

BL

BONE LEVEL
implant



C-TECH
IMPLANT

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BL - BONE LEVEL IMPLANT

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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.



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 providing for 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 certifications 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.

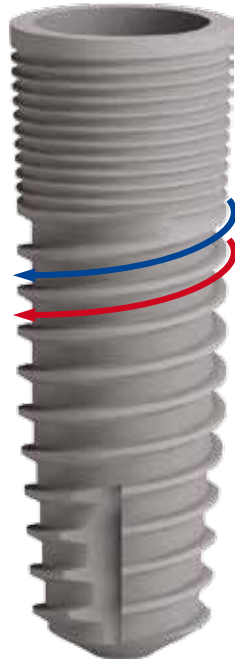
MISSION STATEMENT

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.



BL

BONE
LEVEL
implant



IMPLANT CHARACTERISTICS

TAPERED INTERNAL HEX CONNECTION

The connection on the BL system comprises of two proven elements in implant prosthetics; a tapered connection with a hex at the base. The taper provides a cold welding seal which locks the abutment into its final seated position. The hex at the base of the implant provides an optimal positioning index. The combination of taper and hex deliver a high level of prosthetic precision while ensuring against abutment loosening.

SPEED AND EASE OF USE

The revolutionary threads, unique in their nature, allow for a smoother and faster insertion compared to common implant threads.

This advantage simplifies the work of the oral surgeon and reduces considerably the time of insertion. The thread has a particular 90° degree beveled profile: whose shape, angle and depth are specifically conceived to increase contact surface with the bone.

ROOT FORM ANATOMICAL DESIGN

The innovative macromorphological facility of the BL Implant System, with a variable degree of tapering, more pronounced near the apical region, has been designed to ease the implant's insertion and to achieve a high primary stability.

COLLAR MICRO-GROOVING

The specific micro-architecture of the implant collar increases the primary stability and facilitates the introduction of the implant. It promotes the soft tissue healing process and reduces the risk of the bone resorption at collar level.

INTUITIVE AND EASY TO USE KIT

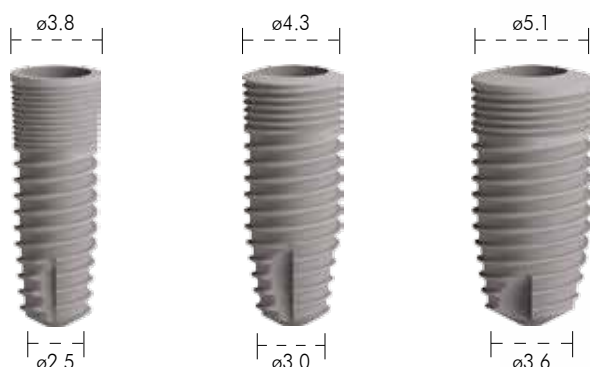
An instrumentation kit which has been kept as simple and efficient as possible.

Predictable and easy to follow instrument protocols for practitioners of all levels.



- 1 - PLATFORM SWITCHING
- 2 - MORSE TAPER CONNECTION
- 3 - INTERNAL HEXAGON

DENTAL IMPLANT



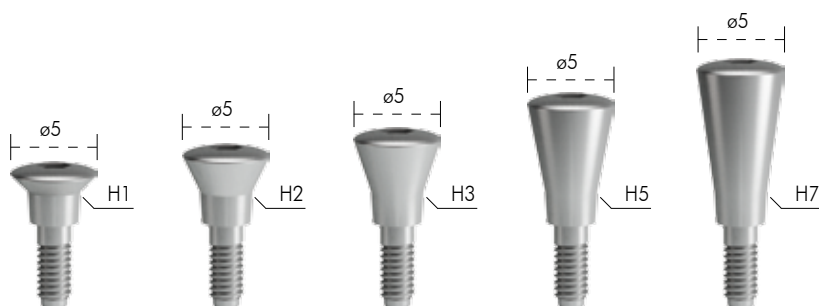
6 mm		BL-4306*	BL-5106*
7 mm	BL-3507	BL-4307	BL-5107
9 mm	BL-3509	BL-4309	BL-5109
11 mm	BL-3511	BL-4311	BL-5111
13 mm	BL-3513	BL-4313	BL-5113
15 mm	BL-3515	BL-4315	BL-5115



***Please Note:** All prosthetic and components of the Bone Level line are compatible with the Bone Level Short implant. Except for the prosthetic screw (BL-5052S)



