

ND

NARROW
DIAMETER
implant



C-TECH
IMPLANT

NARROW DIAMETER 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.

Dental precision 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 25 countries.

Scientific research, advanced technology and 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

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 and 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.



NARROW DIAMETER implant

Bevelled shoulder

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

Conical connection

- Structural strength stability
- Reduction of micro-movement

Micro grooving

- Softens forces to the cortical bone during insertion
- Cortical bone maintenance

Grit blasted and acid etched surface topography

- Best surface for osseointegration 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

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

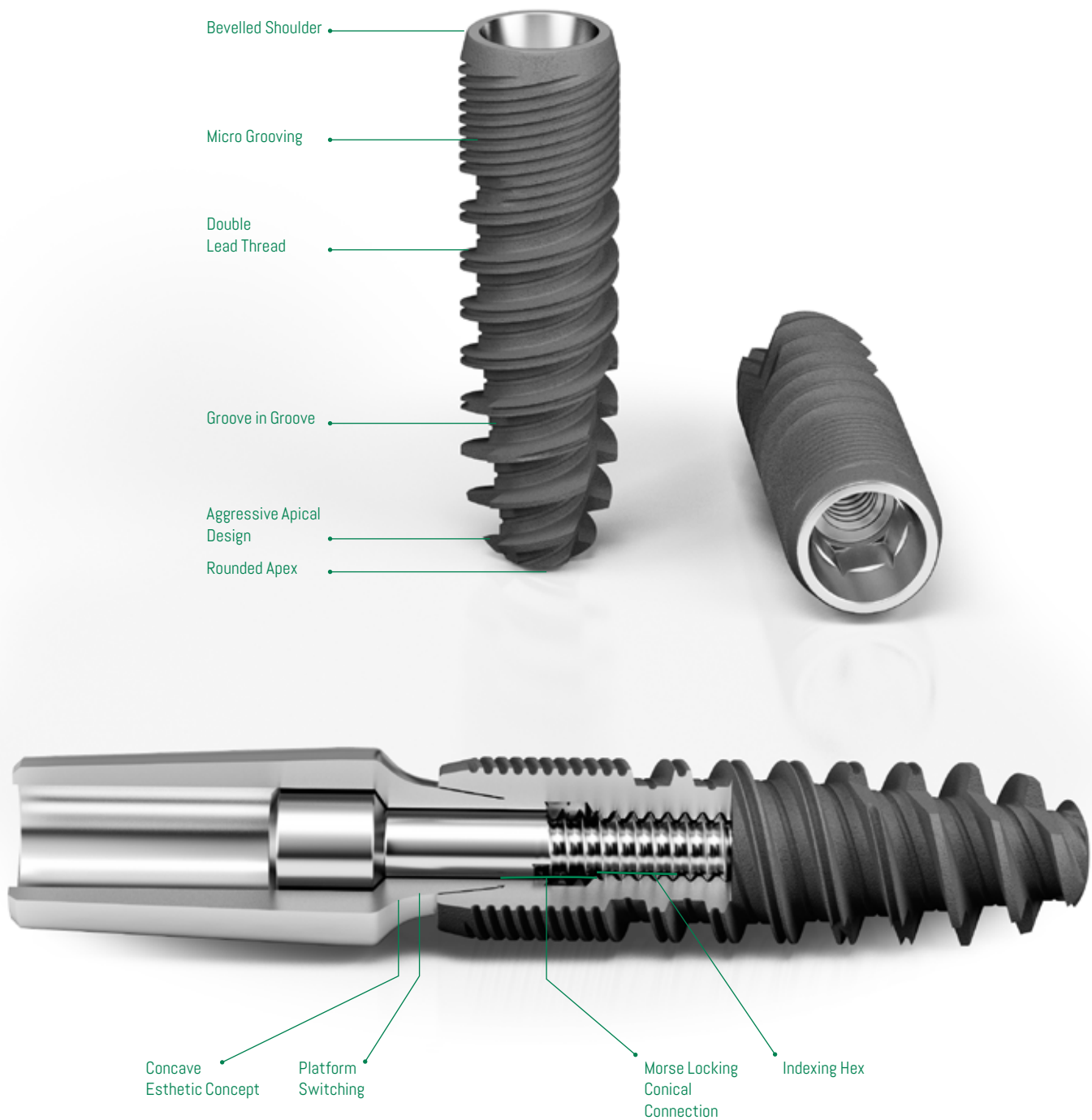
- Increased bone to implant contact

Platform switching

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

Indexing hex

- Antirotational security



Dental Implant

ND implant $\varnothing 3.1$



ND-3009
9 mm

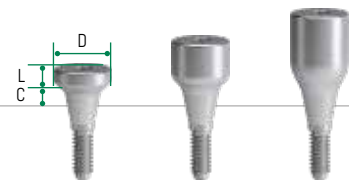
ND-3011
11 mm

ND-3013
13 mm

Healing Abutments

L	D	C	Fixture	item#
0.7	3.8		2	ND-3022
1			4	ND-3024
1.5			6	ND-3026

Material: titanium grade 5



ND-3022

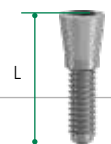
ND-3024

ND-3026

Cover Screw

L
5.8

Material: titanium grade 5



ND-3008
0.8mm

Prosthetic screw

