable in all clinical cases. Even esthetic area, narrow spaces, post-extraction and soft tissues management”



More cases



# ROOTT



o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter;  
 $\alpha$  - total internal angle (°); s - intraosseous square area (mm<sup>2</sup>); i = internal.






L / o	ø 3.0	ø 3.5	ø 4.0	ø 4.5	ø 5.0	ø 5.5	ø 6.5	ø 7.5	ø 8.5
	oi 2.05 n 2.05	oi 2.46 n 2.05	oi 2.95 n 2.05	oi 3.05 n 2.35	oi 3.55 n 2.35	oi 4.04 n 2.55	oi 4.0 n 2.55	oi 4.0 n 2.55	oi 4.04 n 2.55
6 mm	 C3006 2.4   1.4 1.9   0.9 45   12	 C3506 2.6   1.6 1.9   0.9 49   17	 C4006 3.1   2.0 2.4   1.2 59   18	 C4506 3.5   2.1 2.9   1.4 73   18	 C5006 3.9   2.4 3.2   1.7 82   21	 C5506 4.1   2.7 3.2   1.8 88   27	 C6506 5.1   2.6 4.5   1.9 126   27	 C7506 6.1   2.3 5.8   2.6 144   27	 C8506 7.1   2.7 7.1   2.6 158   26
8 mm	 C3008 2.4   1.4 1.9   0.9 59   19	 C3508 2.6   1.6 1.9   0.9 65   13	 C4008 3.1   2.0 2.4   1.2 80   13	 C4508 3.6   2.2 2.9   1.4 100   13	 C5008 4.0   2.5 3.2   1.8 113   15	 C5508 4.2   2.7 3.2   1.8 121   19	 C6508 5.2   2.7 4.4   1.9 177   19	 C7508 6.2   2.6 5.6   2.1 208   19	 C8508 7.2   2.7 6.7   2.3 231   19
10 mm	 C3010 2.4   1.4 1.9   0.9 74   17	 C3510 2.6   1.6 1.9   0.9 82   10	 C4010 2.9   1.8 1.9   0.8 92   13	 C4510 3.4   1.9 2.4   1.0 117   13	 C5010 3.7   2.2 2.6   1.2 131   15	 C5510 3.8   2.4 2.5   1.0 139   19	 C6510 4.9   2.4 3.6   1.2 211   19	 C7510 5.8   2.7 4.5   2.4 251   19	 C8510 3.8   2.4 2.5   1.0 287   19
12 mm	 C3012 2.3   1.3 1.7   0.7 86   6	 C3512 2.6   1.6 1.8   0.8 97   19	 C4012 2.8   1.8 1.8   0.8 109   11	 C4512 3.3   1.9 2.4   0.9 139   11	 C5012 3.8   2.4 2.8   1.4 163   12	 C5512 3.9   2.5 2.5   1.1 167   16	 C6512 4.9   2.4 3.6   1.2 258   16	 C7512 5.9   2.4 4.8   1.3 309   16	 C8512 6.9   2.4 5.9   1.4 357   16
14 mm	 C3014 2.4   1.3 1.9   0.7 99   5	 C3514 2.6   1.5 1.8   0.7 111   8	 C4014 2.9   1.8 1.8   0.8 128   10	 C4514 3.3   1.9 2.3   0.9 162   10	 C5014 3.6   2.2 2.4   0.9 179   12	 C5514 3.8   2.3 2.3   0.8 191   14	 C6514 4.8   2.4 3.4   0.9 297   14	 C7514 5.8   2.4 4.5   1.1 359   14	 C8514 6.8   2.4 5.6   1.2 415   14
16 mm	 C3016 2.4   1.4 1.7   0.8 118   4	 C3516 2.6   1.6 1.8   0.8 129   6	 C4016 2.9   1.8 1.8   0.8 146   8	 C4516 3.3   1.9 2.3   0.8 184   9					
18 mm	 C3018 2.4   1.3 1.7   0.7 128   4	 C3518 2.6   1.7 1.8   0.8 146   6	 C4018 2.9   1.8 1.8   0.8 164   7	 C4518 3.3   1.9 2.2   0.8 206   8					
20 mm	 C3020 2.4   1.3 1.7   0.7 143   4	 C3520 2.6   1.6 1.8   0.7 161   5	 C4020 2.9   1.8 1.8   0.7 180   7	 C4520 3.3   1.9 2.2   0.8 229   7					

oi | oii  
oa | oai  
S | a

Ti6Al4V ELI




# ROOTT CS

## ROOTT C

- Bendable 
- Gingiva H<1 mm 
- Sinus area 



## ROOTT CS

-  Bendable
-  Gingiva H<1 mm
-  Sinus area



L / o

ø 4.0

ø 4.5

6 mm



C4006s

3.1 | 2.0  
2.4 | 1.2  
59 | 18



C4506s

3.5 | 2.1  
2.9 | 1.4  
73 | 18

8 mm



C4008s

3.1 | 2.0  
2.4 | 1.2  
80 | 13



C4508s

3.6 | 2.2  
2.9 | 1.4  
100 | 13

10 mm



C4010s

2.9 | 1.8  
1.9 | 0.8  
92 | 13



C4510s

3.4 | 1.9  
2.4 | 1.0  
117 | 13



Ti6Al4V ELI

# ROOTT **B** **BS**

Cement & telescopic retained

One-piece implant



Avoids bone grafting



Time & cost saving



Immediate loadings



Extraction sockets  
Healed bone

## Especially effective in atrophic bone with bi-cortical engagement

ROOTT B and ROOTT BS one-piece implants are designed for deficient bone in height and width. It provides efficiency in time and costs, with a bending option and a very sharp thread to enter corticalized and medullary bone. Designed to bypass the mandibular nerve, and for engagement of the cortical bone at the fusion of the pterygoid with the maxilla. Can be used with ROOTT C implants



## Bending

Abutment direction can be adjusted up to 15° relative to the implant axis, when implant neck is equal or longer than 3mm.



## Surface

ROOTT B implant surface is polished for protection from bacteria accumulation

**B** **BS**



ROOTT BS is RBM blasted and anodized. RBM surface provides:

- high BIC\*
- great osseointegration
- high success rate

\*Bone-to-implant connection

## Sizes

Ø: 3.5–10.5mm  
L: 6–26mm

Ø: 3.5–4.5mm  
L: 6–26mm

## Prosthetic variety

Cement retain with trimmable external platform, burnouts or cement-free option with patented telescopic abutments.

Telescopic



5mm  
4mm  
3mm



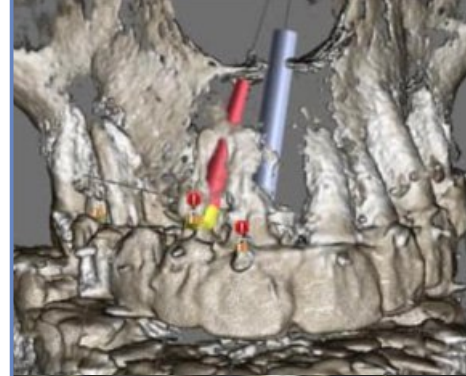
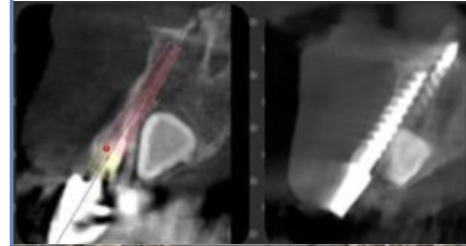
## Easy management



## Clinical cases



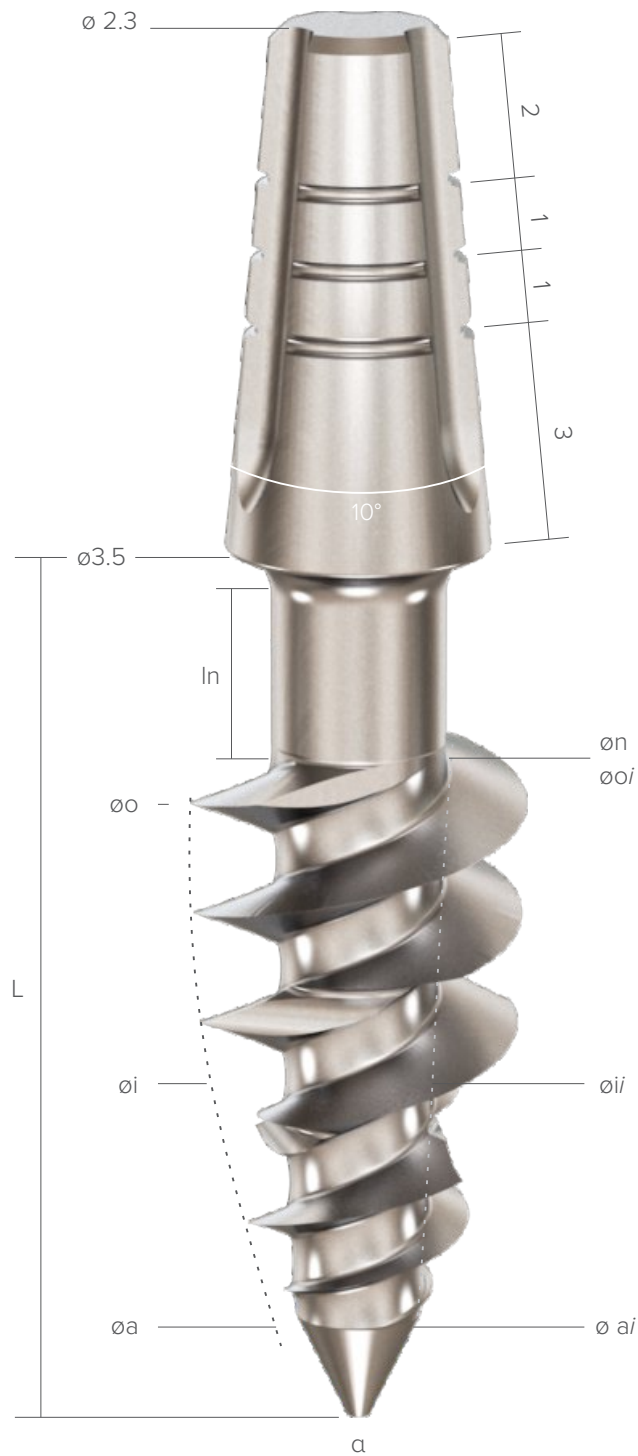
By Dr. Ariel Pedernera



More cases



# ROOTT B



o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter;  
 $\alpha$  - total internal angle (°); s - intraosseous square area (mm<sup>2</sup>); i = internal.

ø / L	6 mm	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	22 mm	24 mm	26 mm
	In 1.5	In 3	In 3	In 3	In 5	In 7	In 7	In 7	In 7	In 7	In 7

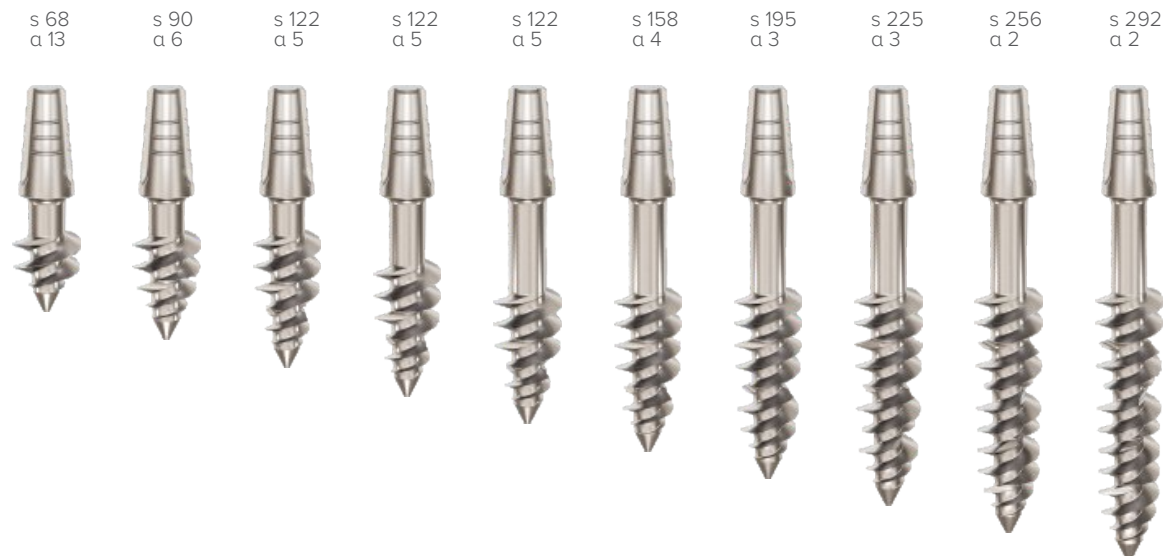
ø 3.5    B3506   B3508   B3510   B3512   B3514   B3516   B3518   B3520   B3522   B3524   B3526

øi 3.1  
øii 1.6  
øai 1.4  
n 2.05



ø 4.5    B4508   B4510   B4512   B4514   B4516   B4518   B4520   B4522   B4524   B4526

øi 4.2  
øii 2.0  
øai 1.7  
n 2.35



ø 5.5    B5508   B5510   B5512   B5514   B5516   B5518   B5520

øi 4.3  
øii 2.1  
øai 1.4  
n 2.35



o / L	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm
	In 1.5	In 3	In 3	In 5	In 7	In 7

ø 6.5	B6508	B6510	B6512	B6514	B6516	
-------	-------	-------	-------	-------	-------	--

øi 5.5  
øii 1.7  
øai 1.4  
n 2.35

s 120  
a 10



s 113  
a 9



s 132  
a 7



s 150  
a 6



s 145  
a 6



ø 8.5	B8508	B8510	B8512	B8514	B8516	B8518
-------	-------	-------	-------	-------	-------	-------

øi 7.3  
øii 1.7  
øai 1.7  
n 2.35

s 143  
a 10



s 117  
a 9



s 116  
a 9  
In 5



s 118  
a 9  
In 7



s 264  
a 6



s 351  
a 6



ø 10.5

øi 7.1  
øii 1.9  
øai 1.7  
n 2.35

B1110

s 145  
a 5



B1112

s 145  
a 5  
In 5



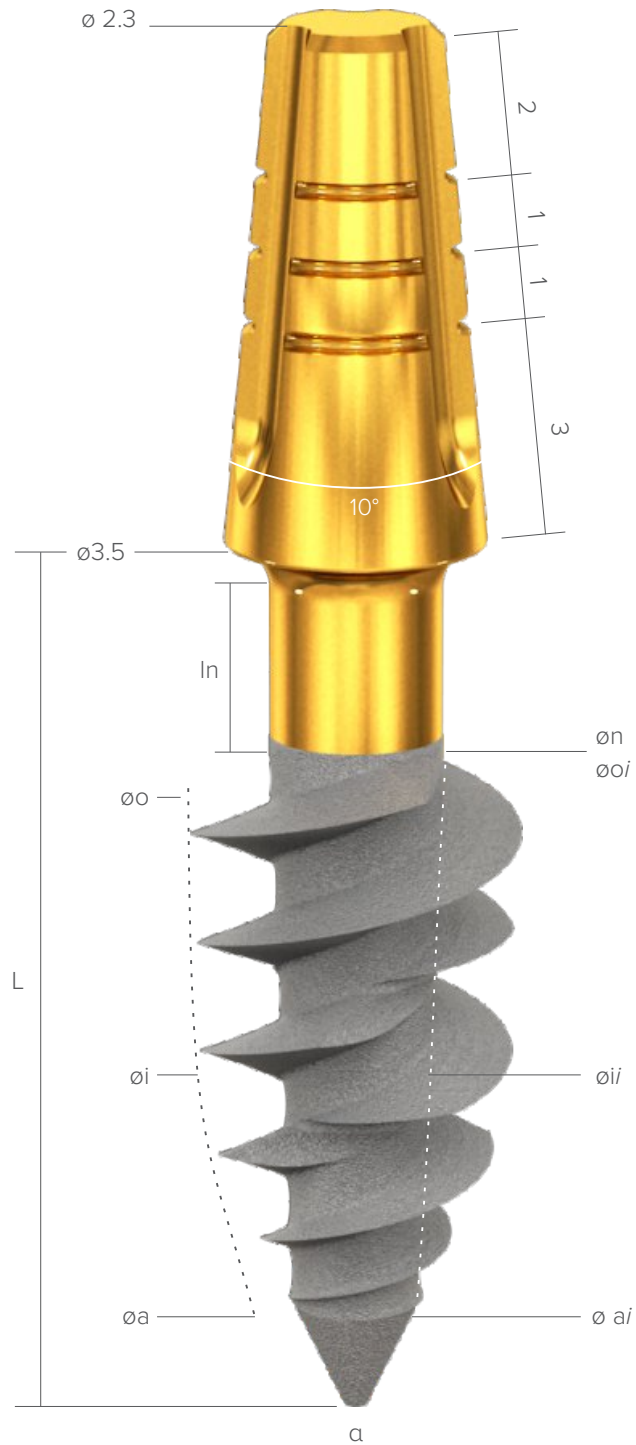
B1114

s 145  
a 5  
In 7





# ROOTT BS



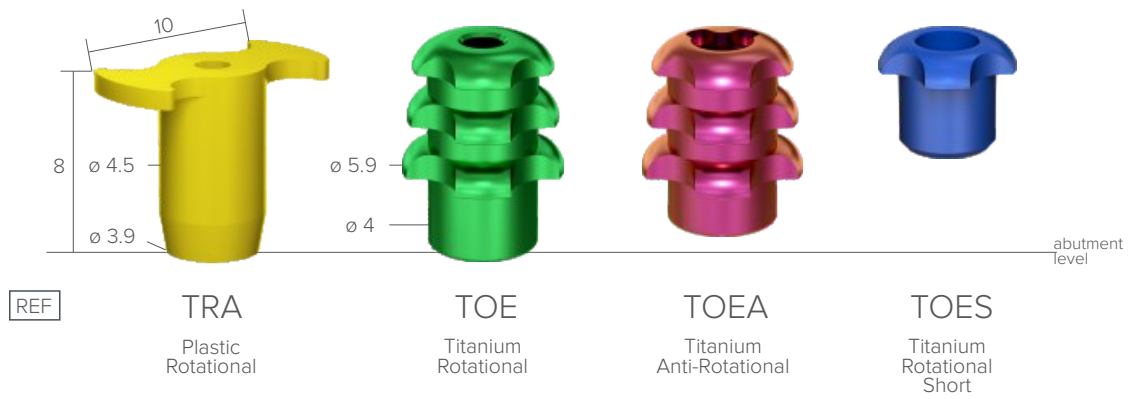
o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter;  
 $\alpha$  - total internal angle (°); s - intraosseous square area (mm<sup>2</sup>); i = internal.

