C-TECH IMPLANT

EL

ESTHETIC LINE
Implant

EL

ESTHETIC LINE implant

All of the materials produced by C-TECH follow a validated procedure, which includes surface treatment and packing as well, in conformity with European and international directives EN ISO 13485, 93/42/EEC and MDR 2017/745 relative to medical devices.

OUR HISTORY

Emilia-Romagna, 1964.
The history of C-Tech begins in this Italian region that, over the years, has become globally known thanks to the work and creativity of its industries and its people.

Our origins started exactly there, with a precision machining workshop. At the beginning, we produced high precision parts for the automotive, aeronautical and the medical device industries. Then, due to our experience in producing orthopedic implants, in 1966 we received our very first order for a dental implant.

Following the increasing success of our products, we specialized in the production, treatment, packaging and certification of dental implants for other companies. Our vast expertise in the design, production and certification of implants finally resulted in the creation of our own brand in 2010.

Since then, we quickly expanded and our production facilities are now completely dedicated to satisfying our growing market demands.

Currently C-Tech offers 4 different implant lines, its own CAD/CAM milling center, as well as guided surgery planning services.

WHO IS C-TECH TODAY

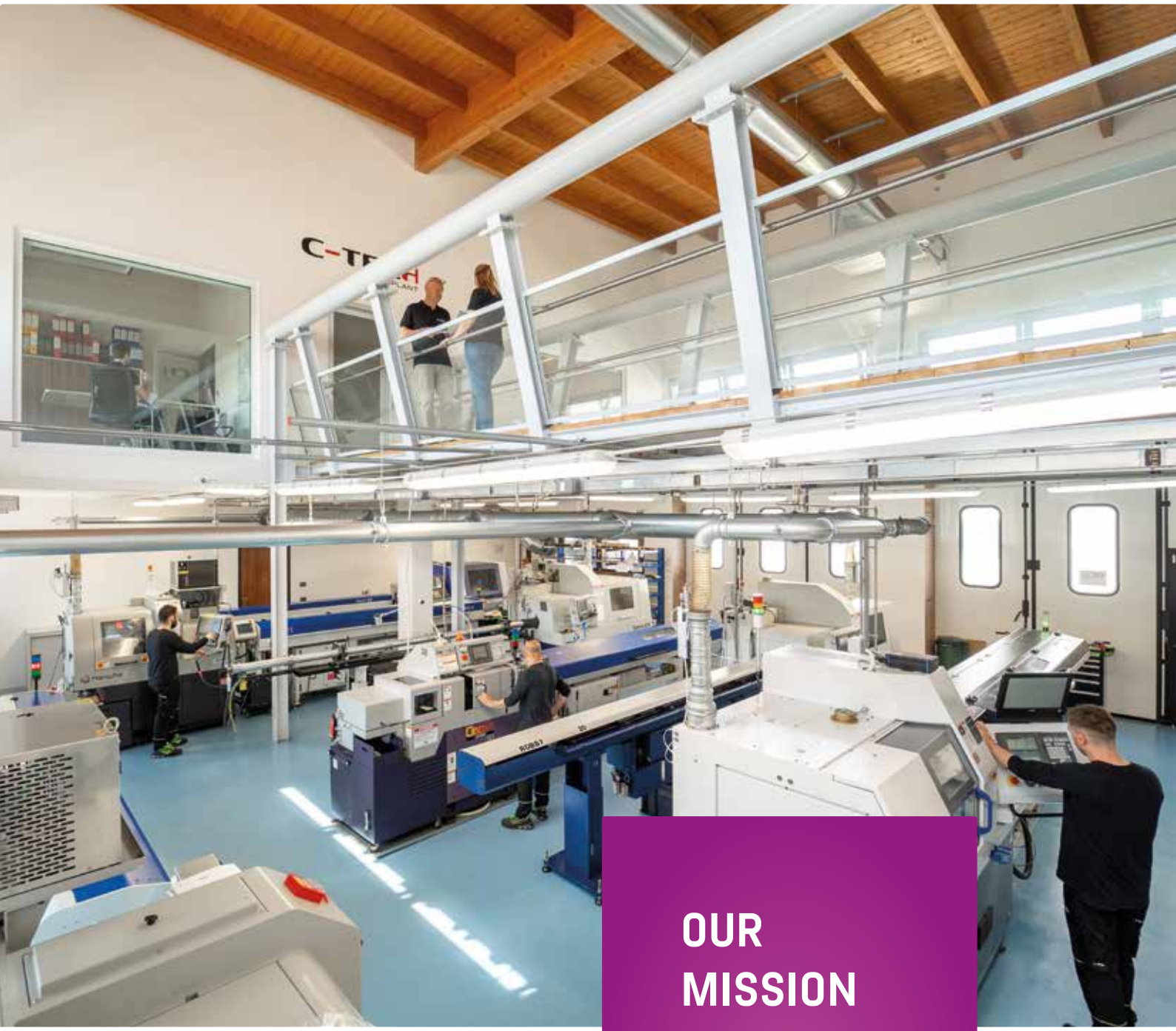
We are an Italian company based in San Pietro in Casale, a town in the metropolitan area of Bologna. This area, as well as the entire Emilia-Romagna region, represents a territory long known in Europe for its tradition and know-how in the production of high precision mechanical components.

Our production facilities are among the finest in Europe and we use our expertise in implant design to make the best and most up to date implant systems and implant-based services. In addition to in house production, our facilities include a guided surgery planning, a milling centre and a training centre.

To back up our designs, we carry our research and long-term studies in the leading universities in Europe, while regularly publishing articles and studies on our products.

With our main markets consisting of Italy, Germany and China, we are certified and export our products to over 34 countries.

We also provide educational and training opportunities on a regular basis, both in our headquarters and abroad. This important service aims to address a critical aspect of dental and medical products: the required education to correctly use them.
For this reason, our training activities aim to help professionals in reaching their full potential, while providing the patient the highest level of care.



OUR MISSION

To provide the highest quality product, service, education and dental implantology solutions to the world's dental practitioners.

EL implant characteristics

Bevelled shoulder
- Facilitates bone growth above the shoulder
- Long term implant stability
- Biological repartition of the forces in cortical bone

Micro grooving
- Softens forces to the cortical bone during insertion
- Facilitates cortical bone maintenance

Triple acid etched surface topography
- Best surface for osseointegration and bone to implant contact

Aggressive apical design
- Ideal for immediate implant placement
- Guarantees primary stability

Rounded apex
- Promotes the protection of the sinus floor, nerve canal and other important anatomical structures during insertion

Subcrestal seating
- Hinders exposure of the implant through bone resorption
- Ideal for the esthetic zone
- Long term esthetic stability

Three different threading profiles
- Thread designs adapted to different bone structures that occur along the lenght of the implant
- Enhanced surface area
- Round but cutting apex design

Double lead thread
- Insertion rate of 2 mm per rotation
- Guarantees primary stability
- Increased bone to implant contact
- Faster and even insertion while protecting bone structure

Thread in thread / groove in groove
- Increased bone to implant contact

Concave esthetic concept
- Non surgical thickening of the peri-implantary tissue
- Facilitates the papilla reconstruction technique

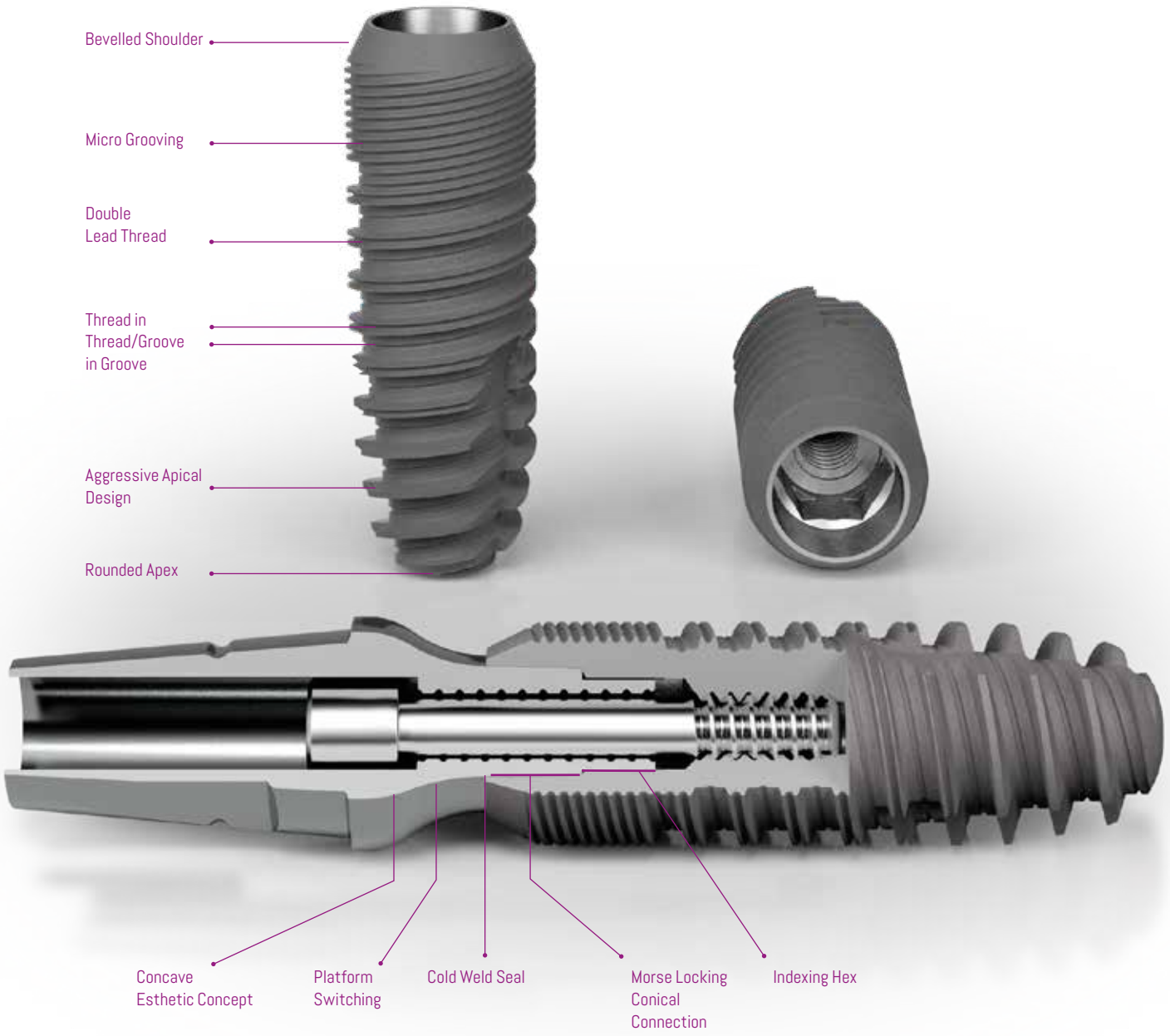
Platform switching
- Reduces bone loss
- Better representation of the biological width
- Promotes long term esthetic stability

One connection for all 4 diameters
- Simplifies the system
- Reduces inventory
- Ease of use

Cold weld seal
- Prevents bacterial infiltration of the implant/prosthetic connection and consequent bone loss

Morse locking conical connection
- Eliminates micro-movements
- Reduces the risk of screw loosening

Indexing hex
- Provides antirotational security


Bevelled Shoulder
Micro Grooving
Double
Lead Thread
Thread in
Thread/Groove
in Groove
Aggressive Apical
Design
Rounded Apex
Concave
Esthetic Concept
Platform
Switching
Cold Weld Seal
Morse Locking
Conical
Connection
Indexing Hex

Purity and precision

Material purity and surface treatment

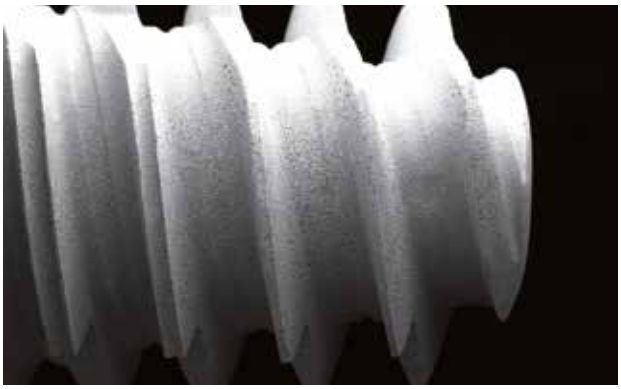
Material purity starts with the acquisition of raw material from only the most reliable sources of which each lot is accompanied by its own material certificate and is completely traceable at all phases of production and later use. The production facility in which all the implants and components are made is owned and operated by C-TECH and is certified to the highest standards governing the production of dental/ medical devices. To maintain these standards, regular and independent audits are performed by the German auditor, TUV Süd. All up to date certificates are available for download on the company's website.

The machining of the EL implant is an intricate process due to the precision required for the Morse conical connection and the exterior complexity of the implant. This intricacy requires double the machining time that would be necessary for that of an average implant.

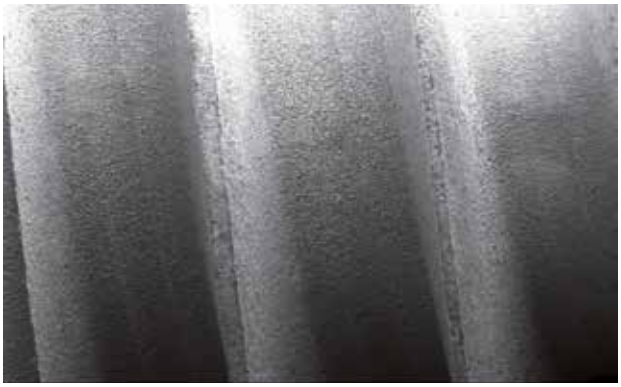
Throughout and following each step of the production process, the implants are thoroughly cleaned in 5 seperate cleaning stages, consisting of a total of 20 cleaning cycles. This attention to cleanliness is in order to assure that no risk of any production residue is remaining on the implant surface.

The surface topography is created through a patented acid etching process. The adjacent photos made with a scanning electron microscope (SEM) demonstrate the lack of impurities on the implant surface as well as the abundant surface area created through the patented acidification process.

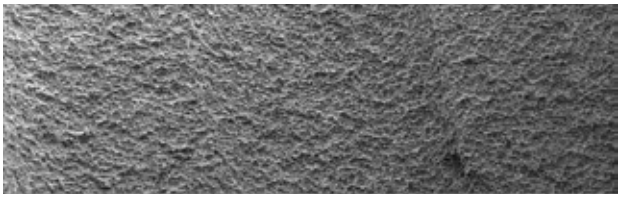
The purity of the grade 4 titanium used for the EL implant and the surface topology were independently verified through an investigation carried out with a scanning electron microscope (SEM) by the University of Cologne and Medical Material Research Center of Berlin, Germany. The investigation demonstrated the highest level of purity and cleanliness resulting in the award of the BDIZ quality seal. This investigation is avaliable in its long form on the C-TECH website.