HEALING ABUTMENTS Ø5



BL-5010

BL-5011

BL-5012

BL-5014

BL-5015



HEALING ABUTMENTS Ø6



BL-6010

BL-6011

BL-6012



CLOSED TRAY IMPRESSION TRANSFER



BL-4543
Peek Impression Cap



BL-4540
Impression Transfer
Closed/tray
includes impression
cap (BL-4543)



BL-4540L
Impression Transfer
Closed/tray/long
includes impression
cap (BL-4543)



BL-5143
Analog



BL-5052HX
Screw

INTENDED USE

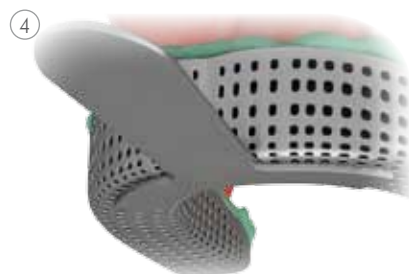
Closed tray impression technique.

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. 5052).

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



BL-4542
Open tray Impression
post includes
BL-5050I



BL-5143
Analog



BL-5050L
Screw for open tray
impression post



BL-5050S
Short 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).

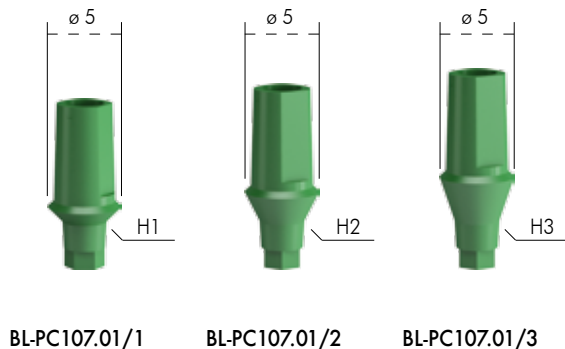
STEP 4

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

TECHNICAL PLANNING ABUTMENTS

Ø 5 STRAIGHT PLANNING ABUTMENTS

INCLUDES SCREW



INTENDED USE

Intra & extra-oral planning of prosthetic restoration.

CHARACTERISTICS

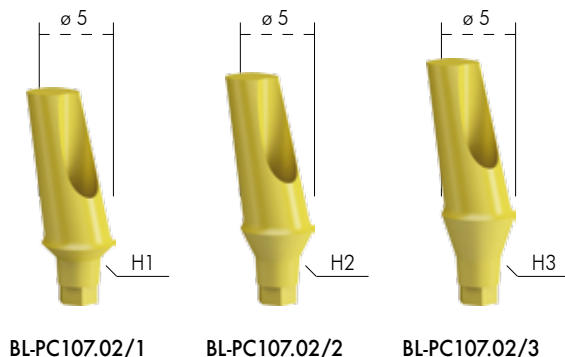
- Simple;
- Color-coded and well-marked on the holder and easily readable PLANNING abutments;
- Comprehensive PLANNING set containing all PLANNING abutments arranged clearly;
- Easy handling thanks to the plastic holder;
- Proper seating of PLANNING abutments verified through the clear-cut response from 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.

15° ANGLED PLANNING ABUTMENTS

INCLUDES SCREW



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

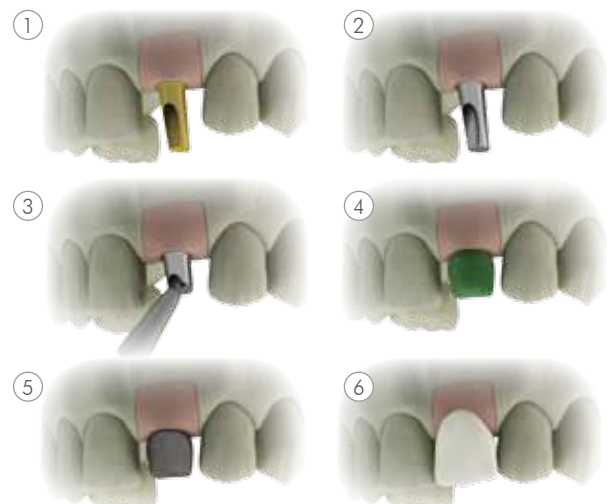
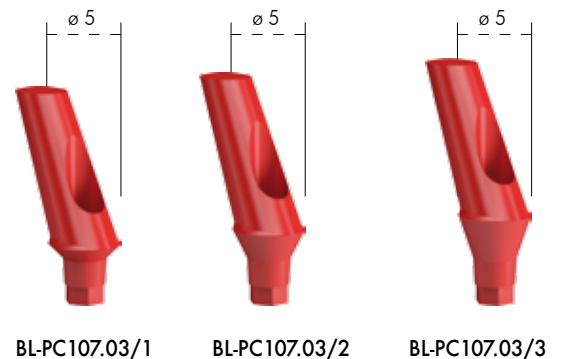
Fabricate the superstructure on the modified abutment using the standard modelling, casting and veneering methods.

