EL

ESTHETIC LINE
implant

C-TECH
IMPLANT

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EL - ESTHETIC LINE IMPLANT


EC-CERTIFICATE


CERTIFICATE

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 13485:2003/AC:207 and 93/42/EEC relative to medical devices.

C-TECH IMPLANT

PRECISION DENTAL SOLUTIONS

C-Tech Implant is a dynamic company with aggressive growth, producing components and product lines primarily for dental implantology.

INTERNATIONAL PRESENCE

With production and management based in Italy, C-Tech Implant is active in all major world markets and is distributed in over 20 countries.

SCIENTIFIC RESEARCH, ADVANCED TECHNOLOGY, SIMPLIFICATION

C-Tech Implant differentiates itself with attention to research and the application of high technology to its products, all while maintaining a simplicity of insertion and ease of use.

C-Tech Implant incorporates the latest trends in implantology but provides very practical surgical and prosthetic solutions aimed at offering the practitioner and the patient optimal results.

HIGH QUALITY STANDARDS KEPT WITHIN REACH

C-Tech Implant products are made to the highest standards governing the manufacturing and management of European medical and dental components.
Up to date audits and certification assure that these standards are vigilantly maintained.

TRAINING & ADVICE

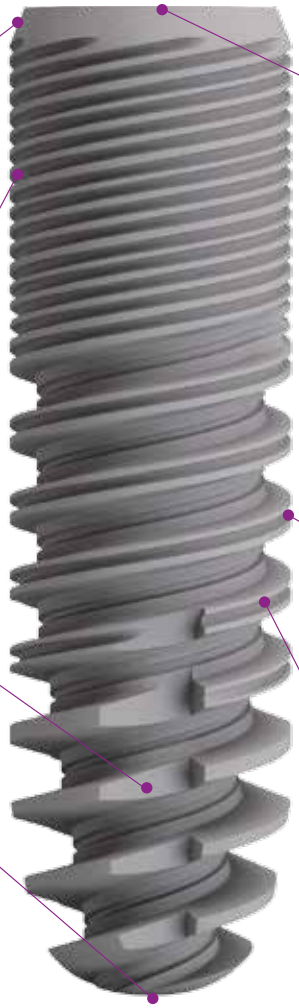
Dental professionals are assisted by the rich knowledge and experience of C-Tech Implant personnel and through C-Tech courses and training sessions.
During these courses the professional is able to learn the latest methods of implant placement and reconstruction.

MISSION STATEMENT

The goal of C-Tech Implant is to provide the highest level of quality for technologically advanced products at reasonable prices in order to allow the dental practitioner to find solutions for the broadest range of patients.

EL

ESTHETIC LINE
implant



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
- Cortical bone maintenance

GRIT BLASTED AND ACID ETCHED SURFACE TOPOGRAPHY
- Best surface for osseo integration and bone to implant contact

AGGRESSIVE APICAL DESIGN
- Ideal for immediate implant placement
- Primary stability

ROUNDED APEX
- Protection of the sinus floor, nerve canal and other important anatomical structures during insertion

BONE LEVEL IMPLANT 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 depth of the implant
- Enhanced surface
- Round but cutting apex design

DOUBLE LEAD THREAD
- Insertion rate of 1,5mm per rotation
- 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
- Facilitation of the papilla reconstruction-technique

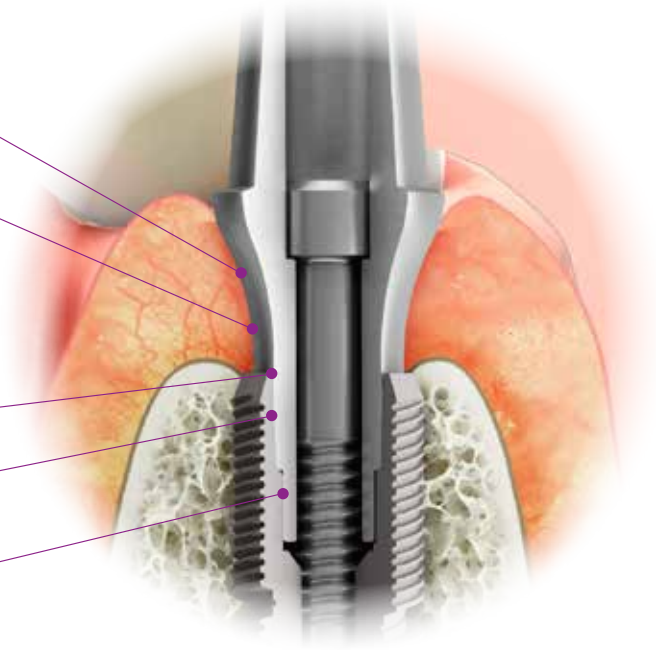
PLATFORM SWITCHING
- Reduces bone loss
- Better representation of the biological width
- Long term esthetic stability