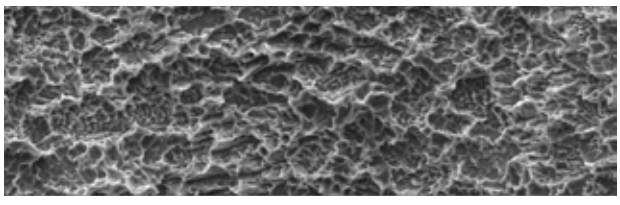
Magnification images 50x 200µm



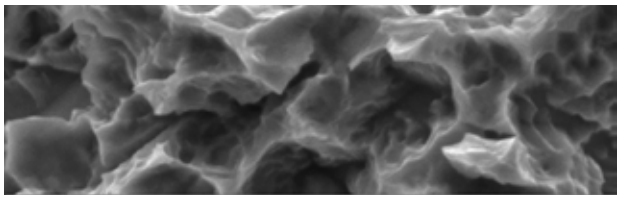
Magnification images 200x 100µm



Magnification images 500x 20µm



Magnification images 3000x 10µm



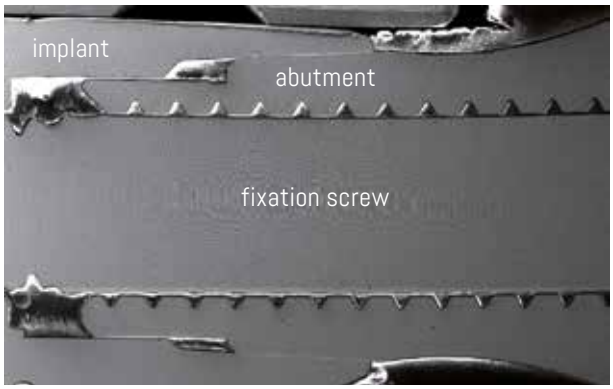
Magnification images 20000x 1µm

Precision components

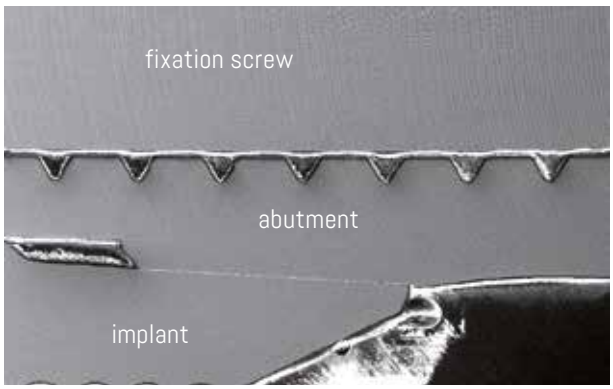
The successful achievement of a Morse lock and cold weld seal in the implant-prosthetic connection depends on high precision machining. A perfect Morse connection will result in a structural integrity and strength that will be as if the 2 parts were fused together and thus will practically eliminate the gap between the implant and the abutment. Accordingly, the C-TECH components are machined to a tolerance of within 10 microns.

This mechanical fusion of the prosthetic part and the implant has 2 important benefits: prevention of the bacterial colonization of the gap, which can lead to bone loss around the implant; the elimination of micro-movements between the implant and abutment and the consequent screw loosening which can lead to prosthetic failure.

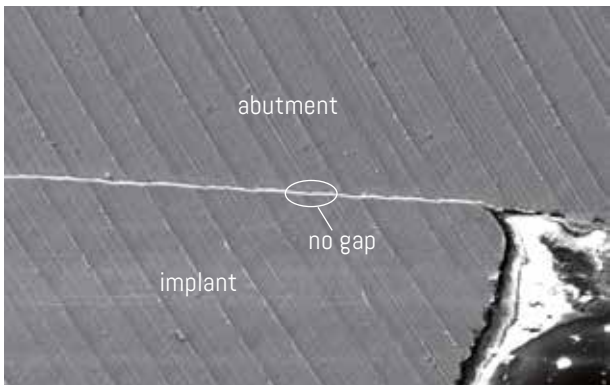
The SEM photos on the right show different magnifications of the tight abutment and implant connection. The final photo at the bottom, at 1000 X magnification, shows a fine line where the abutment and the implant meet. This practically nonexistent gap is less than the 1,5 microns.



Magnification images 50x 200µm



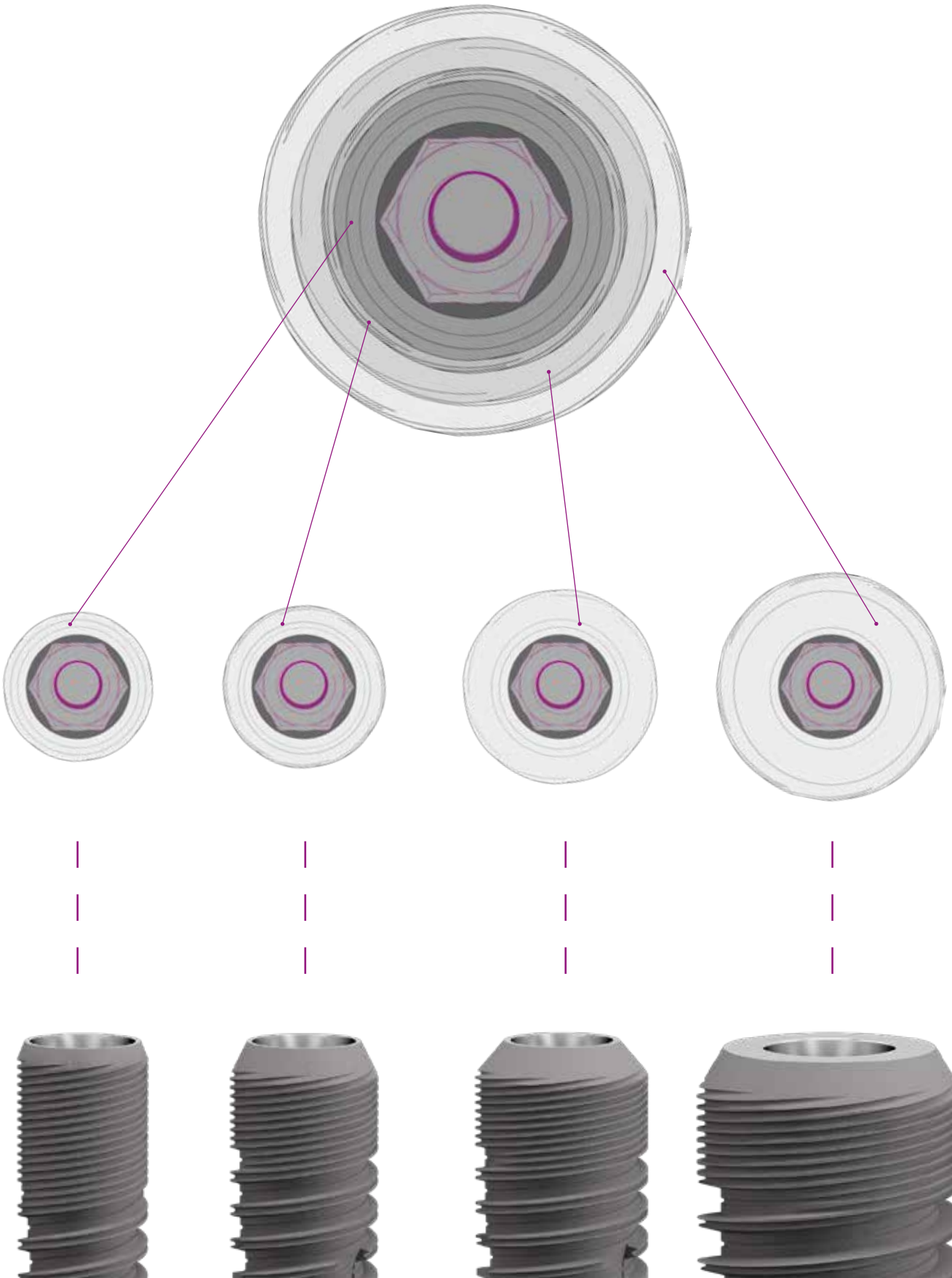
Magnification images 100x 100µm



Magnification images 1000x 10µm

One connection

Same prosthetic platform for all 4 implant diameters



C-Tech abutment extraction

3 possible solutions:

- Manual (Short and Long)
- Combined (Screw + Screwdriver)

Screwing/tightening process

Screw on the crown and tighten to 25 Ncm.

Unscrewing process

Unscrew the internal screw using the manual or ratchet driver.

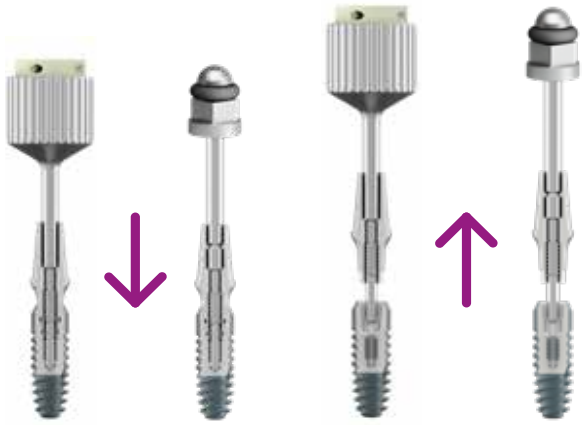
Remove the prosthetic screw.

Extraction

Insert the manual extractor in place of the removed internal screw and turn clockwise until the abutment/base comes out of of the implant.

Screwing/tightening process

Unscrewing process

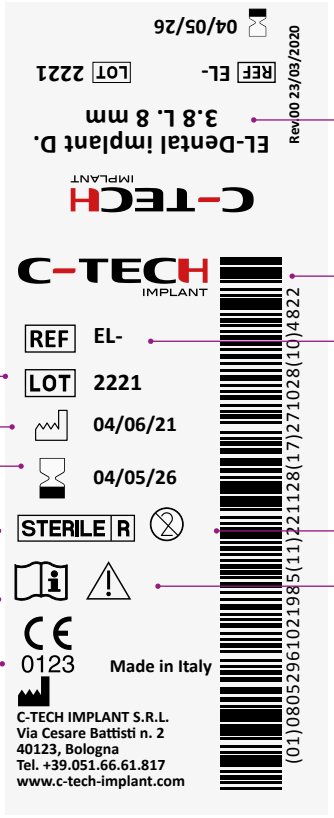


Extraction

Implant packaging

To ensure the highest level of security, our implants are placed into a double vial inside an airtight blister pack. Within the vials the implant is maintained upright by a titanium ring and supported at the implant apex by the titanium cover screw.

Implant labeling



Lot number

Production date

Expiration date

Sterilization with gamma rays

Read the instruction sheet

ISO and CE Certification by TÜV SÜD

Implant dimension

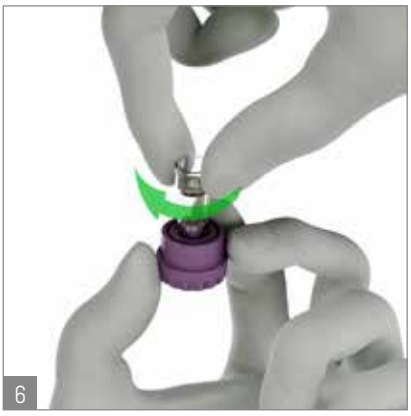
HIBC Health Industry Bar Code Format

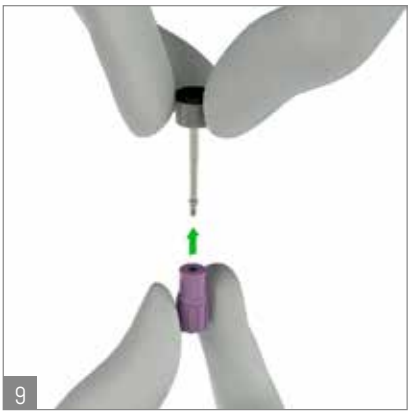
Implant code/reference

Single-use

The device must be used exclusively by the physician

Implant vial protocol





Dental Implants

EL implant ø3.8

G	3.8	3.8	3.8	3.8	3.8
A	8	9	11	13	15
B	1.75	1.55	1.55	1.55	1.55
C	0.5	0.5	0.5	0.5	0.5
D	3.3	3.3	4.0	4.0	4.0
E	4.2	5.2	6.5	8.5	10.5
F	1.0	1.0	1.0	1.0	1.0
H	3	3	3	3	3

Material: titanium grade 4

EL-3508
8 mm

EL-3509
9 mm

EL-3511
11 mm

EL-3513
13 mm

EL-3515
15 mm

EL implant ø4.3

G	4.3	4.3	4.3	4.3	4.3
A	7	9	11	13	15
B	2.1	2.1	2.1	2.1	2.1
C	1	1	1	1	1
D	1	2.3	2.3	2.3	2.3
E	5	5.7	7.7	9.7	11.7
F	1.0	1.0	1.0	1.0	1.0
H	3	3	3	3	3

Material: titanium grade 4

EL-4307 7 mm | EL-4309 9 mm | EL-4311 11 mm | EL-4313 13 mm | EL-4315 15 mm

EL implant ø5.1

G	5.1	5.1	5.1	5.1	5.1
A	7	9	11	13	15
B	3.0	3.0	3.0	3.0	3.0
C	1	1	1	1	1
D	1	2.3	2.3	2.3	2.3
E	5	5.7	7.7	9.7	11.7
F	1.0	1.0	1.0	1.0	1.0
H	3	3	3	3	3

Material: titanium grade 4

EL-5107 7 mm | EL-5109 9 mm | EL-5111 11 mm | EL-5113 13 mm | EL-5115 15 mm

EL implant ø6

G	6.0	6.0	6.0
A	7	8	10
B	2.3	2.5	2.5
C	1	1	1
D	1	2.0	2.0
E	5	5	7
F	1.0	1.0	1.0
H	3	3	3

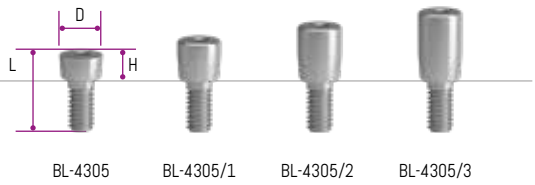
Material: titanium grade 4

EL-6007 7 mm | EL-6008 8 mm | EL-6010 10 mm

Titanium healing abutments

Cover screws

H	L	D	#
1.8	5.5	3	BL-4305
2.8	6.5		BL-4305/1
3.8	7.5		BL-4305/2
4.8	8.5		BL-4305/3



TIGHTENING: with torque ratchet 10 Ncm

Material: titanium grade 5

EL CEC titanium healing abutments ø4.5

D	L \ Fixture	C	#
4.45	3	2	EL-4502HT
	4	3	EL-4503HT
	5	4	EL-4504HT
	7	6	EL-4506HT

TIGHTENING: with torque ratchet 10 Ncm

Material: titanium grade 5

EL CEC titanium healing abutments ø5.5

D	L \ Fixture	C	#
5.45	3	2	EL-5502HT
	4	3	EL-5503HT
	5	4	EL-5504HT
	7	6	EL-5506HT

TIGHTENING: with torque ratchet 10 Ncm

Material: titanium grade 5

Straight Protruding Cover Screws

The EL implant, with its subcrestal placement, favors the growth of bone over the platform and even over the standard cover screw which is flush with the top of the implant. C-TECH thus offers a choice of protruding cover screws which hinder bone growth over the screw top and thus facilitates finding a deeply set implant and consequent removal of the cover screw.