o / L	6 mm	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	22 mm	24 mm	26 mm
	In 1.5	In 3	In 3	In 3	In 5	In 7	In 7	In 7	In 7	In 7	In 7
∅ 3.5	B3506ss	B3508ss	B3510ss	B3512ss	B3514ss	B3516ss	B3518ss	B3520ss	B3522ss	B3524ss	B3526ss
∅i 3.1 ∅ii 1.6 ∅ai 1.4 n 2.05	s 73 a 18	s 45 a 13	s 60 a 6	s 80 a 5	s 80 a 5	s 80 a 5	s 103 a 4	s 126 a 3	s 146 a 3	s 165 a 2	s 188 a 2
											

∅ 4.5	B4506ss	B4508ss	B4510ss	B4512ss	B4514ss	B4516ss	B4518ss	B4520ss
∅i 4.2 ∅ii 2.0 ∅ai 1.7 n 2.35	s 116 a 13	s 68 a 9	s 90 a 6	s 122 a 5	s 122 a 5	s 122 a 5	s 158 a 4	s 195 a 3
								

# External platform

## Transfers



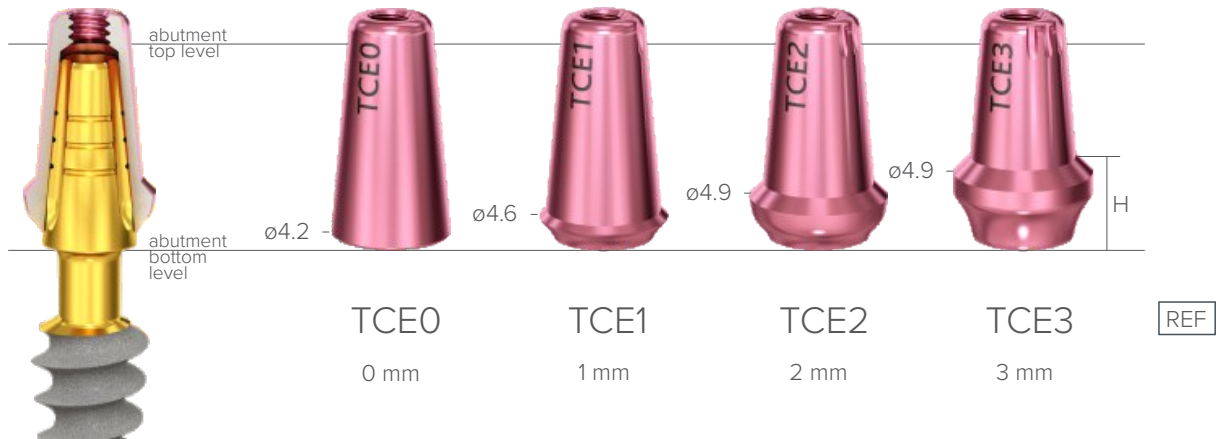
## Analogs



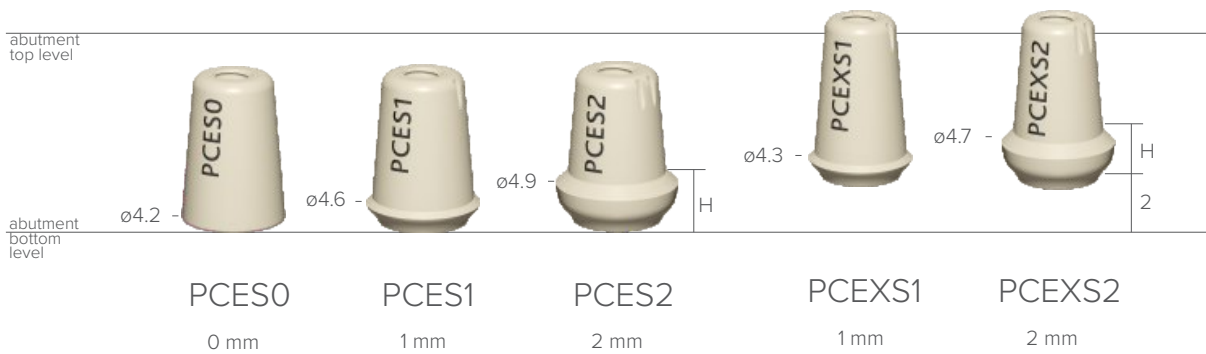
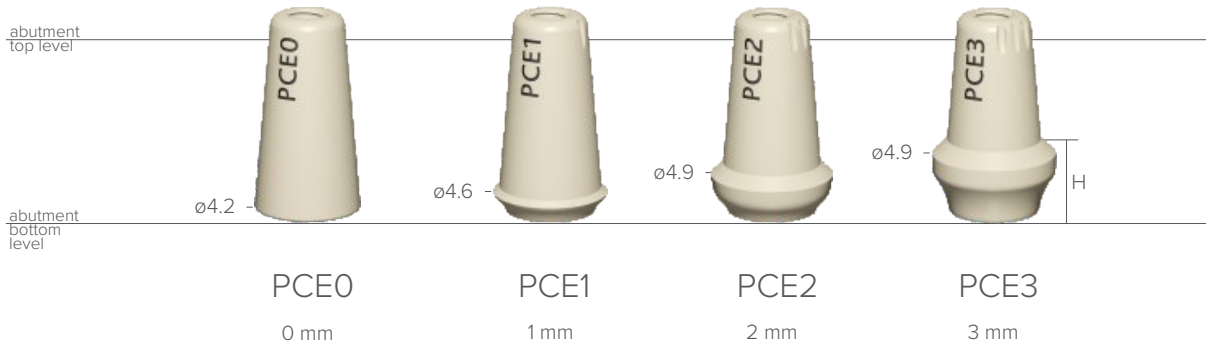
## Healing abutments



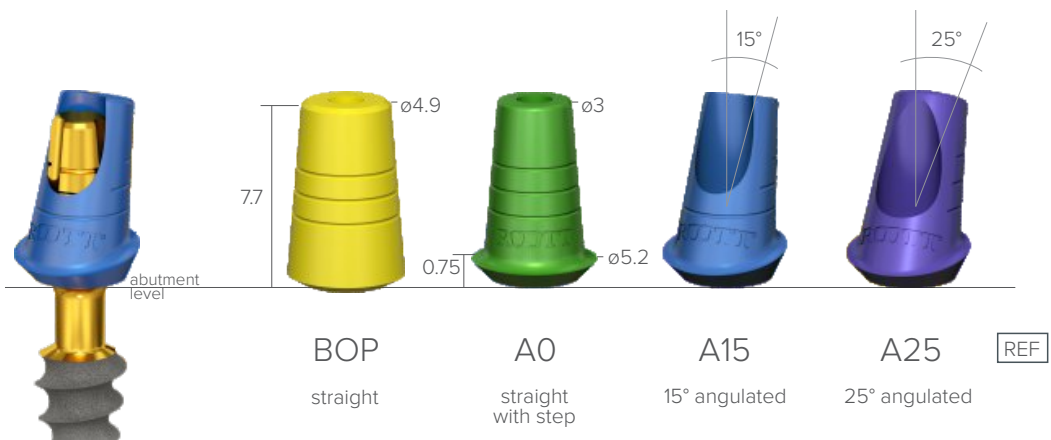
# Telescopic abutments, titanium



# Telescopic abutments, PEEK

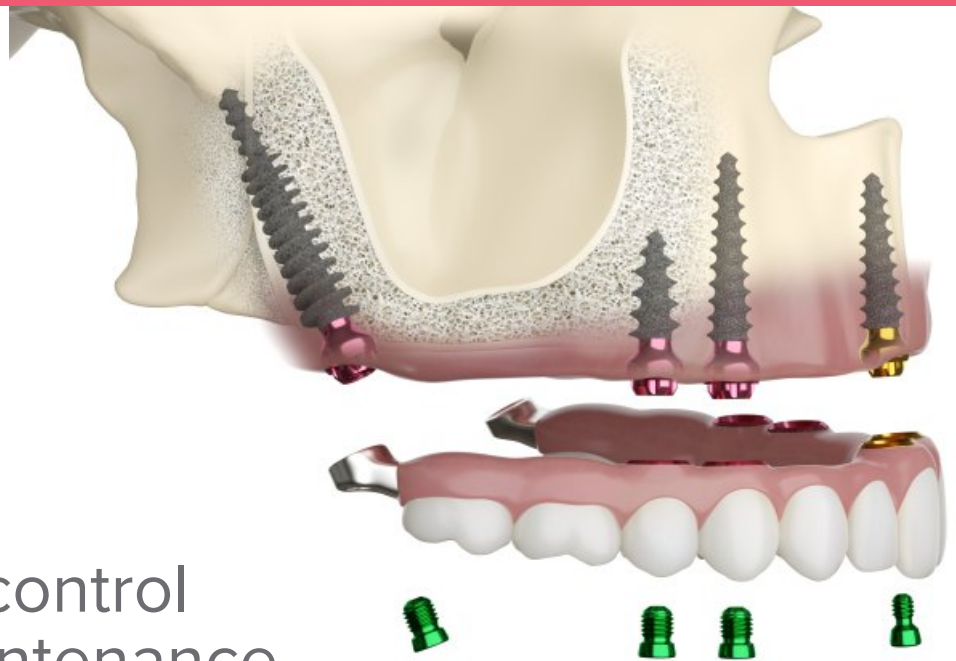


# Burn-out abutments



One-piece implant

Screw retained



## Complete control & easy maintenance

Screw-retained restorations represent a secure and easy way to repair, maintain prosthesis, and treat peri-implant tissue inflammations more efficiently without damaging the suprastructure. ROOTT P, ROOTT M, ROOTT S are designed to use in combination for a cement-free full jaw restoration with 60 degrees between implant axes. Also, can be used with all ROOTT implants.

### ROOTT **P**



Long enough to tolerate the distance between pterygoid area and maxilla

Ø 2.5 prosthetic screw

Extreme condensing threads for excellent stability

L 16–26mm  
Ø 3.5–4.5mm

### ROOTT **M**



Designed for posterior jaw area

Ø 2.5 prosthetic screw

Condensing threads

L 6–20mm  
Ø 3.5–4.5mm

### ROOTT **S**



Excellent aesthetics in front jaw bone

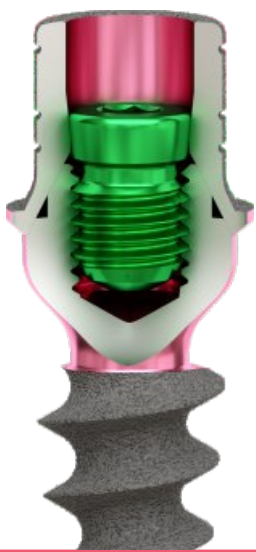
Ø 1.8 prosthetic screw

Condensing threads

L 8–16mm  
Ø 3–3.5mm

- ✔ Less invasive
- 🕒 Immediate loadings
- 🔪 Avoids sinus lift & bone grafting
- 👓 Multiple restoration

## Ultra resistant Ø2.5 mm screw



- 🔩 Easy handling  
Less likely losing a screw
- 🦷 Excellent fixation  
Withstands occlusal forces

## Easy management



TRS



TRS-mini



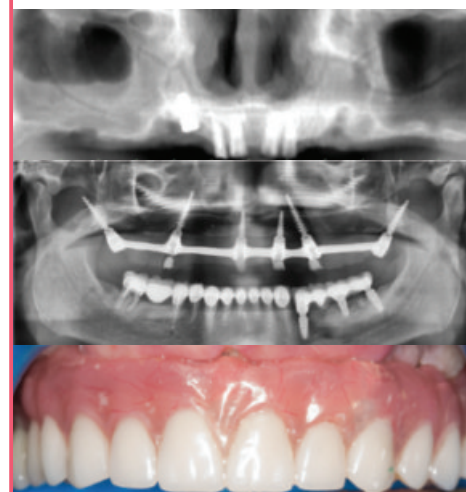
## Clinical cases



By Med. Dent. Henri Diedrich



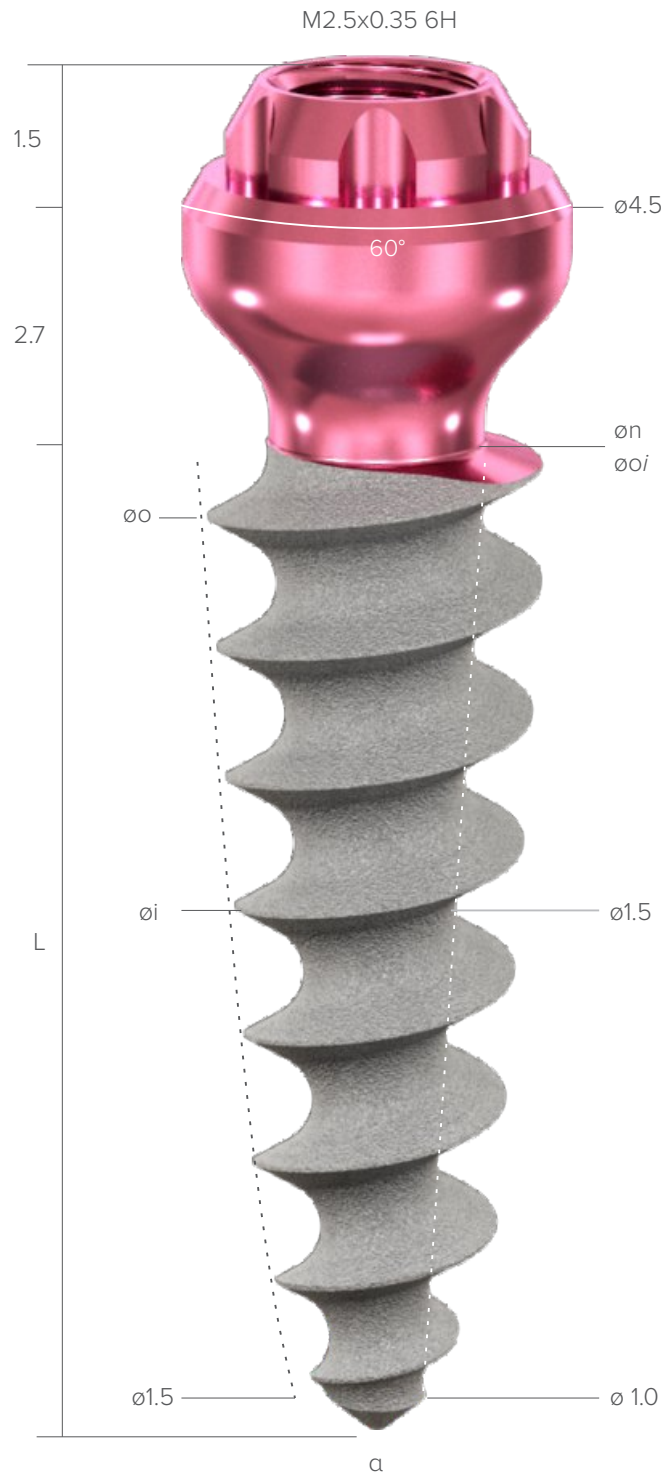
By Dr. Daniel Saad



More cases







































# ROOTT M

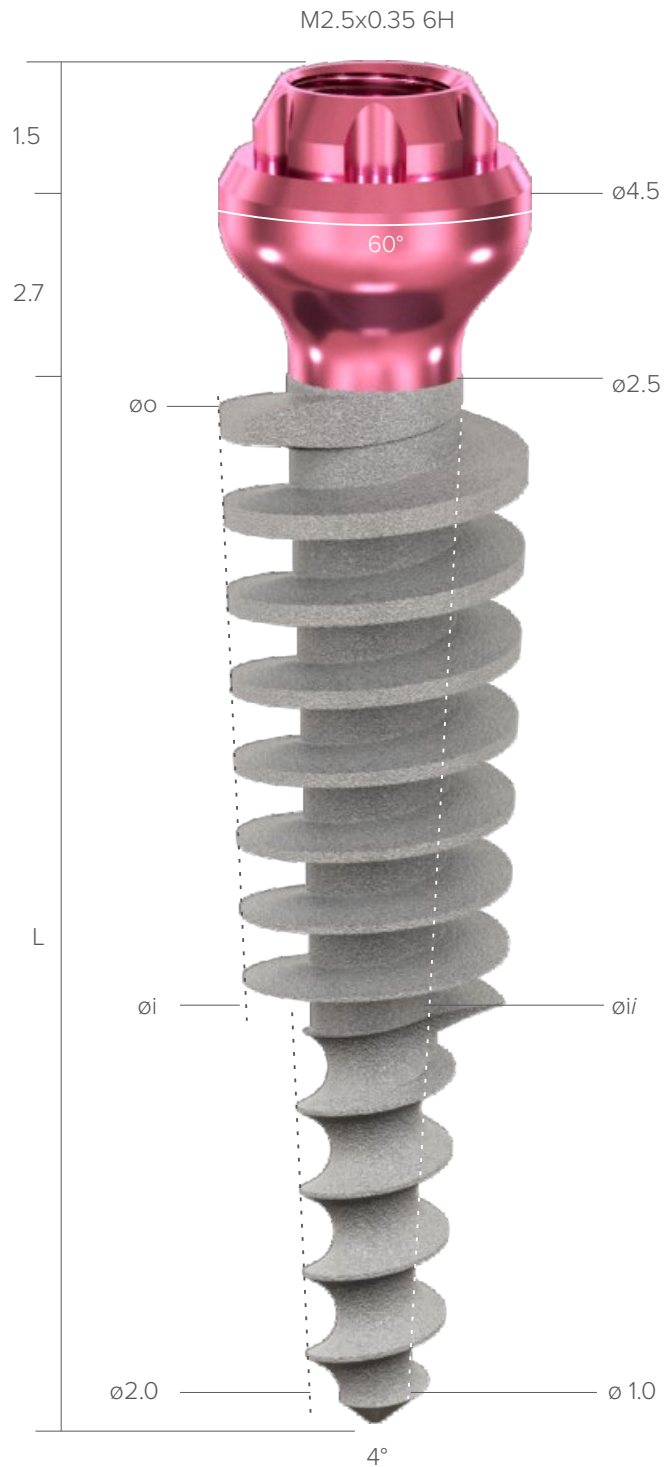


o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter;  
α - total internal angle (°); s - intraosseous square area (mm<sup>2</sup>); i = internal.