L
7.7

Material: titanium grade 5



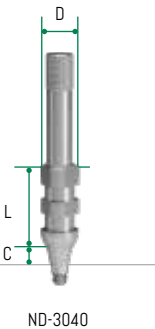
ND-5052HX

Open tray impression transfer

Open tray transfer Includes screw ND-3041

L	D	C
7.5	3.8	2

Material: titanium grade 5



Impression post screw

L
20

Material: titanium grade 5



Analog

L	D
15	3.1

Material: titanium grade 5

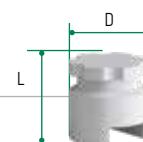


Closed tray impression transfer

Impression cap

L	D
5	4

Material: plastic

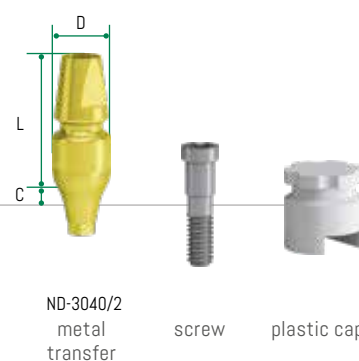


BL-4543

Complete set

L	D	C
11.5	3.8	2

Material: titanium grade 5



ND-3040/2
metal
transfer

screw

plastic cap

Titanium abutments

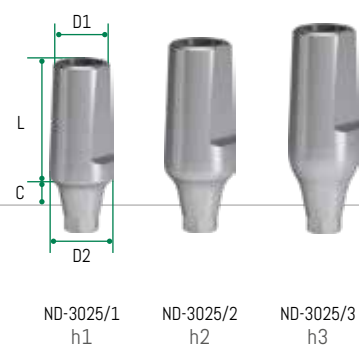


TIGHTENING: with torque ratchet 20 N=Ncm

Titanium Ø 4 straight abutments Includes screw ND-5052HX

L	D1	D2	C	Fixture	item#
8	3.8	4		1	ND-3025/1
				2	ND-3025/2
				3	ND-3025/3

Material: titanium grade 5



ND-3025/1
h1

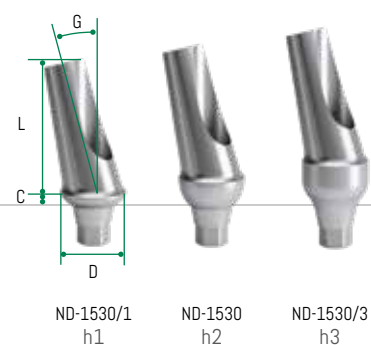
ND-3025/2
h2

ND-3025/3
h3

Titanium 15° angled abutments Includes screw ND-5052HX

L	D	C	Fixture	G	item#
6	4			15°	ND-1530/1
					ND-1530
					ND-1530/3

Material: titanium grade 5



ND-1530/1
h1

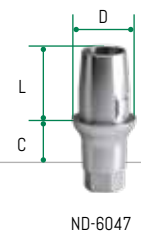
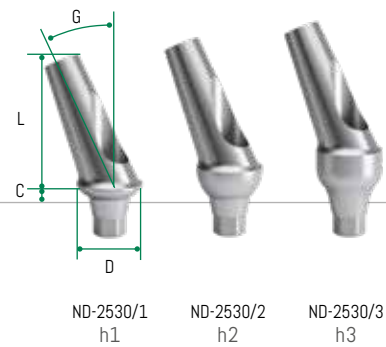
ND-1530
h2

ND-1530/3
h3

Titanium 25° angled abutments Includes prosthetic screw ND-5052HX

L	D	C	Fixture	G	item#
6	4		1	25°	ND-2530/1
			2		ND-2530/2
			3		ND-2530/3

Material: titanium grade 5



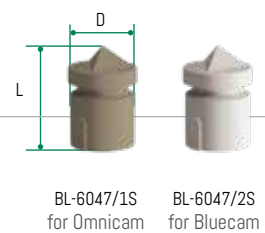
CEREC® base Includes prosthetic screw ND-5052HX