Protruding Cover Screw

Standard/Flush Cover Screw

PEEK healing abutments

EL CEC PEEK healing abutments ø4.5 Include prosthetic screw

D	L \ Fixture	C	#
4.45	3	2.5	EL-4502H
4.45	3.5	3	EL-4503H
4.55	4.5	4	EL-4504H
4.55	6.5	6	EL-4506H

TIGHTENING: with torque ratchet 10 Ncm

Material: PEEK

EL-4502H h2 | EL-4503H h3 | EL-4504H* h4 | EL-4506H* h6

EL CEC PEEK healing abutments ø5.5 Include prosthetic screw

D	L \ Fixture	C	#
5.45	3	2.5	EL-5502H
	3.5	3	EL-5503H
	4.5	4	EL-5504H
	6.5	6	EL-5506H

TIGHTENING: with torque ratchet 10 Ncm

Material: PEEK

EL-5502H h2 | EL-5503H h3 | EL-5504H* h4 | EL-5506H* h6

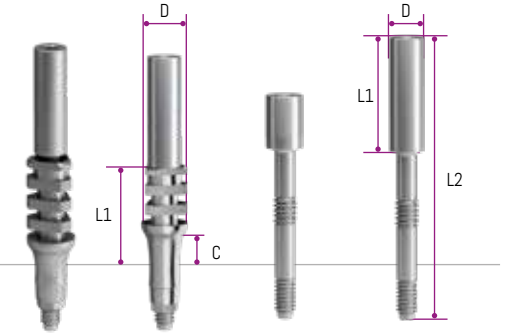
Please Note: the extractor screw (BL-6060 or BL-6061) is required to remove the PEEK healing abutment from the implant.
*Uses the long screw EL-5052HXL
CEC = Concave Esthetic Concept

Open tray impression transfers

Open tray impression post Includes BL-5050L

L1	L2	D	C	#
11.6	-	4.5	5.55	EL-4544L
12.3	-	4.5	4.3	EL-4544S
10	25.7	3	-	BL-5050L
6	21.7	3	-	BL-5050S

Material: Titanium grade 5



EL-4544S | EL-4544L | BL-5050S Short | BL-5050L Long

Analog

L	D
11.5	4

Material: Titanium grade 5

BL-5143

Open tray transfer

Analog

BL-5143

Open tray impression post

EL-4544S

Guide screw

For open tray impression post

BL-5050L
Long

BL-5050S
Short

Intended use
Open tray impression technique.

Characteristics
- Slender emergence profile accommodates space limitations.
- Guide screw can be tightened either by hand or with the prosthetic driver.
- High precision impression components give an exact replica of the intraoral situation.
- Clear-cut tactile response from the prosthetic connection verifies proper seating of components.

Note
Open tray impression procedure requires a custom-made tray with perforations. Impression posts are intended for single use only to ensure optimal fit and precise impression taking for each patient.

STEP 1
Place the impression post accurately into the implant and hand-tighten the guide screw.

STEP 2
Make perforations in the custom-made impression tray (light cured resin) according to the individual situation so that the positioning screw of the impression post sticks out.

STEP 3
Take the impression using an elastomeric impression material (polyvinyl siloxane or polyether rubber).

STEP 4
Reposition and fix the analog in the impression using the screw.


1


2


3


4

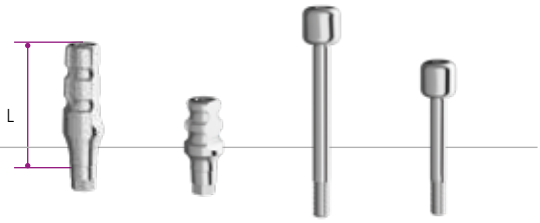
Closed tray impression transfers

Closed tray capless impression post

L	#
13.5	EL-4541M
8.2	EL-4541S

Note: intended use for single tooth only - set inlcudes post and screw

Material: Titanium grade 5



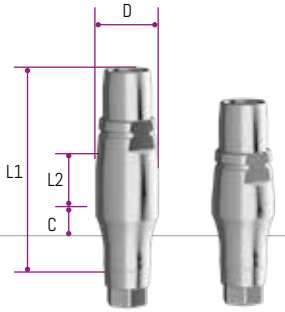
EL-4541M EL-4541S EL-5051M Medium EL-5051S Short

Non engaging closed tray transfers

Include screw and impression cap (BL-4546)

L1	L2	D	C / Fixture	#
12.8	3.0	4	2.87	EL-4540L
10.3	0.5			EL-4540

Material: Titanium grade 5

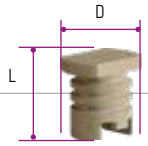


EL-4540L Long EL-4540 Short

PEEK Impression Cap

L	D
5	4

Material: PEEK



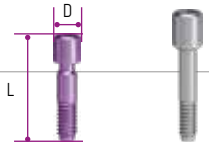
BL-4546

Internal prosthetic screws

L	D	#
8.65	2.47	BL-5052HX
10.8	2.25	EL-5052HXL

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5



BL-5052HX
Standard

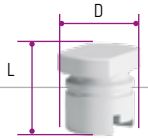
EL-5052HXL
For abutment lenghts 4 and 6 mm

PEEK Impression Cap for titanium or PEEK Abutments

L	D
6	6.5

Note: together with the EL-4547 impression cap, the EL temporary PEEK and EL titanium abutments can be used as closed tray impression transfers.

Material: PEEK



EL-4547

Closed tray transfers

Analog

BL-5143

PEEK Transfers

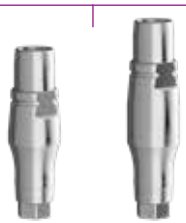
EL PEEK abutments together with the snap on EL-4547 cap function as impression transfers

EL-4502P
EL-4503P
EL-4504P*
EL-4506P*

EL CEC titanium

EL Titanium Abutments together with the snap on EL-4547 cap function as impression transfers

EL-4501F EL-5502F
EL-4502F EL-5503F
EL-4503F EL-5504F*
EL-4504F* EL-5506F*
EL-4506F*



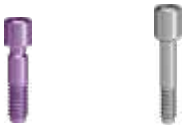
Non engaging transfers

BL-4546 PEEK Impression Cap and BL-5052HX Short Screw are included in the set

EL-4540 Short EL-4540L Long

Closed tray capless impression post

EL-4541S Short EL-4541M Medium



Screw

BL-5052HX Short EL-5052HXL Long

Screw

BL-5052HX Short EL-5052HXL Long

Hex driver

CT-9025S

PEEK Abutment Impression Cap

EL-4547

Hex driver

CT-9025S

PEEK Impression Cap

BL-4546

* Uses the long screw EL-5052HXL

Intended use
Closed tray impression technique.

Characteristics
- Slender emergence profile to accommodate space limitations.
- No additional preparation (i.e. perforation) of tray required.
- High precision impression components giving an exact replica of the intraoral situation.
- Clear-cut tactile response from the prosthetic connection verifyng proper seating of components.

Note
Impression posts ensure optimal fit and precise impression taking for each patient.

STEP 1
Place the impression post accurately into the implant and hand-tighten the prosthetic screw.

STEP 2
Push the impression cap on the top of the impression transfer.

STEP 3
Take the impression using an elastomeric impression material (polyvinyl siloxane or polyether rubber).

STEP 4
Use a standard impression tray.

STEP 5
Mount the impression transfer on the analog using the screw (ref. EL-5052HXL - BL-5052HX).

STEP 6
Reposition the impression transfer in the tray. Push the impression transfer until you feel that the tip of the transfer is completely and firmly reseated into the impression cap.


1


2


3


4


5


6

Technical planning abutments

Ø 4.5 straight planning abutments Include prosthetic screw

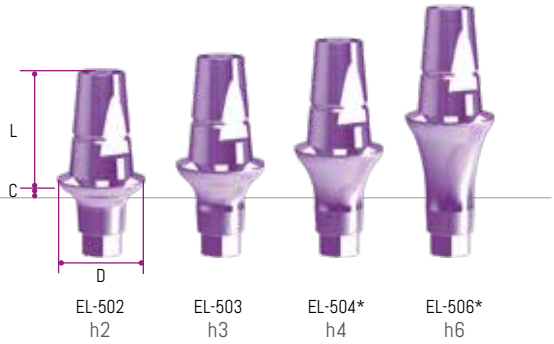
L	D	C \ Fixture	#
6	4.5	1	EL-401
		2	EL-402
		3	EL-403
		4	EL-404
		6	EL-406

Material: Alluminium

Ø 5.5 straight planning abutments Include prosthetic screw

L	D	C \ Fixture	#
7	5.5	2	EL-502
		3	EL-503
		4	EL-504
		6	EL-506

Material: Alluminium

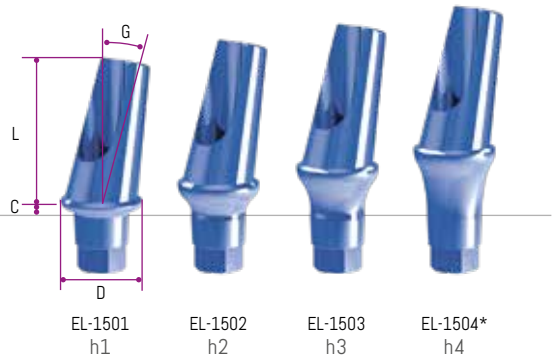


15° angled planning abutments Include prosthetic screw

L	D	C \ Fixture	G	#
7.75	4.5	1	15°	EL-1501
		2		EL-1502
		3		EL-1503
		4		EL-1504

Over angle

Material: Alluminium

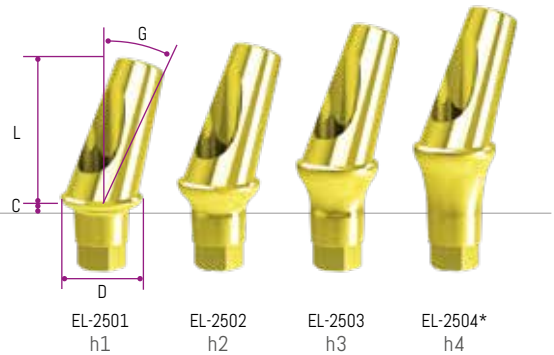


25° angled planning abutments Include prosthetic screw

L	D	C \ Fixture	G	#
7.6	4.5	1	25°	EL-2501
		2		EL-2502
		3		EL-2503
		4		EL-2504

Over angle

Material: Alluminium



Complete set of 17 abutments + screws : Ref PLANKIT01
*Uses the long screw EL-5052HXL

Intended use
Extra-oral planning of prosthetic restoration.

Characteristics
- Color-coded planning abutments.
- Comprehensive planning set containing all planning abutments arranged clearly.
- Proper seating of planning abutments verified through the clear-cut response from the prosthetic connection.
- Planning abutments fabricated of sterilizable material.

Step 1
Place the planning abutment into the technical lab model situation in order to plan and choose the appropriate titanium abutment in cost effective manner.

Step 2
Place the titanium abutment and hand-tighten the screw.

Step 3
Prepare the titanium abutment and modify it as required.

Step 4
Fabricate the superstructure on the modified abutment using the standard modelling, casting and veneering methods.

Step 5
Cast the framework using the standard casting methods.

Step 6
Veneer the superstructure.

Planning abutment kit
PLANKIT01

Titanium abutments

Intended use
Cement-retained restorations.

Characteristics
- Concave esthetic concept (CEC) abutments allow the maintenance of the maximum amount of gingival volume around the abutment. The CEC helps to provide a gingival seal against the bacteria in the oral cavity as well as to promote a natural emergence profile.
- Less grinding necessary due to prepared mucosa margins.
- Adaptation to natural soft tissue contour due to prepared mucosa margins in different heights (H1, H2, H3, H4, H6).
- Reliable.
- Morse locking connection: Abutment and implant are joined together so as to form a single fused unit.
- Extractor system allows easy abutment removal from the implant or the analog.

Note
The cement margin must not be more than 2 mm below the mucosa. Use a new basal screw for the final insertion of the abutment.