STEP 5 - Cast the framework using the standard casting methods.

STEP 6 - Veneer the superstructure.

25° ANGLED PLANNING ABUTMENTS

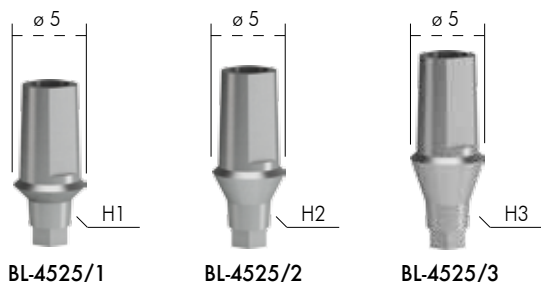
INCLUDES SCREW



TITANIUM ABUTMENTS

TITANIUM Ø 5 STRAIGHT ABUTMENTS

INCLUDES SCREW



INTENDED USE

Cement-retained restorations.

TIGHTENING:

with torque ratchet 30
N=Ncm

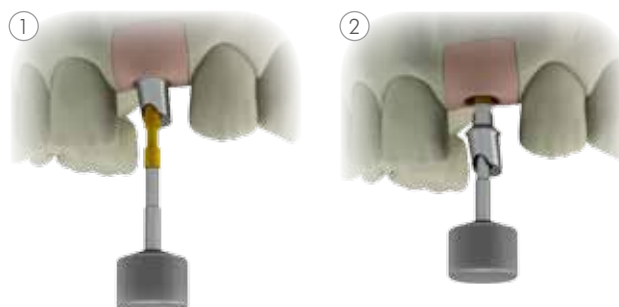


CHARACTERISTICS

- Simple;
- Less grinding necessary due to prepared mucosa margins;
- Adaptation to natural soft tissue contour due to prepared mucosa margins in different heights (H1, H2, H3);
- Oval shape resembles emergence profile of a natural tooth
- 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.

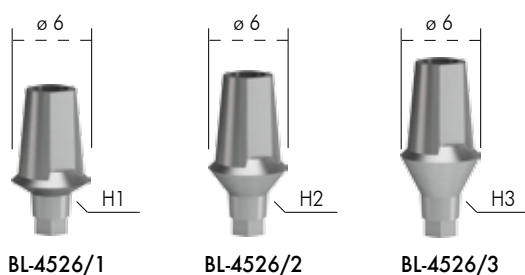
NOTE

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.



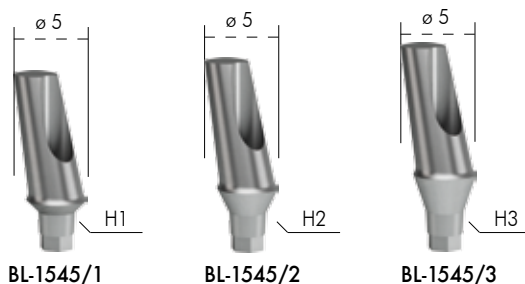
TITANIUM Ø 6 STRAIGHT ABUTMENTS

INCLUDES SCREW



TITANIUM 15° ANGLED ABUTMENTS

INCLUDES SCREW



ABUTMENT EXTRACTOR SCREW

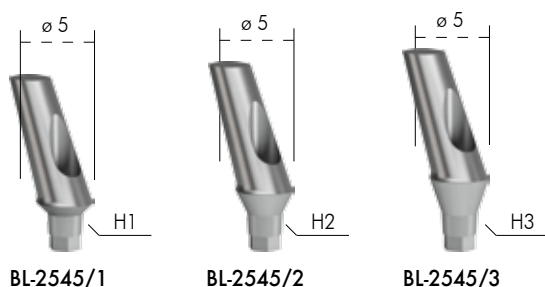
As the ABUTMENT EXTRACTOR SCREW is driven in, it will push the abutment out of the analog or implant.

