



**CORTEX**<sup>™</sup>

The Future of Dental Implants

**PRODUCT CATALOGUE**

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# CORTEX

## The Future of Dental Implants

### Who We Are

Cortex Dental Implants Industries Ltd. is a developer, manufacturer and marketer of innovative, high-quality and affordable dental implants, prosthetic products and surgical kits.

Established in 2008 by a group of expert clinicians, maxillofacial surgeons, and opinion leaders in the field of dental implantology, who joined forces with leading business and marketing professionals in order to answer the market needs for practical, innovative solutions for dental rehabilitation and restoration.

### What We Do

Cortex is proud to be a dynamic, fast-moving company whose mission is to improve people's lives by providing top quality and innovative products that exceed standards of excellence in the rapidly growing field of dental implantology.

### Our Product Vision

- To be innovative and bring patent-protected solutions.
- To bring great value-for-money to our customers and their patients, while not compromising our state of the art quality.
- To make the patient's surgical and recovery process as simple and painless as possible.
- To provide dental professionals with easy-to-use products and kits which include all components required for implantation and restoration procedures while meeting the strictest sterilization standards.
- To maintain and improve our components and interfaces with the highest precision, and to produce the most effective and proven successful treated surfaces, which allows for the best possible morphology for Osseointegration.

Cortex puts great efforts into sharing knowledge and experience with clinicians worldwide and invests in establishing training frameworks to strengthen clinician's confidence in all aspects of implantology.

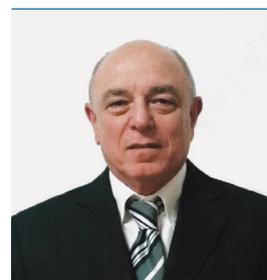
## CORTEX MANAGEMENT



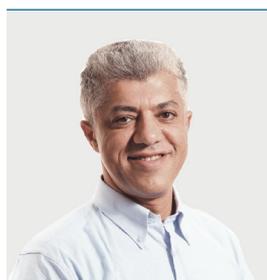
**Mr. Shmuel Rozen**  
Chairman and Marketing  
V.P



**Mr. Abraham Genkin**  
CEO



**Mr. Zvi Elishko**  
Director



**Dr. Meir Mamraev**  
DMD, LLB  
CTO and R&D V.P



**Dr. Zvi Laster**  
D.M.D  
CMO V.P

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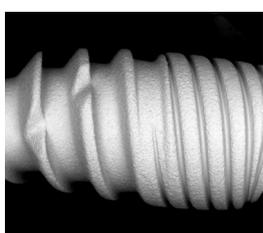


## Material

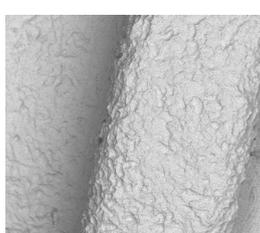
Cortex Dental Implants Industries Ltd. uses Titanium Alloy Ti 6Al-4V ELI, a material proven to be highly successful in the fabrication of dental implants. The ELI grade has superior damage tolerance (fracture toughness, fatigue crack growth rate) and better mechanical properties at cryogenic temperatures compared to standard grade Ti 6Al-4V, therefore, it is the perfect choice for implant fabrication. Its mechanical strength (40% stronger than grade 4) allows flexibility in implant design geometry. Ti 6Al-4V ELI is highly resistant to corrosion as, it spontaneously and immediately forms a stable, continuous, tightly adherent oxide film upon exposure to oxygen in air or water, which protects the underlying metal from further oxidation and corrosion.

## Surface Treatment

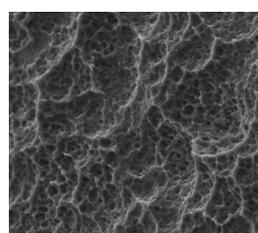
The surface roughness and Nano-morphology of Cortex Dental implants are achieved by blasting the implants with Al<sub>2</sub>O<sub>3</sub>, followed by etching with a combination of acids. This process increases the overall surface area and improves the interlocking between mineralized bone and implant surface while modifying the surface chemistry.



50 times magnification



400 times magnification



3000 times magnification

**Laboratory Tests** Cortex routinely carries out all of the necessary laboratory tests to ensure that implant production and surface treatments remain constantly, and consistently at the highest quality standard. Cortex holds collaborations with many well respected academic institutions worldwide, and we invest efforts and resources in testing and research, to achieve maximum validation and verification.

