GenXT

Next Generation Implantology

System overview

ZWP ZAHNARZT WIRTSCHAFT PRAXIS

“The only one-piece implant with no organic contaminants or inorganic residues."

"Quality assessment of dental implants by SEM and EDX analysis.
A comparison of five one-piece implants"
Dr. Dirk U. Duddeck, CleanImplant Foundation.
ZWP 3/2016, p. 12-18.

bsi. ISO 13485 Medical devices Quality management

High quality and safety standards

We operate a quality management system based on EN ISO 13485:2016.
The company's products are certified in compliance with the provisions
European Directive 93/42/EEC.

GenXT

Next Generation Implantology

Created for dentists by dentists

The ROOTT Implant System is developed and constantly upgrading by TRATE AG in close cooperation with members of Open Dental Community.

The ROOTTCONCEPT has dispensed with the overcomplicated treatment procedures recommended by implant manufacturers who are limited by their products on the market.

The ROOTT philosophy is to create the ideal artificial tooth which organically integrates with existing biological structures in the simplest way.

Class leading surface purity (ZWP 3/2016, p. 12-18).

Open Dental Community

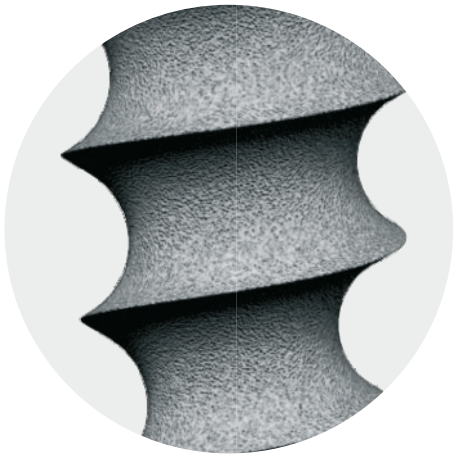
Innovations and development

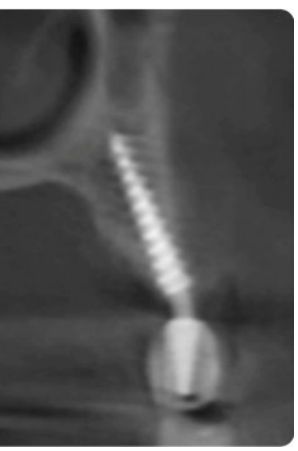
The system development aims to reflect the collective view of independent dental practitioners throughout the world thus TRATE AG closely cooperate with the Open Dental Community NPO (Luxembourg). This approach avoids reliance on individual opinions and makes dentists free to select the method most suited to the patient.

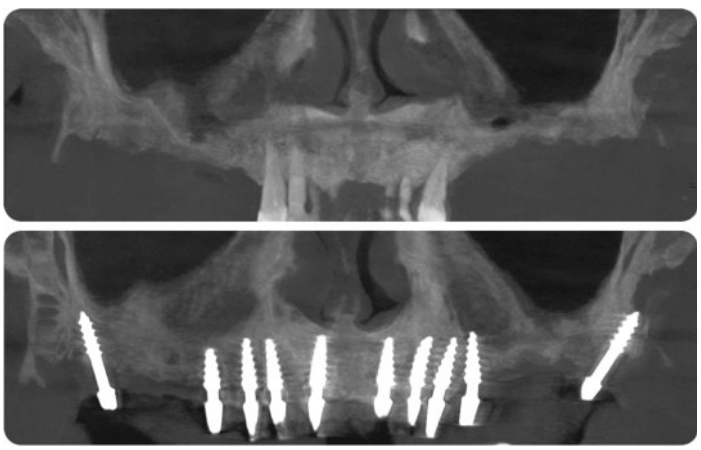
COMPRESSIVE implants

The COMPRESSIVE implant is a one-piece implant with compressive threads. It is used for multiple unit restorations with immediate loading in the upper and lower jaws with adequate bone tissue. It can be used in combination with basal implants and allows flap and flapless placement. Abutment direction can be adjusted up to 15° relative to the implant axis.

- Special compressive threads
- Immediate loading
- Adjustable abutment slope angle
- In accordance with FILO concept can be combined with Basal implants in pterygoid area for total rehabilitation