BL-6060



TITANIUM 25° ANGLED ABUTMENTS

INCLUDES SCREW



TITANIUM/ ZIRCONIUM BASE



BL-6046

TITANIUM CASTABLE BASE

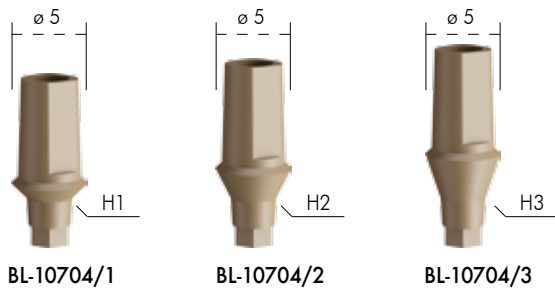


BL-6045

TEMPORARY ABUTMENTS

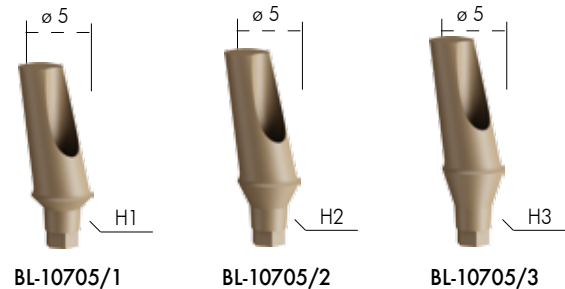
FIBRE-GLASS Ø 5 STRAIGHT ABUTMENTS

INCLUDES SCREW



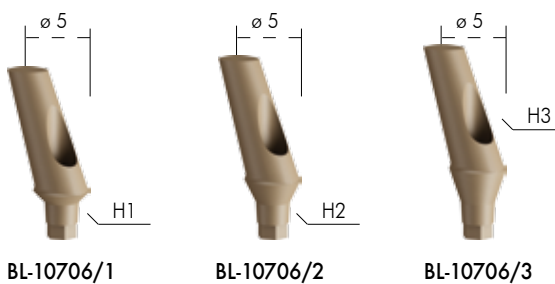
FIBRE-GLASS 15° ANGLED ABUTMENTS

INCLUDES SCREW



FIBRE-GLASS 25° ANGLED ABUTMENTS

INCLUDES SCREW



ZIRCONIUM ABUTMENTS



BL-4525-ZO
Zirconium Straight Abutment



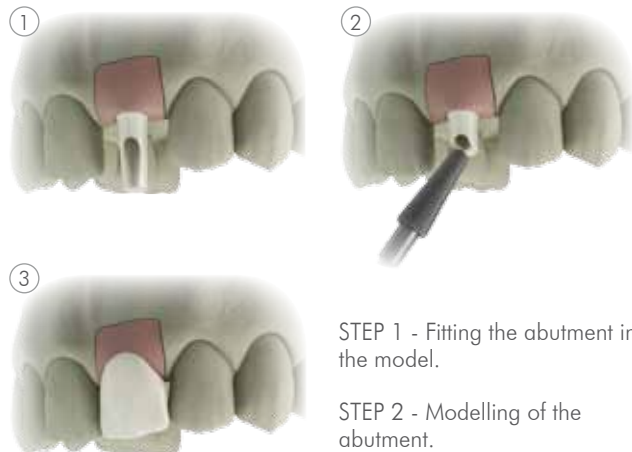
BL-1543-ZO
Zirconium 15° Angled Abutment

INTENDED USE

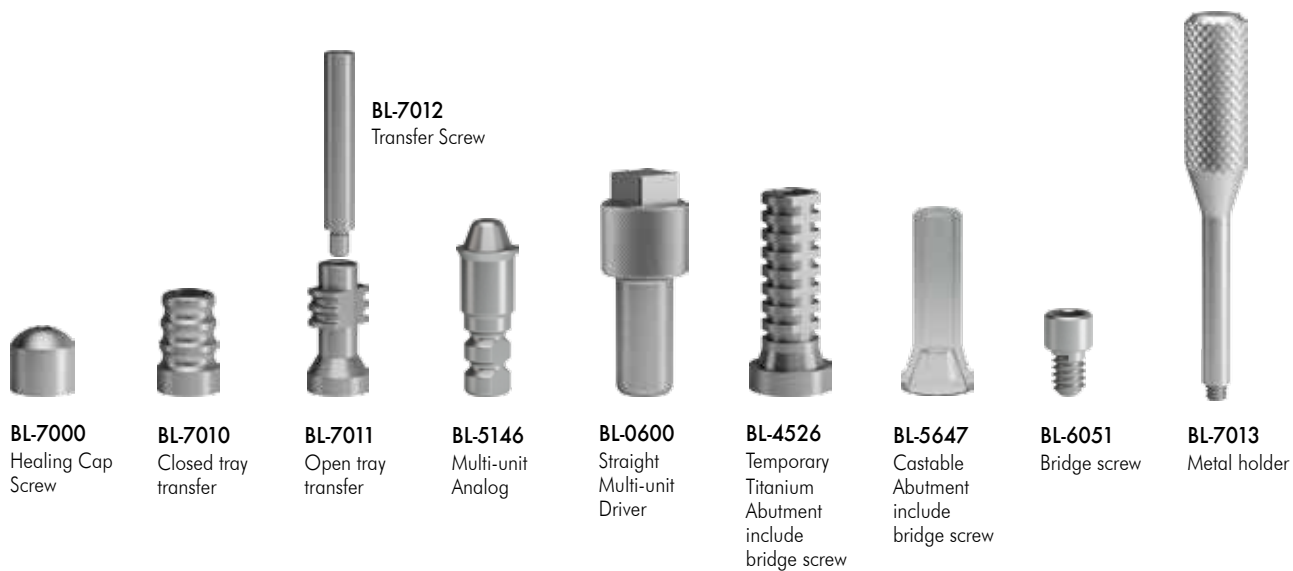
Restorations in the esthetic zone.