Titanium Oxide thickness (nm)	XPS atomic concentrations (%)					
	O	Ti	C	Al	V	N
4.0	56.71	18.79	20.05	3.80	0.40	0.25

\* Titanium Oxide average – 56.71 + 18.79 = 75%.

## Primary Stability

Implant geometry and surface treatments play a critical role in the primary fixation and long-term mechanical stability. Surface optimizations allow greater Bone-to-Implant-Contact which enhance the growth rate of new bone during the remodeling process. Optimal surface roughness provides an ideal environment for protein absorption and cell attachment.

## Quality Control

All Cortex products are subjected to strict quality control tests, in all stages of production, starting with raw materials inspection, continuing up to packaging and shipment. Products are marked with batch numbers, together with the relevant raw material for traceability.

## Sterilization

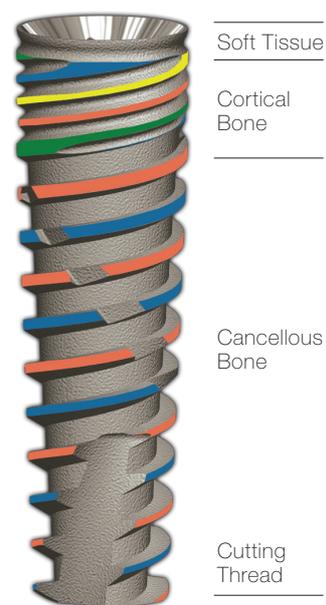
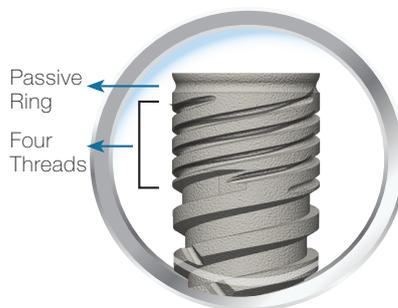
Cortex implants undergo a thorough Gamma irradiation sterilization procedure and meets the highest regulatory and clinical requirements. Our implants have a 5-year validity period.

## Warranty

Cortex is completely confident in the quality of its delivered products, and therefore we offer a lifetime guarantee on all of our implants. (As long as it is used in accordance with our instructions for use).

## High Initial Stability

- Conical implant core and wide thread with double lead provide higher bone grip for enhanced initial stability
- Passive ring allowing biological width adaptation and decreasing crestal stress
- Implant coronal part features additional two micro-threads overlapping with the main threads for enhanced Cortical bone grip
- Critical for sinus lift procedure
- Enables Immediate Loading



## Optimal Bone Grip & Compression

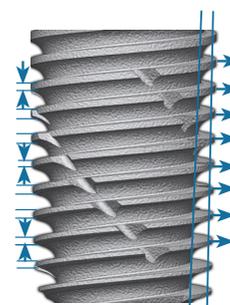
- Vertical and horizontal bone compression resulting in active bone contact

### Horizontal Bone Compression

- Achieved by the conical design of the implant's core

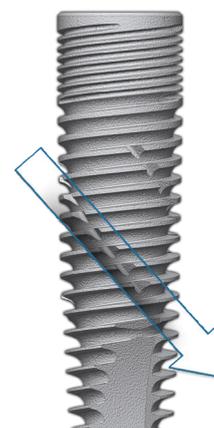
### Vertical Bone Compression

- Achieved by a gradual thickening of the implant's external threads



## Locking Elements - Patented

- Provides enhanced resistance to counter-clockwise rotational torques during the prosthetic rehabilitation process



QUALITY ASSURANCE



Cortex Implants Standards

Cortex Dental Implants Industries Ltd. is ISO 9001 and ISO 13485 certified, as well as to the Medical Device Directive 93/42/EEC. Certification authority and notified body is BSI (CE 0086).

Cortex products are also FDA cleared for marketing in the US.

EN ISO 9001  
EN ISO 13485



CFDA



# CONICAL PLATFORM

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## Conical Connection

- High accuracy Conical Interface
- Dedicated tooling system
- 12 positioning options using internal double hexagon interface below conical connection sealing
- Color coded Narrow, Regular and Wide platforms



## Maximum Accuracy, Minimum Complications

Cortex Conical Platform offers maximum accuracy and flexibility. Designed to decrease unpredicted complications, it is simple and easy to use; suitable for all indications and positions; and perfect for one- and two- stage procedures and immediate loading. Cortex Conical Platform continues Cortex's tradition of high quality, reliable, and easy-to-use products.