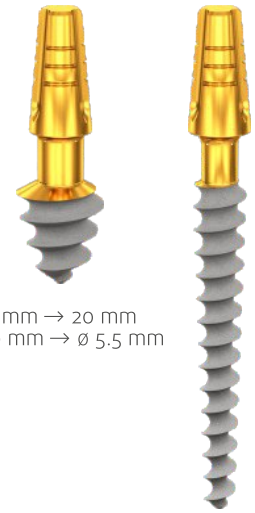




More clinical cases at Open Dental Community Group on Facebook

Wide range of sizes

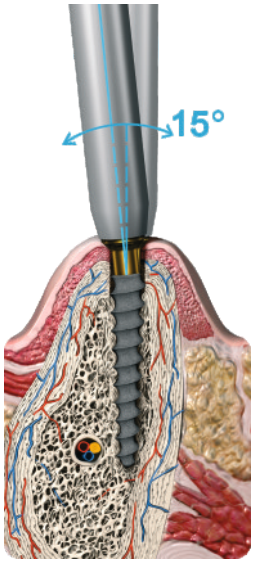
From short and wide to thin and long



6 mm → 20 mm
ø 3.0 mm → ø 5.5 mm

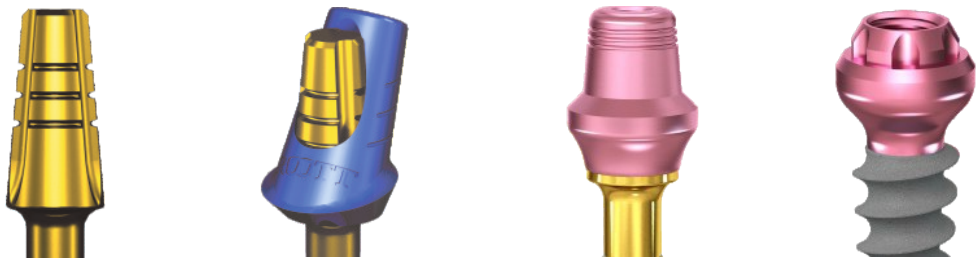
Bendable neck

Depending on the length of the implant the abutment can be bent up to 15 degrees, as long as the implant is placed with high primary stability



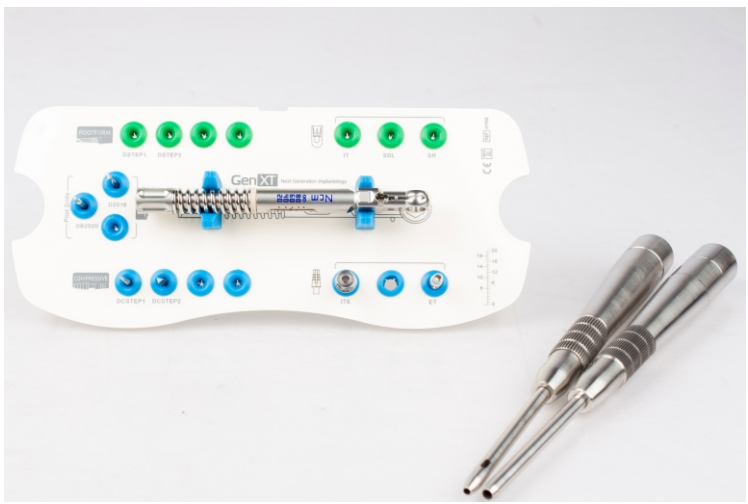
Variety of prosthetic solutions

From cemented fixation and burn-out angulated caps to telescopic caps with screwed retention and CAD-CAM solutions on multiunit platforms.

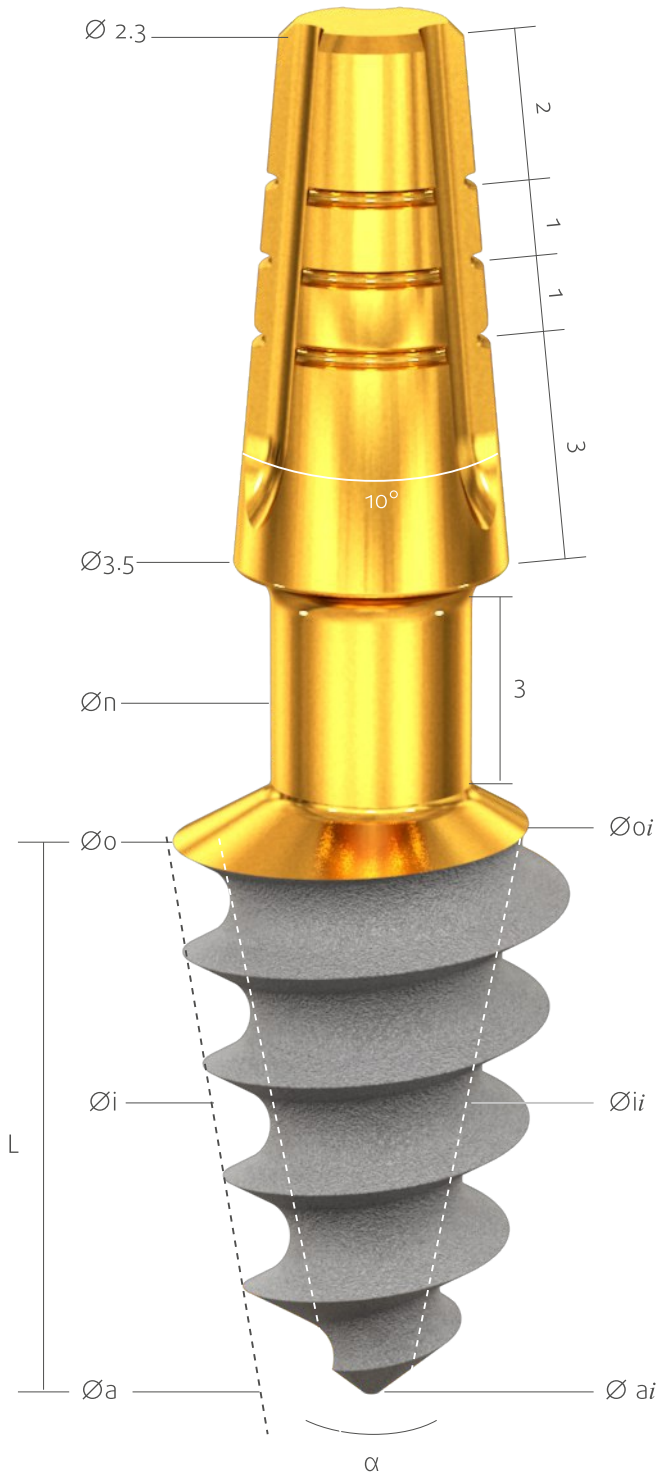


Smart instrument sets

FILO Instrument set for minimal invasive surgery and ESBIPRO kit for bone ridge splitting