CHARACTERISTICS

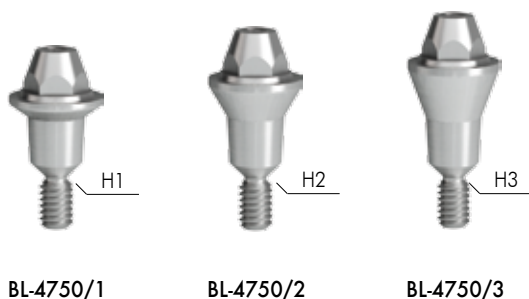
Made from White Zirconium oxide that provides a more natural color for the abutment in the esthetic zone.



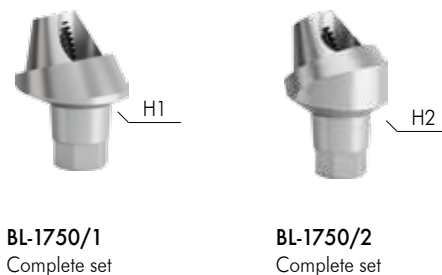
SCREW-RETAINED RESTORATIONS



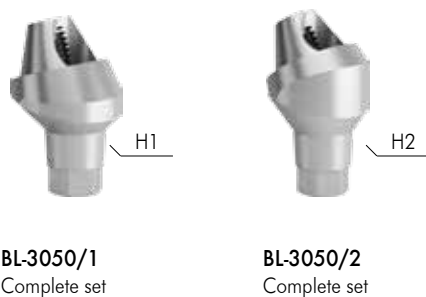
STRAIGHT ABUTMENTS



17° ANGLED ABUTMENTS



30° ANGLED ABUTMENTS

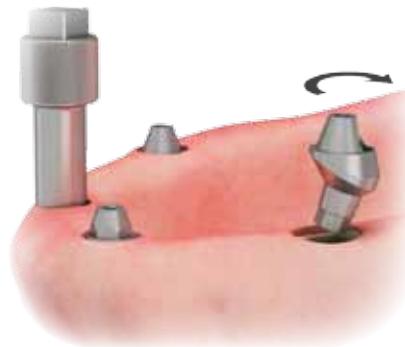


COMPLETE SET INCLUDES:



1. Multi-unit angled abutment
2. Prosthetics Screw

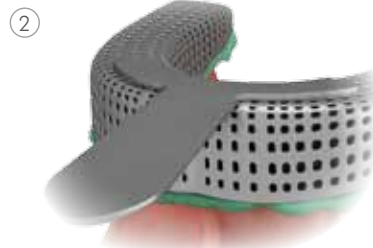
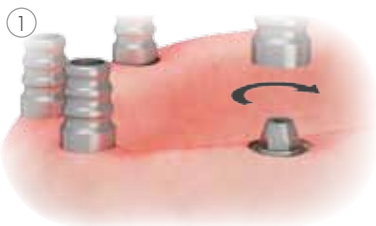
CLOSED TRAY TECHNIQUE



STEP 1
Remove the healing abutments.

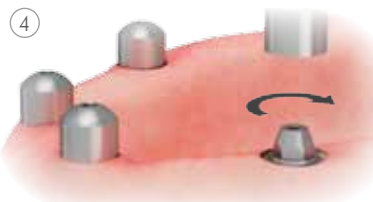
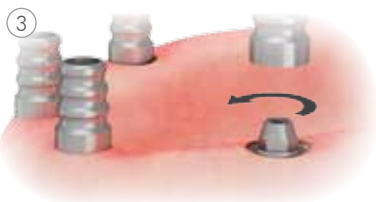
STEP 2
Screw the straight abutment into the implant using the torque ratchet (30 Ncm) and the Multi-unit Driver.