o / L	6 mm	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm
ø 3.0		C3008m	C3010m	C3012m	C3014m	C3016m	C3018m	C3020m
øi 2.5 n 2.05		s 63 a 8 	s 79 a 6 	s 95 a 5 	s 112 a 4 	s 128 a 4 	s 145 a 3 	s 161 a 3 
ø 3.5	C3506m	C3508m	C3510m	C3512m	C3514m	C3516m	C3518m	C3520m
øi 2.8 n 2.05	s 54 a 15 	s 72 a 11 	s 91 a 9 	s 109 a 7 	s 127 a 6 	s 146 a 6 	s 164 a 5 	s 182 a 5 
ø 4.0	C4006m	C4008m	C4010m	C4012m	C4014m	C4016m		
øi 3.3 n 2.55	s 63 a 15 	s 86 a 11 	s 108 a 9 	s 130 a 7 	s 152 a 6 	s 174 a 6 		
ø 5.0	C5006m	C5008m	C5010m	C5012m	C5014m			
øi 4.3 n 2.55	s 82 a 15 	s 111 a 11 	s 141 a 9 	s 170 a 7 	s 200 a 6 			
ø 6.0	C6006m	C6008m	C6010m	C6012m	C6014m			
øi 5.3 n 2.55	s 124 a 15 	s 175 a 11 	s 219 a 9 	s 266 a 7 	s 313 a 6 			
ø 8.0	C8006m	C8008m	C8010m	C8012m	C8014m			
øi 7.3 n 2.55	s 321 a 15 	s 462 a 11 	s 596 a 9 	s 731 a 7 	s 865 a 6 			

# ROOTT P



o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter;  
α - total internal angle (°); s - intraosseous square area (mm<sup>2</sup>); i = internal.

o / L      16 mm                  18 mm                  20 mm                  22 mm                  24 mm                  26 mm

ø 3.5      C3516mp      C3518mp      C3520mp      C3522mp      C3524mp      C3526mp

i 2.8  
i/ 1.7  
s 175

i 2.7  
i/ 1.7  
s 198

i 2.5  
i/ 1.5  
s 220

i 2.6  
i/ 1.5  
s 248

i 2.6  
i/ 1.5  
s 274

i 2.6  
i/ 1.5  
s 297



ø 4.5      C4516mp      C4518mp      C4520mp      C4522mp      C4524mp      C4526mp

i 3.9  
i/ 1.8  
s 251

i 3.7  
i/ 1.7  
s 290

i 3.6  
i/ 1.5  
s 329

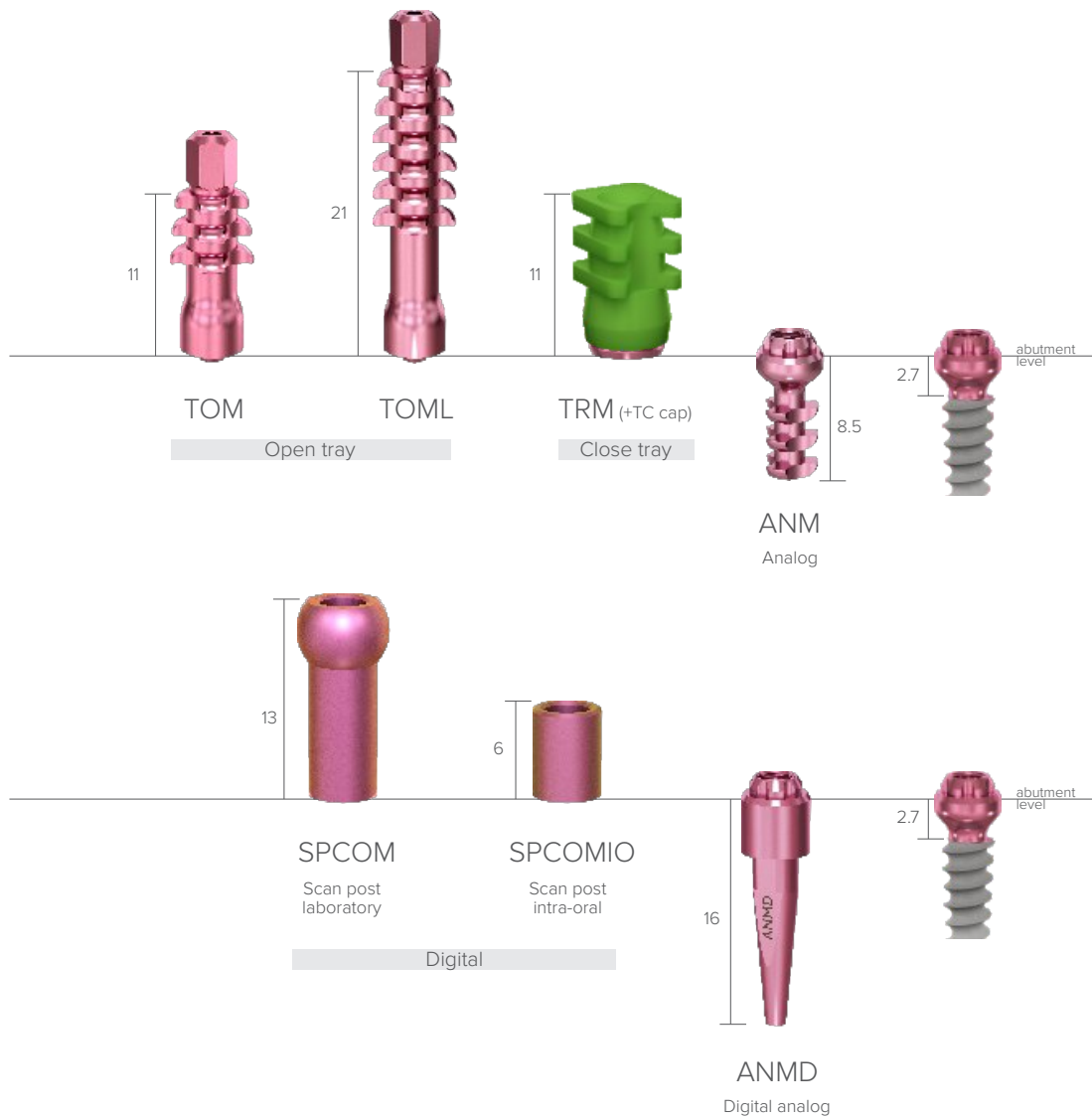
i 3.4  
i/ 1.4  
s 369

i 3.3  
i/ 1.2  
s 402

i 3.3  
i/ 1.3  
s 443



# Transfers & implant analogs



# Abutments



# Healing abutments

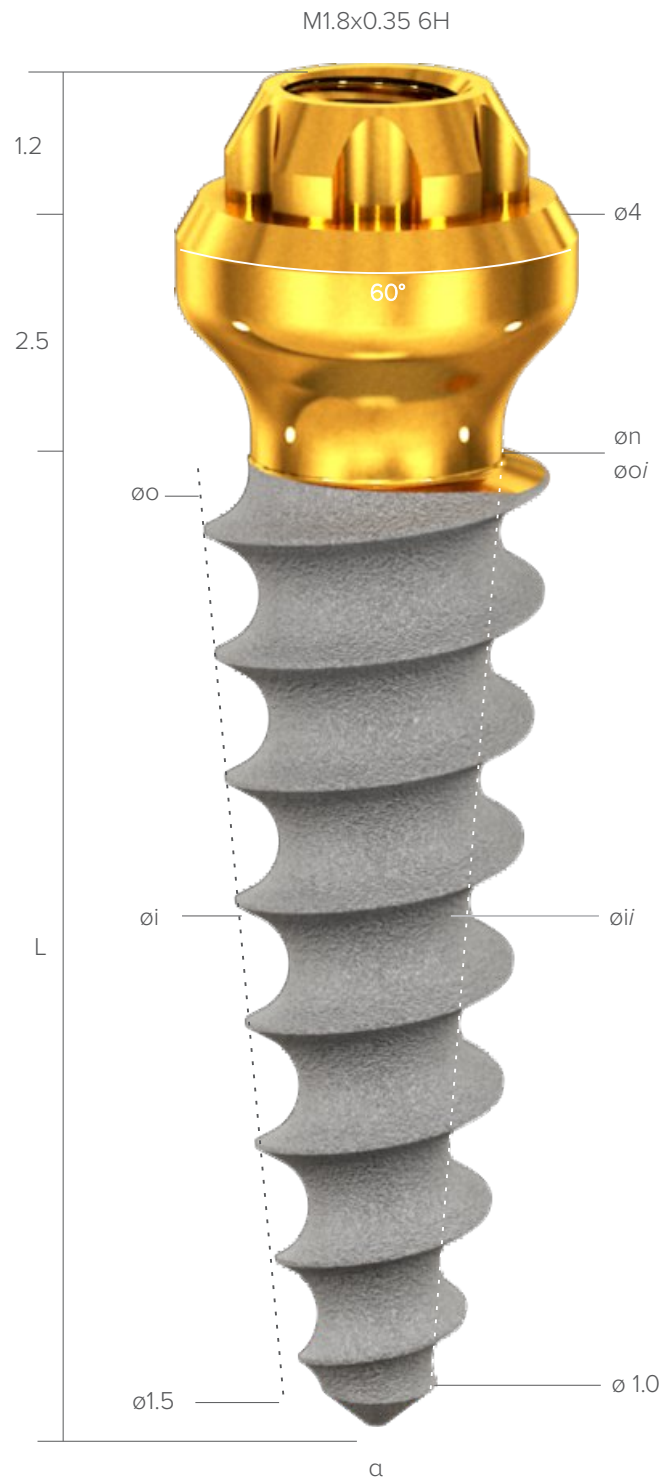
## Regular



## Narrow



# ROOTT **S**



o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter;  
α - total internal angle (°); s - intraosseous square area (mm<sup>2</sup>); i = internal.

o / L      6 mm                      8 mm                      10 mm                      12 mm                      14 mm                      16 mm

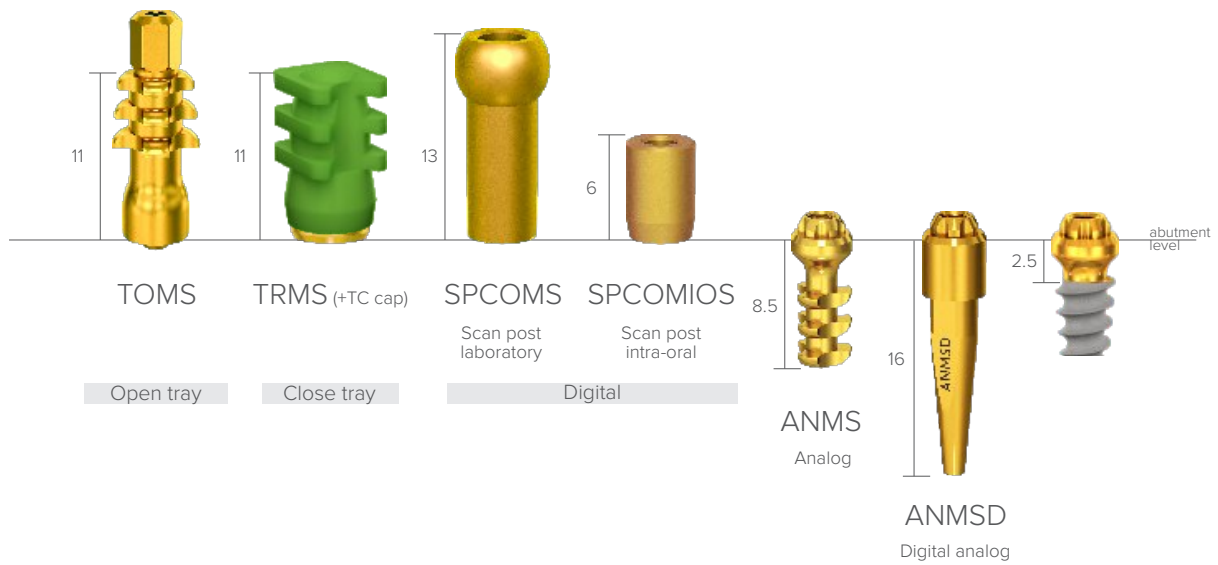
ø 3.0  
øi 2.5  
øi' 1.5  
n 2.05



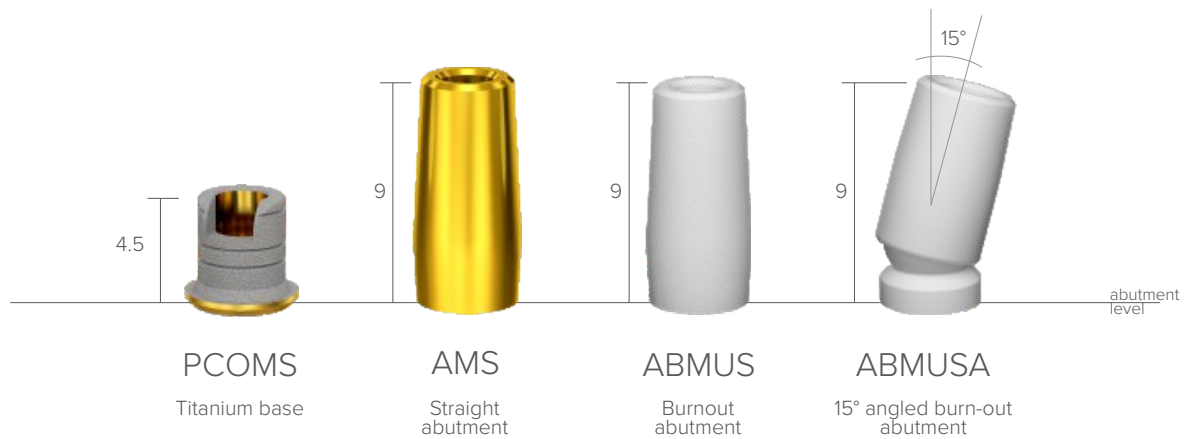
ø 3.5  
øi 2.8  
øi' 1.8  
n 2.55



# Transfers & implant analogs



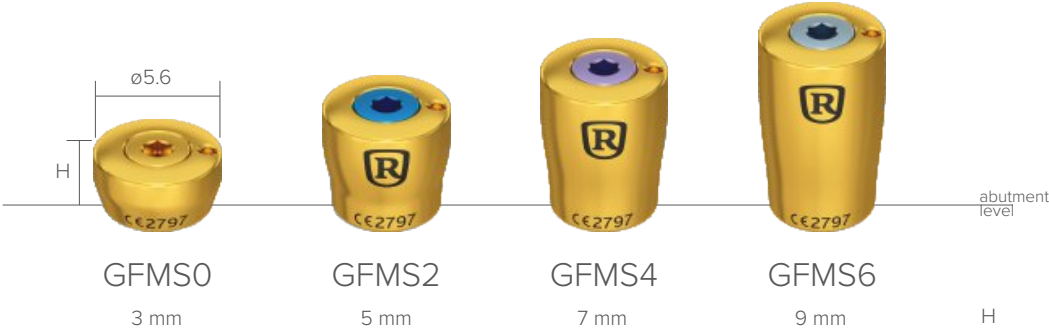
# Abutments





# Healing abutments

## Regular



## Narrow



# ROOTT **K**

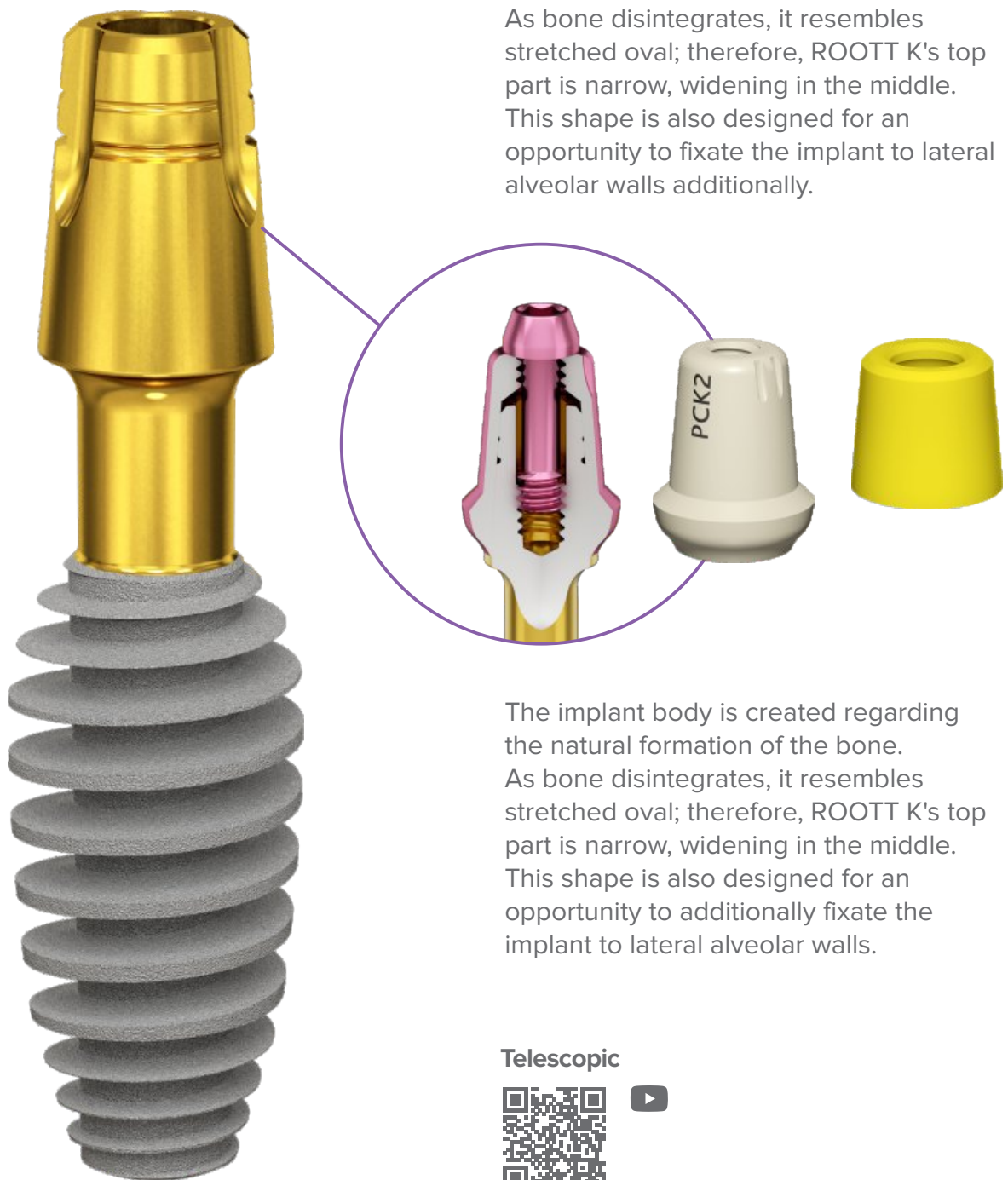
Cement & telescopic retained

One-piece implant

## Excelent stability in lateral alveolar walls & soft bone

The implant body is developed regarding the natural formation of the bone and is made from high strength Commercially Pure Titanium ( CP Ti Grade 4), which provides great resistance.