Compressive implants



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

	Ø 3.0 Øi 2.05 n 2.05	Ø 3.5 Øi 2.46 n 2.05	Ø 4.0 Øi 2.95 n 2.05	Ø 4.5 Øi 3.05 n 2.35	Ø 5.0 Øi 3.55 n 2.35	Ø 5.5 Øi 4.04 n 2.55
L 6 mm	 C3006 2.4 | 1.4 1.9 | 0.9 43 | 12	 C3506 2.6 | 1.6 1.9 | 0.9 49 | 18	 C4006 3.1 | 2.0 2.4 | 1.2 59 | 23	 C4506 3.5 | 2.1 2.9 | 1.4 73 | 22	 C5006 3.9 | 2.4 3.2 | 1.7 82 | 27	 C5506 4.2 | 2.7 3.3 | 1.8 88 | 33
L 8 mm	 C3008 2.4 | 1.4 1.9 | 0.9 58 | 9	 C3508 2.6 | 1.6 1.9 | 0.9 65 | 13	 C4008 3.1 | 2.0 2.4 | 1.2 82 | 27	 C4508 3.6 | 2.2 2.9 | 1.4 100 | 16	 C5008 4.0 | 2.5 3.2 | 1.8 112 | 20	 C5508 4.2 | 2.7 3.3 | 1.8 121 | 24
L 10 mm	 C3010 2.4 | 1.4 1.9 | 0.9 73 | 7	 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 | 16	 C5510 3.8 | 2.4 2.5 | 1.0 139 | 19
L 12 mm	 C3012 2.3 | 1.3 1.7 | 0.7 86 | 6	 C3512 2.6 | 1.6 1.8 | 0.8 97 | 8	 C4012 2.8 | 1.8 1.8 | 0.8 109 | 11	 C4512 3.3 | 1.9 2.4 | 0.9 140 | 10	 C5012 3.8 | 2.4 2.8 | 1.4 163 | 13	 C5512 4.0 | 2.5 2.5 | 1.1 167 | 15
L 14 mm	 C3014 2.4 | 1.3 1.9 | 0.7 99 | 5	 C3514 2.6 | 1.5 1.8 | 0.7 111 | 7	 C4014 2.9 | 1.8 1.8 | 0.8 128 | 9	 C4514 3.3 | 1.9 2.3 | 0.9 162 | 9	 C5014 3.6 | 2.2 2.4 | 0.9 179 | 11	 C5514 3.8 | 2.3 2.3 | 0.8 191 | 13
L 16 mm	 C3016 2.4 | 1.4 1.7 | 0.8 118 | 4	 C3516 2.6 | 1.6 1.8 | 0.8 128 | 6	 C4016 2.9 | 1.8 1.8 | 0.8 146 | 8	 C4516 3.3 | 1.9 2.3 | 0.8 84 | 8		
L 18 mm	 C3018 2.4 | 1.3 1.7 | 0.7 128 | 4	 C3518 2.7 | 1.7 1.8 | 0.8 146 | 5	 C4018 2.9 | 1.8 1.8 | 0.8 164 | 7	 C4518 3.3 | 1.9 2.2 | 0.8 206 | 7		
L 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 | 6	C4520 3.3 | 1.9 2.2 | 0.8 230 | 6		

Øi \| Øi*i*
Øa \| Øa*i*
S \| α

Compressive implants with short neck

COMPRESSIVE

Bendable ✓
Gingiva H<1 mm ✗
Sinus area ✗

COMPRESSIVE S

Bendable ✗
Gingiva H<1 mm ✓
Sinus area ✓

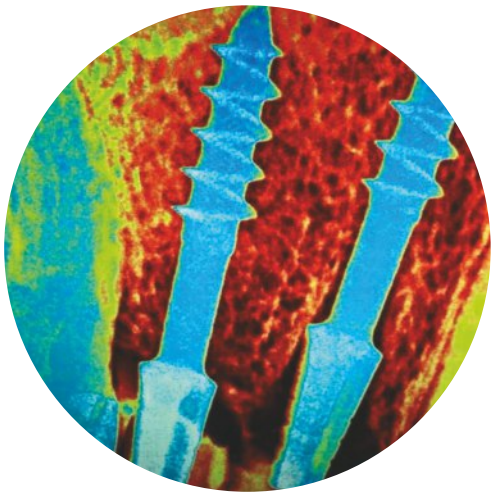
L 6 mm	L 8 mm	L 10 mm	
C4006S	C4008S	C4010S	∅ 4.0
			
C4506S	C4508S	C4510S	∅ 4.5
			

ROOTT
open implant system

BASAL

BASAL implants

BASAL implants are used to create multiple unit restorations in the upper and lower jaws. Can be placed in extraction sockets and in healed bone. The structural characteristics allow placement in height and width deficient bones. Can be placed with flap or flapless technique. Can be used to bypass the mandibular nerve, and for engagement of the cortical bone at the fusion of the pterygoid with the maxilla. Can be used in combination with compressive implants. Can be adjusted up to 15° relative to the implant axis.