EL CEC Titanium ø4.5 abutments Include prosthetic screw

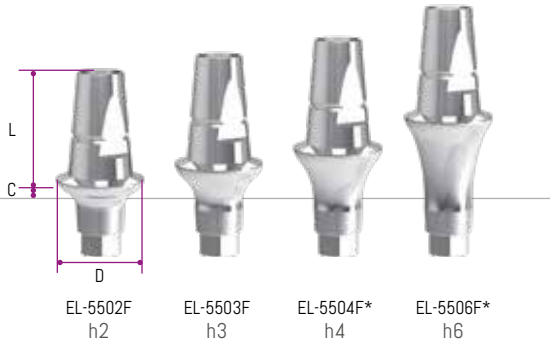
L	D	C \ Fixture	#
6	4.5	1	EL-4501F
		2	EL-4502F
		3	EL-4503F
		4	EL-4504F
		6	EL-4506F

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

EL CEC Titanium ø5.5 abutments Include prosthetic screw

L	D	C \ Fixture	#
7	5.5	2	EL-5502F
		3	EL-5503F
		4	EL-5504F
		6	EL-5506F



TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

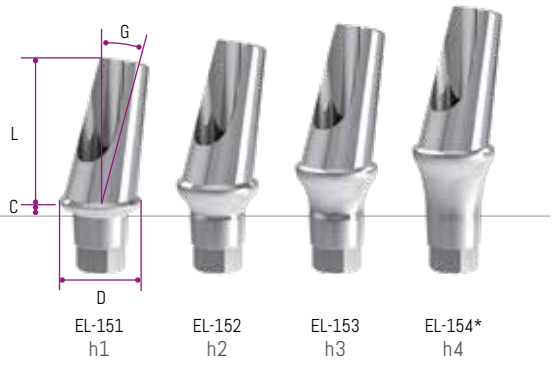
*Uses the long screw EL-5052HXL

EL CEC 15 °angled abutments

Include prosthetic screw

L	D	C \ Fixture	G	#
7.75	4.5	1.1	15°	EL-151
		2		EL-152
		3		EL-153
		4		EL-154

Over angle



TIGHTENING: with torque ratchet 25 Ncm

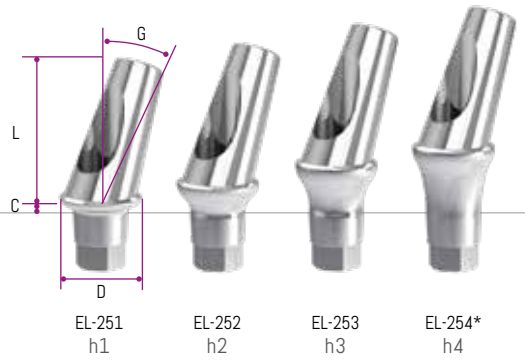
Material: Titanium grade 5

EL CEC 25°angled abutments

Include prosthetic screw

L	D	C \ Fixture	G	#
7.6	4.5	1.1	25°	EL-251
		2		EL-252
		3		EL-253
		4		EL-254

Over angle



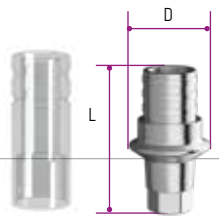
TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

Castable chrome cobalt base

Includes casting cylinder and prosthetic screw BL-5052HX

L	D
8.8	4.2



EL-6041CC

TIGHTENING: with torque ratchet 25 Ncm

Material: Chrome Cobalt and Plexiglass

*Uses the long screw EL-5052HXL

Temporary abutments

Intended use
Temporary prosthesis

Characteristics
PEEK ABUTMENTS
- usable as cemented
- different heights from 2 to 6 mm
- non-rotating, for single crowns

TITANIUM ABUTMENTS
- ideal for temporary screw-retained single crowns or temporary screw-retained bridges
- rotating and non-rotating
- customizable height based on to the restoration

Temporary PEEK abutments

EL CEC PEEK ø4.5 abutments
Include prosthetic screw

L	D	C \ Fixture	#
5.7	4.5	2	EL-4502P
		3	EL-4503P
		4	EL-4504P
		6	EL-4506P

TIGHTENING: with torque ratchet 25 Ncm

Material: PEEK

EL-4502P h2 | EL-4503P h3 | EL-4504P* h4 | EL-4506P* h6

EL CEC PEEK ø5.5 abutments
Include prosthetic screw

L	D	C \ Fixture	#
6.77	5.5	2	EL-5502P
		3	EL-5503P
		4	EL-5504P
		6	EL-5506P

TIGHTENING: with torque ratchet 25 Ncm

Material: PEEK

EL-5502P h2 | EL-5503P h3 | EL-5504P* h4 | EL-5506P* h6

PEEK glue-on temp cap

L	D1	D2
7.8	3.59	4.5

EL-4543

Note: Together with the EL-4543 Temp-Cap, the EL temporary PEEK abutments can be used to temporarily stabilize a prosthesis.

Material: PEEK

*Uses the long screw EL-5052HXL

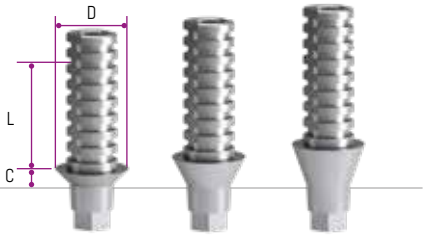
Temporary titanium abutments

Non rotating temporary abutments Include prosthetic screw BL-5052HX

L	D	C \ Fixture	#
10	4.96	0.9	BL-4528/1
		2	BL-4528/2
		3	BL-4528/3

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5



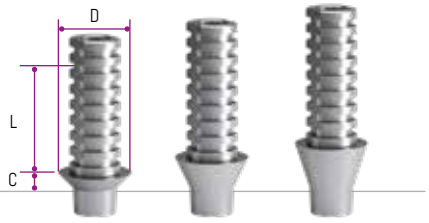
BL-4528/1 h1 BL-4528/2 h2 BL-4528/3 h3

Rotating temporary abutments Include prosthetic screw BL-5052HX

L	D	C \ Fixture	#
10	4.95	1	BL-4528/1R
		2	BL-4528/2R
		3	BL-4528/3R

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5



BL-4528/1R h1 BL-4528/2R h2 BL-4528/3R h3

CAD-CAM Components

Non rotating CEC titanium bases

Include prosthetic screw BL-5052HX

L	D	C \ Fixture	#
5	4.2	0.5	EL-60405
		1	EL-6041
		2	EL-6042
		3	EL-6043

EL-60405 h0.5 | EL-6041 h1 | EL-6042 h2 | EL-6043 h3

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

Rotating CEC titanium bases

Include prosthetic screw BL-5052HX

L	D	C \ Fixture	#
5	4.2	0.5	EL-60405R
		1	EL-6041R
		2	EL-6042R
		3	EL-6043R

EL-60405R h0.5 | EL-6041R h1 | EL-6042R h2 | EL-6043R h3

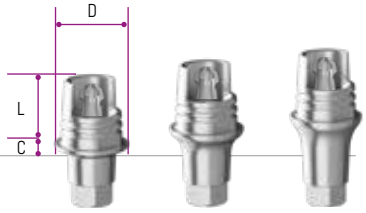
TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

Non rotating Dual Channel titanium bases

Include hexalobular screw EL-5052D

L	D	C \ Fixture	#
4	4.6	1	EL-6041D
		2	EL-6042D
		3	EL-6043D



EL-6041D h1 | EL-6042D h2 | EL-6043D h3

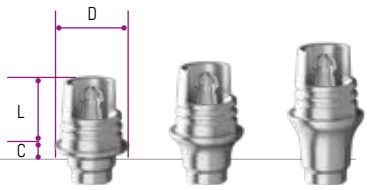
TIGHTENING: with torque ratchet 15 Ncm

Material: Titanium grade 5

Rotating Dual Channel titanium bases

Include hexalobular screw EL-5052D

L	D	C \ Fixture	#
4	4.6	1	EL-6041DR
		2	EL-6042DR
		3	EL-6043DR



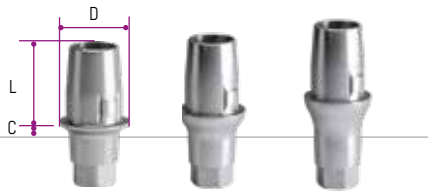
EL-6041DR h1 | EL-6042DR h2 | EL-6043DR h3

TIGHTENING: with torque ratchet 15 Ncm

Material: Titanium grade 5

Titanium CEREC® bases

Available for EXOCAD, 3SHAPE and DENTALWINGS - Include prosthetic screw BL-5052HX



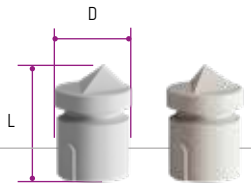
BL-6047 h1 | BL-6047H2 h2 | BL-6047H3 h3

L	D	C \ Fixture	#
4.65	4.25	1	BL-6047
		2	BL-6047H2
		3	BL-6047H3

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

ONE TIME Scan cap for CEREC® bases



BL-6047/1 for Omnicam | BL-6047/2 for Bluecam

L	D
6.55	4.8

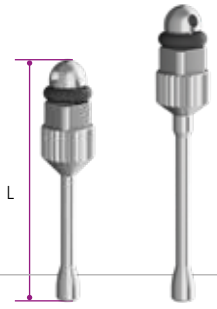
Material: Plastic

Hexalobular latch driver for Dual Channel

EL-9040D

Material: Titanium grade 5

Hexalobular ratchet driver for Dual Channel



EL-9025D | EL-9025LD

L	#
26	EL-9025D
32	EL-9025LD

Material: Stainless steel

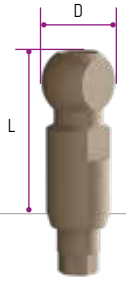
Non rotating scan body

Available for EXOCAD, 3SHAPE and DENTALWINGS - Includes prosthetic screw BL-5052HX

L	D
11.7	4.8

TIGHTENING: with torque ratchet 25 Ncm

Material: PEEK



EL-6040P
PEEK

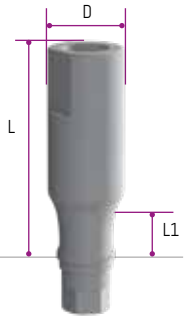
Intra-oral scan body

Available for EXOCAD, 3SHAPE and DENTALWINGS - Includes a prosthetic screw

L	L1	D
12	5	4.2

TIGHTENING: with torque ratchet 15 Ncm

Material: Titanium with anti scatter coating



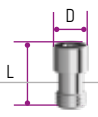
EL-6070
Titanium

Screw for scan cap

L	D
7.5	2.4

TIGHTENING: with torque ratchet 15 Ncm

Material: Titanium grade 5



EL-SCANSCREW

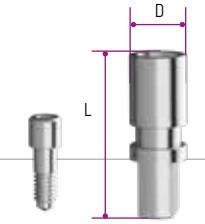
Digital scan analog

Available for EXOCAD, 3SHAPE and DENTALWINGS - Included prosthetic screw DG-SCREW

L	D
11.5	4

TIGHTENING: with torque ratchet 20 Ncm

Material: Titanium grade 5



DG-SCREW
included

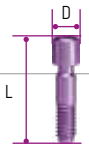
EL-DG5143

Internal prosthetic screw

L	D
8.65	2.47

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5



BL-5052HX
Standard

Hex drivers

L	#
19.9	CT-9025XS
26	CT-9025S
32	CT-9025

Material: Stainless steel

CT-9025XS CT-9025S CT-9025

Extractor driver

L	#
14.8	EL-6060MS
22.8	EL-6060ML

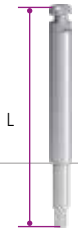
Material: Stainless steel

EL-6060MS EL-6060ML

Prosthetic latch driver

L
26.5

Material: Stainless steel

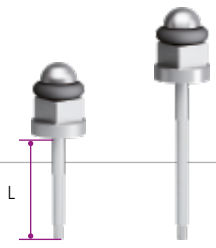


BL-9019

Torque wrench attachments

L	#
12.5	CT-8051
18.5	CT-8052

Material: Stainless steel



CT-8051 CT-8052

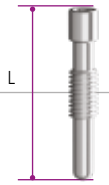
Abutment extractor screw

As the abutment extractor screw is driven in, it will push the abutment out of the analog or implant.

Prosthetic extractor

L
14.2

Material: Stainless steel

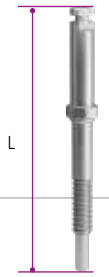


BL-6060

Latch driver prosthetic extractor

L
34.25

Material: Stainless steel

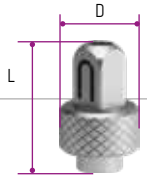


BL-6061

Finger/Ratchet adapter for latch drivers

L	D
8.61	8

Material: Stainless steel



CT-E7003

O-Ball attachment system

O-ball abutment and MUA driver

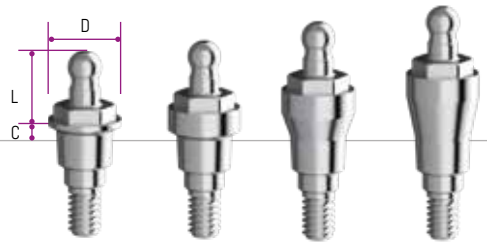
L	D1	D2
19.3	7.9	4.8

Material: Titanium grade 5

BL-0600

O-ball abutments

L	D	C \ Fixture	#
3.7	4	1	BL-5641
		2	BL-5642
		3	BL-5643
		5	BL-5645



BL-5641 BL-5642 BL-5643 BL-5645

TIGHTENING: with torque ratchet 25 Ncm

Complete set includes:

1. O-Ring (Ref. MC-3005) 1 piece
2. Metal Housing (Ref. MCH-2)
3. O-Ball Abutment (Ref. BL-5641, BL-5642, BL-5643, BL-5645)

Material: Titanium grade 5

O-ball analog

L	D
11.5	4

Material: Titanium grade 5

BL-5144

Soft retention caps

L	D
3.5	4.7

Material: Titanium grade 5

o-ring	D
	4.4

Material: FDA Buna

Available in single packages: MCH-1
Available in packages of 4 caps: MCH-1/4

MCH-1 soft | MC-3005B O-RING 5 pieces | MC-3005B/10 O-RING 10 pieces | MC-3005B/25 O-RING 25 pieces

Medium and hard retention caps

L	D	#
3.2	4.2	MCH-2
2.9	4	MCH-3

Material: Titanium grade 5

o-ring	D
	3.8

Material: FDA Buna

Available in single packages: MCH-2, MCH-3
Available in packages of 4 caps: MCH-2/4, MCH-3/4

MCH-2 medium | MCH-3 hard | MC-3005 O-RING 5 pieces | MC-3005/10 O-RING 10 pieces | MC-3005/25 O-RING 25 pieces

Intended use
Removable dentures retained by implants in the mandible and maxilla.

Characteristics
- The clinical process for the O-ball attachment is quick, easy and functional.
- The O-ring attachment is designed to virtually eliminate wear on the O-ball abutment and minimize the need for maintenance.
- 4 different gingival heights.
- 3 different grades of resistance provided by the combination of different o-rings and housings which offer the most suitable retention for each situation.

Note
Dual retention for optimal abutment-denture connection. Excellent long-term performance due to wear resistant components.

STEP 1
Screw the spherical abutment into the implant using the torque ratchet (25 Ncm) and the driver (ref. BL-0600).

STEP 2
Rebase the overdenture according to standard procedure.

STEP 3
Use a laboratory burr to relieve the denture base in the indicated areas.