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).

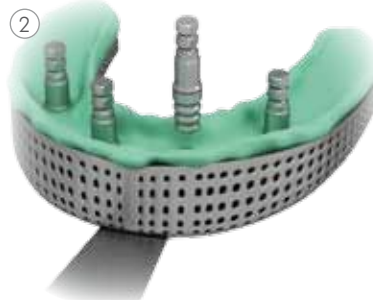
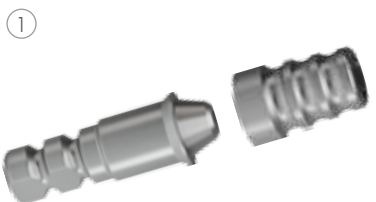


STEP 3
Remove the closed tray transfer from the abutment.

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.

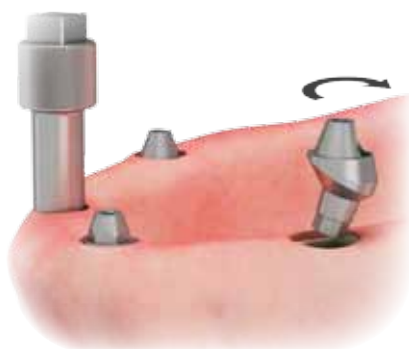
STEP 2
Reposition the transfer into the previously taken impression material being sure that the transfers are properly seated.



STEP 3
Master model.



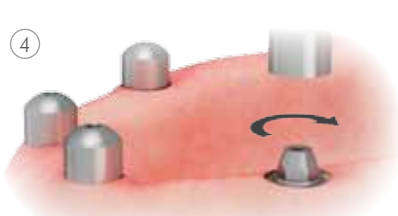
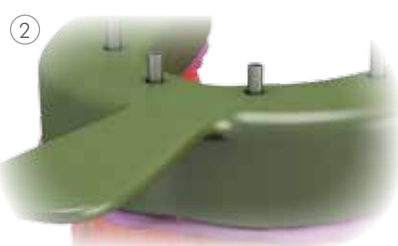
OPEN TRAY TECHNIQUE



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 the impression post accurately into the Multi-unit abutments 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 protrudes. Take the impression using an elastomeric impression material (polyvinyl siloxane or polyether rubber).

STEP 3 - Unscrew the opened tray transfers 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
The laboratory will prepare the tray for the clinician by preplanned openings in the tray from which the impression posts will protrude. The tray will in turn be given to the clinician to take the impression.

STEP 2
Reposition and fix the analog in the impression using the screw.

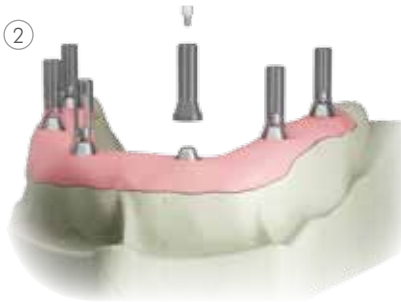
STEP 3
Master model.

SCREW RETAINED RESTORATION

①



②



STEP 1
Master model.

STEP 2
Place and screw the castable abutments onto the protruding multi-unit analog.

STEP 3
Removable gingiva modeling material permits easy access for submucosal contouring and verification of component seating.

③



④



STEP 4
Attach the castable abutment cylinder firmly to the multi-unit analog. Multi-unit analog using a Laboratory Bridge Screw.

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.

⑤



⑥



STEP 6
Try and verify the framework on the working model. The restoration is seated on the multi-unit Analog with a passive fit.

BAR



BL-5146
Multi-unit Analog



0220BB
OT-Bar (2 pcs.)



027CRR
Clip pink (soft)



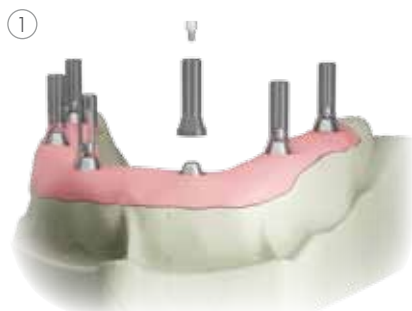
027CRG
Clip yellow (medium)



BL-5647
Castable
Abutment
includes screw
BL-6051



BL-6051
Bridge screw



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.

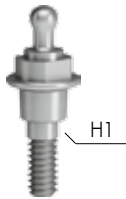
STEP 4
The yellow clips (027CRG) are fixed into the prosthesis.