- Ideal for resorbed ridges
- Immediate loading
- Placement in the socket of an extracted tooth
- Excellent protection from inflammation around the implant
- Abutment adjustment angle up to 15°

More clinical cases at Open Dental Community Group on Facebook

Wide range of sizes

From short and wide to thin and long

8 mm → 26 mm
ø 3.5 mm → ø 10.5 mm

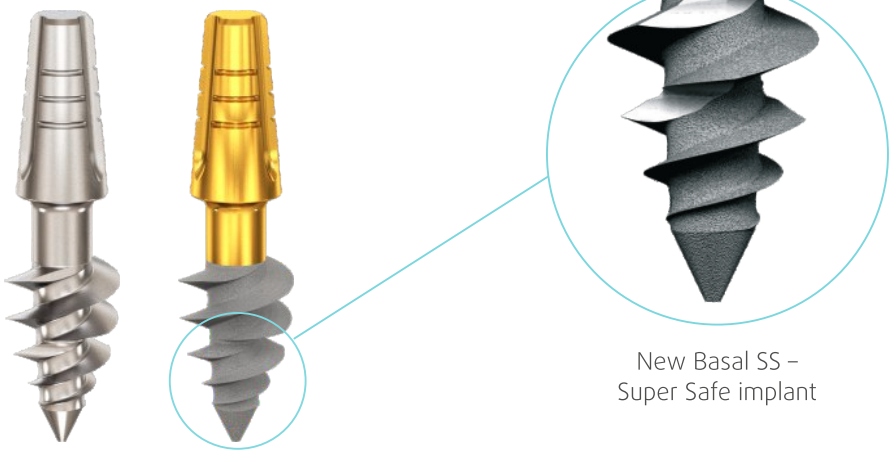
Long polished bendable neck

Depending on the length of the implant the abutment can be bent up to 15° as long as the implant is placed in sound bone

Polished surface protects from accumulation of bacteria at the cervical part of the implant