ONE CONNECTION FOR ALL 3 DIAMETERS
- Simplifies the system
- Reduces inventory
- Ease of use

COLD WELD SEAL
- Hinders bacterial infiltration and consequent bone loss

MORSE LOCKING CONICAL CONNECTION
- Elimination of micro-movements
- Elimination of screw loosenings

INDEXING HEX
- Antirotational security



DENTAL IMPLANT

9 mm	**EL-3509**	**EL-4309**	**EL-5109**
11 mm	**EL-3511**	**EL-4311**	**EL-5111**
13 mm	**EL-3513**	**EL-4313**	**EL-5113**
15 mm	**EL-3515**	**EL-4315**	**EL-5115**

EL - SHORT IMPLANTS

7 mm	**EL-4307**	**EL-5107**

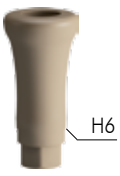
EL CEC PEEK HEALING ABUTMENTS Ø4

INCLUDES SCREW

EL-4502H

EL-4503H

EL-4504H*



EL-4506H*

EL CEC PEEK HEALING ABUTMENTS Ø5

INCLUDES SCREW

EL-5502H

EL-5503H

EL-5504H*

EL-5506H*

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

CLOSED TRAY IMPRESSION TRANSFER

BL-4546
Peek Impression Cap

EL-4502P EL-5502P
EL-4503P EL-5503P
EL-4504P* EL-5504P*
EL-4506P* EL-5506P*

EL PEEK abutments together with the snap on BL-4546 cap function as impression transfers

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

EL Titanium Abutments together with the snap on BL-4546 cap function as impression transfers

BL-5143
Analog

BL-5052HX
Short Screw
EL-5052HXL
Long Screw

* Uses long screw EL-5052HXL

INTENDED USE

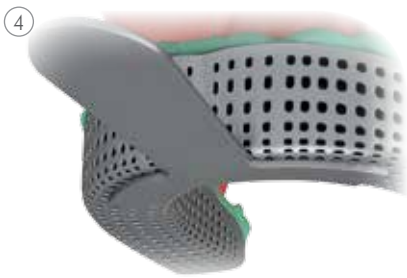
Closed tray impression technique.

CHARACTERISTICS

- Simple;
- Slender emergence profile to accommodate space limitations;
- No additional preparation (i.e. perforation) of tray required;
- 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

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 guide screw.

STEP 2
Push the impression cap at 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. BL-5052HX - EL-5052HXL).

STEP 6
Reposition the impression transfer in the tray.
Push the impression transfer until you feel the complete engagement firmly seated on the impression cap.

OPEN TRAY IMPRESSION TRANSFER

EL-4544
Open tray Impression post includes the BL-5050L guide screw

BL-5143
Analog

BL-5050L
Guide screw for open tray impression post

BL-5050S
Short guide screw for open tray impression post

INTENDED USE

Open tray impression technique.

CHARACTERISTICS

- Simple;
- Slender emergence profile accommodates space limitations;
- Guide screw can be tightened either by hand or with the SCS screwdriver;
- 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.

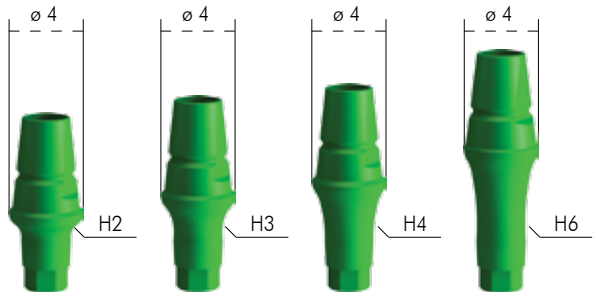
STEP 3
Take the impression using an elastomeric impression material (polyvinyl siloxane or polyether rubber).