1


2


3

Anchor abutment system

CE marked products by Rhein83

Smart Box Set

330SBE

335SBC
(complete set)

330SBE set includes:

1 Smart Box housing
1 Black positioning cap

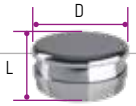
Complete 335SBC set includes:

1 Smart Box housing with black positioning cap (Ref. 330SBE)
2 Stainless steel housings (Ref. 141CAE)
1 Retentive caps - violet "strong" (Ref. 140CEV)
1 Retentive caps - white "standard" (Ref. 140CET)
1 Retentive caps - pink "soft" (Ref. 140CER)
1 Retentive caps - yellow "extra-soft" (Ref. 140CEG)

Metal housing 2 pieces

L	D
1.98	4.5

Material: Titanium grade 5



141CAE

Caps 4 pieces

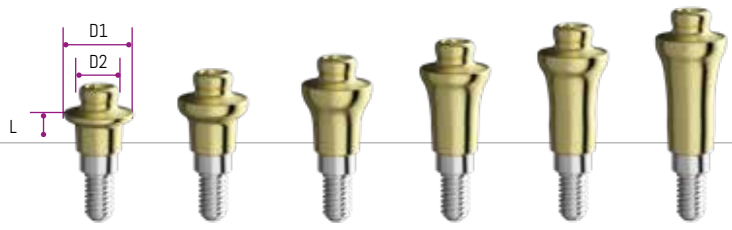
L	D
1.78	3.8

Material: 140CEV - kepital
140CET/140CER/140CEG - pebax

140CEV strong retention 2.7kg
140CET standard retention 1.8kg
140CER soft retention 1.2kg
140CEG extra-soft retention 0.6kg

Anchor abutment

L	D1	D2	#
1	4.3	2.5	134BL1
2			134BL2
3			134BL3
4			134BL4
5			134BL5
6			134BL6



134BL1 h1
134BL2 h2
134BL3 h3
134BL4 h4
134BL5 h5
134BL6 h6

TIGHTENING: with Rhein83 torque ratchet 25 Ncm

Complete set includes:

1 Anchor abutment (Ref. 134BL1, 134BL2, 134BL3, 134BL4, 134BL5)
1 Stainless steel housings (Ref. 141CAE)
1 Retentive caps - violet "strong" (Ref. 140CEV)
1 Retentive caps - white "standard" (Ref. 140CET)
1 Retentive caps - pink "soft" (Ref. 140CER)
1 Retentive caps - yellow "extra-soft" (Ref. 140CEG)
1 Processing caps - black (140CEN)

Material: Titanium grade 5

OT equator titanium scan abutment + titanium screw

Material: Titanium grade 5

145SAE

Torque ratchet

Material: Stainless steel

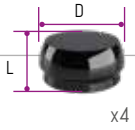
760CRD-US

Laboratory accessories

Processing caps - black 4 pieces

L	D
1.78	3.8

Material: Rilsan



140CEN

Impression coping 2 pieces

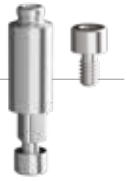
L	D
9	3.7

Material: Acetal

144MTE

Laboratory analog with screw for CAD/CAM ø4mm

Material: Titanium grade 5



144AVC4

Laboratory analog 2 pieces

L	D1	D2
15.6	4.3	2.5

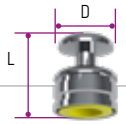
Material: Stainless steel AISI 303

144AE

Pull-off impression coping

L	D
5.5	4.6

Material: Stainless steel AISI 303

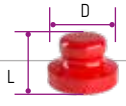


044CAIN

Castable cap

L	D
2.45	3.8

Material: Crystal polystyrene



151SS

Anchor system instruments

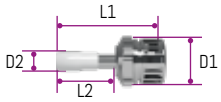
Metal insertion/extraction tool for caps

Material: Nylon and Stainless steel

485IC

OT-Equator square screw driver for Anchor abutment

Compatible only with Rhein83 torque ratchet

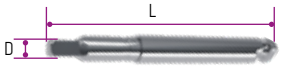


L1	L2	D1	D2
17	10.5	9	3.5

Material: Stainless steel

774CHE
square
1.25 mm

OT-Equator square latch driver for abutment



L	D
22	2.3

Material: Stainless steel

760CE

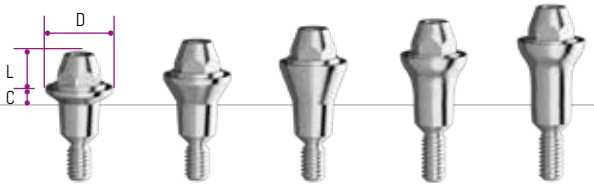
Full arch screw retained restorations

Full arch screw retained/Multi unit abutments can be used only with splinted full arch restorations and only with a minimum of 4 units.

Straight abutments

Include positioner EL-POS

L	D	C	#
2.5	5	1	BL-4750/1
		2	BL-4750/2
		3	BL-4750/3
		4	BL-4750/4
		5	BL-4750/5



BL-4750/1 h1 | BL-4750/2 h2 | BL-4750/3 h3 | BL-4750/4 h4 | BL-4750/5 h5

TIGHTENING: with torque ratchet 25 Ncm
Bridge screw torque 10 Ncm

Material: Titanium grade 5

17° angled abutments

Include internal screw BL-5052MUA

L	D	C1	C2	G	#
2.5	5.5	1.1	2.6	17°	BL-1750/1
		2	3.5		BL-1750/2
		3	4.5		BL-1750/3
		4	5.5		BL-1750/4
		5	6.5		BL-1750/5
		6	7.5		BL-1750/6

BL-1750/1 h1 | BL-1750/2 h2 | BL-1750/3 h3 | BL-1750/4 h4 | BL-1750/5 h5 | BL-1750/6 h6

Over angle

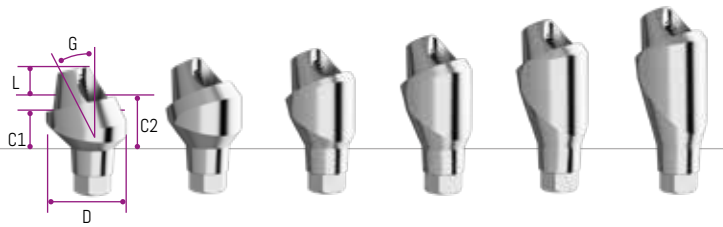
TIGHTENING: with torque ratchet 25 Ncm
Bridge screw torque 10 Ncm

Material: Titanium grade 5

30° angled abutments

Include internal screw BL-5052MUA

L	D	C1	C2	G	#
2.5	5	1	3.5	30°	BL-3050/1
		2	4.5		BL-3050/2
		3	5.5		BL-3050/3
		4	6.5		BL-3050/4
		5	7.5		BL-3050/5
		6	8.5		BL-3050/6



BL-3050/1 h1 | BL-3050/2 h2 | BL-3050/3 h3 | BL-3050/4 h4 | BL-3050/5 h5 | BL-3050/6 h6

Over angle

TIGHTENING: with torque ratchet 25 Ncm
Bridge screw torque 10 Ncm

Material: Titanium grade 5

MUA positioner

L	D1	D2
20	4	5

Material: Plexiglass

EL-POS

Screw driver for MUA angled abutments

Material: Titanium grade 5

BL-7013

O-ball, MUA and SSR abutments driver

L	D1	D2
19.3	7.9	4.8

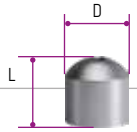
Material: Stainless steel

BL-0600

Healing cap

L	D
5.7	5

Material: Titanium grade 5



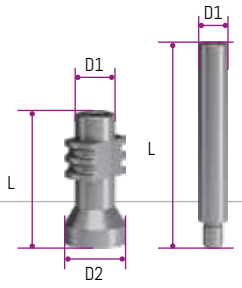
BL-7000

Open tray transfer

Includes screw BL-7012

L	D1	D2	#
10.5	4.2	5	BL-7011
15	2.1	-	BL-7012

Material: Titanium grade 5



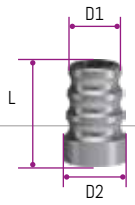
BL-7011

BL-7012
screw

Closed tray transfer

L	D1	D2
8	4.2	5

Material: Titanium grade 5

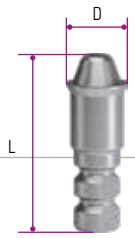


BL-7010

Multi-unit analog

L	D
14.7	5

Material: Titanium grade 5



BL-5146

Temporary titanium abutment
Includes bridge screw BL-6051

L	D1	D2
12	3.5	5

TIGHTENING: with torque ratchet 10 Ncm

Material: Titanium grade 5

BL-4526

Castable abutment
Includes bridge screw BL-6051

L	D1	D2
12.45	3.3	4.6

TIGHTENING: with torque ratchet 10 Ncm

Material: Plexiglass

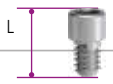
BL-5647

Bridge screw

L	D
3.5	2

TIGHTENING: with torque ratchet 10 Ncm

Material: Titanium grade 5



BL-6051

Internal prosthetic screw
For angled MUA

L	D
8.1	2.2

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

BL-5052MUA

MUA CAD-CAM Components

MUA scan
Available for EXOCAD, 3SHAPE and DENTALWINGS - includes bridge screw BL-6051

L	D
10	5.2

TIGHTENING: with torque ratchet 10 Ncm

Material: PEEK

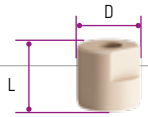
EL-MUASCANP
PEEK

Short MUA scan
Available for EXOCAD, 3SHAPE and DENTALWINGS - includes bridge screw BL-6051

L	D
5	5.2

TIGHTENING: with torque ratchet 10 Ncm

Material: PEEK



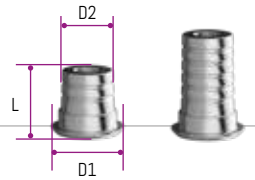
EL-MUASCANS
PEEK

MUA bases
Available for EXOCAD, 3SHAPE and DENTALWINGS - Include prosthetic screw BL-6051

L	D1	D2	#
5	5.8	4	EL-DG4526S
8			EL-DG4526L

TIGHTENING: with torque ratchet 10 Ncm

Material: Titanium grade 5



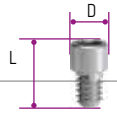
EL-DG4526S EL-DG4526L

Bridge screw

L	D
3.5	2

TIGHTENING: with torque ratchet 10 Ncm

Material: Titanium grade 5



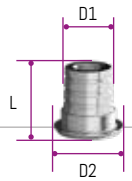
BL-6051

MUA Ti-base for Angled Screw Channel

Available for EXOCAD, 3SHAPE and DENTALWINGS - Includes prosthetic screw BL-6051ASC

L	D1	D2
5.35	4	5.6

Material: Titanium grade 5



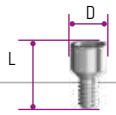
EL-4526ASC

MUA Bridge Screw for Angled Screw Channel

L	D
4.4	2.4

TIGHTENING: with torque ratchet 10 Ncm

Material: Titanium grade 5



BL-6051ASC

Hexalobular latch driver medium

Material: Titanium grade 5

HEXA-M

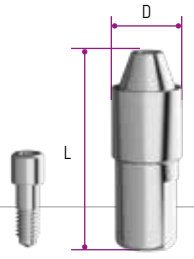
3D MUA analog

Available for EXOCAD, 3SHAPE and DENTALWINGS - Includes prosthetic screw DG-SCREW

L	D
14	5

TIGHTENING: with torque ratchet 20 Ncm

Material: Titanium grade 5



DG-SCREW included

EL-DG5146

Closed tray technique

Patient procedure

STEP 1
Remove the healing abutments.

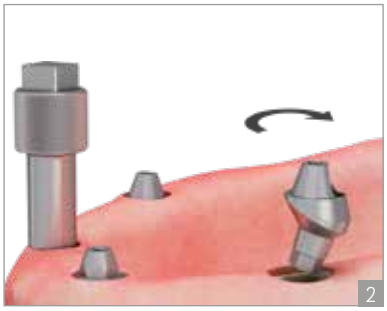
STEP 2
Screw the abutment into the implant.

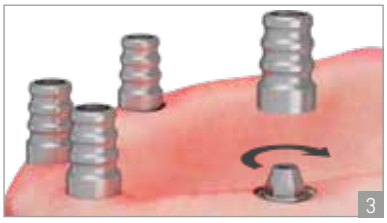
STEP 3
Screw each closed tray transfer onto the protruding abutments.

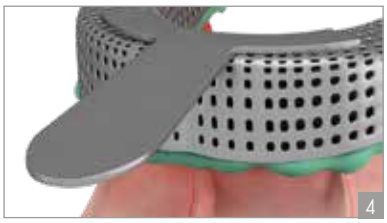
STEP 4
Take the impression using an elastomeric impression material (polyvinyl siloxan or polyether rubber).

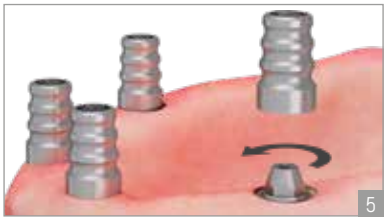
STEP 5
Remove the closed tray transfer from the abutment.

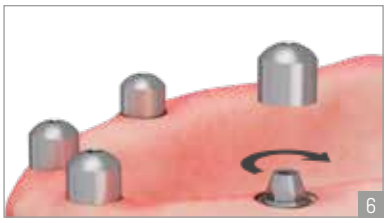
STEP 6
Screw onto the abutments the healing cap screws so as to keep the soft tissue in place until the final prosthesis is completed.











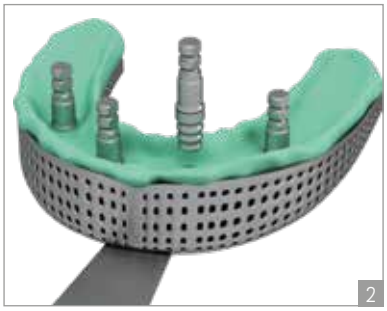
Laboratory procedure

STEP 1
Screw the closed tray transfer onto the analog.

STEP 2
Reposition the transfer into the previously taken impression material being sure that the transfers are properly seated.

STEP 3
Master model.


1


2


3

Screw retained restorations

STEP 1
Fabricate the stone model including analogs and gingival mask.

STEP 2
Place and screw the castable abutments onto the protruding multi-unit analogs.
Shorten the cylinders down to the height of the occlusal plane.

STEP 3
Remove the gingiva modeling material to permit easy access for submucosal contouring and verification of component seating. Wax-up the bridge framework to appropriate dimensions. The layer of wax must have sufficient thickness to avoid the wrong coefficient of thermal expansion and a negative effect on porcelain firing.

STEP 4
Prepare the wax-up for investing and casting procedures.

STEP 5
Attach the resulting framework to the models and create final prosthesis.

STEP 6
Passively fit the resulting prosthesis onto the abutments.


1


2


3


4


5


6

Multi-unit screw retained abutment drill guide

Intended use

This drill guide facilitates the placement of the implants at the correct angulations which helps assure that the final position of the multi-unit abutment will be perpendicular to the patient's jaw.

Characteristics

- Durable titanium construction.
- Adjustable and foldable, allowing to be parallel to and follow the contour of the crestal bone.
- Sterilizable.

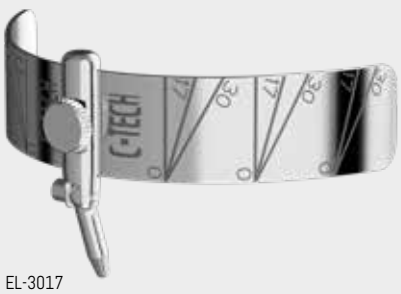
STEP 1
Make a 2.0 pilot hole in order to place the guide pin.