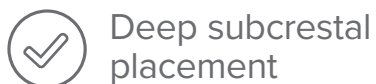
As bone disintegrates, it resembles stretched oval; therefore, ROOTT K's top part is narrow, widening in the middle. This shape is also designed for an opportunity to fixate the implant to lateral alveolar walls additionally.



The implant body is created regarding the natural formation of the bone. As bone disintegrates, it resembles stretched oval; therefore, ROOTT K's top part is narrow, widening in the middle. This shape is also designed for an opportunity to additionally fixate the implant to lateral alveolar walls.

Telescopic





Deep subcrestal placement



Telescopic retained



No screws under the gum



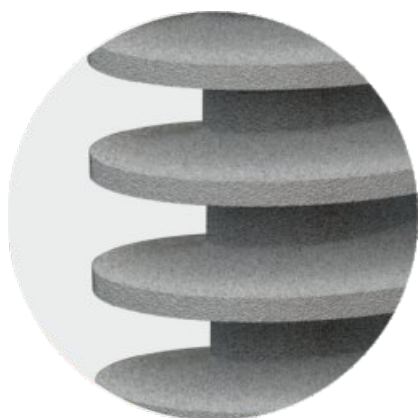
Cement retained

## Surface area

<b>R3510</b>
<b>137.3mm<sup>2</sup></b>

<b>C3510</b>
<b>81.8mm<sup>2</sup></b>

<b>C3510k</b>
<b>145.7mm<sup>2</sup></b>

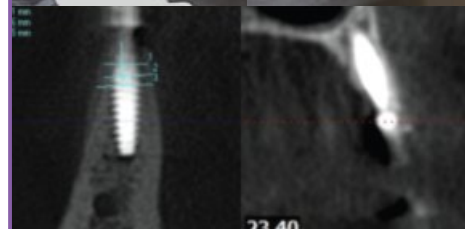


ROOTT K implant has 20-50% wider surface area than traditional two-piece or alternative ROOTT one-piece implants of the same parameters. It is essential in clinical situations where large occlusal forces are observed, especially in soft bone structures. This feature provides multi-cortical fixations, resulting in the surface area of an implant that is enlarged.

## Clinical cases



By Dr. Dainius Karpavicius



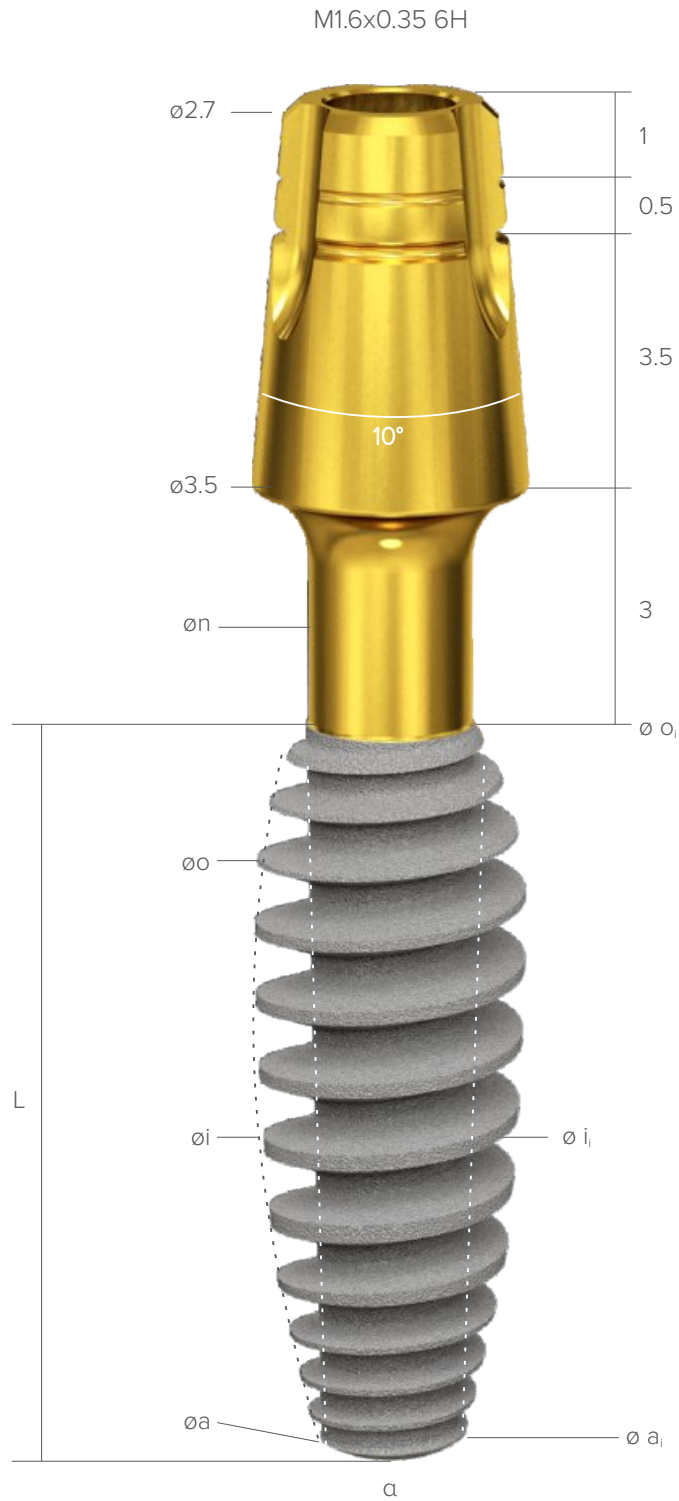
## Easy management



More cases



# ROOTT K



o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter;  
α - total internal angle (°); s - intraosseous square area (mm<sup>2</sup>); i = internal.

o / L	6 mm	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm
ø 3.0	C3006k	C3008k	C3010k	C3012k	C3014k	C3016k	C3018k	C3020k
øi 1.9 n 2.1	3.0   1.8 2.0   1.5 74   6.0	3.0   1.8 2.0   1.5 100   4.5	2.9   2.0 2.0   1.8 125   2.0	2.9   2.0 2.0   1.8 150   1.7	2.9   2.0 2.0   1.8 176   1.5	2.9   2.0 2.0   1.8 201   1.3	2.9   2.0 2.0   1.8 226   1.1	2.9   2.0 2.0   1.8 252   1.0

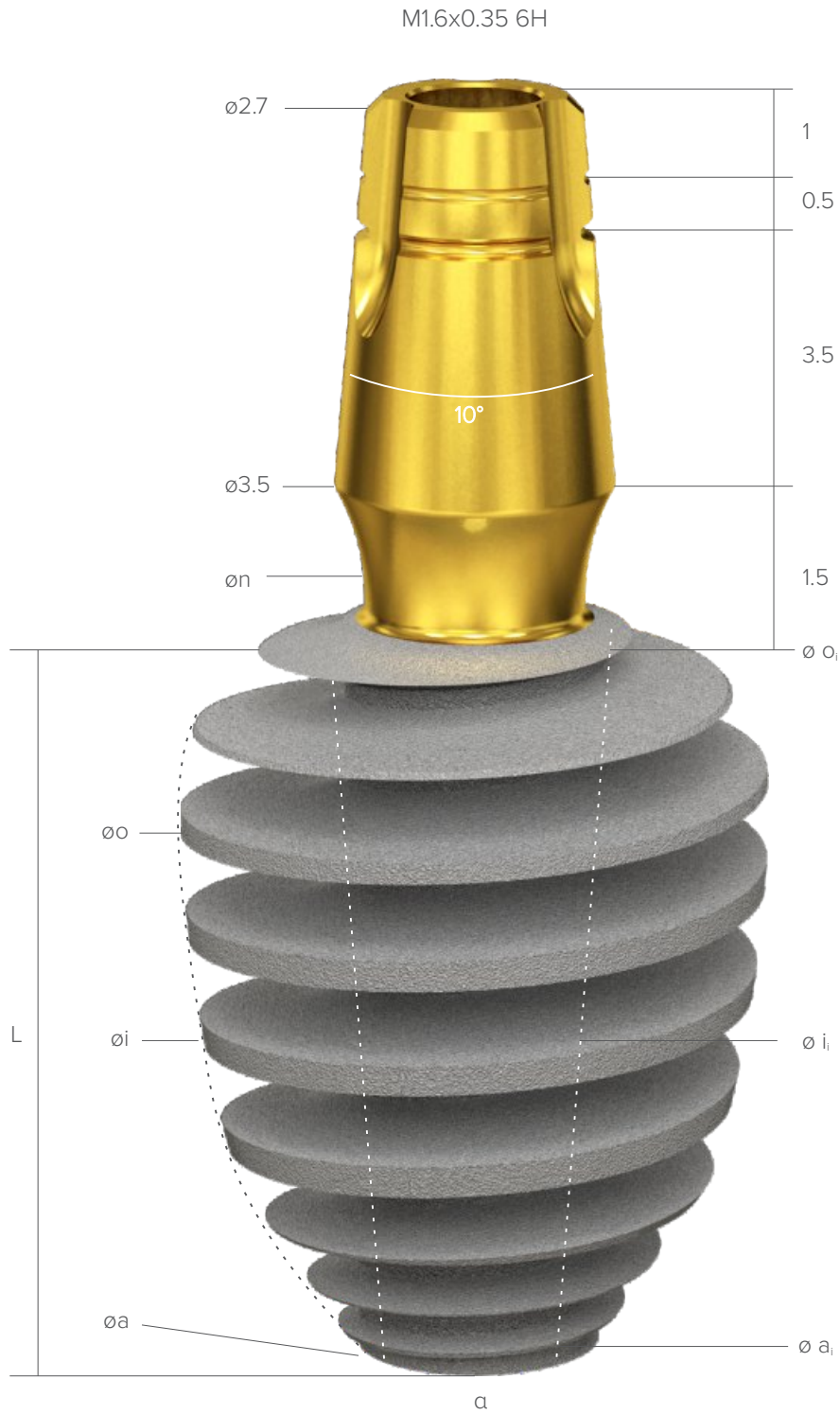
ø 3.5	C3506k	C3508k	C3510k	C3512k	C3514k	C3516k	C3518k	C3520k
øi 2.2 n 2.1	3.5   2.0 2.0   1.8 86   3.3	3.4   2.0 2.0   1.8 116   2.5	3.4   2.0 2.0   1.8 144   2.0	3.5   2.0 2.0   1.8 175   1.7	3.3   2.0 2.0   1.8 204   1.5	3.3   2.0 2.0   1.8 234   1.3	3.3   2.0 2.0   1.8 264   1.1	3.3   2.0 2.0   1.8 294   1.0

ø 4.0	C4006k	C4008k	C4010k	C4012k	C4014k	C4016k	C4018k	C4020k
øi 2.3 n 2.2	4.0   2.1 2.5   1.6 111   10.0	3.9   2.5 2.5   2.3 148   2.5	3.9   2.5 2.5   2.3 187   2.0	3.9   2.5 2.5   2.3 225   1.7	3.9   2.3 2.5   2.3 263   1.5	3.9   2.5 2.5   2.3 302   1.3	3.8   2.3 2.5   2.3 340   1.1	3.8   2.5 2.5   2.3 378   1.0

ø 4.5	C4506k	C4508k	C4510k	C4512k	C4514k	C4516k	C4518k	C4520k
øi 2.5 n 2.4	4.5   2.5 2.5   2.5 133   3.3	4.4   2.1 2.5   1.6 180   1.5	4.3   2.1 2.5   1.6 226   6.0	4.3   2.5 2.5   2.3 267   1.7	4.3   2.5 2.5   2.3 312   1.5	4.3   2.5 2.5   2.3 358   1.3	4.3   2.5 2.5   2.3 404   1.1	4.2   2.5 2.5   2.3 450   1.0

øi | øi'  
øa | øa'  
S | α

# ROOTT **K**



o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter;  
 $\alpha$  - total internal angle ( $^\circ$ ); s - intraosseous square area ( $\text{mm}^2$ );  $i$  = internal.

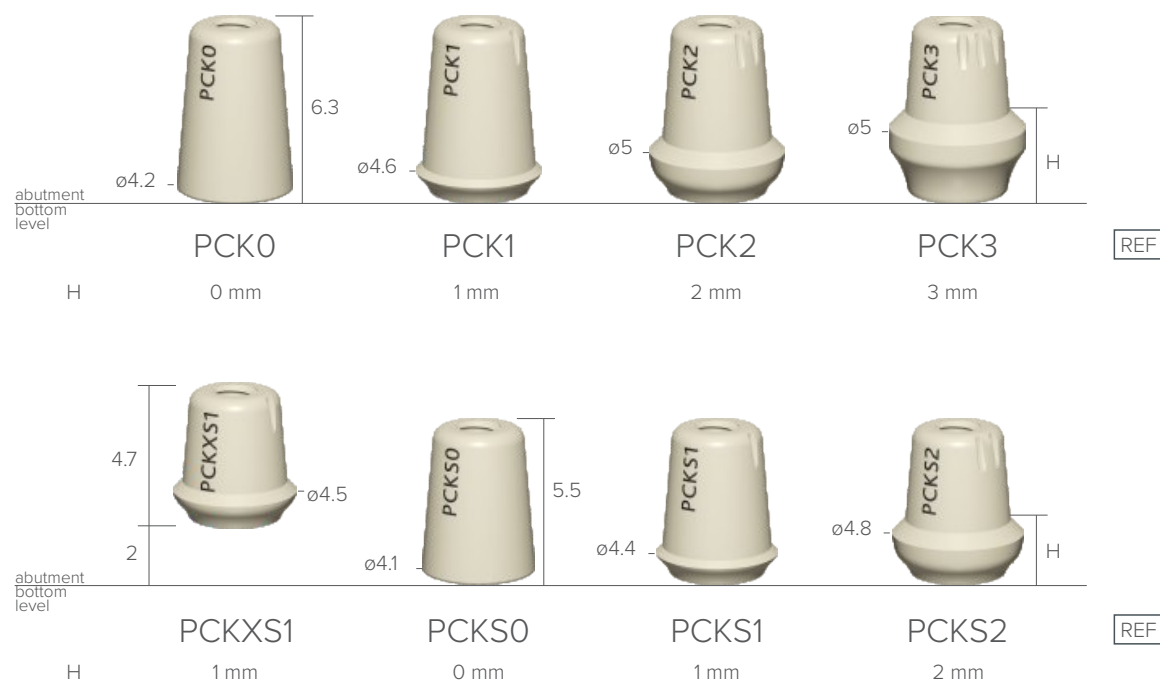
ø / L	4 mm	6 mm	8 mm	10 mm	12 mm	14 mm
ø 5.0	C5004k	C5006k	C5008k	C5010k	C5012k	C5014k
øi 2.7 n 2.6	4.9   2.8 2.7   2.6 104   15.0	5.0   2.8 2.7   2.6 148   13.3	4.9   2.8 2.7   2.6 202   12.5	4.8   2.8 2.7   2.6 256   12.0	4.8   2.8 2.7   2.6 304   11.7	4.8   2.8 2.7   2.6 355   11.5
ø 5.5	C5504k	C5506k	C5508k	C5510k	C5512k	C5514k
øi 2.8 n 2.5	5.4   2.8 2.7   2.6 120   15.0	5.5   2.8 2.7   2.6 176   13.3	5.3   2.8 2.7   2.6 237   12.5	5.4   2.8 2.7   2.6 298   12.0	5.2   2.8 2.7   2.6 357   11.7	5.2   2.8 2.7   2.6 416   11.5
ø 6.5	C6504k	C6506k	C6508k	C6510k	C6512k	C6514k
øi 3.1 n 2.5	6.4   3.2 3.2   3.0 150   15.0	6.4   3.2 3.2   3.0 220   13.3	6.5   3.2 3.2   3.0 299   12.5	6.3   3.2 3.2   3.0 376   12.0	6.3   3.2 3.2   3.0 451   11.7	6.2   3.2 3.2   3.0 525   11.5
ø 7.5	C7504k	C7506k	C7508k	C7510k	C7512k	C7514k
øi 3.1 n 2.8	7.4   3.2 3.2   3.0 189   15.0	7.4   3.2 3.2   3.0 283   13.3	7.3   3.2 3.2   3.0 382   12.5	7.2   3.2 3.2   3.0 476   12.0	7.1   3.2 3.2   3.0 568   11.7	7.1   3.2 3.2   3.0 662   11.5
ø 8.5	C8504k	C8506k	C8508k	C8510k	C8512k	C8514k
øi 3.1 n 2.8	8.4   3.2 3.2   3.0 232   15.0	8.4   3.2 3.2   3.0 354   13.3	8.3   3.2 3.2   3.0 479   12.5	8.1   3.2 3.2   3.0 598   12.0	8.0   3.2 3.2   3.0 713   11.7	7.9   3.2 3.2   3.0 830   11.5