## Prosthetic Components

Cortex's range of prosthetic components provides clinicians all the needed tools for screw retained, cemented, and removable restorations.

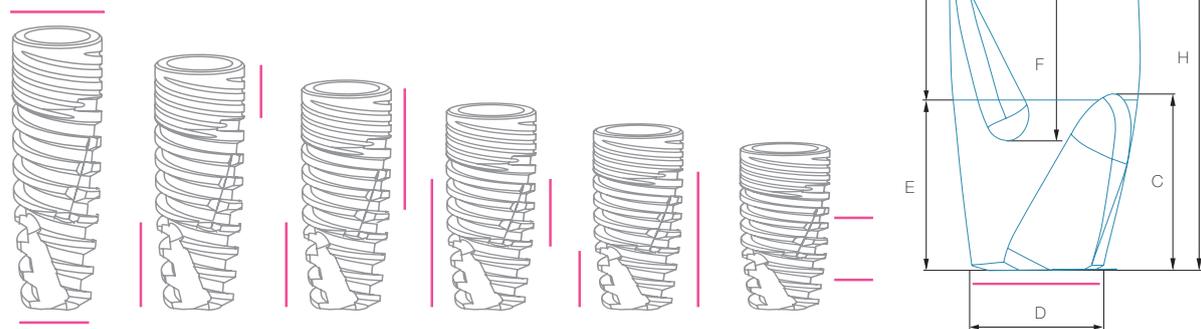
## Micro movements of Implant-Abutment Interface

Department Of Prosthetic Dentistry; J.W. Goethe University Frankfurt am Main; Prof. Dr. H. Ch. Lauer.

- With other types of degreed reed conical connections for the implant and abutment, it was found that several also showed a micro- gap.
- The conical Dynamix implant Ø 4.2 Implant system, manufactured by Cortex, on the contrary, shows no micro gap as it does in other systems.
- No relevant micro-gap between the connection of the implant and abutment.

# GOLDEN RATIO

## Golden Ratio in Implants





# IMPLANTS

C O N I C A L   P L A T F O R M

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# DYNAMIX

**Best preservation of bone quantity and improved bone quality**



### Dynamix Conical Narrow Platform - Prime Package

Diameter Ø [mm]	D.Hex [mm]	A [mm]	B [mm]	L = 6 mm	L = 8 mm	L = 10 mm	L = 11.5 mm	L = 13 mm	L = 16 mm
3.0	1.7	1.3	2.3			BMCD-1030	BMCD-1130	BMCD-1330	BMCD-1630

### Dynamix Conical Regular Platform - Prime Package

3.3	2.1	1.6	2.6			BMCD-1033	BMCD-1133	BMCD-1333	BMCD-1633
3.8	2.1	1.9	2.9		BMCD-0838	BMCD-1038	BMCD-1138	BMCD-1338	BMCD-1638
4.2	2.1	2.2	3.2	BMCD-0642	BMCD-0842	BMCD-1042	BMCD-1142	BMCD-1342	BMCD-1642

### Dynamix Conical Wide Platform - Prime Package

5.0	2.5	2.8	3.8	BMCD-0650	BMCD-0850	BMCD-1050	BMCD-1150	BMCD-1350	
6.0	2.5	3.8	4.6	BMCD-0660	BMCD-0860	BMCD-1060	BMCD-1160		

## Recommended for:

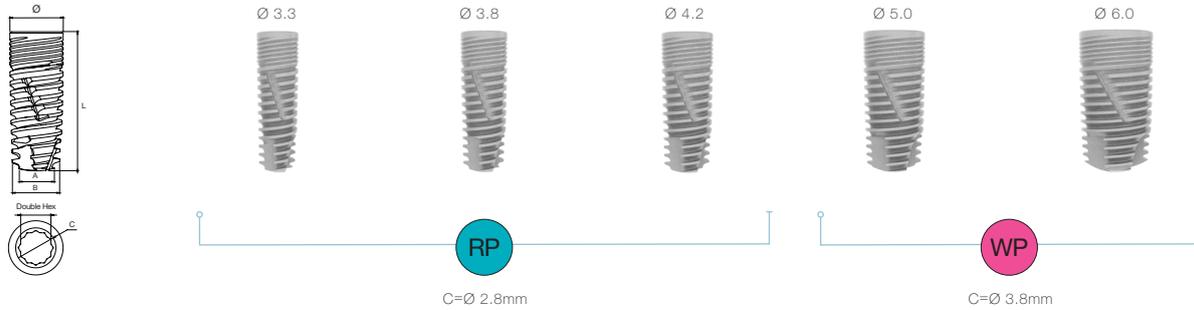
All procedures. Positions: maxilla & mandible. Ideal for D2-D4 bone types.