L	D	C
4.65	4.25	2

Material: titanium grade 5

Scanbody for CEREC® base

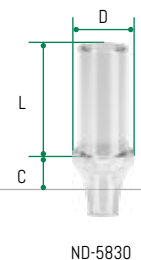
L	D
6.55	3.9



Castable abutment Includes prosthetic screw ND-5052HX

L	D	C
7.5	3.8	2

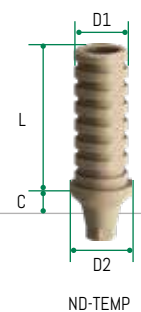
Material: Plexiglass



Temporary peek abutment Includes prosthetic screw ND-5052HX

L	D1	D2	C
8	3.8	4	1

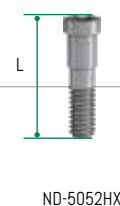
Material: PEEK



Prosthetic screw

L
7.7

Material: titanium grade 5



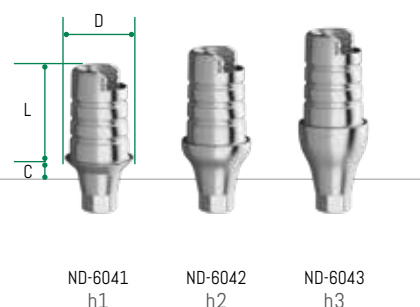
CAD CAM components

Non rotating CEC titanium bases Includes prosthetic screw ND-5052HX

L	D	C	Fixture	item#
5	4.2		1	ND-6041
			2	ND-6042
			3	ND-6043

TIGHTENING: with torque ratchet 20 Ncm

Material: Titanium grade 5

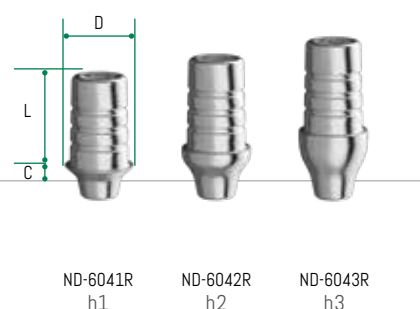


Rotating CEC titanium bases Includes prosthetic screw ND-5052HX

L	D	C	Fixture	item#
5	4.2		1	ND-6041R
			2	ND-6042R
			3	ND-6043R

TIGHTENING: with torque ratchet 20 Ncm

Material: Titanium grade 5

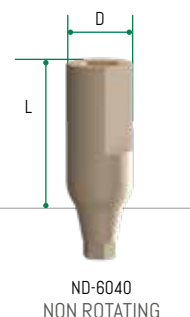


Intraoral Scanbody Compatible with EXOCAD, 3SHAPE and DENTALWINGS - Includes prosthetic screw ND-5052HX

L	D
945	3.8

TIGHTENING: with torque ratchet 20 Ncm

Material: PEEK

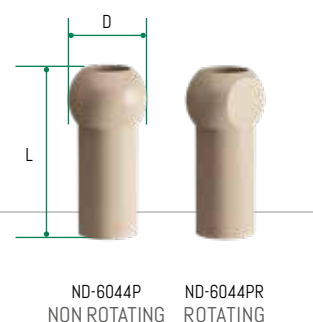


Scan cap Compatible with EXOCAD, 3SHAPE and DENTALWINGS - Includes prosthetic screw ND-SCANSREW