Different surfaces

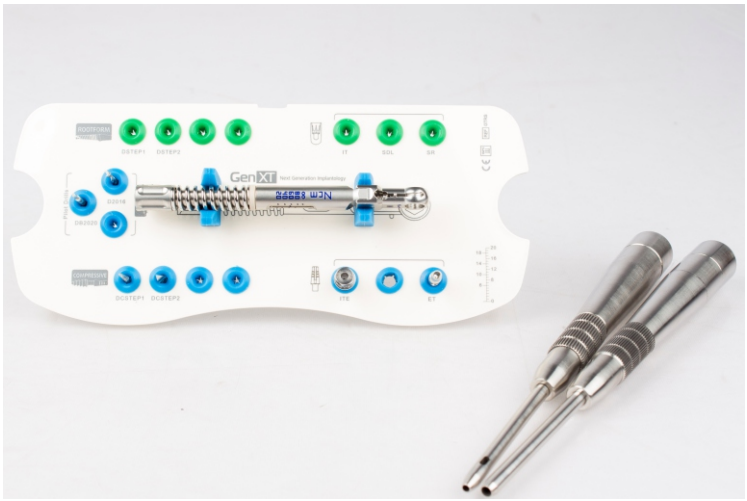
Polished, sandblasted and anodized



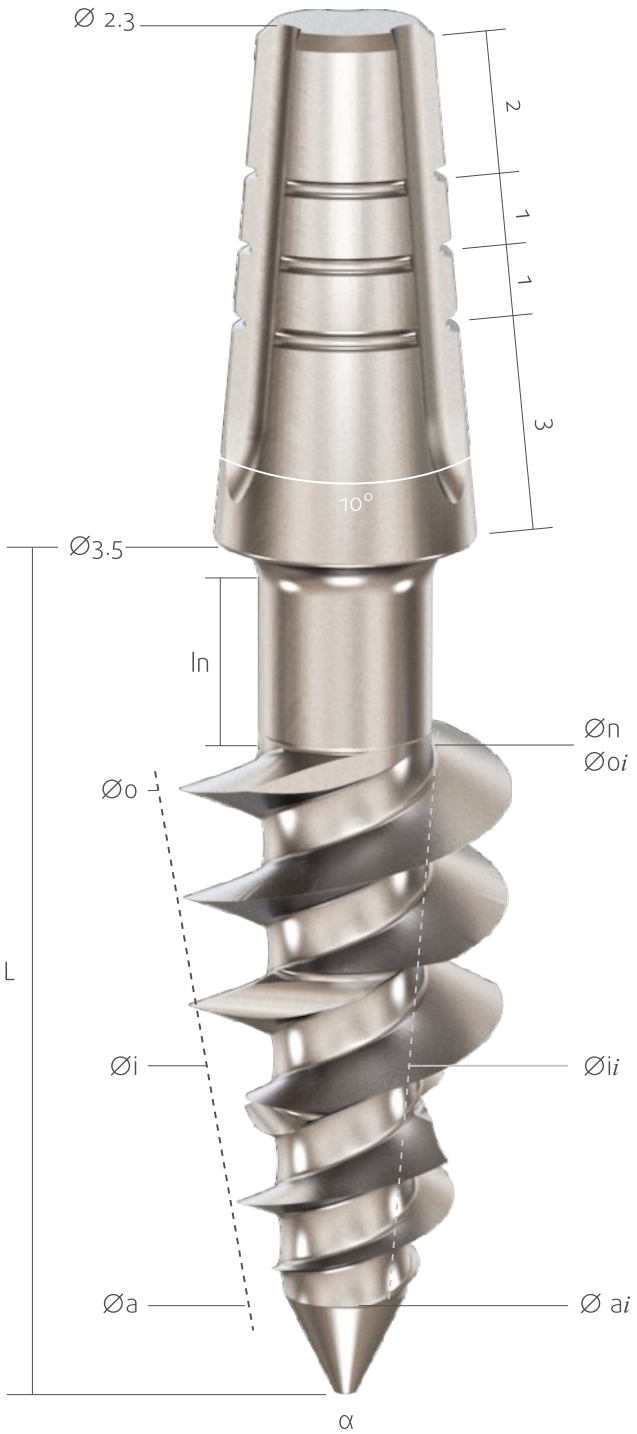
New Basal SS –
Super Safe implant

Smart instrument sets

From individual drill for each implant to all-on-2 drills set for each implant



Basal implants



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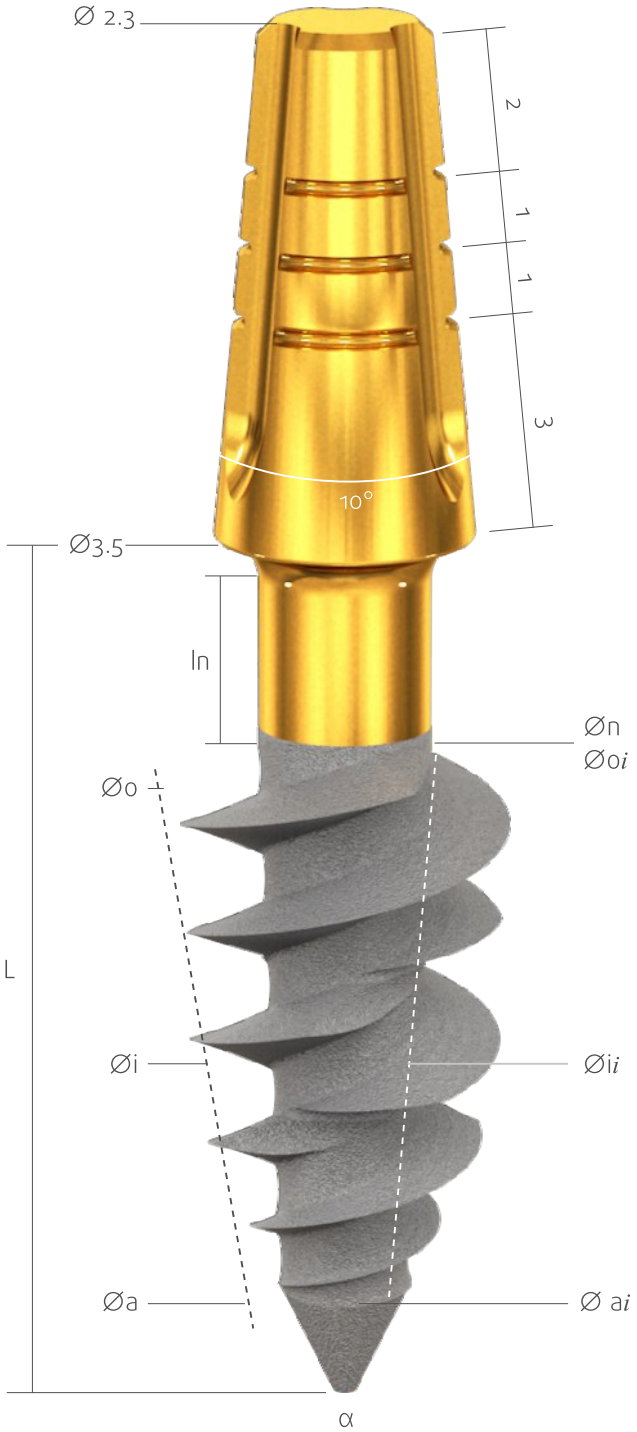
	6 mm	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	22 mm	24 mm	26 mm
	ln 1.5	ln 3	ln 3	ln 3	ln 3	ln 5	ln 7	ln 7	ln 7	ln 7	ln 7
Ø 3.5	B3506	B3508	B3510	B3512	B3514	B3516	B3518	B3520	B3522	B3524	B3526
Øi 3.1 Øi*i* 1.6 Ø0*i* 1.4 n 2.05	s 76 a 18	s 57 a 13	s 73 a 6	s 92 a 5	s 105 a 5	s 117 a 5	s 140 a 4	s 164 a 3	s 183 a 3	s 203 a 2	s 226 a 2
Ø 4.5		B4508	B4510	B4512	B4514	B4516	B4518	B4520	B4522	B4524	B4526
Øi 4.2 Øi*i* 2.0 Ø0*i* 1.7 n 2.35		s 82 a 13	s 105 a 6	s 137 a 5	s 151 a 5	s 166 a 5	s 201 a 4	s 239 a 3	s 268 a 3	s 299 a 2	s 335 a 2
Ø 5.5		B5508	B5510	B5512	B5514						
Øi 4.3 Øi*i* 2.1 Ø0*i* 1.4 n 2.35		s 108 a 10	s 115 a 9	s 147 a 7	s 170 a 6						