øi | øii  
øa | øai  
S | α

# Titanium abutments for telescopic fixation

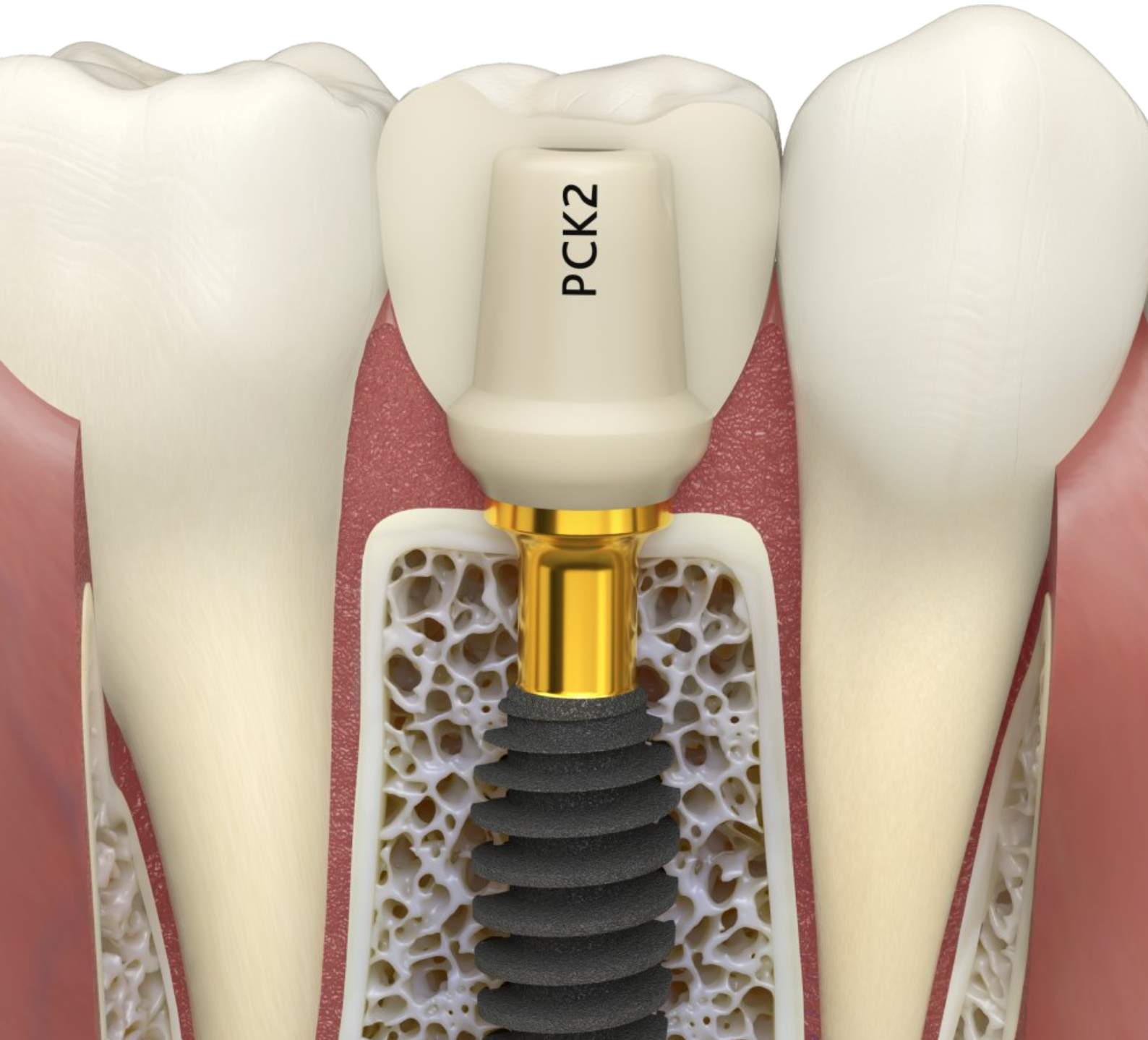
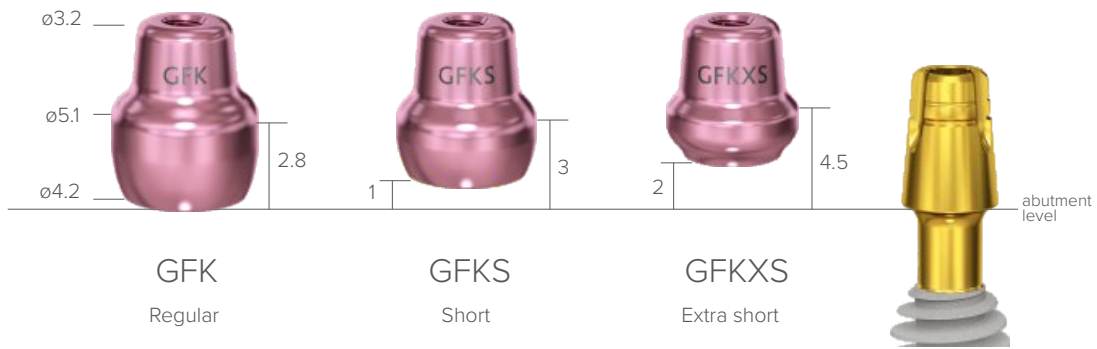