L	D
12	4.8

TIGHTENING: with torque ratchet 15 Ncm

Material: PEEK

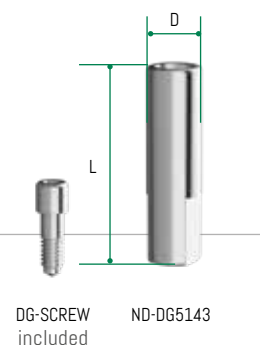


3D Analog Includes prosthetic screw DG-SCREW

L	D
11.5	3.2

TIGHTENING: with torque ratchet 15 Ncm

Material: Titanium grade 5



Prosthetic screw

L
7.7

TIGHTENING: with torque ratchet 20 Ncm

Material: titanium grade 5



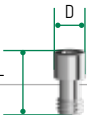
ND-5052HX

Scan screw

L	D
6.1	3

TIGHTENING: with torque ratchet 15 Ncm

Material: titanium grade 5



ND-SCANSCREW

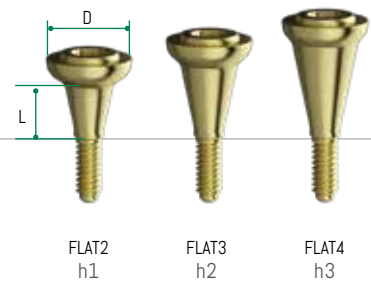
Flat abutments

Flat abutments

H	D	item#
8.1	4.5	FLAT2
9.1		FLAT3
10.1		FLAT4

TIGHTENING: with torque ratchet 20 N=Ncm

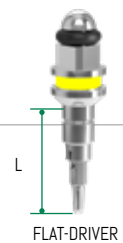
Material: Titanium grade 5



Driver for Flat abutments

L	item#
9.85	FLAT-DRIVER

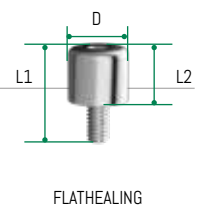
Material: Stainless steel



Flat healing screw

L1	L2	D
7.2	4	4.5

Material: titanium grade 5



Flat closed tray transfer

L	D
11.2	3.74

Material: titanium grade 5

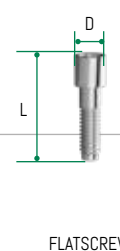


Flat connecting screw

L	D
64	2

TIGHTENING: with torque ratchet 20 N=Ncm

Material: titanium grade 5



Flat analog

L	D
12.5	4

Material: titanium grade 5



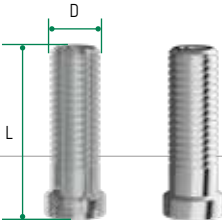
FLAT-AN

Flat casting cylinders

Included prosthetic screw FLATSCREW

L	D	item#
11.5	3.6	FLAT-CAST
		FLAT-TIT

Material: Plexiglass and titanium grade 5



FLAT-CAST

FLAT-TIT

CAD CAM for flat abutments

Flat scan cap

Included prosthetic screw FLATSCREW

L	D
12	4.5

TIGHTENING: with torque ratchet 20 N=Ncm

Material: PEEK



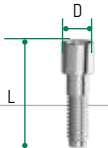
FLAT-SCAN

Flat connecting screw

L	D
64	2

TIGHTENING: with torque ratchet 20 N=Ncm

Material: titanium grade 5



FLATSCREW

O-Ball attachment system

Intended use

Removable dentures retained by implants in the mandible and maxilla.

Characteristics

- 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

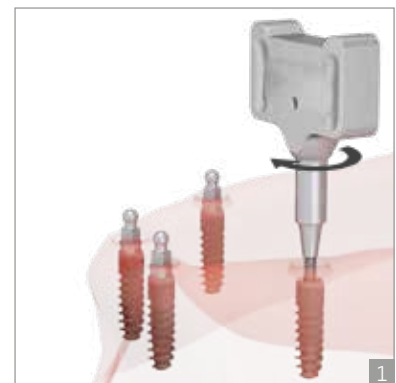
Dual retention for optimal abutment-denture connection. Excellent long-term performance due to wear resistant components.

STEP 1

Screw the spherical abutment into the implant using butterfly key MC-3002 or ratchet driver MC-3003S, MC-3003M or MC-3003L.

STEP 2

Rebase the overdenture according to the standard procedure.



Butterfly driver

D	L
8.5	7

Material: Stainless steel



O-Ball abutments

L	D	C	item#
3.77	3.8	1	ND-5641
		2	ND-5642
		3	ND-5643

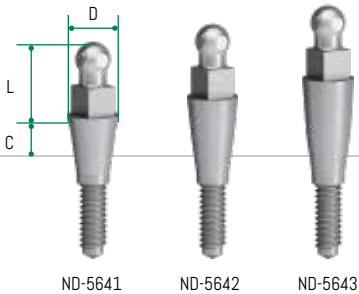
Complete set includes:

O-Ring (Ref. MC-3005) 1 piece

Metal Housing (Ref. MCH-2)

O-Ball Abutment (Ref. ND-5641, ND-5642, ND-5643)