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

TECHNICAL PLANNING ABUTMENTS

Ø 4 STRAIGHT PLANNING ABUTMENTS

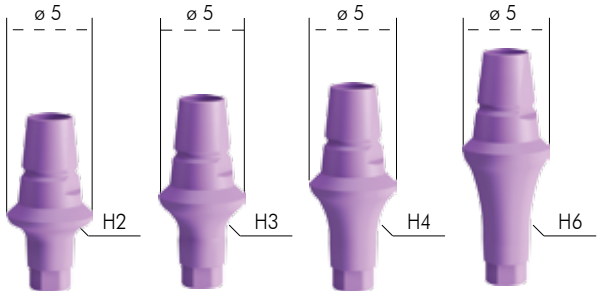
INCLUDES SCREW



EL-402 EL-403 EL-404 EL-406

Ø 5 STRAIGHT PLANNING ABUTMENTS

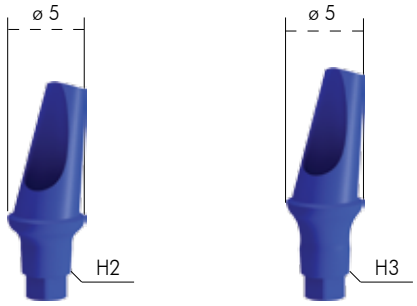
INCLUDES SCREW



EL-502 EL-503 EL-504 EL-506

18° ANGLED PLANNING ABUTMENTS

INCLUDES SCREW



EL-1802 EL-1803

INTENDED USE

Intra & extra-oral planning of prosthetic restoration.

CHARACTERISTICS

- Simple;
- 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 polymer material.

NOTE

Be sure to clean and sterilize the planning abutments following intra-oral use. Do not sterilize the PLANNING abutment cassette.

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.

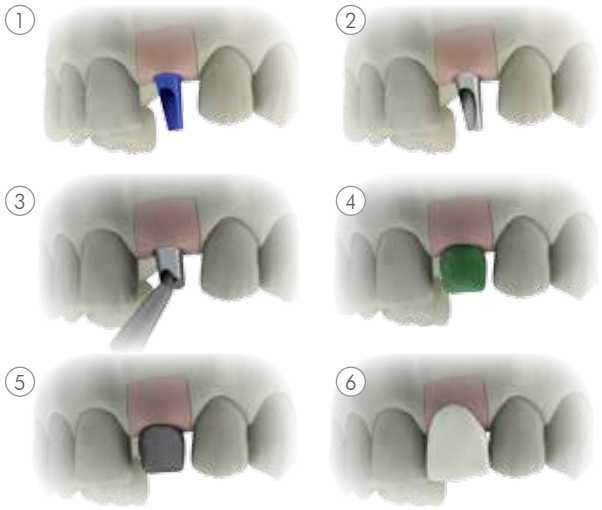
STEP 2
Place the titanium abutment and hand-tighten the screw.

STEP 3
Prepare the titanium abutment, modify 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.

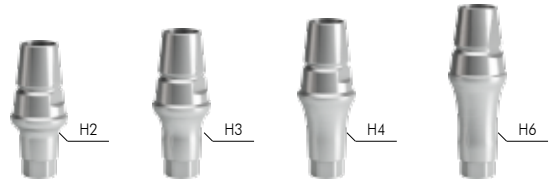
STEP 6 - Veneer the superstructure.



TITANIUM ABUTMENTS

EL CEC TITANIUM Ø4 ABUTMENTS

INCLUDES SCREW



EL-4502F EL-4503F EL-4504F* EL-4506F*

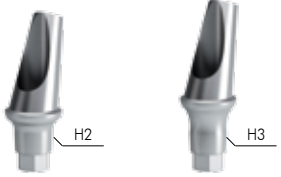
EL CEC TITANIUM Ø5 ABUTMENTS

INCLUDES SCREW

EL-5502F EL-5503F EL-5504F* EL-5506F*

EL CEC 18°ANGLED ABUTMENTS

INCLUDES SCREW



EL-4518/2 EL-4518/3

EL SCAN ABUTMENT

EL-SCAN
Compatible with EXOCAD, 3SHAPE and DENTALWINGS

TITANIUM/ZIRCONIUM BASE

BL-6046
Complete set includes titanium base and prosthetic screw

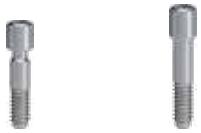
TITANIUM CASTABLE ABUTMENT

BL-6045
Complete set includes titanium base, casting cylinder and screw

TITANIUM CEREC® BASE

BL-6047
Complete set includes titanium cerec® base and prosthetic screw

INTERNAL PROSTHETIC SCREWS



BL-5052HX
Standard prosthetic screw

EL-5052HXL
Long prosthetic screw for H4 - H6

*Uses the long screw EL-5052HXL

INTENDED USE

Cement-retained restorations.