## Excellent Bone Cutting Capacity

- Bone preservation.
- Easy bone penetration.
- Precise cutting.
- Milling cutting edges.
- Sharp and precise bone cutting.
- Ability to change penetration angle during implantation in case of incorrect pre-drilling.
- Self-drilling, self-tapping.

# CLASSIX

Ideal bone to implant contact



## Classix Conical Regular Platform - Prime Package

Diameter Ø [mm]	D.Hex [mm]	A [mm]	B [mm]	L = 6 mm	L = 8 mm	L = 10 mm	L = 11.5 mm	L = 13 mm	L = 16 mm
3.3	2.1	2.0	3.2			BMCC-1033	BMCC-1133	BMCC-1333	BMCC-1633
3.8	2.1	2.5	3.7		BMCC-0838	BMCC-1038	BMCC-1138	BMCC-1338	BMCC-1638
4.2	2.1	2.7	4.0	BMCC-0642	BMCC-0842	BMCC-1042	BMCC-1142	BMCC-1342	BMCC-1642

## Classix Conical Wide Platform - Prime Package

5.0	2.5	3.5	4.9	BMCC-0650	BMCC-0850	BMCC-1050	BMCC-1150	BMCC-1350	
6.0	2.5	4.4	5.9	BMCC-0660	BMCC-0860	BMCC-1060	BMCC-1160		

### Recommended for:

All clinical situations and all bone types.

### Excellent Bone Penetration Capabilities

- Narrow, long and sharp apical starting thread.
- Two thread beginnings and three milling cutting edges.
- Easy bone penetration.
- Precise cutting and Self-tapping.
- Improved bone condensation.
- Bone preservation.

NEW

MAGIX™

Patent pending

## The Only Implant For Drill-Less Approach

Magix - A revolutionary dental implant, designed for placement without drilling or with minimal marking drill site preparation allowing full control during implant insertion.

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NEW



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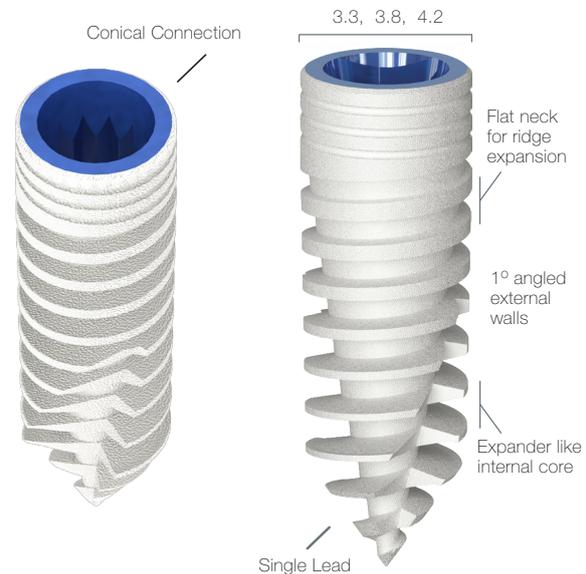
NEW

MAGIX™

Patent pending

## Magix Implant - Ideal implant for Drill-Less approach

- An exceptional solution for drill less approach, or bone preservation and condensation.
- The Magix Implant is self-drilling, self-tapping and self-condensing, with outstanding advantages in medium and soft bones.
- The Magix Implant design consists of threaded, (Single lead) tapered implant with a conical connection.
- The combination of design features enables easy and fast insertion and very high primary stability.
- Compatible with screw-retained, cement-retained, and overdenture restorations.



### Immediate Implant Placement

Immediate implant placement is defined by the International Congress of Oral Implantologists (ICOI) as the placement of an implant at the time of tooth extraction, into the extraction socket.