Material: Titanium grade 5



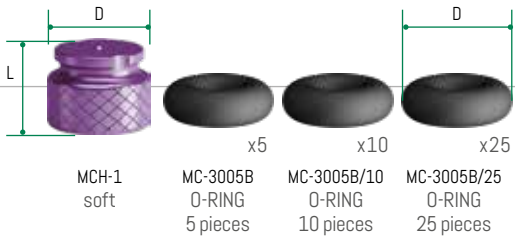
Caps soft retention

L	D
3.5	4.7

Material: Titanium grade 5

o-ring	D
	44

Material: FDA Buna



Also available in packages of 4 caps: MCH-1/4

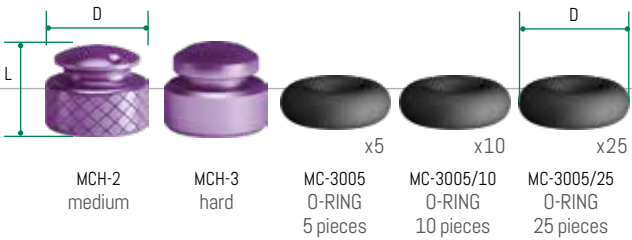
Caps medium & hard retention

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

Material: Titanium grade 5

o-ring	D
	3.8

Material: FDA Buna



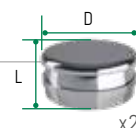
Also available in packages of 4 caps: MCH-2/4 and MCH-3/4

Anchor abutment system

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 - kepitall
140CET/140CER/140CEG - pebax

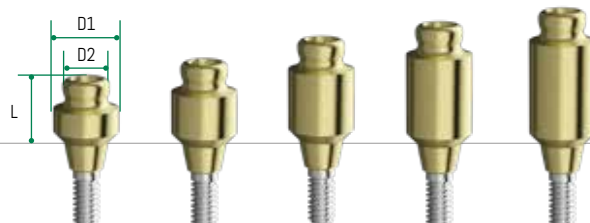


140CEV
strong
retention 2.7kg

140CET
standard
retention 1.8kg

140CER
soft
retention 1.2kg

140CEG
extra-soft
retention 0.6kg



130ND31
h1

130ND32
h2

130ND33
h3

130ND34
h4

130ND35
h5

Anchor abutment

L	D1	D2	item#
24	4.3	2.5	130ND31
34			130ND32
44			130ND33
54			130ND34
64			130ND35