Sandblasted basal implants



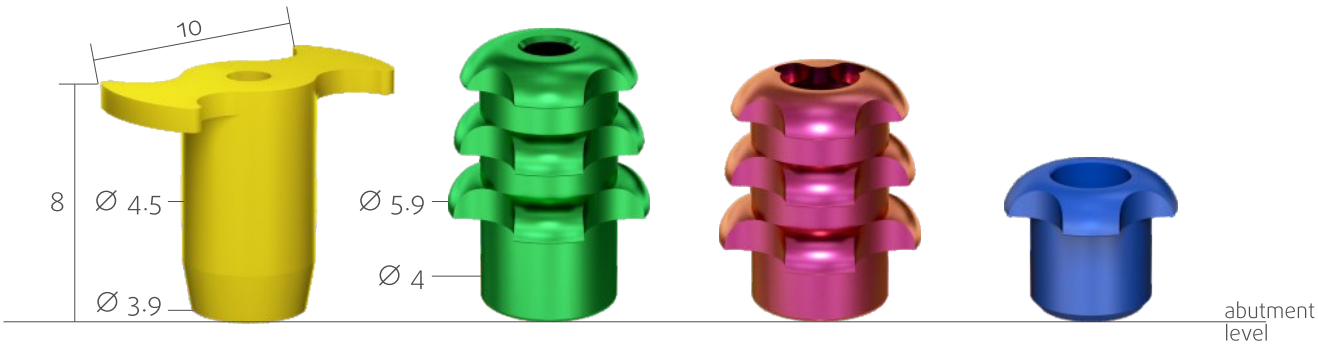
o - occlusal diameter (mm); i - intraosseous diameter (mm); a - apical diameter (mm); n - neck diameter; α - total internal angle (°); s - intraosseous square area (mm^2); *i* = internal.

	6 mm	8 mm	10 mm	12 mm	14 mm	16 mm	18 mm	20 mm	22 mm	24 mm	26 mm
	ln 1.5	ln 3	ln 3	ln 3	ln 3	ln 5	ln 7	ln 7	ln 7	ln 7	ln 7
Ø 3.5	B3506ss	B3508ss	B3510ss	B3512ss	B3514ss	B3516ss	B3518ss	B3520ss	B3522ss	B3524ss	B3526ss
Øi 3.1 Øi*i* 1.6 Ø0*i* 1.4 n 2.05	s 76 a 18	s 57 a 13	s 73 a 6	s 92 a 5	s 105 a 5	s 117 a 5	s 140 a 4	s 164 a 3	s 183 a 3	s 203 a 2	s 226 a 2

Ø 4.5	B4506ss	B4508ss	B4510ss	B4512ss	B4514ss	B4516ss	B4518ss	B4520ss
Øi 4.2 Øi*i* 2.0 Ø0*i* 1.7 n 2.35	s 115 a 18	s 82 a 13	s 105 a 6	s 137 a 5	s 151 a 5	s 166 a 5	s 201 a 4	s 239 a 3

External platform

Transfers



REF	TRA	TOE	TOEA	TOES
	Plastic Rotational	Titanium Rotational	Titanium Anti-Rotational	Titanium Rotational Short