Magix Implants can be placed immediately if the following criteria are observed:

- Seventy-five (75) percent of the implant engages freshly prepared bone.
- The implant supports the buccal or labial bone.
- All existing pathology in the socket must be removed and there is no acute infection. an infection is present, it must be treated appropriately and the site cleaned and allowed to heal for four to six weeks before the implant is placed.
- Labial plate is intact.
- Crown does not exceed the recommended crown-to-root ratio (1:1).
- The diameter of the implant at the crest of the extraction site should be as wide as possible to prevent tissue in-growth.
- Immediate Provisionalization, Non-occlusal Load Immediate provisionalization is defined by the International Congress of Oral Implantologists (ICOI) as a clinical protocol for the placement of an interim prosthesis, with or without occlusal contact with the opposing dentition, at the same clinical visit as implant placement.

Magix Implants can be fitted with a temporary restoration at the time of implant placement if the following criteria are observed:

- Final implant tightening has a torque resistance of 35 - 45Ncm.
- No occlusal contacts in excursive movements and only light contact in centric occlusion.
- Good bone volume and density (recommended in Types I, II and III).
- Angulation of the implant does not exceed 15°.

### Important Warning

Lack of adequate practitioner training is a major risk factor that prevents the success of the implant and its procedure, and may endanger patient health. Therefore, no implantation should be performed without prior adequate training by a certified institute.

Patent pending

MAGIX™

NEW

CONICAL IMPLANTS

Ideal for implant placement without drilling



Magix Conical Regular Platform - Prime Package

Diameter Ø [mm]	D.Hex [mm]	A [mm]	B [mm]	L = 8 mm	L = 10 mm	L = 11.5 mm	L = 13 mm	L = 16 mm
3.3	2.1	1.6	2.6	BCDL-0833	BCDL-1033	BCDL-1133	BCDL-1333	BCDL-1633
3.8	2.1	1.9	2.9	BCDL-0838	BCDL-1038	BCDL-1138	BCDL-1338	BCDL-1638
4.2	2.1	2.2	3.2	BCDL-0842	BCDL-1042	BCDL-1142	BCDL-1342	BCDL-1642

Recommended for:

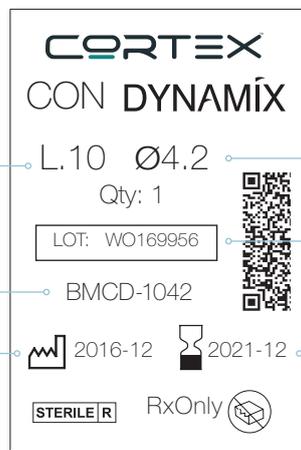
All procedures. Positions: maxilla & mandible. Drill-less approach is not recommended for hard bone type!

Excellent Bone tissue Penetration and Preservation

- Bone tissue preservation.
- Compressing the bone to create a denser bone around the implant.
- Higher initial stability.
- Prevention of rotary sliding of the implant (spinner implant).
- Reduced risk arising from drilling.
- Reduce patient discomfort.
- Shorter drilling protocol.
- Less risk of bone perforation or fenestration.

LABELING

Capsule Diameter Color Coding



Length of the implant

L.10 Ø4.2

Diameter of the implant

Qty: 1

LOT: WO169956

LOT/Batch number

Catalog number

BMCD-1042

Manufacture date (YYYY-MM)

2016-12 2021-12

Expiration date (YYYY-MM)

STERILE R

RxOnly

Marks on Package

Cortex products carry the CE mark and fulfill the requirements of the Medical Devices Directive 93/42/EEC

EN ISO 9001  
EN ISO 13485



Keep away from sunlight



Do not use if package damaged



Caution, consult accompanying documents

Do not reuse



Do not resterilize



Method of sterilization using radiation

STERILE R

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The Netherlands



PROSTHETICS  
CONICAL PLATFORM

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ABUTMENTS



Healing Cap Abutments



Collar Height	Ø 3.8 mm	Ø 4.6 mm	Ø 5.8 mm
2 mm	MPN-8102	MPR-7102	
3 mm	MPN-8103	MPR-7103	MPW-7503
4 mm	MPN-8104	MPR-7104	MPW-7504
5 mm	MPN-8105	MPR-7105	MPW-7505
6 mm	MPN-8106	MPR-7106	MPW-7506
7 mm	MPN-8107	MPR-7107	

\* Titanium Alloy (Ti 6Al-4V ELI) hand tighten with the 1.25 hex driver.