O-BALL ATTACHMENT SYSTEM

O-ball
Abutment Driver



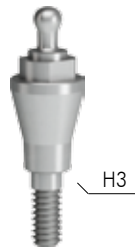
CT-0500



BL-5641
Complete set



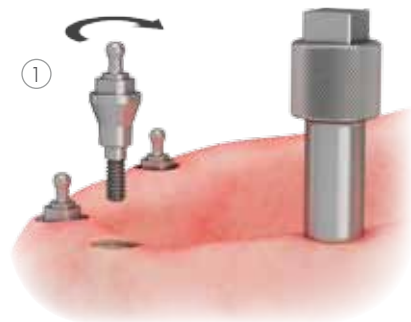
BL-5642
Complete set



BL-5643
Complete set



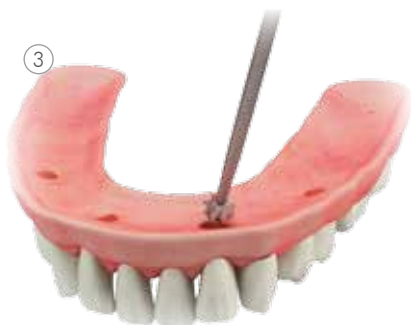
BL-5144
O-Ball Analog



①



②



③

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. CT-0500).

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



BL-8994



BL-8995



BL-8996



BL-8997



BL-8998

COMPLETE SET INCLUDES:



- 1 Anchor abutment
(Ref. BL-8994, BL-8995, BL-8996, BL-8997, BL-8998)
- 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	Implant Latch Driver CT-E9040
2.0 external irrigation drill (Ø 2.0) CT-1720E	Implant Ratchet Driver (Short) CT-E7001
3.5 external irrigation drill (Ø 3.0) CT-1735E	Implant Ratchet Driver (long) CT-E7001L
4.3 external irrigation drill (Ø 3.6) CT-1743E	Torque Wrench (50 Ncm) CT-8010
5.1 external irrigation drill (Ø 4.6) CT-1751E	Depth Gauge (3.5 mm) CT-E9007
Counterbore CT-2035E	Depth Gauge (4.3 mm) CT-E9008
3.5 Bone Tap CT-7154E	Depth Gauge (5.1 mm) CT-E9010
4.3 Bone Tap CT-7155E	Paralleling Pins, qty. 2 (1.6 mm & 2.0 mm) CT-9000
5.1 Bone Tap CT-7151E	Paralleling Pins, qty. 2 (3.5 mm & 4.3 mm) CT-9003
Drill Extender CT-2000	Set metal stopper (L.9/11/13/15) CT-Stop07/08/09/10
Manual Hex Driver Short CT-9025S	Implant Latch Driver BL-E9040
Manual Hex Driver Long CT- 9025	Implant Ratchet Driver Short BL-E7001
1.25mm Hextool Torque Wrench Attachments CT-8051	Implant Ratchet Driver Long BL-E7001L
1.25mm Hextool Torque Wrench Attachments (Long) CT-8052	

REFERENCES:

Sur.Kit.01:
Deluxe Surgical Kit for BL And GL Line

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



REDUCED SURGICAL KIT

REDUCED 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
Counterbore CT-2035E
Stopper (9 mm) CT-Stop07
Stopper (11 mm) CT-Stop08
Drill Extender CT-2000
Manual Hex Driver Short CT-9025S
Manual Hex Driver Long CT- 9025
Implant Ratchet Driver (Short) BL-E7001
Implant Latch Driver BL-E9040
Torque Wrench (50 Ncm) CT-8010
Paralleling Pins, qty. 2 (1.6 mm & 2.0 mm) CT-9000

REFERENCES:

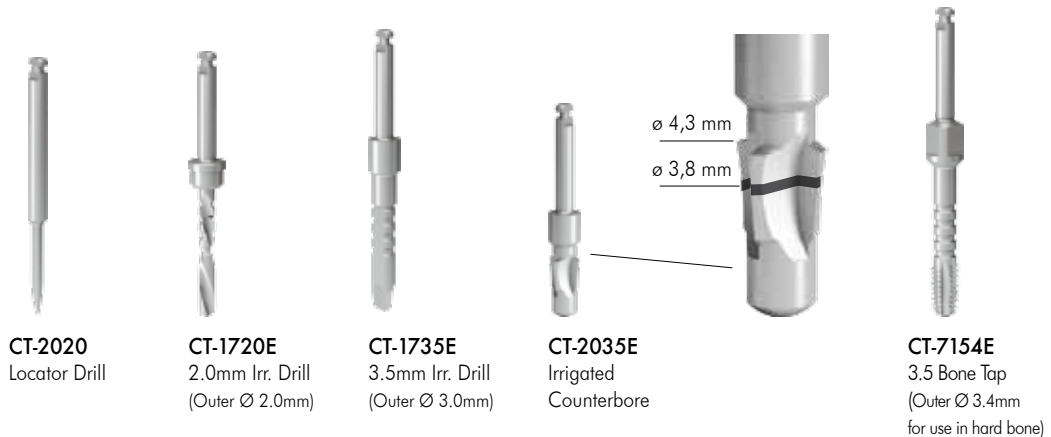
BL Sur.Kit.02:
Reduced Surgical Kit for BL Line