# PEEK abutments for telescopic fixation

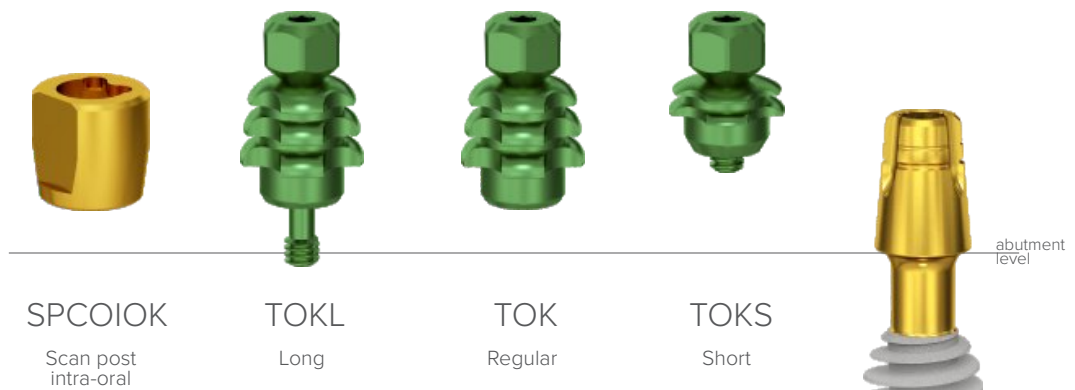




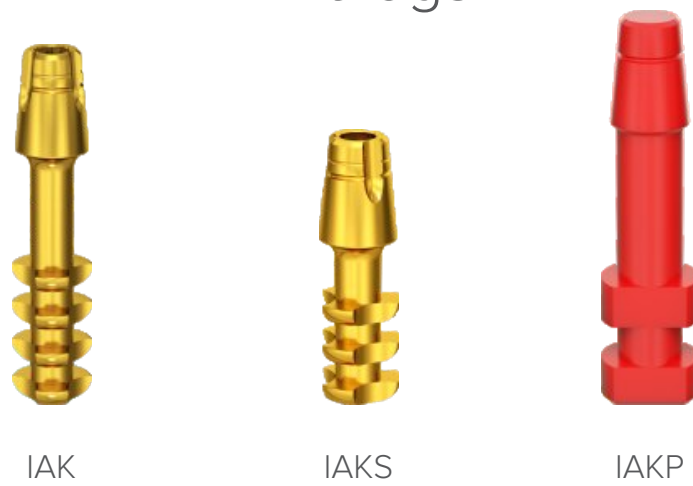
# Healing abutments



# Transfers



# Analogs



# Prosthetic screws

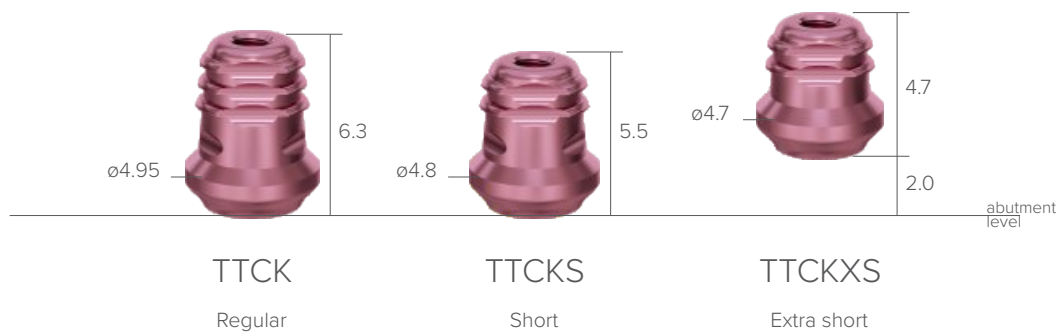


## One-piece abutment

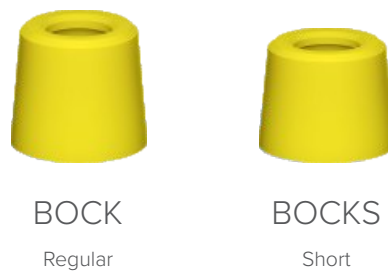
## Cover screw



## Temporary abutments



## Burn-out abutments



# Instruments

## Drills

### Lance drill



D1508

### Twist drills



D20xx  
6-26 mm

### Universal drills



D2516



D2816



D3216



D3616



D4016



D4316



D4616



D5016



D5316

### ROOTT B



DB20  
10-26 mm



DB23xx  
10-18 mm

### ROOTT R



D30xx  
10-16 mm



D35xx  
6-16 mm



D38xx  
6-16 mm



D42xx  
6-16 mm



D48xx  
6-16 mm



D55xx  
6-16 mm

### ROOTT C



DC30xx  
6-20 mm



DC35xx  
6-20 mm



DC40xx  
6-20 mm



DC45xx  
6-20 mm



DC50xx  
6-14 mm



DC55xx  
6-14 mm

# Taps

## ROOTT **R**



## ROOTT **C**



## Universal taps



# Handles



ETH

Surgical handle, handpiece

ETR

Surgical handle, ratchet



ETAO

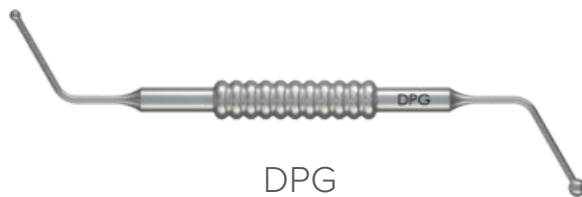
Surgical handle, AO



DW

Handle for implant driver

# Gauges



DPG

Implant depth gauge



DIR

Alignment bar



P2

Parallel pin

# Screwdrivers

1.25 mm



SD    SDL    SDXL    SDLB    SDXLB    SDH    SDHL    SDHXL    SDAO    SDM    SDML

Ball hex    Ball hex

For ratchet

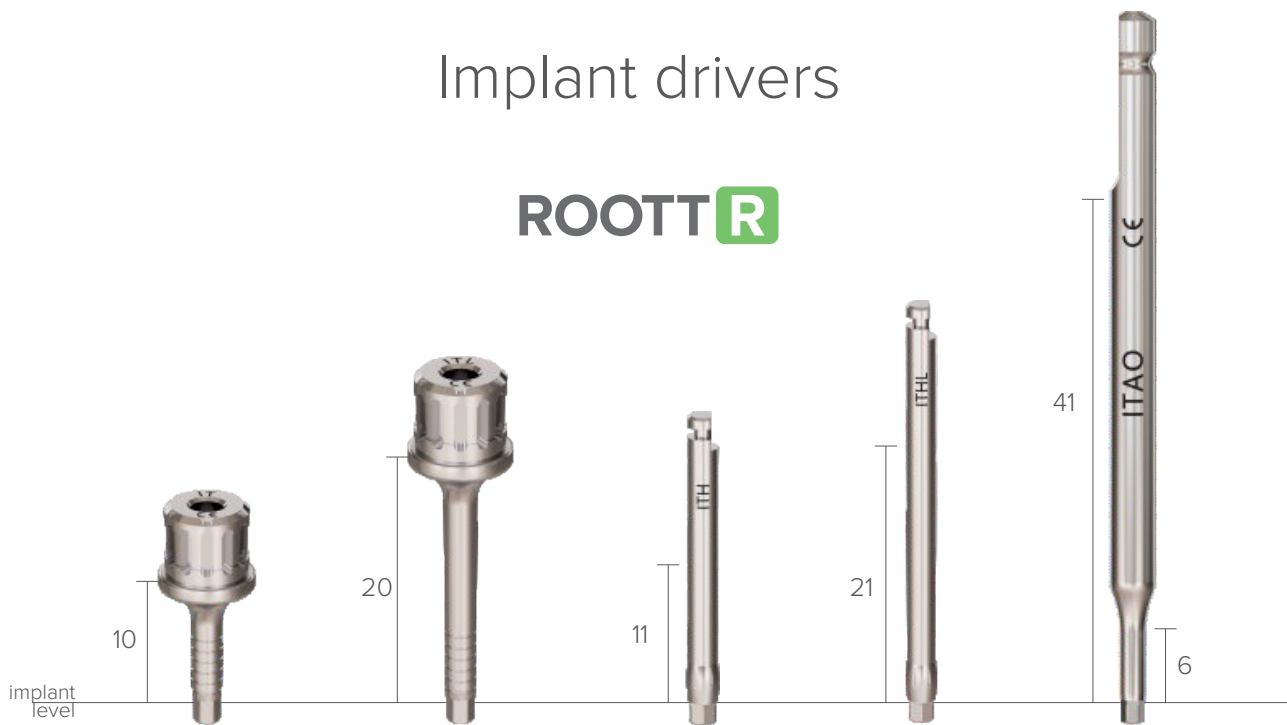
For handpiece

For AO handle

Manual

# Implant drivers

**ROOTT<sup>R</sup>**



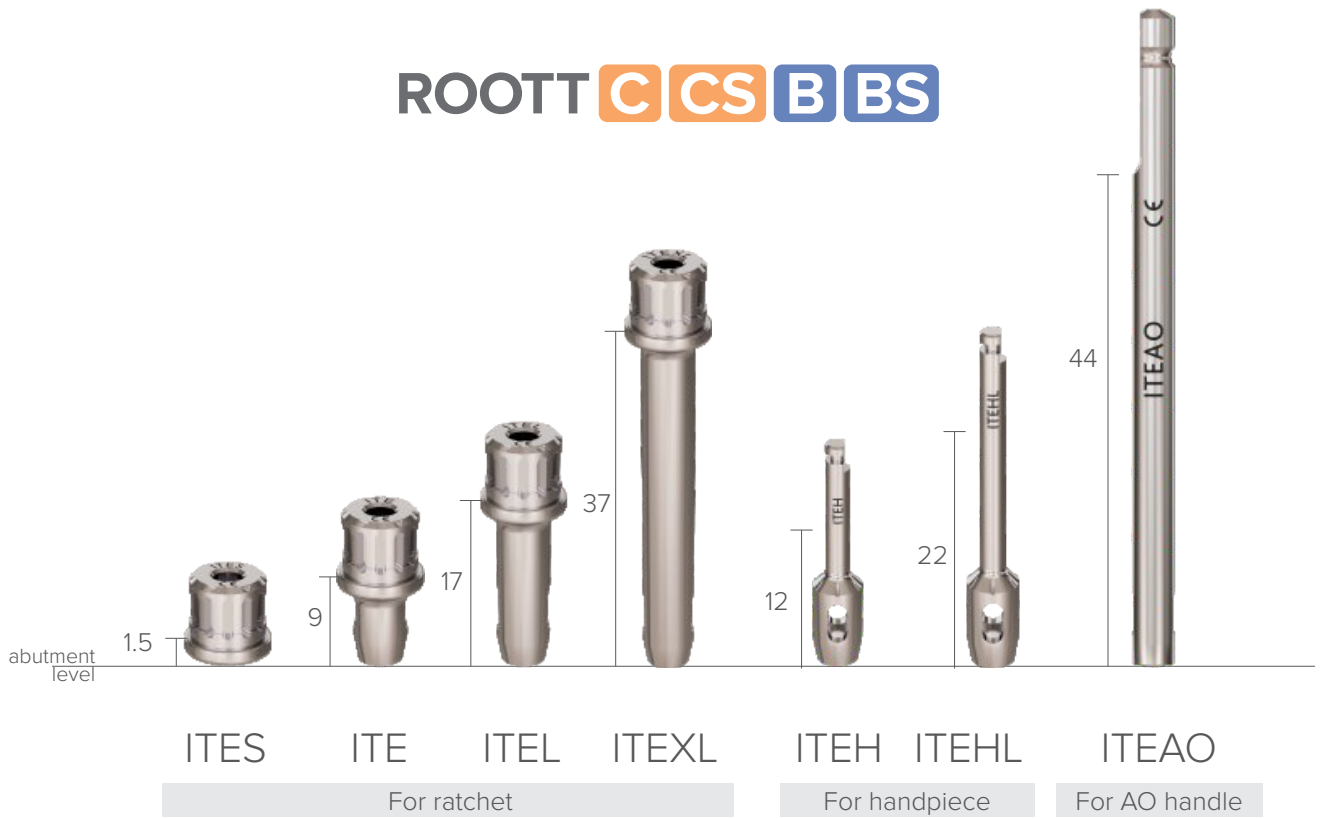
IT    ITL    ITH    ITHL    ITAO

For ratchet

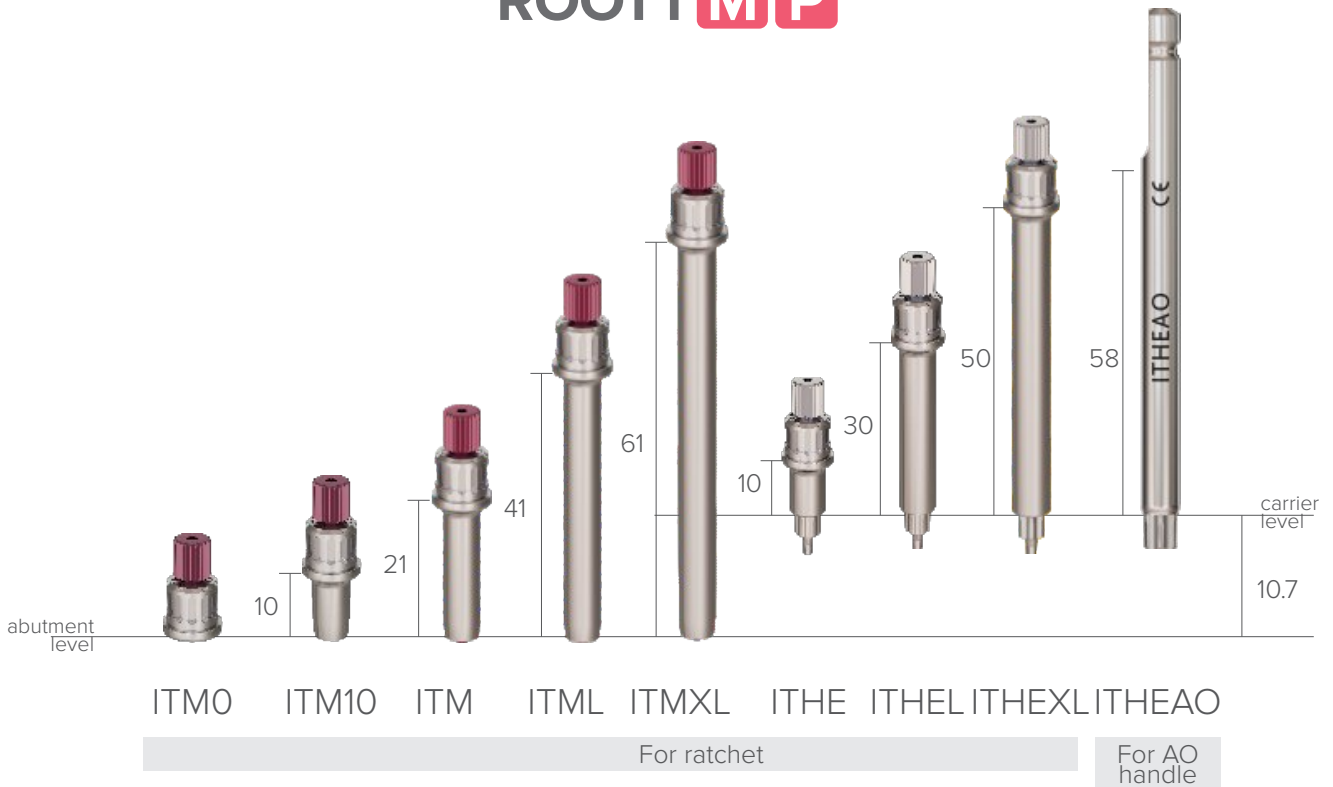
For handpiece

For AO handle

# ROOTT C CS B BS

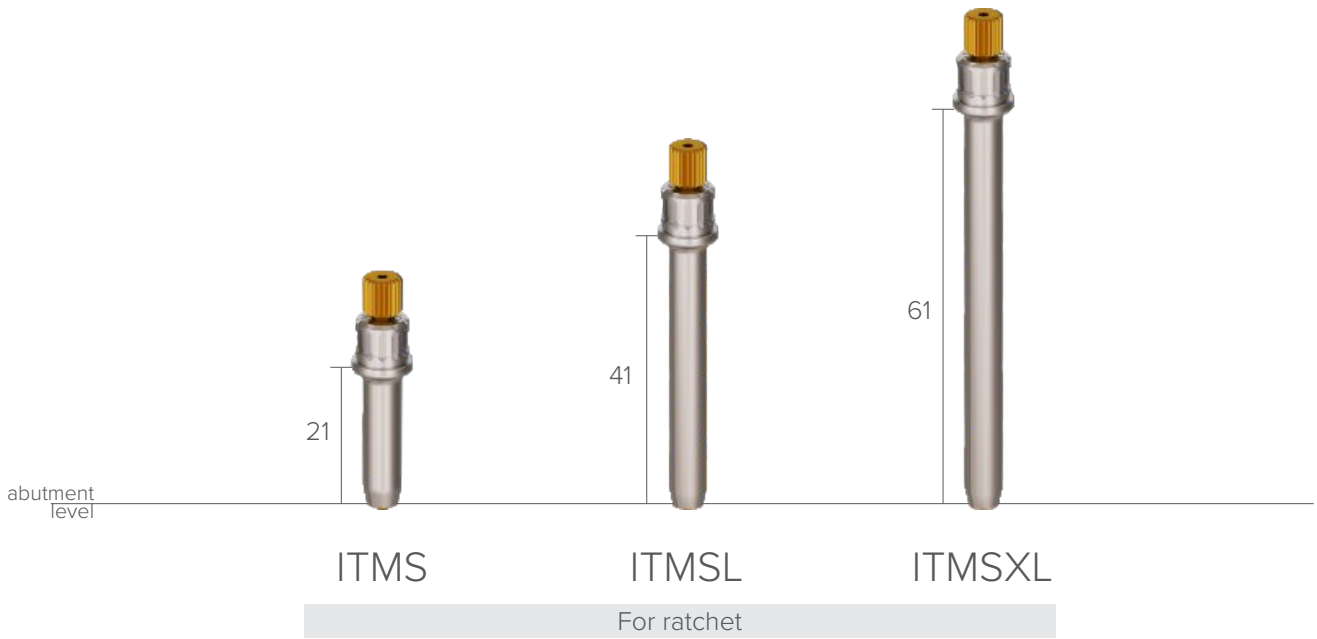


# ROOTT M P

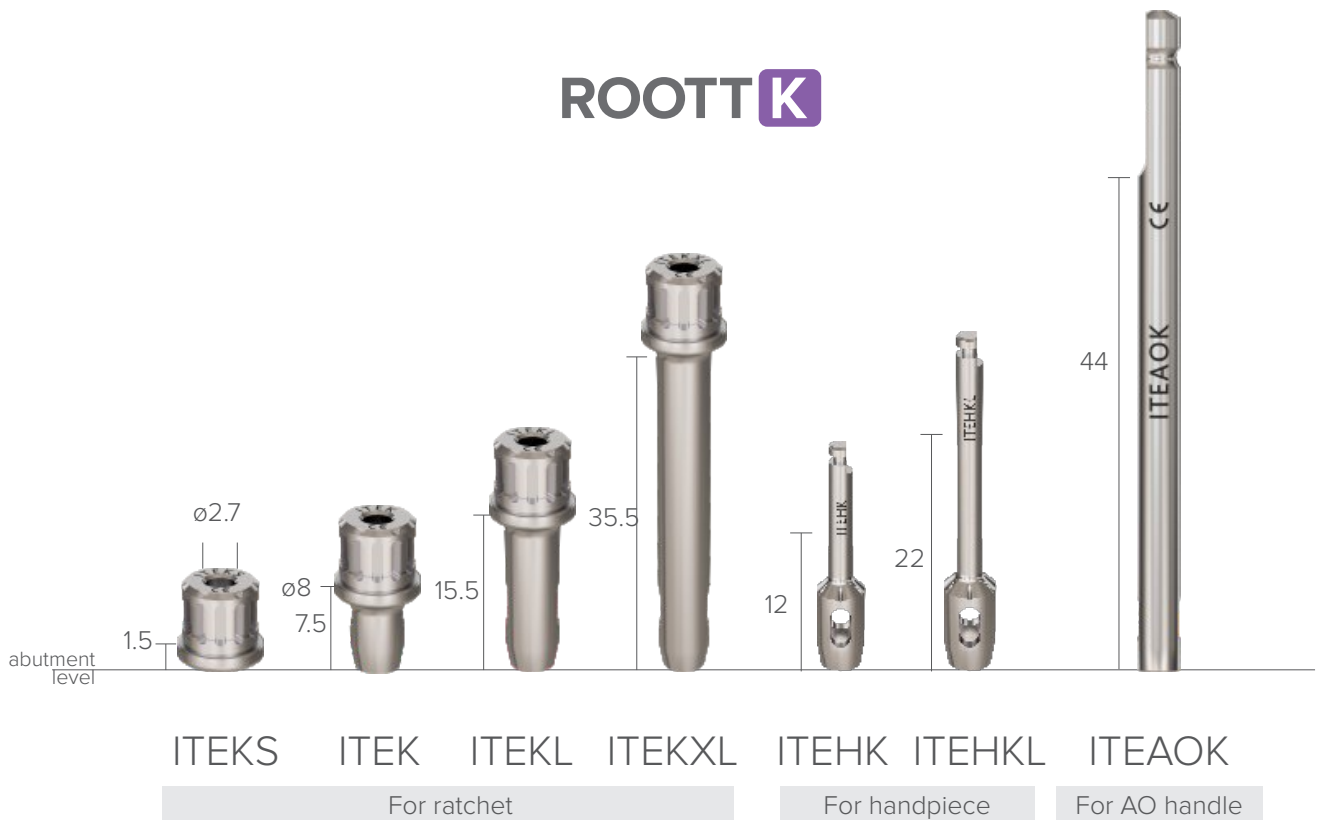




# ROOTT S



# ROOTT K



## General instruments



TW50  
Torque wrench 10-50 Ncm



TW70  
Torque wrench 10-70 Ncm



RW, RWS  
Ratchet wrench



BT  
Abutment bender for ROOTT **C** **B** **BS**



BTK, BTKL  
Abutment bender for ROOTT **K**



ET  
Drill extension for handpiece



ETAO  
Drill extension for AO handle

## Abutment extractors



SR, SRL  
Abutment extractors for ROOTT **R**



PRT  
Abutment extractor for ROOTT **K**



PRS  
Abutment extractor, screwdriver for ROOTT **K**

# Guided system

## Stoppers



S1L02



S1L04



S1L06



S1L08



S1L10



S1L12



S1L14



S1L16

Stoppers S1 compatible with drills  
DB2020, D2020, D2516, D2816,  
DC3006.....DC4520



S2L02



S2L04



S2L06



S2L08



S2L10



S2L12



S2L14



S2L16

Stoppers S2 compatible with drills  
D3216, D3616, D4016, D4316,  
DC5006.....DC5514