Titanium Cover Screws



Length	Ø 2.3 mm	Ø 2.8 mm	Ø 3.8 mm
4.5 mm	MPN-S010		
5.0 mm		MPR-S010	
6.7 mm			MPW-S010
Thread	M1.4	M1.6	M2

\* Titanium Alloy (Ti 6Al-4V ELI) hand tighten with the 1.25 hex driver.

\* For use during submerged hand. Included with the implant.

Abutment Screw



Length	Ø 2.3 mm	Ø 2.8 mm	Ø 3.8 mm
7.5 mm	MPN-S030		
8.25 mm		MPR-S030	
8.7 mm			MPW-S030
Thread	M1.4	M1.6	M2

\* Use the 1.25 mm hex driver.

\* Final torque - RP,WP 30 Ncm.

\* Final torque for NP 20 Ncm.

\* Packaged with all abutments.

\* Titanium Alloy - Ti 6Al-4V ELI.



Titanium Straight Abutments



Height	Ø 3.8 mm	Ø 4.8 mm	Ø 5.8 mm
9 mm	MPN-8000	MPR-8000	MPW-8000
	Collar Height 1.5 mm	Collar Height 1.5 mm	Collar Height 1.5 mm

Premium Straight Abutments



Height	Ø 4.8 mm	Ø 4.8 mm	Ø 4.8 mm
7.5 mm	MPN-8036	MPR-8036	MPW-8036
	Collar Height 1.5 mm	Collar Height 1.5 mm	Collar Height 1.5 mm

Anatomic Straight Abutments



Collar Height	Ø 3.85 mm	Ø 4.6 mm	Ø 5.8 mm
1 mm	MPN-9001	MPR-9001	MPW-9001
2 mm	MPN-9002	MPR-9002	MPW-9002
3 mm	MPN-9003	MPR-9003	MPW-9003
4 mm	MPN-9004	MPR-9004	MPW-9004

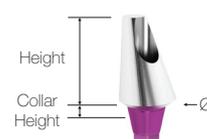
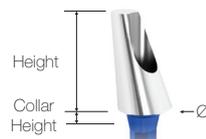
\* Final torque - RP, WP 30 Ncm.  
 \* Final torque for NP 20 Ncm.

- Used for cement retained without, single or multiple prosthetic units.
- Titanium Alloy (Ti 6Al-4V ELI).
- Packaged with abutment screw MPN-S030 / MPR-S030 / MPW-S030.

ABUTMENTS

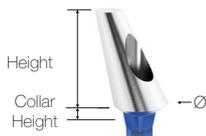
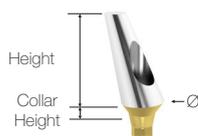


Angulated Abutments 15°



Height	Ø 3.8 mm	Ø 4.7 mm	Ø 5.8 mm
9 mm	MPN-8115	MPR-8115	MPW-8115
	Collar Height 1mm	Collar Height 1mm	Collar Height 1mm

Angulated Abutments 25°



Height	Ø 3.8 mm	Ø 4.8 mm	Ø 6.8 mm
9 mm	MPN-8125	MPR-8125	MPW-8125
	Collar Height 1mm	Collar Height 1mm	Collar Height 1mm

Anatomic Angulated Abutments 15°



Collar Height	Ø 3.9 mm	Ø 4.9 mm	Ø 6 mm
1 mm	MPN-9115	MPR-9115	MPW-9115
2 mm	MPN-9215	MPR-9215	MPW-9215
3 mm	MPN-9315	MPR-9315	MPW-9315
4 mm	MPN-9415	MPR-9415	MPW-9415

\* Lingual step increases up to 1mm.

\* Final torque - RP,WP 30 Ncm.

\* Final torque - NP 20 Ncm.

- Used for cement retained without, single or multiple prosthetic units.
- Titanium Alloy (Ti 6Al-4V ELI).
- Packaged with abutment screw MPN-S030 / MPR-S030 / MPW-S030.