TIGHTENING: with torque ratchet 25 Ncm

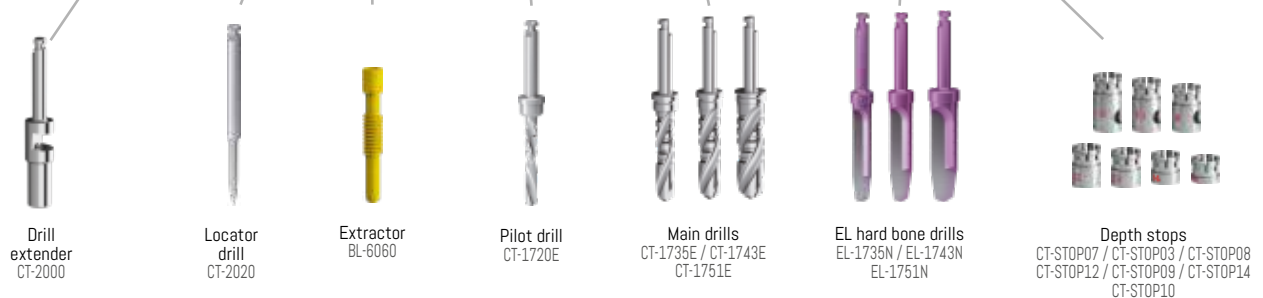
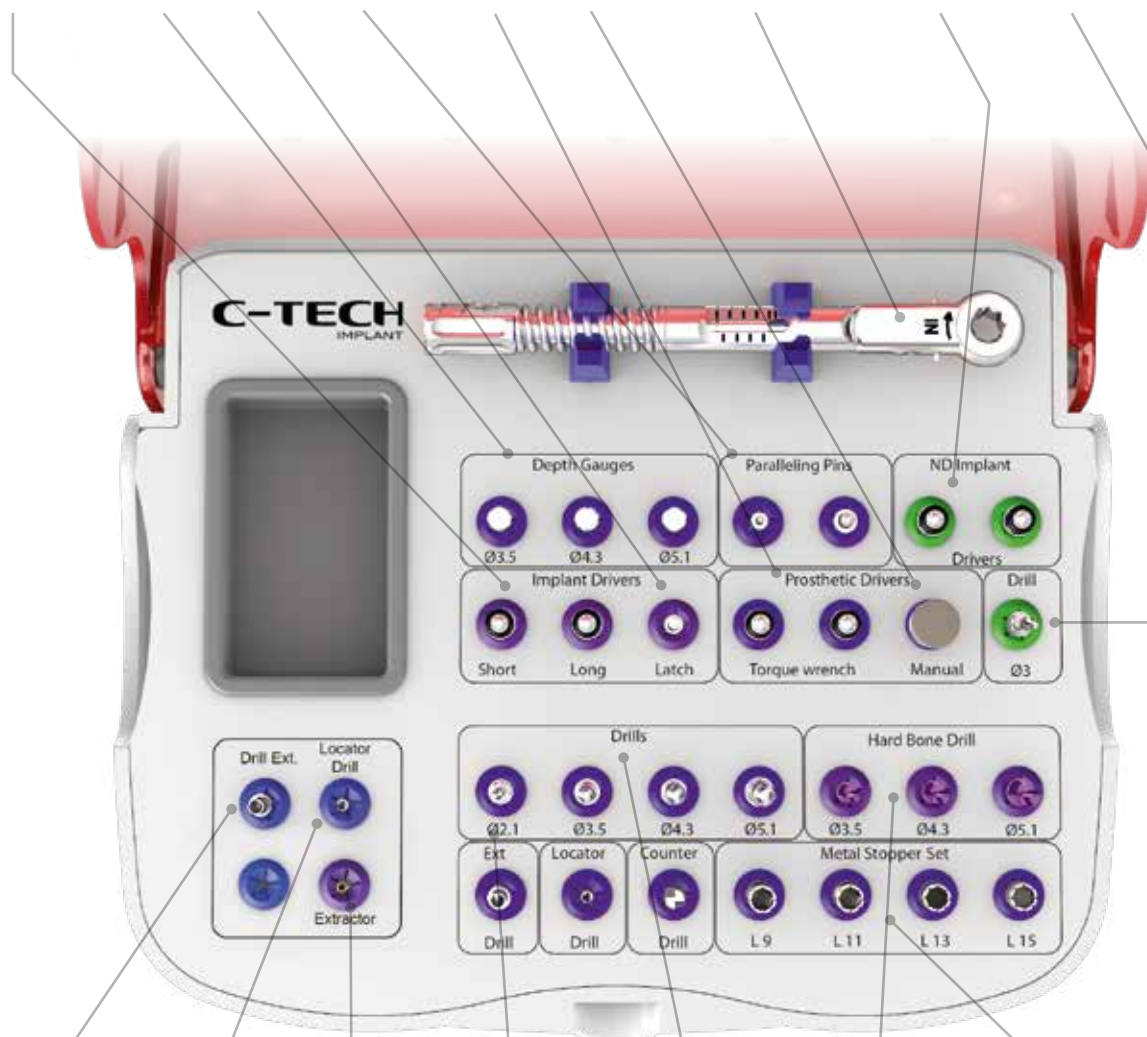
Complete set includes:

- 1 Anchor abutment (Ref. 130ND31, 130ND32, 130ND33, 130ND34, 130ND35)
- 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)

Material: Titanium grade 5

Surgical Kit

EL-SUR.KIT.01



Drill Stop Kit

STOPKIT00: Empty/No Contents

STOPKIT01

Contents of the kit

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



Bone Expander Kit

OSTKIT01

Contents of the kit

Ratchet
 Ratchet extender
 Latch driver adapter
 Locator drill
 1.4 mm Drill
 2.0 mm Osteotome
 2.3 mm Osteotome
 2.6 mm Osteotome
 3.1 mm Osteotome
 3.3 mm Osteotome
 3.8 mm Osteotome
 4.0 mm Osteotome
 4.2 mm Osteotome
 4.5 mm Osteotome