STEP 2
After placement of the guide pin into the drilled site, the angle and position of the guide band can be adjusted to be parallel to the crestal bone.

STEP 3
The titanium band can be bent in order to follow the arch of the crestal bone.

STEP 4
Three different angulations are indicated on the outside of the guide, 0°, 17° and 30°. These angulations match the angulations of the different C-TECH multi-unit screw retained abutments.

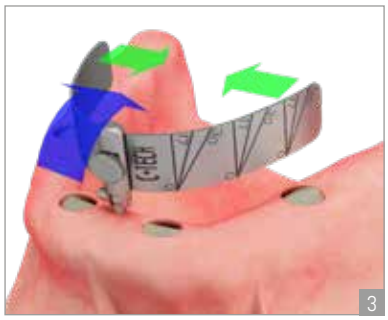
STEP 5
Placement of the screw retained abutments.



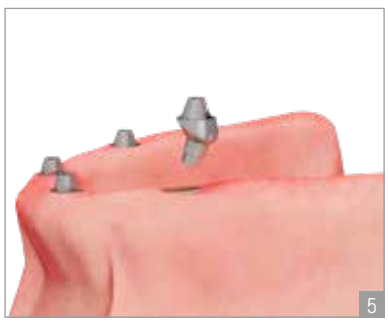
EL-3017


1


2


3

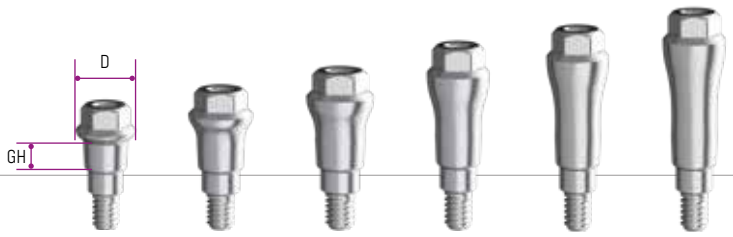

4


5

OMNI System

OMNI abutments can be used both on a bridge and a full arch. Their small diameter facilitates aesthetics, especially in the anterior region. They are endowed with 1.8 mm bridge screw.

OMNI Abutment Includes positioner SSR-POS



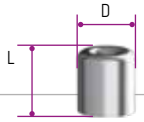
SSR-4710 SSR-4720 SSR-4730 SSR-4740 SSR-4750 SSR-4760

GH	D	#
1	4.1	SSR-4710
2		SSR-4720
3		SSR-4730
4		SSR-4740
5		SSR-4750
6		SSR-4760

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

OMNI Healing Cap Includes prosthetic screw SSR-50.52



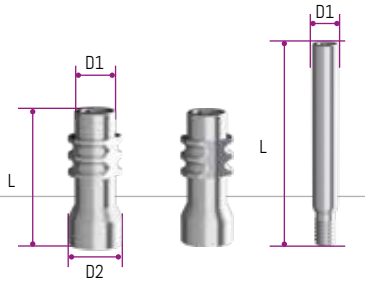
SSR-CAP

L	D
4.35	4

TIGHTENING: with torque ratchet 15 Ncm

Material: Titanium grade 5

OMNI open tray impression post Includes screw SSR-7012



L	D1	D2	#
10.5	3.1	4.12	SSR-7011NR SSR-7011
17.5	2.1	-	SSR-7012

Material: Titanium grade 5

Non rotating = Hexagonal connection; for single crown

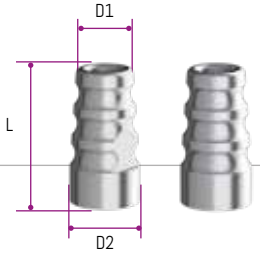
Rotating = Round connection; for bridges

SSR-7011NR non rotating

SSR-7011 rotating

SSR-7012 included

OMNI closed tray impression transfer



L	D1	D2
8	3.32	4.12

Material: Titanium grade 5

Non rotating = Hexagonal connection; for single crown

Rotating = Round connection; for bridges

SSR-POSTNR non rotating

SSR-POST rotating

OMNI titanium abutment Includes screw SSR-50.52

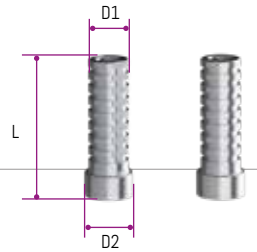
L	D1	D2
12	3.4	4.12

TIGHTENING: with torque ratchet 20 Ncm

Material: Titanium grade 5

Non rotating = Hexagonal connection; for single crown

Rotating = Round connection; for bridges



SSR-4526NR non rotating

SSR-4526 rotating

OMNI castable abutment Includes screw SSR-50.52

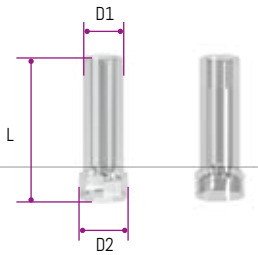
L	D1	D2
12	3.4	4.12

TIGHTENING: with torque ratchet 20 Ncm

Material: Plexiglass

Non rotating = Hexagonal connection; for single crown

Rotating = Round connection; for bridges



SSR-CASTNR non rotating

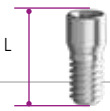
SSR-CAST rotating

OMNI Bridge screw

L
4.9

TIGHTENING: with torque ratchet 20 Ncm

Material: Titanium grade 5

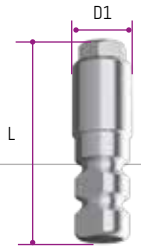


SSR-50.52

OMNI Analog

L	D
13.8	4.1

Material: Titanium grade 5



SSR-AN

OMNI CAD-CAM Components

Scanbody for OMNI

Available for EXOCAD, 3SHAPE and DENTALWINGS - Includes prosthetic screw SSR-50.52

L	D
7	4.12

TIGHTENING: with torque ratchet 15 Ncm

Material: PEEK

SSR-SCAN

OMNI Ti-base

Available for EXOCAD, 3SHAPE and DENTALWINGS - Includes prosthetic screw SSR-50.52

L	D
8	4.1

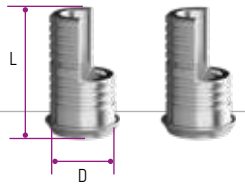
Material: Titanium grade 5

TIGHTENING: with torque ratchet 20 Ncm

Note: You can modify the Ti-base and use it as a short and long base. For Angled screw channel, you must always use the short base. For Angled screw channel use the screw SSR-ASCSCREW

Non rotating = Hexagonal connection; for single crown

Rotating = Round connection; for bridges



SSR-4526SNR non rotating

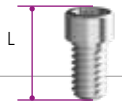
SSR-4526S rotating

OMNI screw for angulated abutment

L
4.6

TIGHTENING: with torque ratchet 20 Ncm

Material: Titanium grade 5



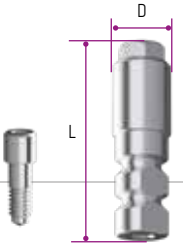
SSR-ASCSCREW

OMNI Digital Analog

Available for EXOCAD, 3SHAPE and DENTALWINGS - Includes screw DG-SCREW

L	D
13.8	4.1

Material: Titanium grade 5



DG-SCREW included

SSR-DGAN

Hexalobular latch driver medium

For OMNI, MUA and Flat angled screws

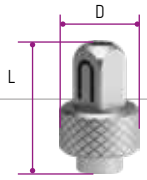
Material: Titanium grade 5

HEXA-M

Finger/Ratchet adapter for latch drivers

L	D
8.61	8

Material: Stainless steel



CT-E7003

O-ball, MUA and SSR abutments driver

L	D1	D2
19.3	7.9	4.8

Material: Stainless steel

BL-0600

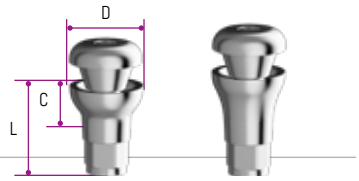
One Time System

Titanium healing abutment

L	D	C \ Fixture	#
5.5	4.5	2	EL-ONE TIME GS2
6.5		3	EL-ONE TIME GS3

TIGHTENING: with torque ratchet 10 Ncm

Material: Titanium grade 5



EL-ONETIME GS2 h2 EL-ONETIME GS3 h3

ONE TIME Cover screw

Material: Titanium grade 5

EL-ONETIME-CS

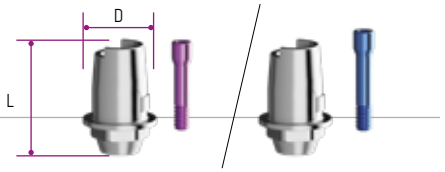
Titanium Base Includes prosthetic screw

L	D
6.75	4.5

TIGHTENING: with torque ratchet 25 Ncm

Note: The height of the base does not change, only the height of the screw varies

Material: Titanium grade 5



EL-ONETIME-BASE2 must be used with EL-ONETIME GS2

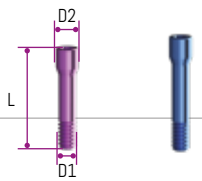
EL-ONETIME-BASE3 must be used with EL-ONETIME GS3

Internal prosthetic screws

L	D1	D2	#
10.4	1.7	2.25	EL-ONETIME-S2
11.4	1.7	2.25	EL-ONETIME-S3

TIGHTENING: with torque ratchet 25 Ncm

Material: Titanium grade 5

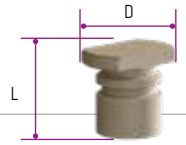


EL-ONETIME-S2 EL-ONETIME-S3

Transfer cap

L	D
6.5	8

Material: PEEK

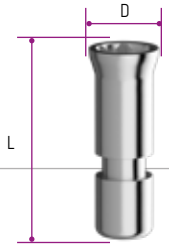


EL-ONETIME-CAP

Laboratory analog

L	D
12.5	4.5

Material: Titanium grade 5



EL-ONETIME-LAB

Holder

EL-ONETIME-HOLDER

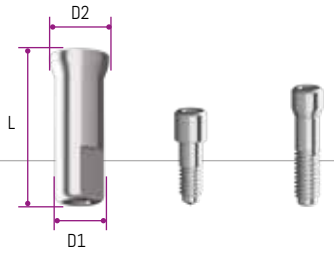
ONE TIME Digital Analog

Available for EXOCAD, 3SHAPE and DENTALWINGS -
Includes screws: DG-SCREW and BL-5052MUA

L	D1	D2
11.5	3.7	4.5

TIGHTENING: Bridge screw torque 20 Ncm

Material: Titanium grade 5



EL-ONETIME-DG

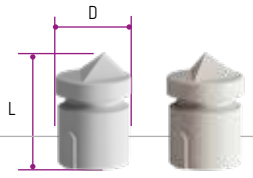
DG-SCREW
included

BL-5052MUA
included

ONE TIME Scan cap for CEREC® bases

L	D
6.55	4.8

Material: Plastic



BL-6047/1
for Omnicam

BL-6047/2
for Bluecam

Step 1

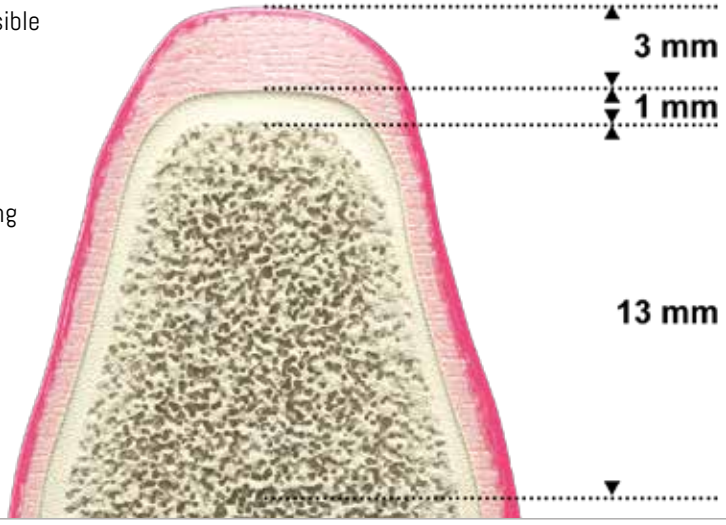
Measure + Calculate

The aim of the concept is to maintain the thickest possible gingiva. A height of 3 mm is considered to be ideal. The implant should be placed 1 mm subcrestally.

That is why the overall depth is also determined by the gingiva. It follows that the tissue punching offers advantages in the concept. This can easily be done using guided surgery.

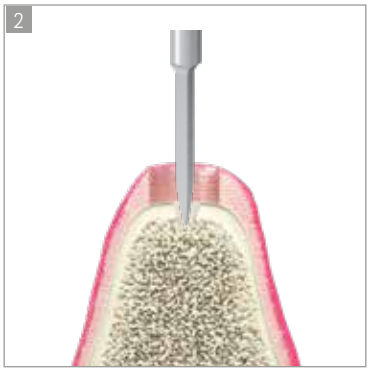
Deep implant + desired gingival height

e.g. 13 mm implant length = 17 mm
Measured from the gingiva.



Step 2

Implantation



Instead of raising a flap, in most cases the surgical procedure will be initiated by using a tissue punch to create a mucotomy. (Pic 1)

After inserting the implant, the ONE TIME concept is used immediately, so that the wound does not have to be completely sutured. (Pic 5)

Step 3

ONE TIME - Cover screw

The gingival sleeve is placed in the implant and fastened with the cover screw. The final position of the cover screw is slightly below the level of the gingiva.

The cover screw is tightened to 25 Ncm, then loosened again and then tightened to 15 Ncm.

Explanation There is a Morse taper connection between the implant and the abutment. Therefore, the cover screw must be tightened to the final position so that the gingival sleeve can be placed into the final position.

Healing phase

3

During the healing phase, the gingiva forms around the healing screw, bonding tightly.

Step 4 (post-healing)

Prosthetics

1

After complete healing, the cover screw is removed. No anesthesia is required for the impression.

2

After the gingiva has completely healed and the implant has osseointegrated, the cover screw is removed, the titanium base is placed on the gingival sleeve and tightened to 25 Ncm.

Recall should be done and checked and, if necessary, the internal screws should be re-tightened to 25 Ncm.

Digital/Conventional Impression

Digital Impression

Conventional Impression

The impression can be taken digitally or conventionally with a closed tray.