Analogues

REF	ANA	ANE
	Plastic Rotational	Titanium Anti-Rotational

Titanium caps

TCE0	TCE1	TCE2	TCE3	REF
0 mm	1 mm	2 mm	3 mm	

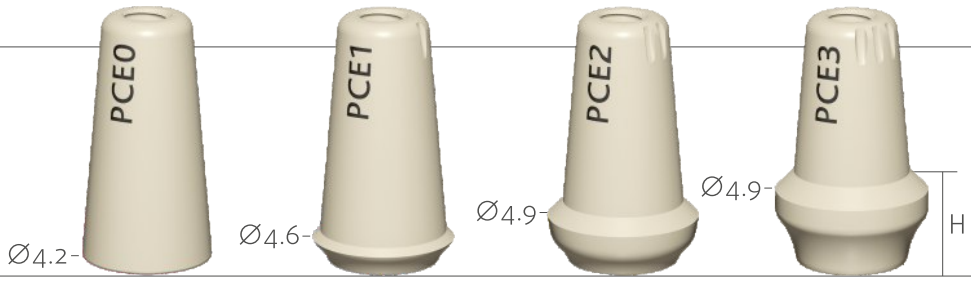
Short

TCES0	TCES1	TCES2	REF
0 mm	1 mm	2 mm	

Extra short

TCEXS1	TCEXS2	REF
1 mm	2 mm	

PEEK caps



PCE0	PCE1	PCE2	PCE3	REF
0 mm	1 mm	2 mm	3 mm	

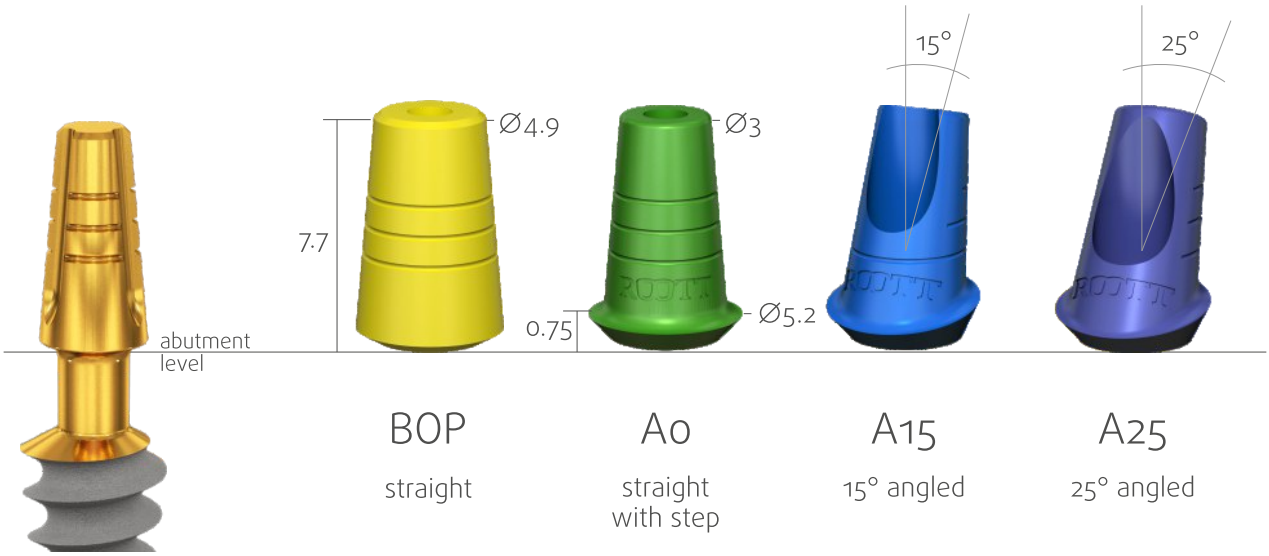
Short

PCES0	PCES1	PCES2	REF
0 mm	1 mm	2 mm	

Extra short

PCEXS1	PCEXS2	REF
1 mm	2 mm	

Burnout parts



BOP	A0	A15	A25	REF
straight	straight with step	15° angled	25° angled	

TOOLS

Instruments

ROOTFORM Rootform drills

D55xx
6-16 mm

D48xx
6-16 mm

D42xx
6-16 mm

D38xx
6-16 mm

D35xx
6-16 mm

D30xx
10-16 mm

COMPRESSIVE Compressive drills

DC55xx
6-14 mm

DC50xx
6-14 mm

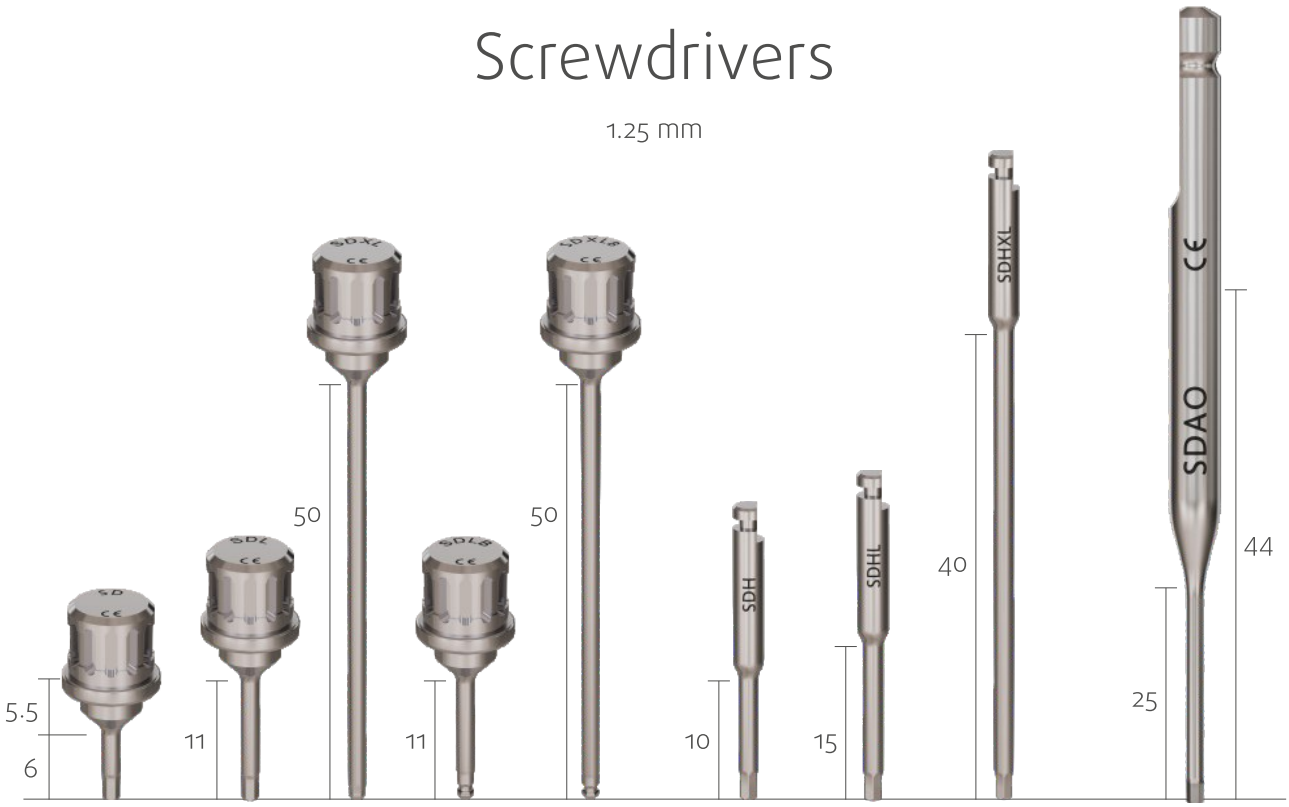
DC45xx
6-20 mm

DC40xx
6-20 mm

DC35xx
6-20 mm

DC30xx
6-20 mm

Screwdrivers



SD | SDL | SDXL | SDLB Ball hex | SDXLB Ball hex | SDH | SDHL | SDHXL | SDAO