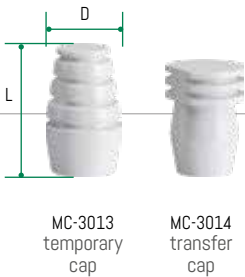


Laboratory accessories

O-ball transfer caps

D	L	item#
4.0	7	MC-3013
4.5	64	MC-3014

Material: POM



Collared analog

D	L
2.6	15.8

Material: Titanium grade 5

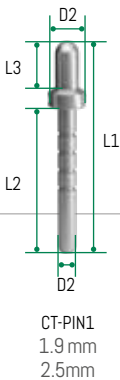


Instrumentation

Combined depth paralleling pins

L1	L2	L3	D1	D2
23.5	16.5	5.5	1.9	2.5

Material: Stainless steel



Paralleling pin

L1	L2	L3	D1	D2
23.5	16.5	5.5	1.9	2.5

Material: Stainless steel



Instrumentation

Drill Extender

L
25

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

Material: Stainless steel

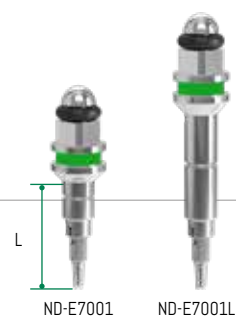


CT-2000

Implant ratchet driver

L	item#
9.85	ND-E7001
17.75	ND-E7001L

Material: Stainless steel



ND-E7001

ND-E7001L

Implant latch

L
11.8

Material: Stainless steel

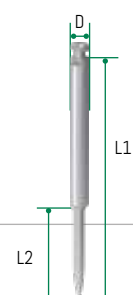


ND-E9040

Locator drill

L1	L2	D
29	15	1.6

Material: Stainless steel

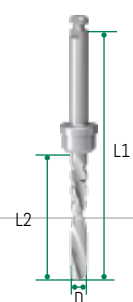


CT-2020

Initial drill

L1	L2	D
35.2	17.2	2.1

Material: Stainless steel

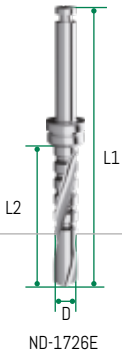


CT-1720E

Main drills

L1	L2	D
36.7	17.2	2.6

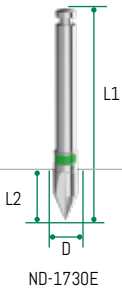
Material: Stainless steel



Counterbore

L1	L2	D
26	6	3

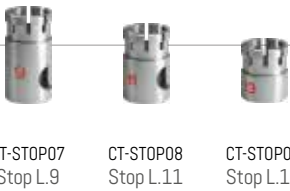
Material: Stainless steel



Stops

L	D	item#
9	5.2	CT-STOP07
11		CT-STOP08
13		CT-STOP09

Material: titanium grade 5



Prosthetic latch driver

L
26.5

Material: Stainless steel

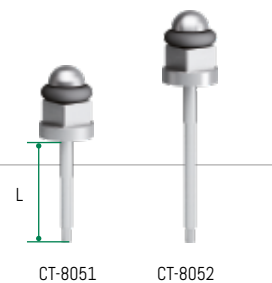


Instrumentation

Torque wrench attachments

L	item#
12.5	CT-8051
18.5	CT-8052

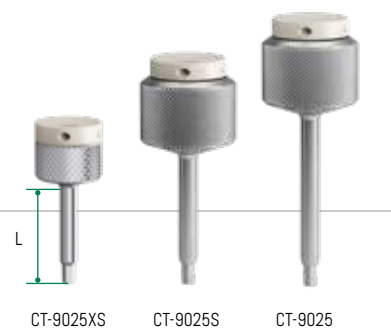
Material: Stainless steel



Hex drivers

L	item#