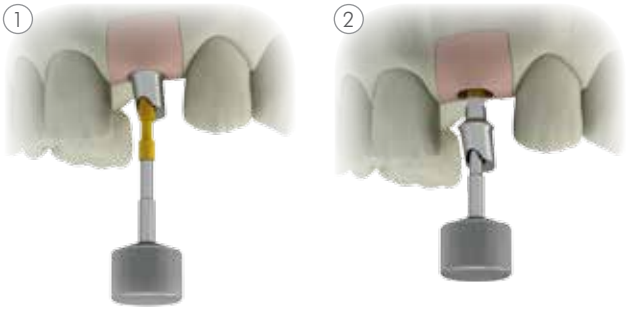
TIGHTENING:
with torque ratchet 30 N=Ncm

CHARACTERISTICS

- Simple;
- Less grinding necessary due to prepared mucosa margins;
- Adaptation to natural soft tissue contour due to prepared mucosa margins in different heights (H2, H3, H4, H6);
- Reliable;
- Tapered connection (pure cone). Abutment and implant are linked so as to form a one-piece 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.



ABUTMENT EXTRACTOR SCREW

As the ABUTMENT EXTRACTOR SCREW is driven in, it will push the abutment out of the analog or implant.

CT-E7003
Finger/Ratchet adapter for latch drivers

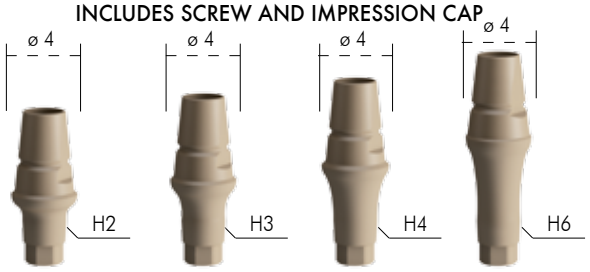
BL-6060
Prosthetic extractor

BL-6061
Latch driver prosthetic extractor

TEMPORARY ABUTMENTS

EL CEC PEEK Ø 4 ABUTMENTS

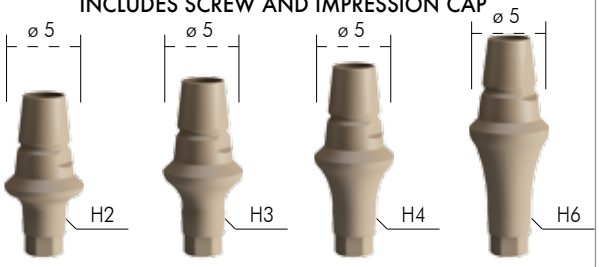
INCLUDES SCREW AND IMPRESSION CAP



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

EL CEC PEEK Ø 5 ABUTMENTS

INCLUDES SCREW AND IMPRESSION CAP



EL-5502P | EL-5503P | EL-5504P* | EL-5506P*

*Uses the long screw EL-5052HXL

NOTE
Together with the BL-4546 Impression Cap, the EL temporary PEEK abutments can be used as closed tray impression transfers.

BL-4546
Peek Impression Cap

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

EL-4543
Peek Temp-Cap

ZIRCONIUM ABUTMENTS

All zirconium abutment packagings include screw.