For ratchet | For handpiece | For AO handle

Screw removal

SR

Parallel pin

P2

Extension tool

ET

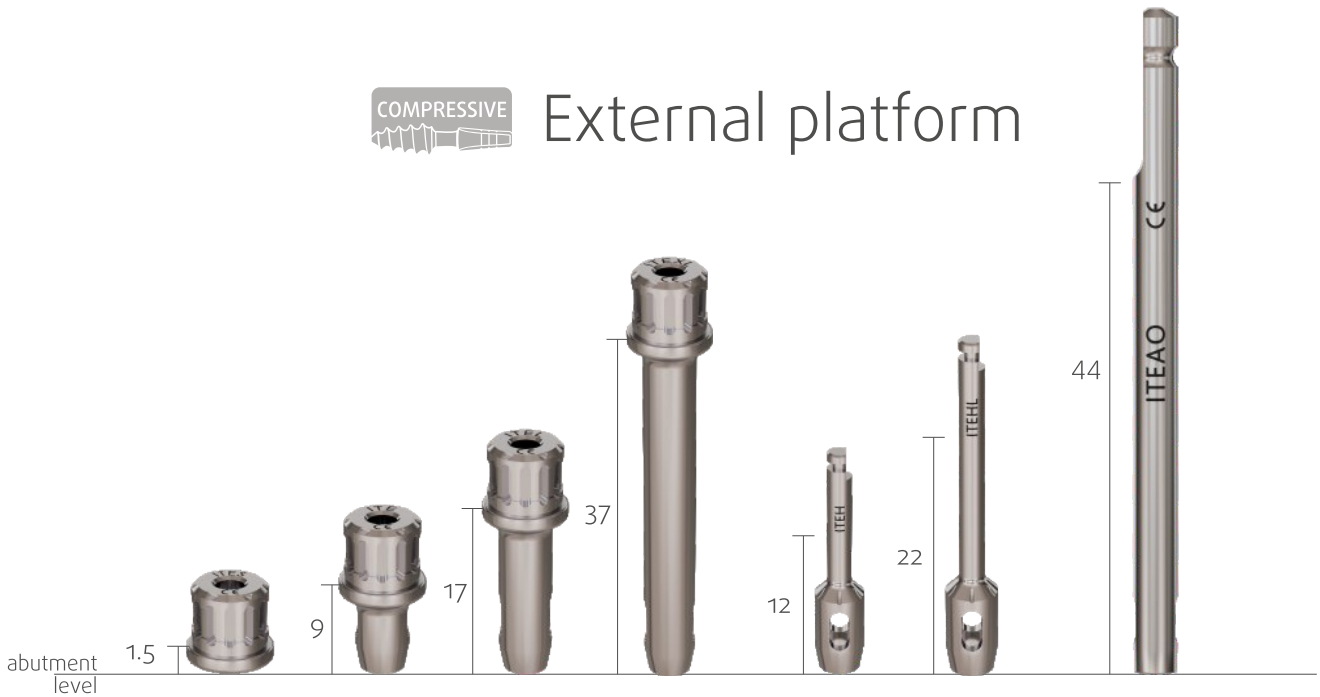
Insertion tools

ROOTFORM Internal platform

IT ITL ITH ITHL ITAO

For ratchet | For handpiece | For AO handle

COMPRESSIVE External platform



ITES ITE ITEL ITEXL ITEH ITEHL ITEAO

For ratchet | For handpiece | For AO handle

Universal instrument set TRS-S

Pilot drills

DB2020

D2020

Universal drills

D3516 (DSTEP1)

D5508 (DSTEP2)

Form drills

DC3516

DC5508

Insertion tools

ITE

IT

Hex driver

SDL

Removal tool

SR

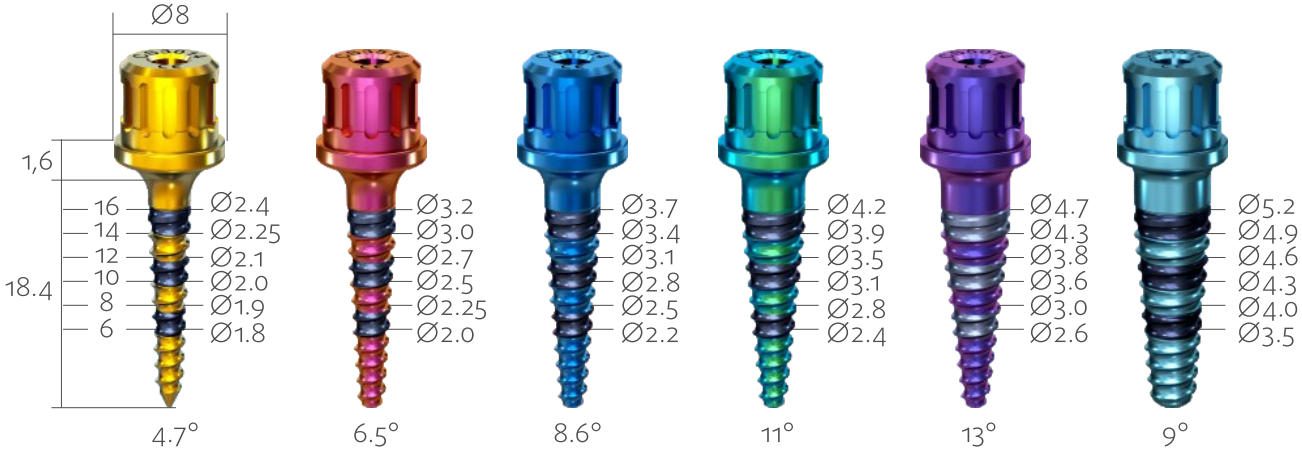
Torque wrench

TW50

ESBIPRO set

Set can be used as bone expander/condenser/spliter,
as evaluation tool before Compressive implants placement,
and (with optional instrument) as Compressive implants placement tool.

Compressive screws (TiGr23)



CS3014 CS3514 CS4014 CS4514 CS5014 CS5514

Pilot drills

DB2020

D2020

Torque wrench

TW50