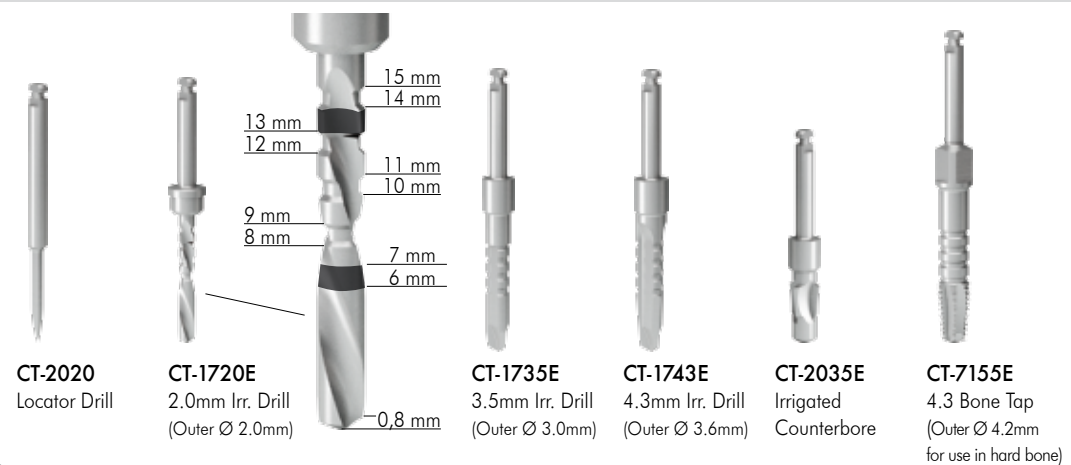
DRILLS & BONE TAPS



SURGICAL PROCEDURE BL Ø 3.5 IMPLANT



SURGICAL PROCEDURE BL Ø 4.3 IMPLANT



SURGICAL PROCEDURE BL Ø 5.1 IMPLANT



SURGICAL KIT COMPONENTS

SURGICAL FACILITATORS

PARALLELING PINS



CT-9003
3.5 mm
4.3mm



CT-9000
1.6 mm
2.0mm

DEPTH GAUGES



CT-E9007
3.5mm
ø est.



CT-E9008
4.3mm
ø est.



CT-E9010
5.1 mm
ø est.



CT-2000
Drill Extender

PROSTHETICS DRIVER



CT-9025S
Hex drivers



CT-9025
Hex drivers



CT-9019
Handpiece Latch



CT-9024S
Swivel hex drivers



CT-9024
Swivel hex drivers



CT-8051
Torque wrench
attachments



CT-8052
Torque wrench
attachments

BL IMPLANT DRIVERS



BL-E7001
Implant
ratchet driver



BL-E7001L
Implant
ratchet driver



BL-E9040
Implant latch

DRILL DEPTH STOPS



CT-STOP06
Stop L.6



CT-STOP02
Stop L.7



CT-STOP01
Stop L.8



CT-STOP07
Stop L.9



CT-STOP08
Stop L.11



CT-STOP09
Stop L.13



CT-STOP10
Stop L.15

TORQUE WRENCH 50Ncm

CT-8010



IMPLANT PACKAGING

ONE STAGE TECHNIQUE

Healing abutments are available in Ø 5 heights of 1, 2, 3, 5 and 7 mm and in Ø 6 heights of 1, 2, 3 mm. A healing abutment equal to or slightly greater than the soft tissue depth is placed for a one stage surgery in order to avoid a second surgery.



TWO STAGE TECHNIQUE

The 0.8mm Cover Screw has a low, contoured profile for ease of tissue coverage during the healing phase. After the healing phase of osseointegration, a Healing Abutment is then placed during the second stage surgery.



The Implant mount must be used to manually advance the BL Implant in the osteotomy until increased torque is necessary to remove the Implant mount.



The Ratchet Wrench (CT-8010) or Adjustable Torque Wrench (CT-8030) is connected to the Implant mount for final insertion in the osteotomy site.

PACKAGING







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