ZIRCONIUM STRAIGHT ABUTMENTS

BL-4525-Z01 | BL-4525-Z02 | BL-4525-Z03

ZIRCONIUM 15° ANGLED ABUTMENTS

BL-1543-Z01 | BL-1543-Z02 | BL-1543-Z03

ZIRCONIUM 25° ANGLED ABUTMENTS

BL-2545-Z01 | BL-2545-Z02 | BL-2545-Z03

Please Note: prostethic screw for zirconium abutment reference is EL-5052HXL

SCREW-RETAINED RESTORATIONS

BL-7000
Healing Cap Screw

BL-7010
Closed tray transfer

BL-7011
Open tray transfer complete set includes transfer + screw

BL-7012
Transfer Screw

BL-5146
Multi-unit Analog

BL-0600
Straight Multi-unit Driver

BL-4526
Temporary Titanium Abutment include bridge screw

BL-5647
Castable Abutment include bridge screw

BL-6051
Bridge screw

BL-7013
Metal holder

STRAIGHT ABUTMENTS

BL-4750/1 **BL-4750/2** **BL-4750/3**

17° ANGLED ABUTMENTS

BL-1750/1
Complete set

BL-1750/2
Complete set

30° ANGLED ABUTMENTS

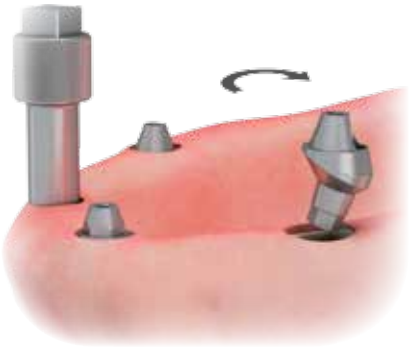
BL-3050/1
Complete set

BL-3050/2
Complete set

COMPLETE SET INCLUDES:

1. Multi-unit angled abutment
2. Prosthetics Screw

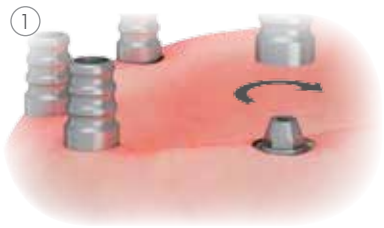
CLOSED TRAY TECHNIQUE

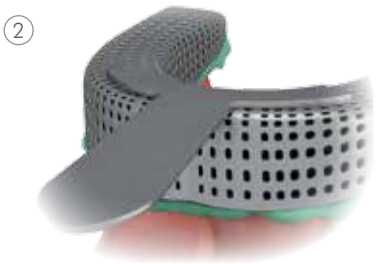


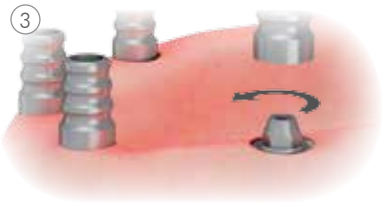
STEP 1
Remove the healing abutments.

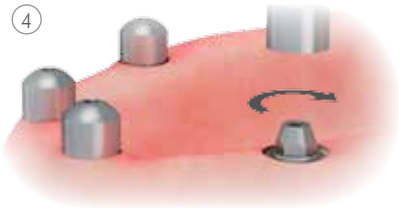
STEP 2
Screw the straight abutment into the implant using the torque ratchet (30 Ncm) and the Multi-unit Driver.

SURGICAL PROCEDURE









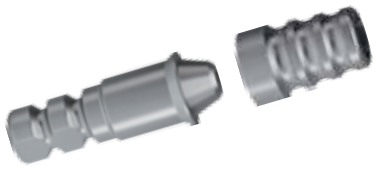
STEP 1
Screw each closed tray transfer onto the protruding abutments.

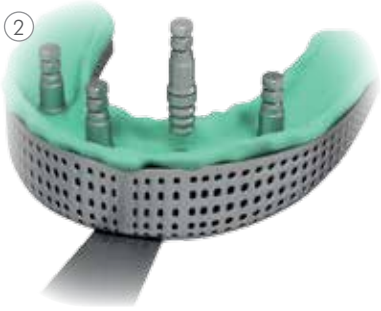
STEP 2
Take the impression using an elastomeric impression material (polyvinyl siloxan or polyether rubber).

STEP 3
Remove the closed tray transfer from the abutment.

STEP 4
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



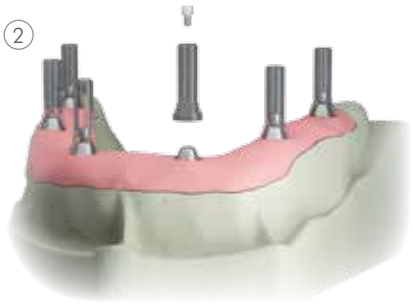


STEP 1
Screw the closed tray transfer onto the analog.

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

STEP 3
Master model.

SCREW RETAINED RESTORATION



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.

STEP 3
Shorten the cylinders down to the height of the occlusal plane.