S3L02



S3L04



S3L06



S3L08



S3L10



S3L12



S3L14



S3L16

Stoppers S3 compatible with drills  
D4616, D516, D5316

## Sleeves and drills handles



SLO2



SLS1



SLS2



SLS3

A02SL3

A02SL2

A02SL1

A1SL3

A1SL2

A2SL3

# 2Ingis system

## Punches

	D3024 ø 3 mm
	D4024 ø 4 mm
	D4029 ø 4 mm
	D5024 ø 5 mm

## Mills

	D2824 ø 2.8 mm
	D2829 ø 2.8 mm
	D2834 ø 2.8 mm
	D3524 ø 3.5 mm
	D4124 ø 4.1 mm

## Self drilling screw



S1415

# Cassettes

R C C S M S

TRS



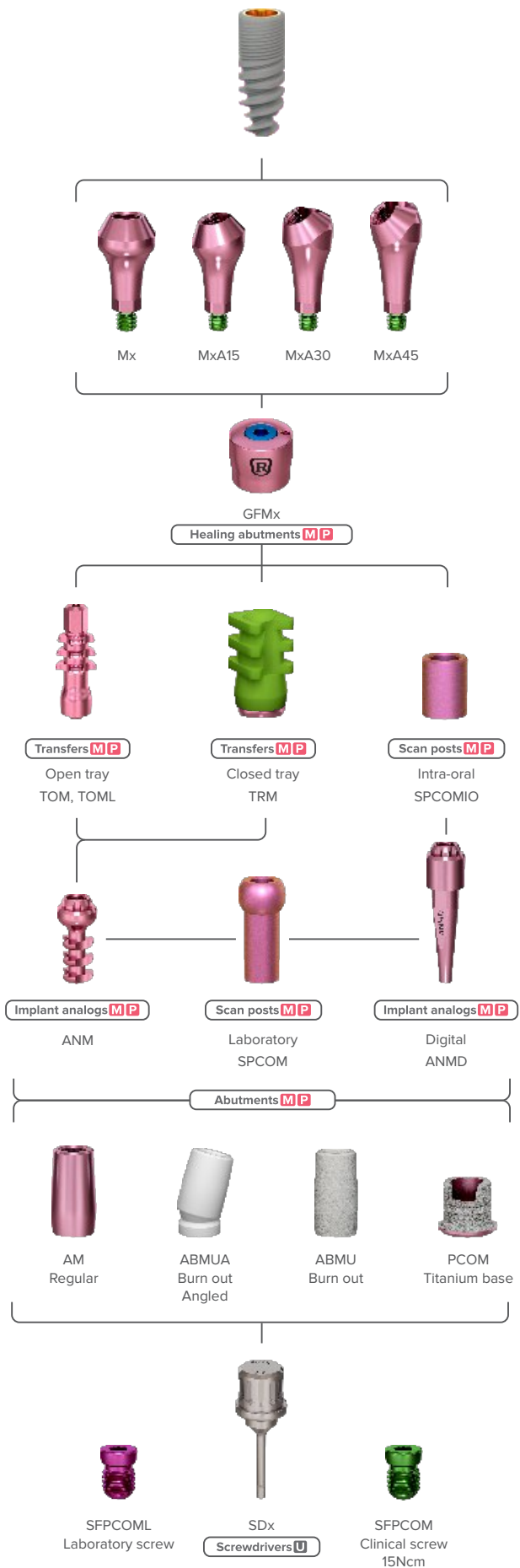
R C C S M S

TRS-mini

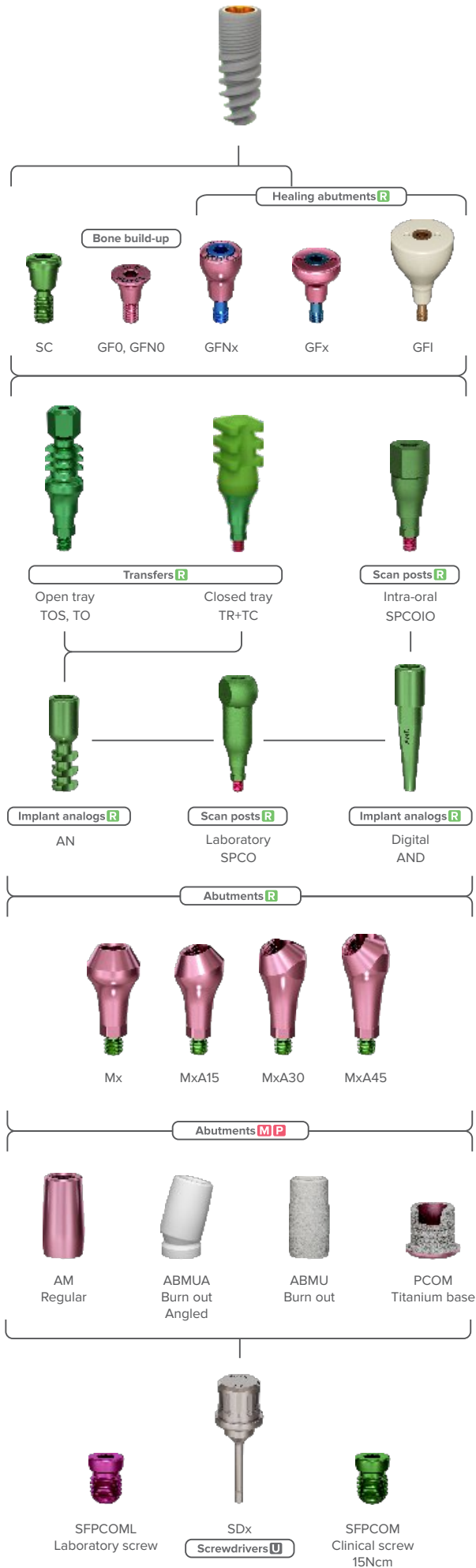


# Prosthetic workflows

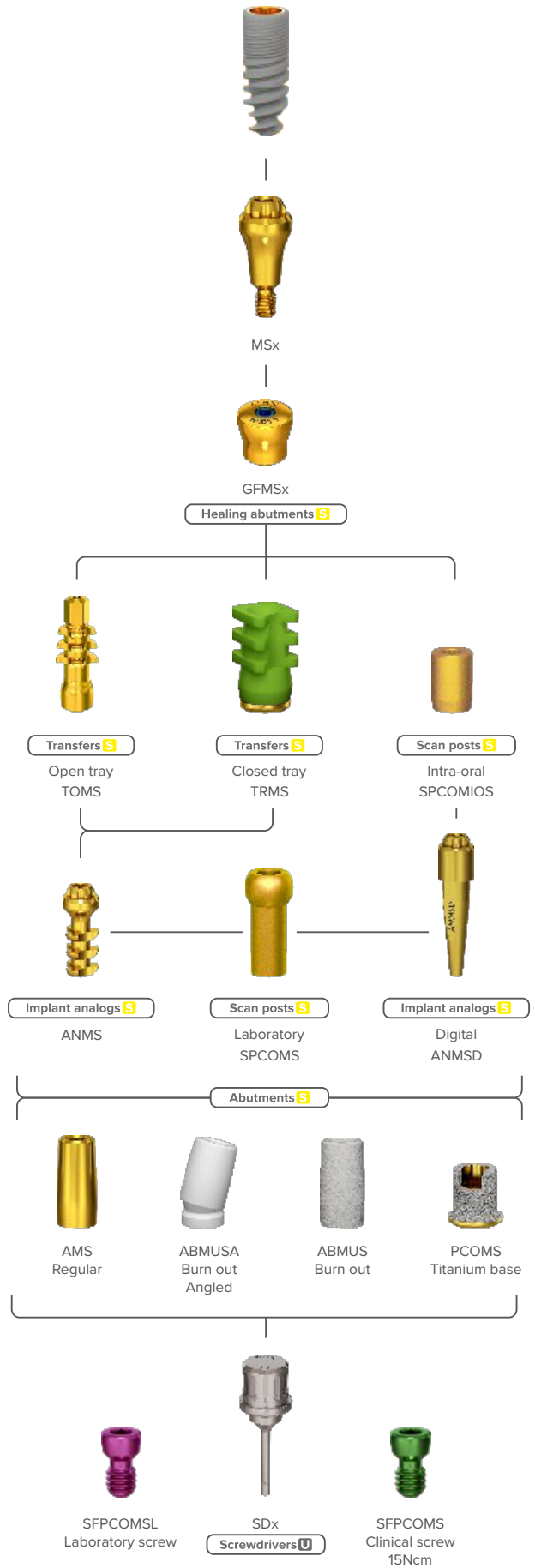
ROOTT **R**



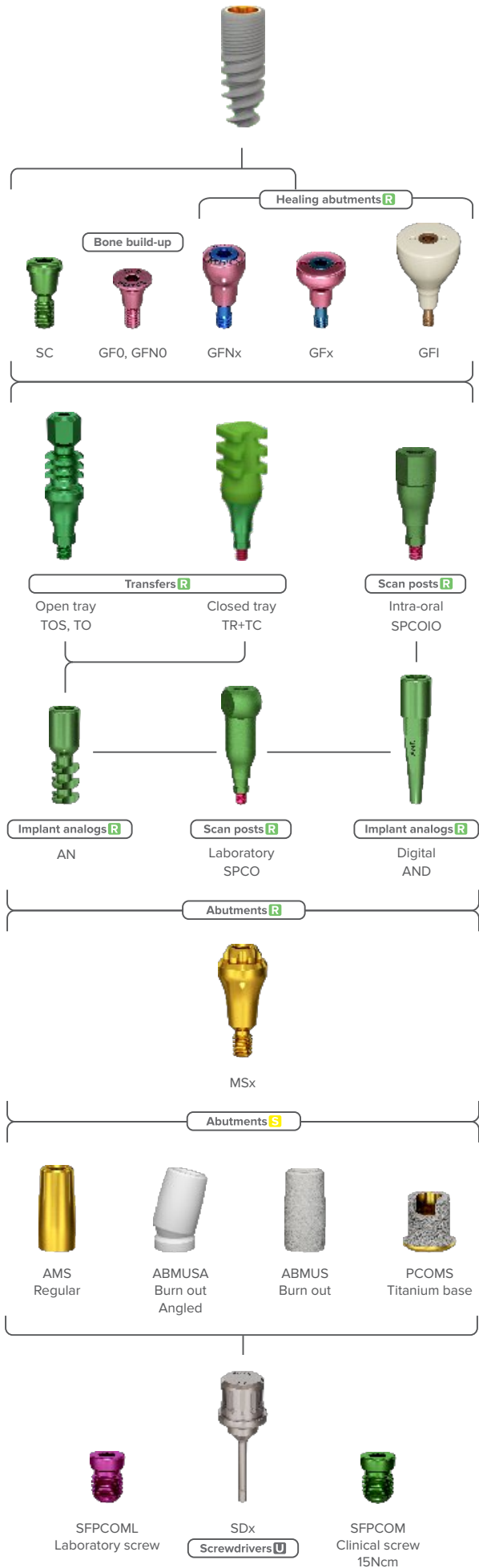
# ROOTT<sup>R</sup>



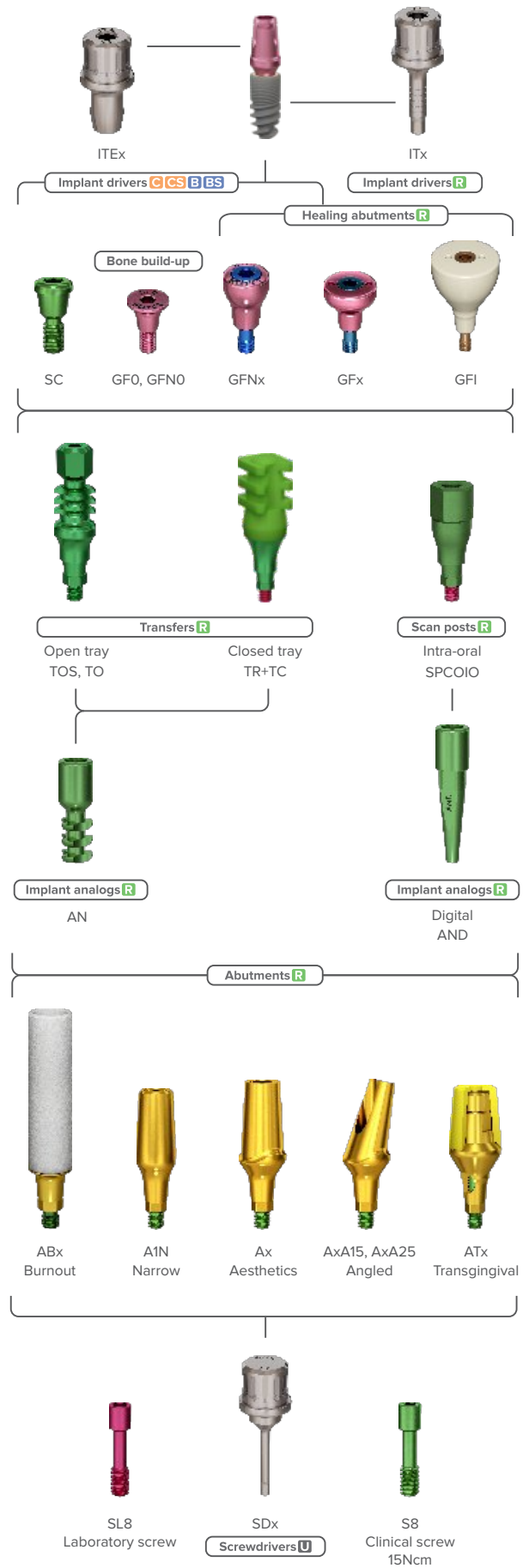
# ROOTT<sup>S</sup>



# ROOTT R

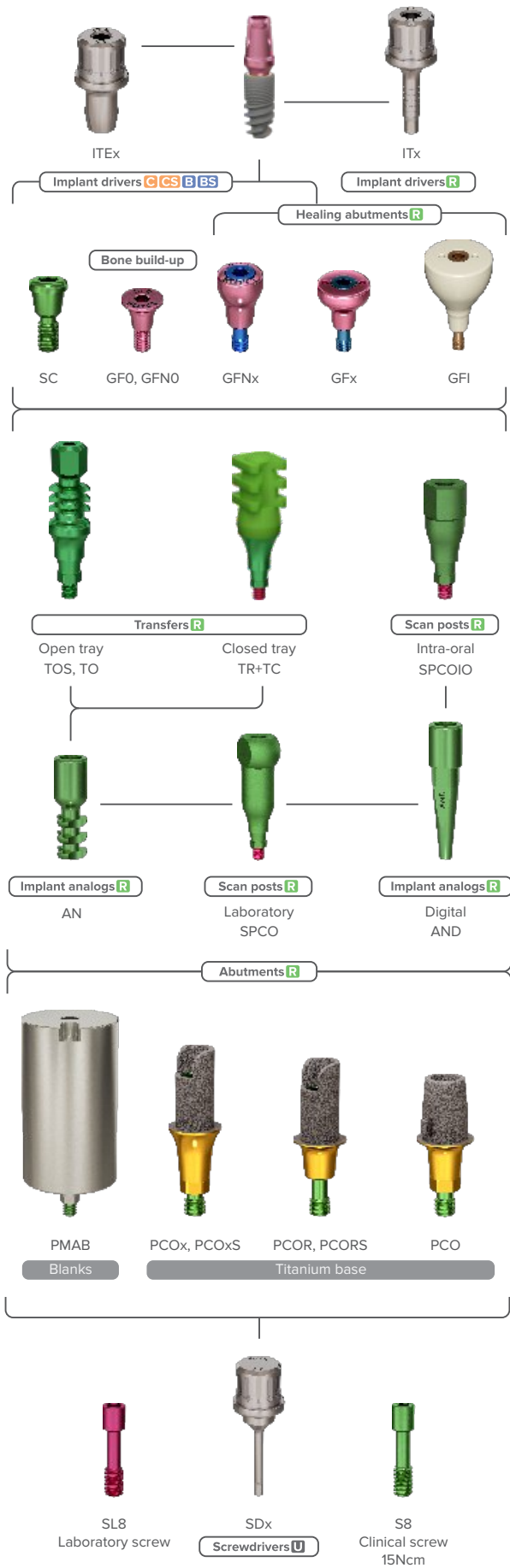


# ROOTT R

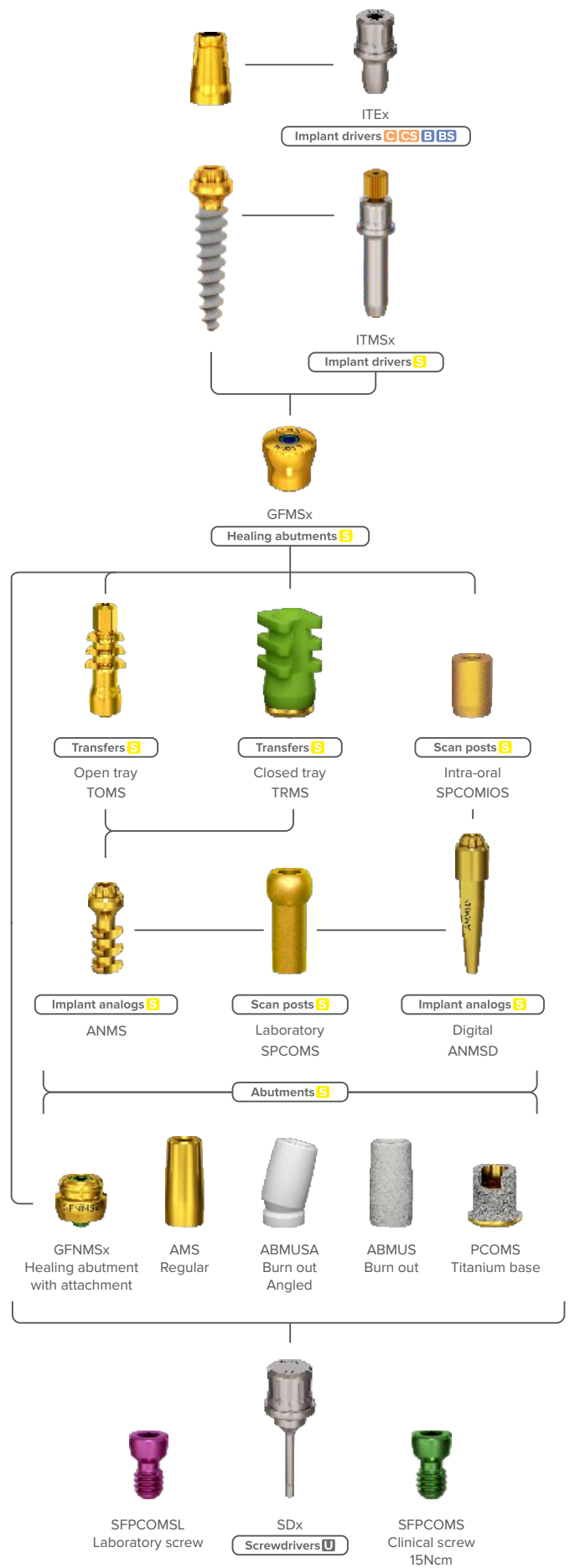




# ROOT R



# ROOT S

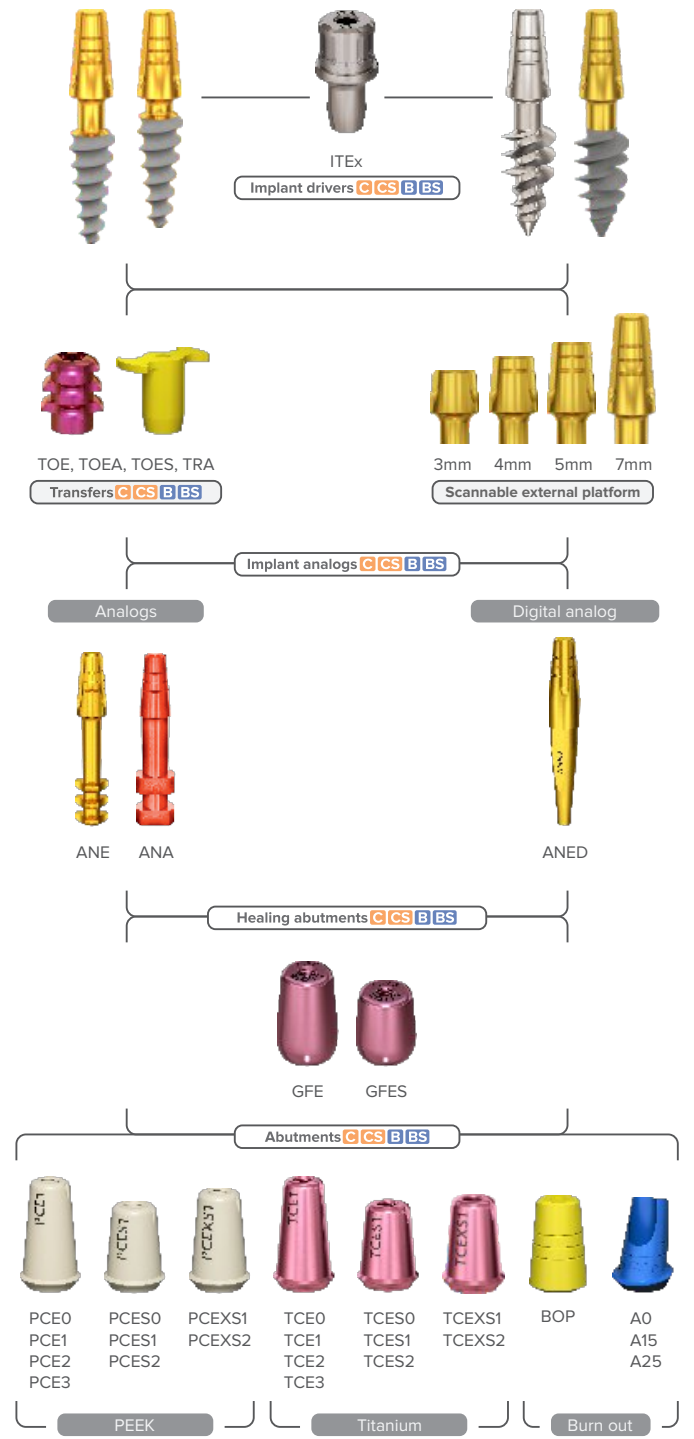
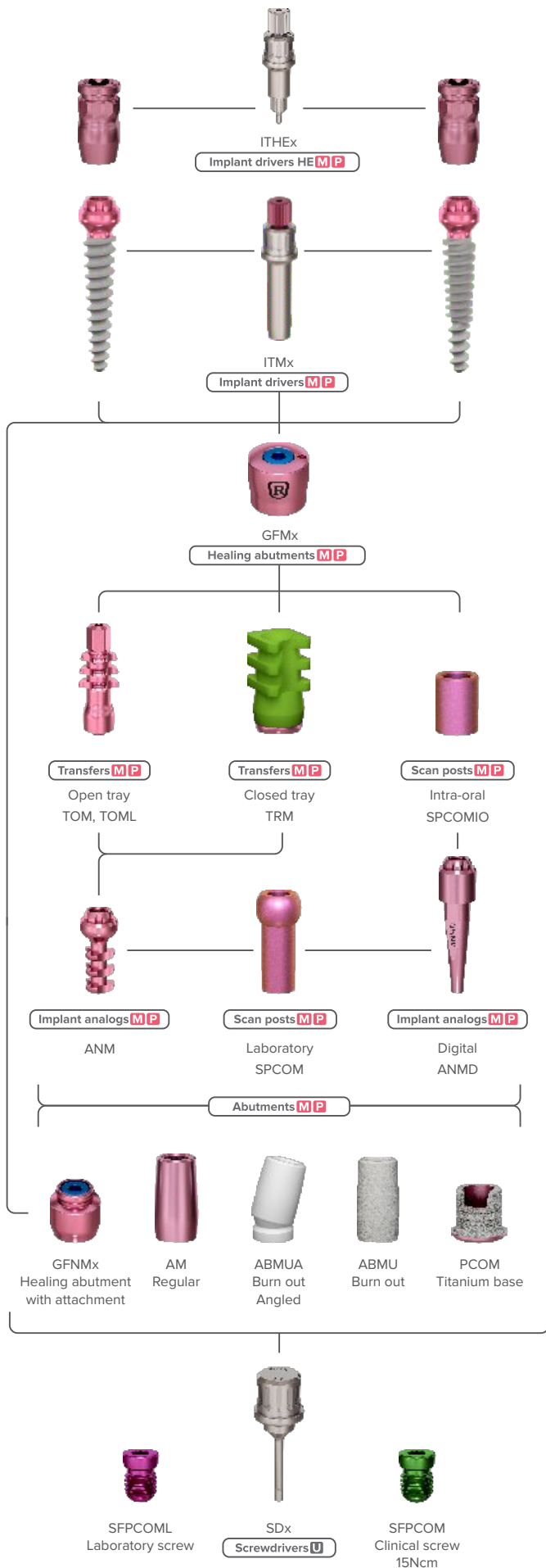


**ROOTT M**

**ROOTT P**

**ROOTT C CS**

**ROOTT B BS**





# Meet the intelligence with DIGITAL SOLUTIONS

Time-efficient and accurate options enhance quality possibilities and bring the modern approach to the dental industry that dental professionals seek.