Surgical Kit

EL-SUR.KIT.01

Locator drill
CT-2020

Pilot drill
CT-1720E

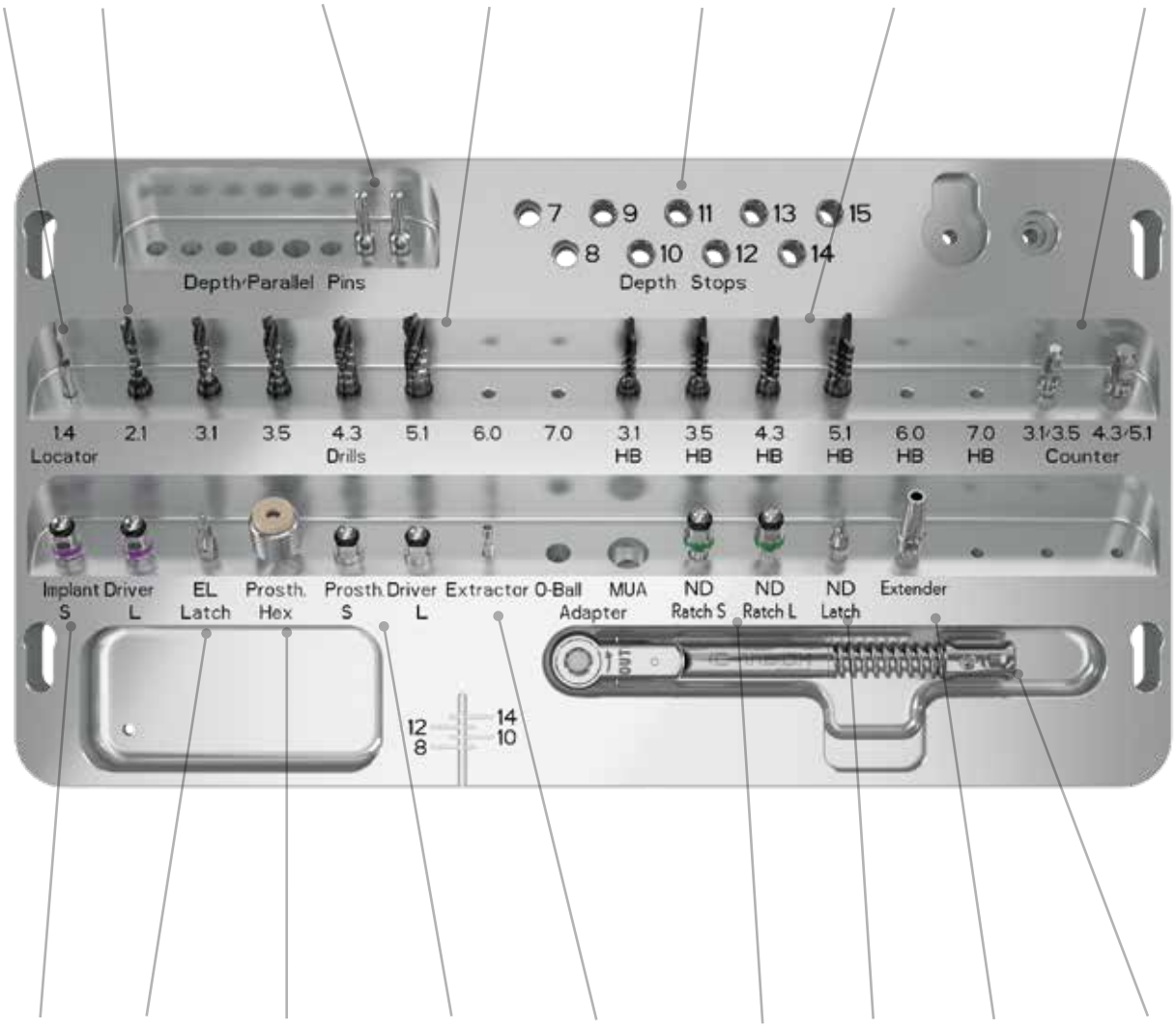
Paralleling pins
CT-9003

Main drills
ND-1726 / CT-1735E
CT-1743E / CT-1751E

Depth stops
CT-STOP07 / CT-STOP03 / CT-STOP08
CT-STOP12 / CT-STOP09 / CT-STOP14
CT-STOP10

EL hard bone drills
ND-1731N / EL-1735N
EL-1743N / EL-1751N

Counterbore
EL-3138 / EL-4351



EL/BL implant ratchet
BL-E7001
BL-E7001L

Implant latch
BL-E9040

Hex driver
CT-9025S

Prosthetic ratchet
CT-8051
CT-8052

Extractor
BL-6060

ND implant ratchet
ND-E7001
ND-E7001L

ND Implant latch
ND-E9040

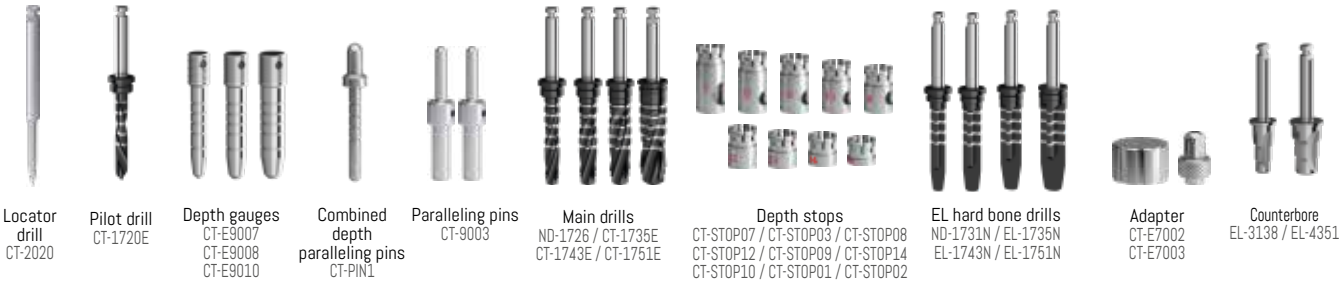
Drill extender
CT-2000

Torque wrench
CT-8010

Elements not included in the kit can be purchased separately.

Metal Kit

METALKIT03



Locator drill
CT-2020

Pilot drill
CT-1720E

Depth gauges
CT-E9007
CT-E9008
CT-E9010

Combined depth paralleling pins
CT-PIN1

Paralleling pins
CT-9003

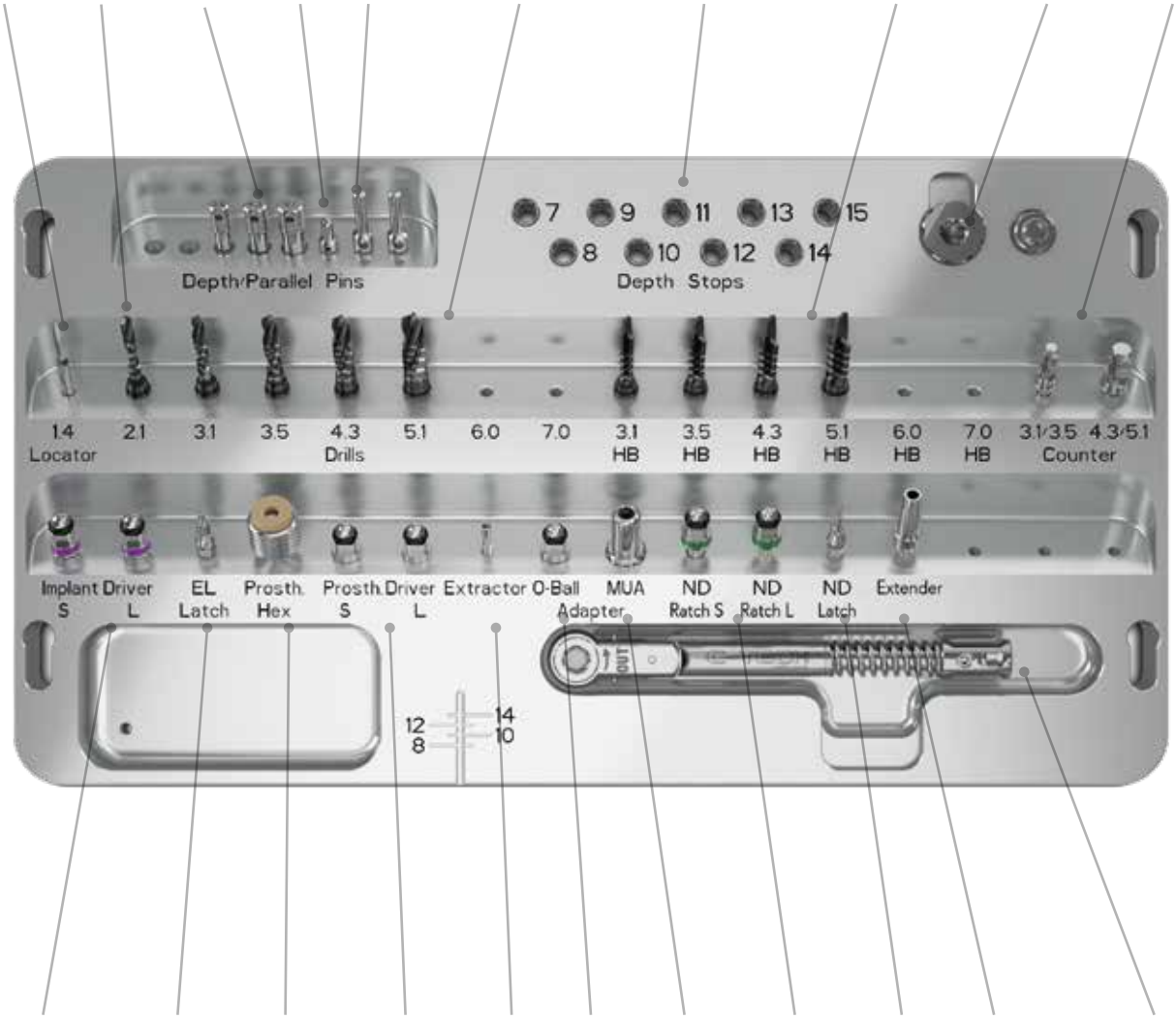
Main drills
ND-1726 / CT-1735E
CT-1743E / CT-1751E

Depth stops
CT-STOP07 / CT-STOP03 / CT-STOP08
CT-STOP12 / CT-STOP09 / CT-STOP14
CT-STOP10 / CT-STOP01 / CT-STOP02

EL hard bone drills
ND-1731N / EL-1735N
EL-1743N / EL-1751N

Adapter
CT-E7002
CT-E7003

Counterbore
EL-3138 / EL-4351



EL/BL implant ratchet
BL-E7001
BL-E7001L

Implant latch
BL-E9040

Hex driver
CT-9025S

Prosthetic ratchet
CT-8051
CT-8052

Extractor
BL-6060

ND O-ball driver
MC-3003M

EL MUA and O-ball driver
BL-0600

ND implant ratchet
ND-E7001
ND-E7001L

ND Implant latch
ND-E9040

Drill extender
CT-2000

Torque wrench
CT-8010

The Drills CT-1760E, CT-1770E, EL-1760N and EL-1770N are not included in the kit but can be purchased separately.

EL Prosthetic Kit

PRSKIT01

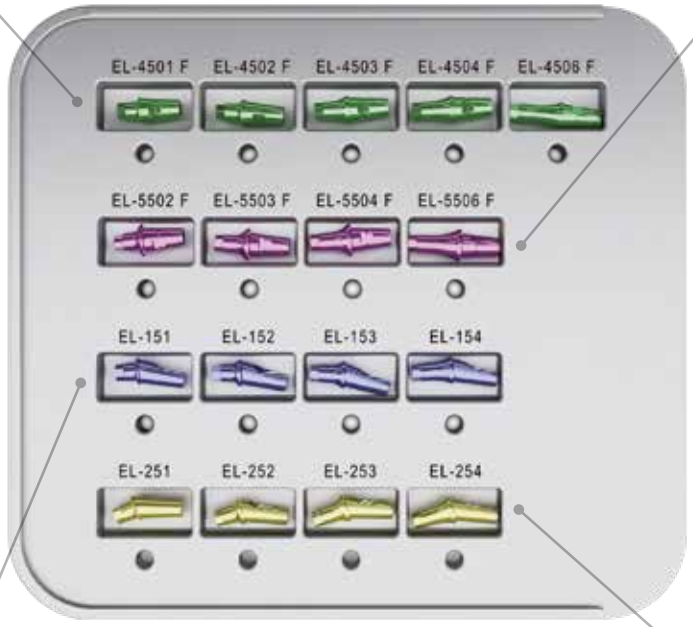
*Prosthetic parts are not included in the kit

EL Planning Kit

PLANKIT01

ø 4.5 straight planning abutments
EL-401 / EL-402
EL-403 / EL-404 / EL-406

ø 5.5 straight planning abutments
EL-502 / EL-503
EL-504 / EL-506



15° angled planning abutments
EL-1501 / EL-1502
EL-1503 / EL-1504

25° angled planning abutments
EL-2501 / EL-2502
EL-2503 / EL-2504

Drill Stop Kit

STOPKIT00: Emtpy/No Contents

STOPKIT01 Contents

Stop L.6 - CT-STOP06
Stop L.7 - CT-STOP02
Stop L.8 - CT-STOP01
Stop L.9 - CT-STOP07
Stop L.10 - CT-STOP03
Stop L.11 - CT-STOP08
Stop L.12 - CT-STOP12
Stop L.13 - CT-STOP09
Stop L.14 - CT-STOP14
Stop L.15 - CT-STOP10

Healing Screw Organizer

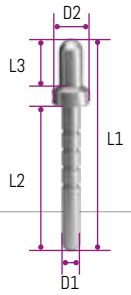
SCREWBOX00: Emtpy/No Contents

Instruments

Combined depth paralleling pins

L1	L2	L3	D1	D2
23.5	16.5	5.5	1.9	2.5

Material: Titanium grade 5

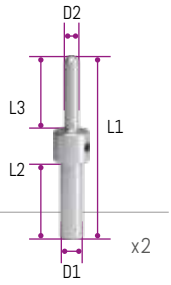


CT-PIN1
1.9 mm
2.5mm

Paralleling pin

L1	L2	L3	D1	D2
24.2	14.2	10.2	2	2.6

Material: Titanium grade 5

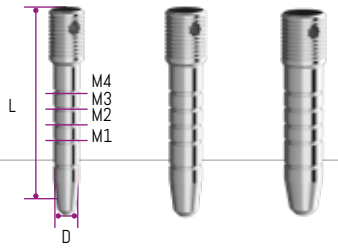


CT-9003
1.6 mm
2.0mm

Depth gauges

L	D	M1	M2	M3	M4	#
18.5	3	7	9	11	13	CT-E9007
	3.8					CT-E9008
	4.6					CT-E9010

Material: Titanium grade 5

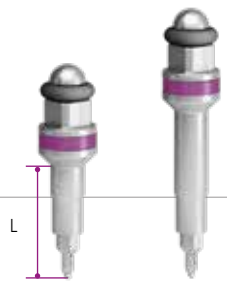


CT-E9007 CT-E9008 CT-E9010

Implant ratchet drivers With retention

L	#
10.8	BL-E7001
17.8	BL-E7001L

Material: Stainless steel

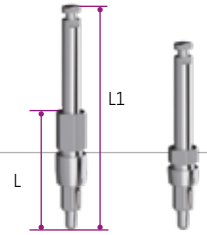


BL-E7001 BL-E7001L

Implant latch With retention

L	L1	#
16	30	BL-E9040L
11.8	25.15	BL-E9040

Material: Stainless steel

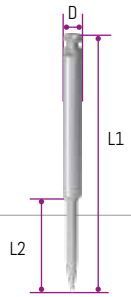


BL-E9040L BL-E9040

Locator drill

L1	L2	D
29	15	1.6

Material: Stainless steel

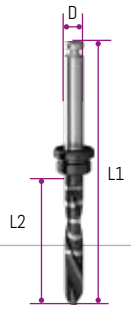


CT-2020

Pilot drill

L1	L2	D
35.2	17.2	2.1

Material: Stainless steel



CT-1720E

Drill extender

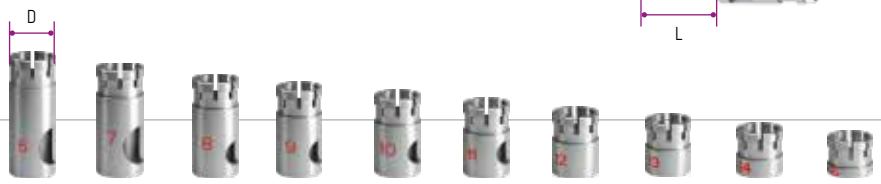
L
29.3

Note: This item is intended as a drill extender and will not support more than 40Ncm. It is not intended as an implant driver extension.