STEP 4
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.

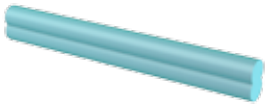
STEP 5
Prepare the wax-up for investing and casting procedures.

STEP 6
Attach the resulting framework to the models and create final prosthesis.

STEP 7
Passively fit the resulting prosthesis onto the abutments.

BAR

BL-5146
Multi-unit Analog



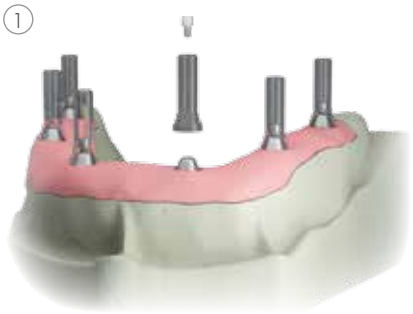
0220BB
OT-Bar (2 pcs.)

027CRR
Clip pink: soft (4 pcs.)

027CRG
Clip yellow: medium (4 pcs.)

BL-5647
Castable Abutment includes screw

BL-6051
Bridge screw

① 

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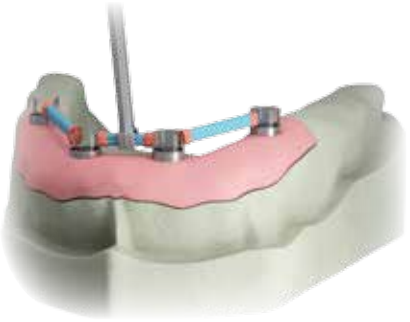
③ 

④ 

STEP 1
Place the castable Multi-unit abutments on the analogs and tighten the Multi-unit internal screws.

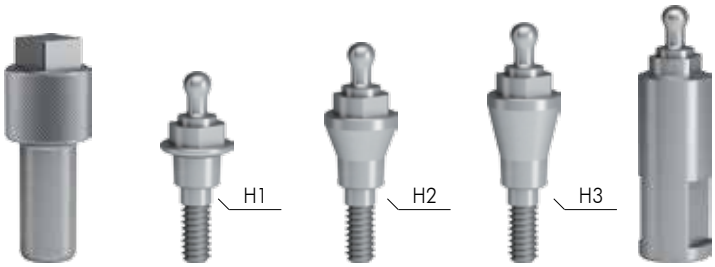
STEP 2
Make height adaptations according to the individual situation.

STEP 3
Use a residue-free burn-out plastic to fix the bar segments to the castable abutments.

STEP 4
The yellow clips (027CRG) are fixed into the prosthesis.

O-BALL ATTACHMENT SYSTEM

O-ball
Abutment Driver



BL-0600

BL-5641
Complete set

BL-5642
Complete set

BL-5643
Complete set

BL-5144
O-Ball Analog

INTENDED USE

Removable dentures retained by implants in the mandible and maxilla.

CHARACTERISTICS

- Simple;
- The clinical process for the ball attachment is quick and easy;
- Functional;
- The O-ring attachment is designed to virtually eliminate wear on the Ball Abutment and minimize the need for maintenance;
- 3 different gingival heights;
- 3 different O-ring resistances offering optimal retention for every individual situation.

RELIABLE

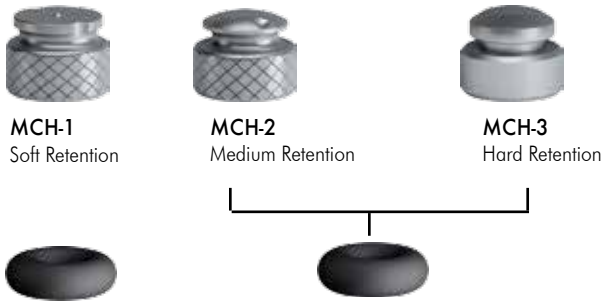
Dual retention for optimal abutment-denture connection. Excellent long-term performance due to wear resistant components.

STEP 1
Screw the spherical abutment into the implant using the torque ratchet (30 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.