Precision is essential considering the right angle, size, depth and width for dental professionals; therefore, ROOTT offers the digital workflow allowing the possibility of designing a complete dental solution. The digital library will provide options and introductions into using software and transferring the skills into the digital workflow from the tools required to design the exterior to components offered to solve basic or complex cases.



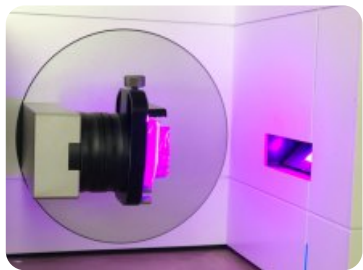
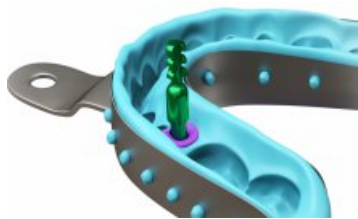
ROOTT  
digital  
libraries



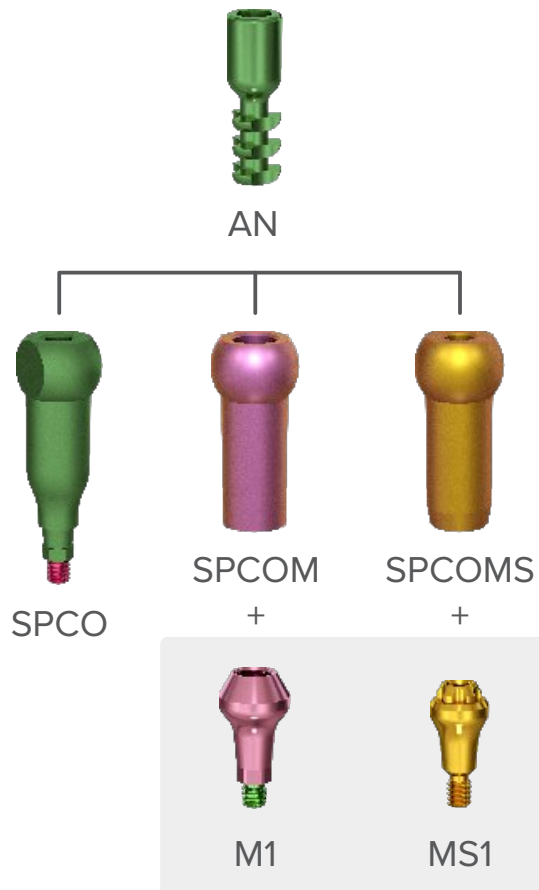
Intraoral scanner



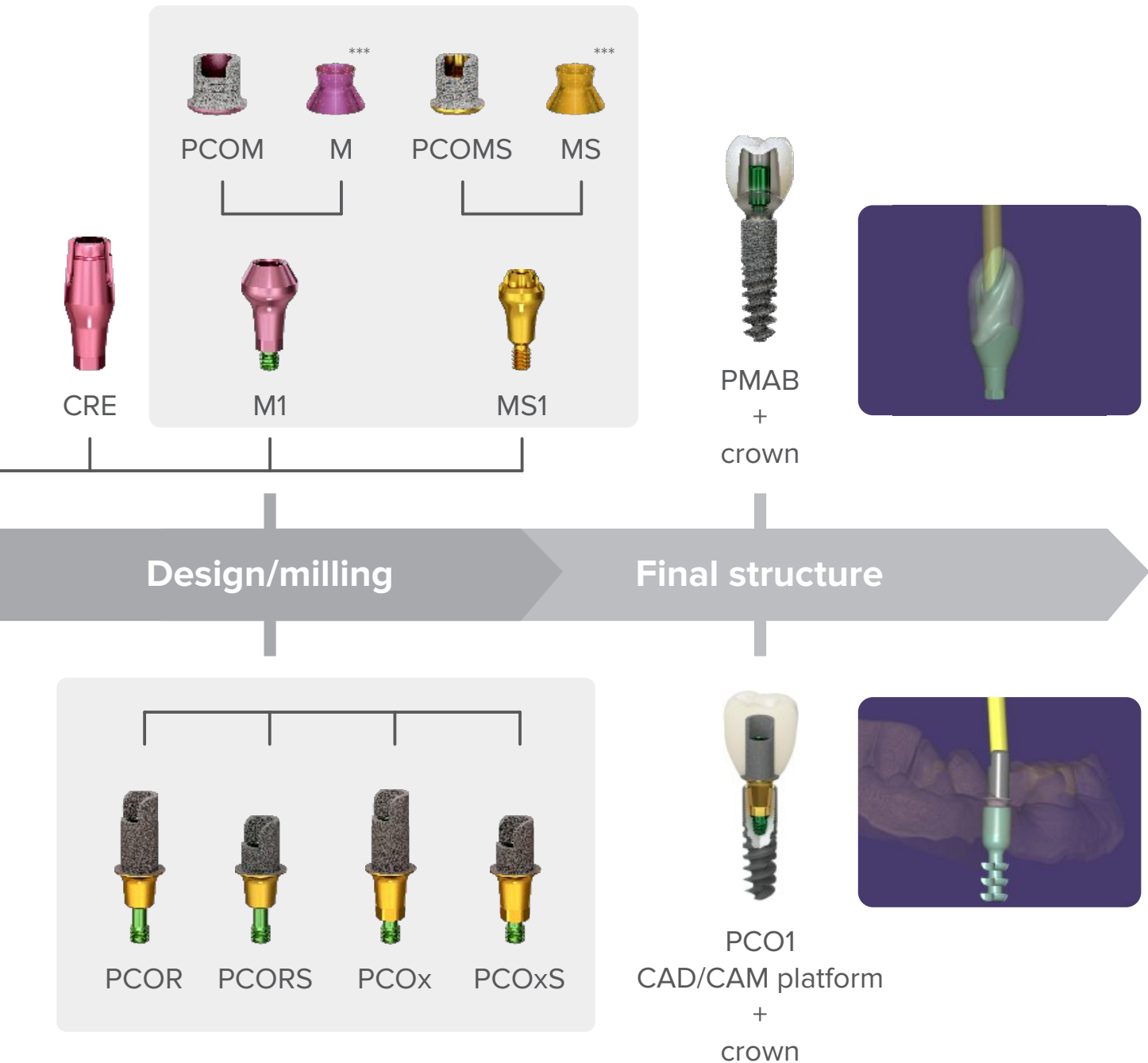
**Scan/Impression**



Extraoral scanner



# Digital workflow **ROOTT**<sup>R</sup>



\* Cerec part for Sirona

\*\* Premilled abutment blank

\*\*\* MU abutment is only accessible in digital library with angulation option and used with SFPCOMS screw for MS1, SFPCOM screw for M1

Abutments in the light grey background are angulated from 0° to 20° and are easily handled with an SDLB screw driver.



ANED



TRA



TOES



TOEA



TOE



HE



7mm



5mm



4mm



3mm

External platform



TCE  
TCES  
TCEXS



PCE  
PCES  
PCEXS

Intraoral

Scan/Impression

Extraoral



ANE



ANA



TRA



TOES



TOEA



TOE



HE



7mm



5mm



4mm



3mm

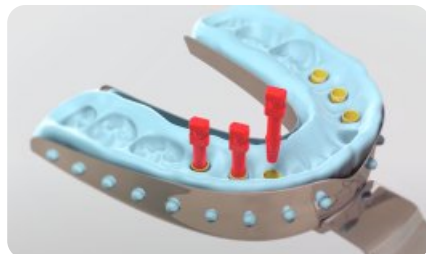
External platform



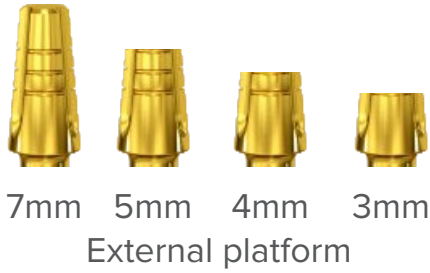
TCE  
TCES  
TCEXS



PCE  
PCES  
PCEXS



# Digital workflow **ROOTT C CS B BS**



Metal framework



Prosthesis with cement

Design/milling

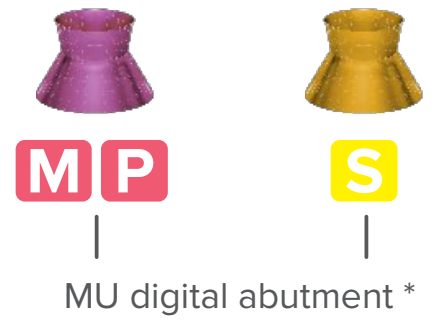
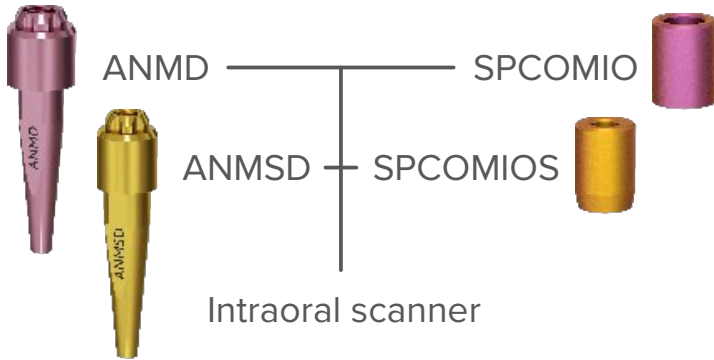
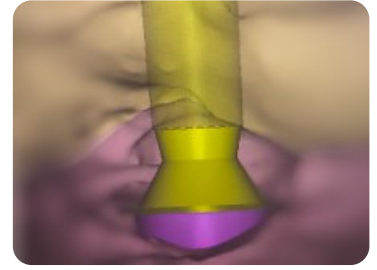
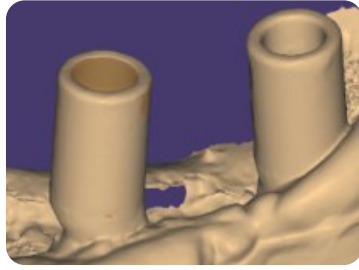
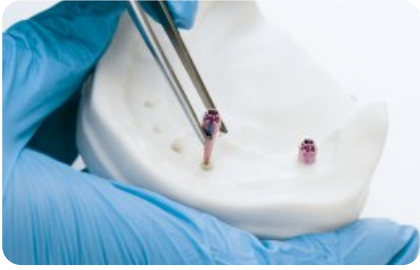
Final structure

Telescopic abutments  
External platform



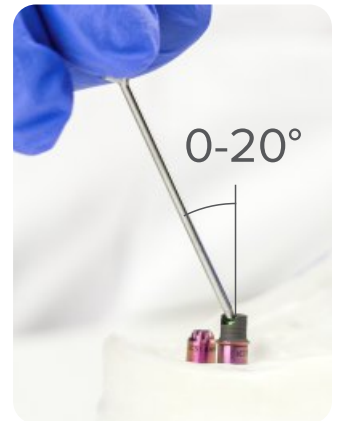
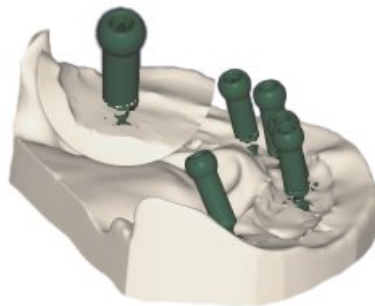
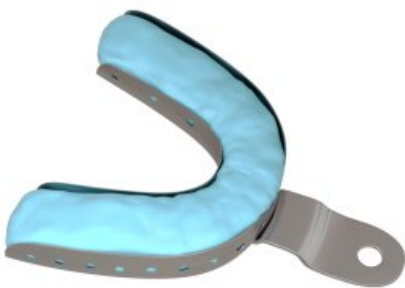
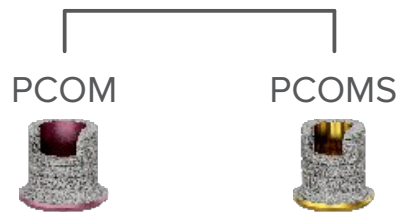
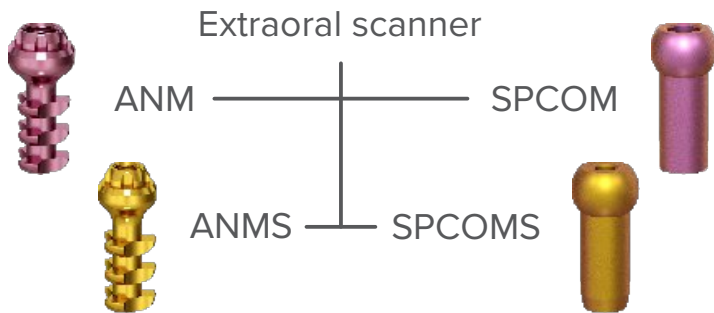
Prosthesis with  
telescopic solutions





**Scan/Impression**

**Design/milling**



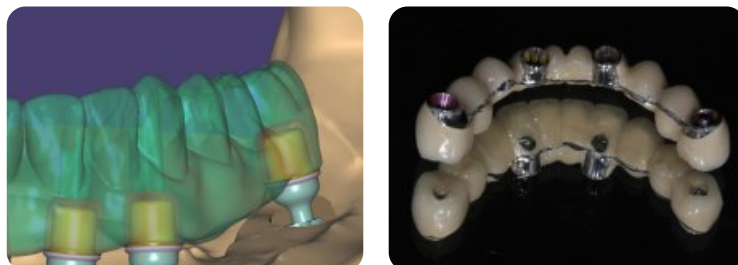
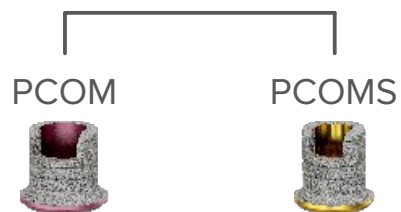


# Digital workflow **ROOTT M P S**



Metal Framework

Final structure



\* MU abutment is only accessible in digital library with angulation option and used with SFPCOMS screw for ROOTT S, SFPCOM screw for ROOTT M/P.

# Together with specialists for standards that matters

ROOTT has always sought excellence and reliability by utilizing innovative approaches and solutions right from the design stage. Since its foundation, ROOTT has put research and cutting-edge innovation at the forefront of its mission. This is the result of diligent, dedicated work and close cooperation with the Open Dental Community (Luxembourg) – an independent, international team of expert dentists and academic professionals, which provides a significant link between industry and dental professionals.

**ROOTT never compromises on functionality and simplicity dedicated to dental professionals.**

## **Simplicity**

Built with profound knowledge and insight of what is necessary for practitioners to achieve perfection in their successful clinical practice.

## **Functionality**

To ensure functionality and flexibility every product is probed, diligent and dedicated for every specialist need. Each and every single piece of product is created with the research of doctors.





## Restoring smile in one day

Conrad Abu Dhabi Etihad Towers, Abu Dhabi



## Full jaws re-invented: Innovative solutions made handy

The St.Regis Abu Dhabi



## Infinite potential with immediate implantation. Secrets of successful cases

The Abu Dhabi EDITION, Abu Dhabi



## Successful implantation in atrophied bone

Hilton Vienna Plaza, Austria



## Full jaws re-invented: Innovative solutions made handy

Conrad Dubai Hotel, Dubai



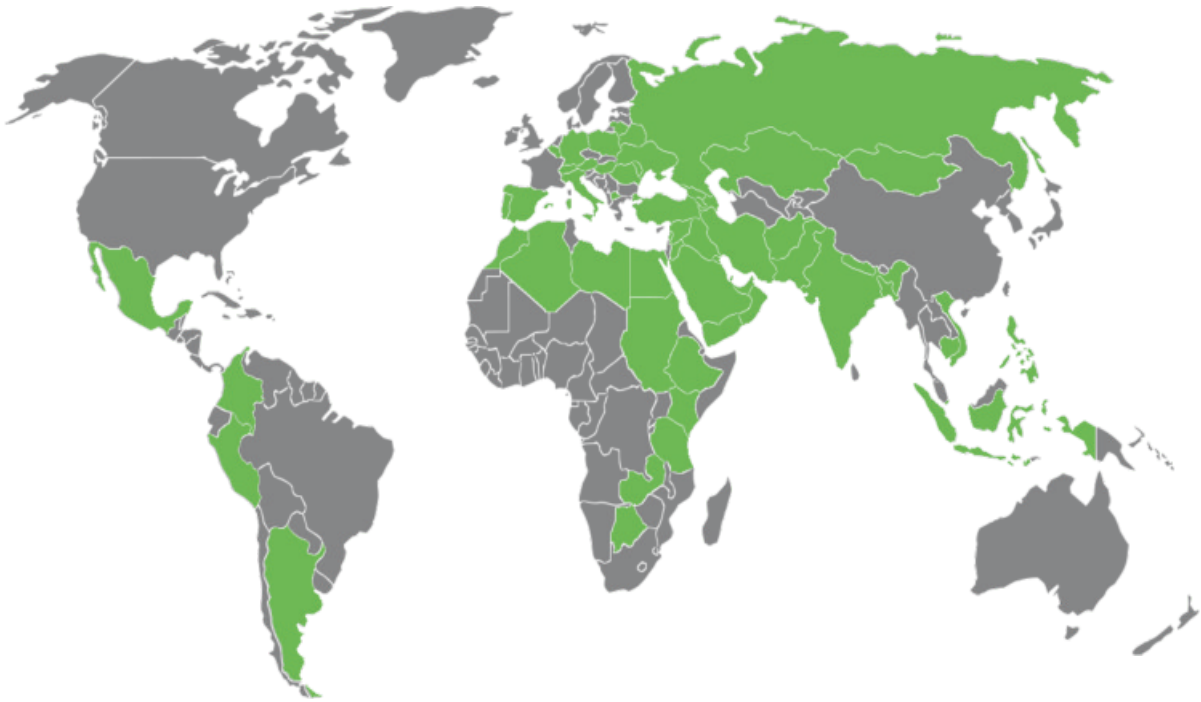
## Infinite potential with immediate implantation. Secrets of successful cases

Conrad Dubai Hotel, Dubai



# 70+

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Clinical  
cases

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