9.8	CT-9025XS
12.5	CT-9025S
18.5	CT-9025

Material: Stainless steel



Butterfly driver

D	L
8.5	7

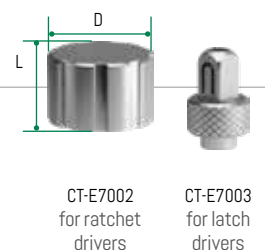
Material: Stainless steel



Finger adapter

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

Material: Stainless steel



Hand driver

Material: Stainless steel



EL-3016

Torque Wrench 50Ncm

Material: Stainless steel



CT-8010

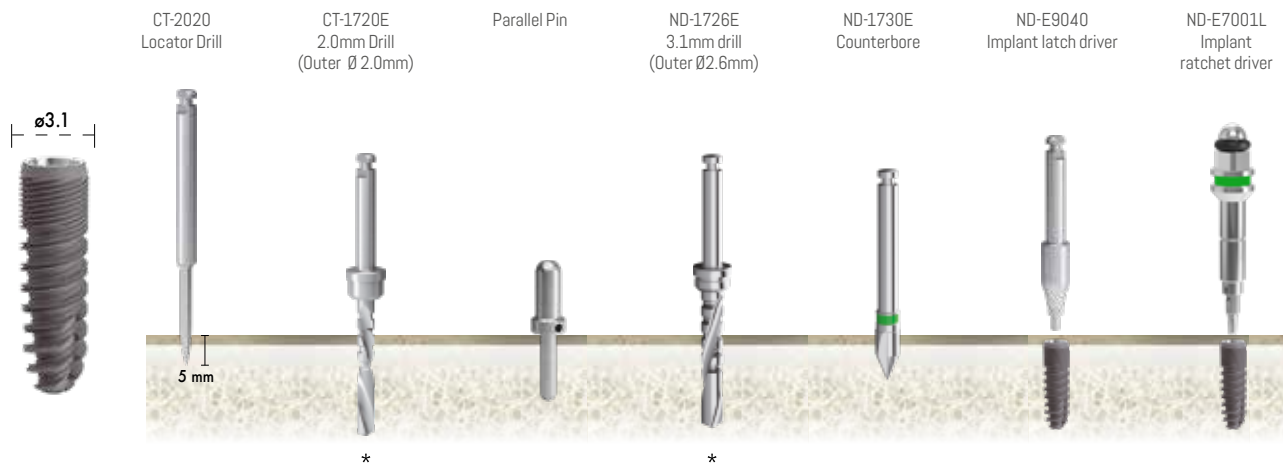
Torque Wrench PEEK

Material: Stainless steel and PEEK

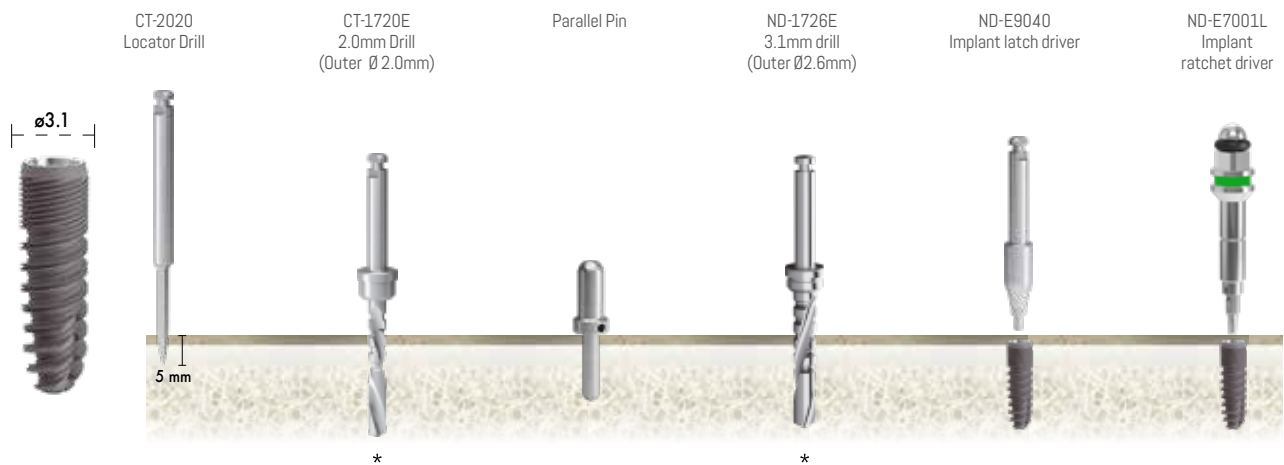


CT-8010PEEK

Site preparation D1-D2



Site preparation D3



*Depth: Minimum 1mm deeper than length of implant is to allow for subcrestal seating.

Note: an additional 0.8 mm must be added to the length of the drill due to the length of the angled cutting tip.

Implant packaging

The implant packaging is endowed with 3 levels of security; 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

Rev.05 of 09/11/2015

LOT 0416

SIZE: 3.5 x 13 mm

REF/ REORDER: EL-3513

CE 0123

STERILE R

Made in Italy

HIBC Health Industry Bar Code Format

Lot number

Implant dimension

ISO and CE Certification by TÜV SÜD

Implant

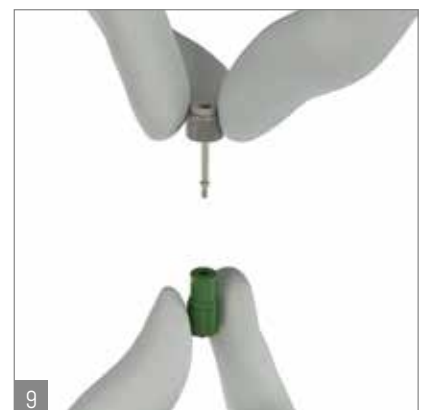
Read the instruction sheet

Mono-use

Sterilization with gamma rays

The device must be used exclusively by a physician

We are phasing in a new double vial packaging for the EL, BL and ND implants. This allow the user to pick up the implant directly from the vial with the latch driver. PLEASE NOTE, there is an order to the use of this new implant delivery system.



English version



REV. 04 /02-2018

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