METAL HOUSING



MCH-1
Soft Retention

MCH-2
Medium Retention

MCH-3
Hard Retention

MC-3005B
O-ring (5 pieces)

MC-3005
O-ring (5 pieces)

COMPLETE SET INCLUDES:

1. O-Ring (Ref. MC-3005 , MC-3005B)
   1 piece
2. Metal Housing (Ref. MCH-2)
3. O-Ball Abutment (Ref. 5644, 5642, 5641)

ANCHOR ABUTMENT SYSTEM

CAPS WITH METAL HOUSING

141CAE
2 Stainless steel housings

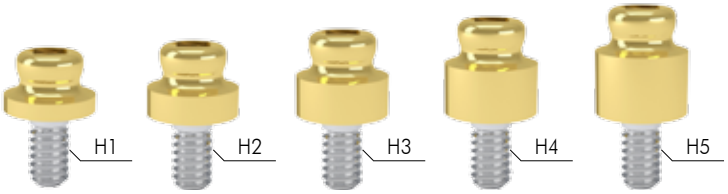
140CEV
4 Retentive caps
violet "strong" (2.7kg)

140CET
4 Retentive caps
white "standard" (1.8kg)

140CER
4 Retentive caps
pink "soft" (1.2kg)

140CEG:
4 Retentive caps
yellow "extra-soft"(0.6kg)

ANCHOR ABUTMENT SYSTEM COMPLETE SET



130BL1 **130BL2** **130BL3** **130BL4** **130BL5**

COMPLETE SET INCLUDES:

1 Anchor abutment
(Ref. 130BL1, 130BL2, 130BL3, 130BL4, 130BL5)
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)

LABORATORY ACCESSORIES

140CEN
4 Processing Caps - black

144MTE
2 Impression Coping

144AE
2 Laboratory Analog

044CAIN
Pull-off Impression Coping

SURGICAL INSTRUMENTS

124ICP
1 Blue plastic "multiuse" insertion tool

185IAC
1 Metal insertion tool for caps

191ECS
1 Metal extractor tool for caps

774CQ
1 OT-Equator square screw driver for implant abutment (square 1,25mm)

760CE
1 Square driver connector for torque

DELUXE SURGICAL KIT

DELUXE SURGICAL KIT INCLUDES:

Locator drill CT-2020
2.0 external irrigation drill (Ø 2.0) CT-1720E
3.5 external irrigation drill (Ø 3.0) CT-1735E
4.3 external irrigation drill (Ø 3.6) CT-1743E
5.1 external irrigation drill (Ø 4.6) CT-1751E
Hard Bone Drill 3.5 mm EL-1735N
Hard Bone Drill 4.3 mm EL-1743N
Hard Bone Drill 5.1 mm EL-1751N
Drill Extender CT-2000
Manual Hex Driver Short CT-9025S
1.25mm Hextool Torque Wrench Attachments CT-8051
1.25mm Hextool Torque Wrench Attachments (Long) CT-8052
Torque Wrench (50 Ncm) CT-8010
Depth Gauge (3.5 mm) CT-E9007
Depth Gauge (4.3 mm) CT-E9008
Depth Gauge (5.1 mm) CT-E9010
Paralleling Pins, qty. 2 (1.6 mm & 2.0 mm) CT-9000
Set metal stopper (L.9/11/13/15) CT-Stop07/08/09/10
Implant Latch Driver BL-E9040
Implant Ratchet Driver Short BL-E7001
Implant Ratchet Driver Long BL-E7001l
Extractor BL-6060
Implant ratchet driver (short) ND-E7001
Implant ratchet driver (LONG) ND-E7001L
3.0 external irrigation drill ND-1726E

REFERENCES:

EL-Sur Kit.01:
Deluxe Surgical Kit for EL Line

SURGICAL KIT COMPONENTS

SURGICAL FACILITATORS

COMBINED DEPTH PARALLELING PINS

CT-PIN1
1.9 MM
2.5 MM

PARALLELING PINS

CT-9000
1.6 mm
2.0mm

DEPTH GAUGES

CT-E9007
3.5mm
ø est.

CT-E9008
4.3mm
ø est.

CT-E9010
5.1mm
ø est.