Material: Stainless steel

CT-2000

Stops



L*	D	#
6.4	5.2	CT-STOP06
7.4		CT-STOP02
8.4		CT-STOP01
9.4		CT-STOP07
10.4		CT-STOP03
11.4		CT-STOP08
12.4		CT-STOP12
13.4		CT-STOP09
14.4		CT-STOP14
15.4		CT-STOP10

CT-STOP06 Stop L.6 | CT-STOP02 Stop L.7 | CT-STOP01 Stop L.8 | CT-STOP07 Stop L.9 | CT-STOP03 Stop L.10 | CT-STOP08 Stop L.11 | CT-STOP12 Stop L.12 | CT-STOP09 Stop L.13 | CT-STOP14 Stop L.14 | CT-STOP10 Stop L.15

Intended use: Main drills diameter 2.1 mm, 3.5 mm, 4.3 mm.

Material: Titanium grade 5

Stops XL

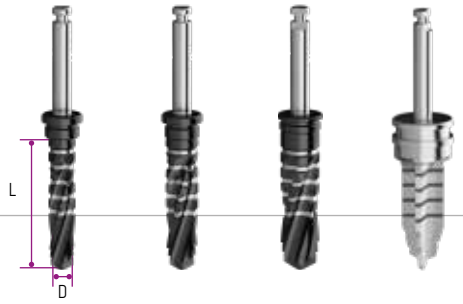
L*	D	#
7.4	8.3	XLSTOP-07
8.4		XLSTOP-08
10.4		XLSTOP-10
12.4		XLSTOP-12

XLSTOP-07 Tope L.07 | XLSTOP-08 Tope L.08 | XLSTOP-10 Tope L.10 | XLSTOP-12 Tope L.12

Intended use: Main drills diameters 6 mm and 7 mm.

Material: Titanium grade 5

Main drills

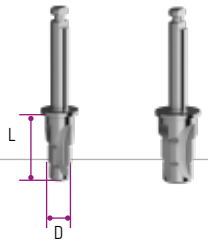


L	D \ Fixture	#
19.2	3.3	CT-1735E
	4	CT-1743E
	4.8	CT-1751E
17	6.0	CT-1760E
	6.5	CT-1770E

CT-1735E | CT-1743E | CT-1751E | CT-1760E

Material: Stainless steel

Counterbore



L	D \ Fixture	#
27.5	3.1	EL-3138
	4.3	EL-4351

EL-3138 | EL-4351

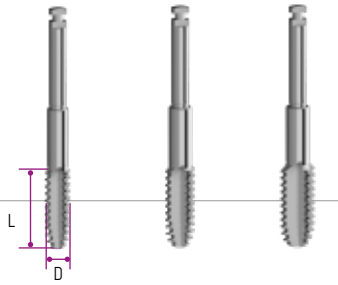
Material: Titanium grade 5

*Note: to place a 1 mm subcrestal implant, it is recommended to use the stop following the real length of the implant.
E.g. for a 9 mm long implant, use Stop L.10

Bone Taps

L	D \ Fixture	#
12	3.8	EL-TAP38
	4.3	EL-TAP43
	5.1	EL-TAP51

Material: Stainless steel



EL-TAP38 EL-TAP43 EL-TAP51

Hard bone drills

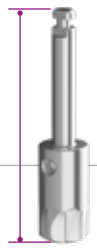
L	D \ Fixture	#
18.66	3.45	EL-1735N
	4.1	EL-1743N
	4.9	EL-1751N
16.7	5.7	EL-1760N
	6.75	EL-1770N

Material: Titanium grade 5

EL-1735N EL-1743N EL-1751N EL-1760N

Bone Profiler Includes EL-PROPIN

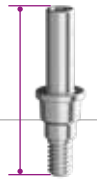
L
24



EL-PRO

Bone Profiler Pin

L
12.25



EL-PROPIN

Prosthetic drivers

Hex drivers

L	#
19.9	CT-9025XS
26	CT-9025S
32	CT-9025

Material: Stainless steel

CT-9025XS CT-9025S CT-9025

Extractor driver

L	#
14.8	EL-6060MS
22.8	EL-6060ML

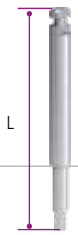
Material: Stainless steel

EL-6060MS EL-6060ML

Prosthetic latch driver

L
26.5

Material: Stainless steel

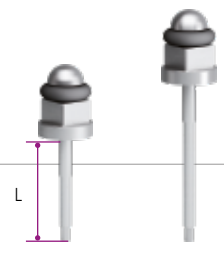


BL-9019

Torque wrench attachments

L	#
12.5	CT-8051
18.5	CT-8052

Material: Stainless steel

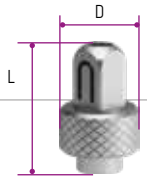


CT-8051 CT-8052

Finger/Ratchet adapter for latch drivers

L	D
8.61	8

Material: Stainless steel



CT-E7003

Hexalobular latch driver medium

For OMNI, MUA and Flat angled screws

Material: Titanium grade 5

HEXA-M

Hexalobular latch driver for Dual Channel

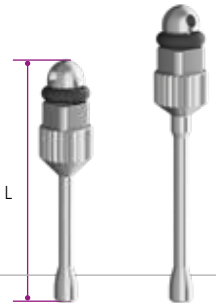
Material: Titanium grade 5

EL-9040D

Hexalobular ratchet driver for Dual Channel

L	#
26	EL-9025D
32	EL-9025LD

Material: Stainless steel

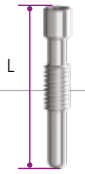


EL-9025D EL-9025LD

Prosthetic extractor

L
14.2

Material: Stainless steel

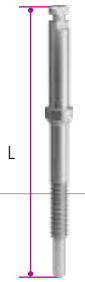


BL-6060

Latch driver prosthetic extractor

L
34.25

Material: Stainless steel

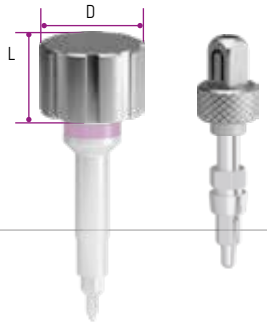


BL-6061

Finger adapter

L	D	#
5.8	12.7	CT-E7002
8.61	8	CT-E7003

Material: Stainless steel



CT-E7002
for ratchet drivers

CT-E7003
for latch drivers

Torque wrench 50Ncm

Material: Stainless steel

CT-8010

ND O-ball driver

L
8

Material: Stainless steel

MC-3003M

Site preparation D2/D3

*Depth: Minimum 1mm deeper than the length of implant to allow for subcrestal seating.
To avoid bone overheating, set the cutting speed between 100 and 750rpm.
Note: an additional 0.4 mm must be added to the lenght of the drill due to the lenght of the cutting tip.

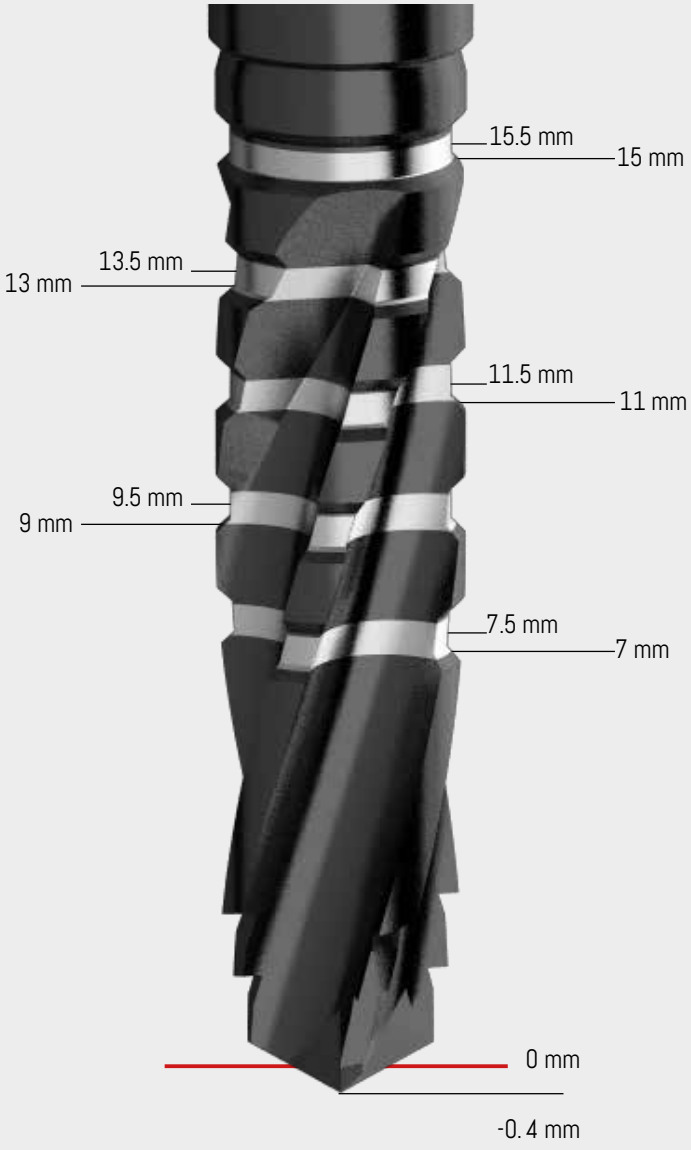
D1 additional steps

* To avoid bone overheating, set the cutting speed between 100 and 750rpm.

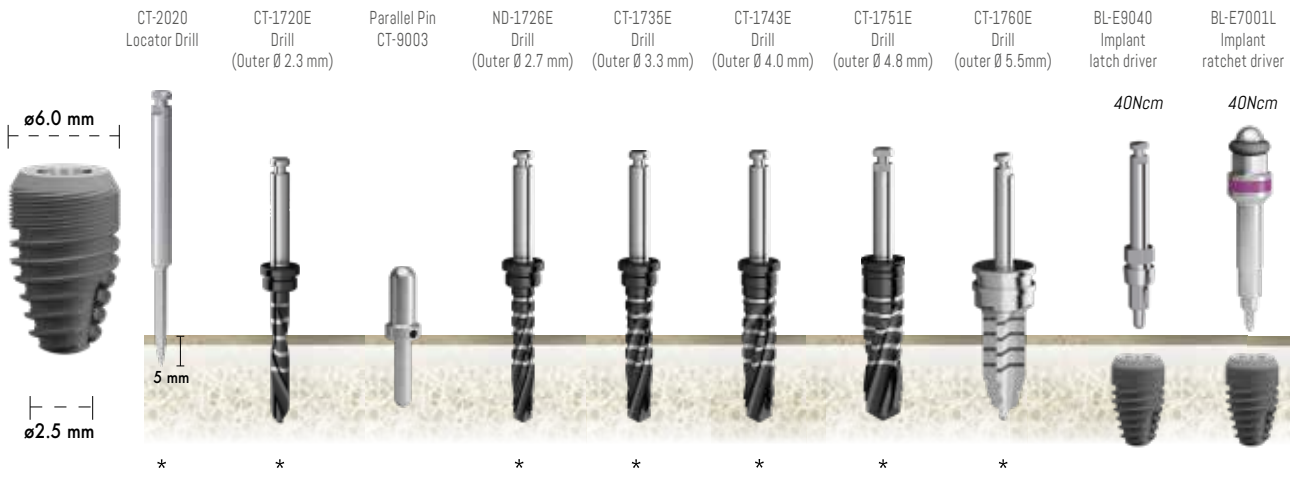
Note: Metal stoppers can not be mounted on ø 5.1 drills

Explanation of Drill Marking

- The drill markings do not include the point of the drill.
- The point of the drill is 0. 4 mm long, thus the drill marking of 7 mm is actually 7. 4 mm from the very tip to the bottom of the black line.
- The implant should be set approximately 1 mm subcrestally, thus for a 13 mm implant, one should drill to the 14 mm. The use of metal stop is recommended.
- The height of the grey drill marking is 1 mm



Site preparation D2/D3



*Depth: Minimum 1mm deeper than the length of implant to allow for subcrestal seating.
To avoid bone overheating, set the cutting speed between 100 and 750rpm.
Note: an additional 0.4 mm must be added to the lenght of the drill due to the lenght of the cutting tip.

D1 additional steps

* *

*

* To avoid bone overheating, set the cutting speed between 100 and 750rpm.

Note: Metal stoppers can not be mounted on ø 5.1 drills

English version

REV. 20 / 03-2024

#**Science**Meets**Passion**

C-TECH
CENTURY IMPLANT TECHNOLOGIES

Via Cesare Battisti n. 2 - 40123, Bologna - ITALY
Tel. +39 051 6661817 - info@c-tech-implant.com
www.c-tech-implant.com

Go to
c-tech-implant.com

Download
Last updated version
of this catalogue

@CTechImplant
@c-tech-implant
@ctech.implant
@CTechimplant