CT-2000
Drill Extender

PROSTHETICS DRIVER

CT-9025S
Hex drivers

CT-9025
Hex drivers

CT-9019
Handpiece Latch

CT-8051
Torque wrench attachments

CT-8052
Torque wrench attachments

BL-6060
Prosthetic extractor

BL-6061
Latch driver prosthetic extractor

DRILL DEPTH STOPS

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

IMPLANT DRIVERS

(WITH RETENTION)

BL-E7001
Implant ratchet driver

BL-E7001L
Implant ratchet driver

BL-E9040
Implant latch

FINGER ADAPTORS

CT-E7002
Finger adaptor for ratchet drivers

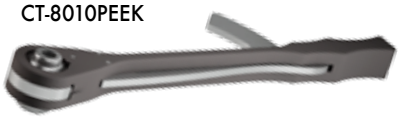
CT-E7003
Finger/ratchet adaptor for latch drivers

TORQUE WRENCH 50Ncm

CT-8010

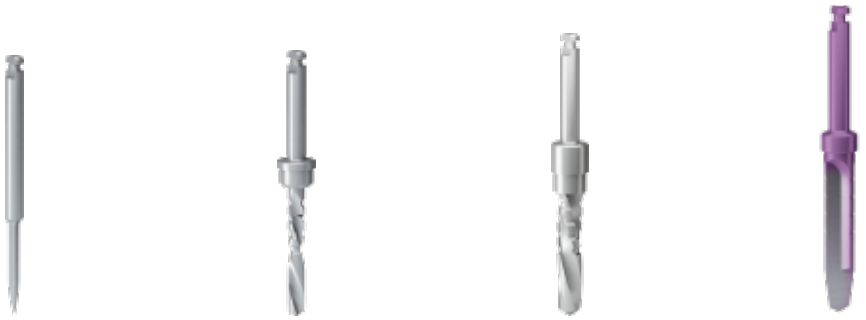
TORQUE WRENCH PEEK

CT-8010PEEK



DRILLS & BONE TAPS

SURGICAL PROCEDURE EL Ø 3.5 IMPLANT



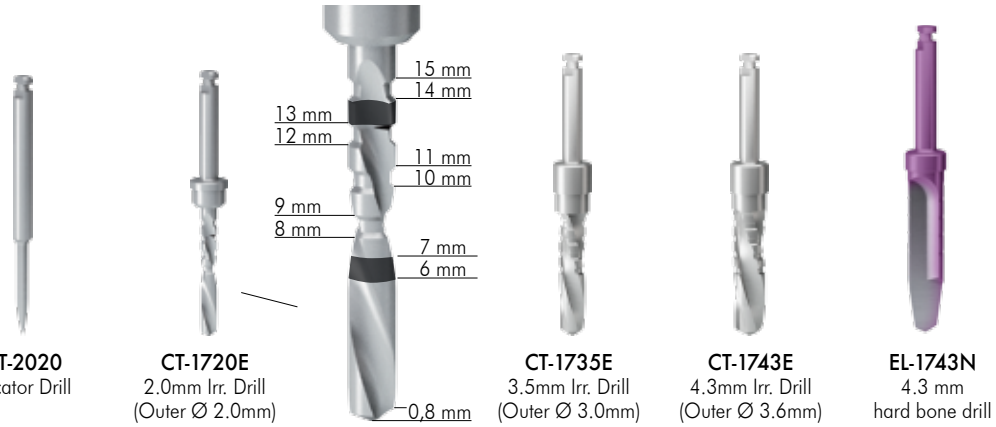
CT-2020
Locator Drill

CT-1720E
2.0mm Irr. Drill
(Outer Ø 2.0mm)

CT-1735E
3.5mm Irr. Drill
(Outer Ø 3.0mm)

EL-1735N
3.5 mm
hard bone drill

SURGICAL PROCEDURE EL Ø 4.3 IMPLANT



CT-2020
Locator Drill

CT-1720E
2.0mm Irr. Drill
(Outer Ø 2.0mm)

CT-1735E
3.5mm Irr. Drill
(Outer Ø 3.0mm)

CT-1743E
4.3mm Irr. Drill
(Outer Ø 3.6mm)

EL-1743N
4.3 mm
hard bone drill

SURGICAL PROCEDURE EL Ø 5.1 IMPLANT

CT-2020
Locator Drill

CT-1720E
2.0mm Irr. Drill
(Outer Ø 2.0mm)

CT-1735E
3.5mm Irr. Drill
(Outer Ø 3.0mm)

CT-1743E
4.3mm Irr. Drill
(Outer Ø 3.6mm)

CT-1751E
5.1mm Irr. Drill
(Outer Ø 4.6mm)

EL-1751N
5.1 mm
hard bone drill

*IMPORTANT:
0.8 mm must be added to the lenght of the drill considering for the angled cutting tip

REV. 02 / 10-2013

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