Anatomic Angulated Abutments 25°



Collar Height	Ø 3.9 mm	Ø 4.9 mm	Ø 6 mm
1 mm			MPW-9125
2 mm	MPN-9225	MPR-9225	MPW-9225
3 mm	MPN-9325	MPR-9325	MPW-9325
4 mm	MPN-9425	MPR-9425	MPW-9425

- \* Lingual step increases up to 1mm.
- \* Used for cement retained, single or multiple prosthetic units.
- \* Packaged with abutment screw MPN-S030/MPR-S030/MPW-S030.
- \* Titanium Alloy (Ti 6Al-4V ELI).
- \* Final torque - RP,WP 30 Ncm.
- \* Final torque - NP 20 Ncm.

Low Profile Abutment Regular Platform



Height	Ø 5.5 mm	Ø 7 mm
11 mm	MPR-0055	MPR-0070
	Collar Height 1.5 mm	Collar Height 1.5 mm

- \* Used for cement retained, single, or multiple prosthetic units.
- \* Packaged with abutment screw MPR-S030
- \* Titanium Alloy (Ti 6Al-4V ELI).
- \* Final Torque 30 Ncm.

ABUTMENTS



Temporary PEEK Abutments

Straight Anatomic Abutment



Collar Height	Ø 3.8 mm	Ø 4.8 mm	Ø 5.8 mm
2 mm	MPN-PA00	MPR-PA00	MPW-PA00

Angulated Anatomic Abutment 15°



Collar Height	Ø 3.8 mm	Ø 4.7 mm	Ø 5.8 mm
2 mm	MPN-PA15	MPR-PA15	MPW-PA15

Angulated Anatomic Abutment 25°



Collar Height	Ø 3.8 mm	Ø 4.7 mm	Ø 5.8 mm
2 mm	MPN-PA25	MPR-PA25	MPW-PA25

\* Final torque - RP, WP 25 Ncm.  
 \* Final torque - NP 20 Ncm.

- Used for cement or screw retained provisional restorations.
- Used for immediate loading single or multiple.
- Packaged with abutment screw MPN-S030 / MPR-S030 / MPW-S030.
- Multiple prosthetic unit.
- PEEK (Polyetheretherketone).



Castable Abutments

Custom Titanium Castable Abutments (UCLA) Hexed



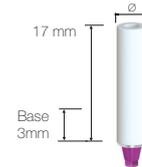
Ø 4 mm

MPN-9700



Ø 4.5 mm

MPR-9700



Ø 5.5 mm

MPW-9700



Ø 4 mm

MPN-9710



Ø 4.5 mm

MPR-9710



Ø 5.5 mm

MPW-9710

Custom CrCo Castable Abutments (UCLA) Hexed



Ø 4 mm

MPN-9701



Ø 4.5 mm

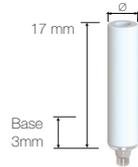
MPR-9701



Ø 5.5 mm

MPW-9701

Custom CrCo Castable Abutments (UCLA) Non Hexed



Ø 4 mm

MPN-9711



Ø 4.5 mm

MPR-9711



Ø 5.5 mm

MPW-9711

\* Final torque - RP, WP 30 Ncm.

\* Final torque - NP 20 Ncm.

- Used for cement or screw retained, single prosthetic units (Hexed), bridge or multiple units (Non Hexed).
- Packaged with abutment screw MPN-S030 / MPR-S030 / MPW-S030.
- Titanium base (Ti 6Al-4V ELI) or Chrome Cobalt base with Delrin sleeve.

ABUTMENTS



Impression Components

Direct Transfer Copings (open tray)



Height	Ø 4 mm	Ø 4.5 mm	Ø 5.2 mm
11 mm	MPN-8060	MPR-8060	MPW-8060

\* Flat slot screw for easy access.

- Packed with compatible screw: MPN-S060/MPR-S060/MPW-S060

Indirect Short Transfer Copings (closed tray)



Height	Ø 3.7 mm	Ø 4.7 mm	Ø 4.7 mm
9 mm	MPN-8080	MPR-8080	MPW-8080

- Packed with compatible screw: MPN-S040/MPR-S040/MPW-S040

Indirect Long Transfer Copings (closed tray)



Height	Ø 3.7 mm	Ø 4.7 mm	Ø 4.7 mm
12 mm	MPN-8085	MPR-8085	MPW-8085

- Packed with compatible screw: MPN-S070/MPR-S070/MPW-S070

\* Final torque - RP,WP 25 Ncm.

\* Final torque - NP 20 Ncm.

- Packed with a compatible screw which is not available separately.
- Used to make an open / closed tray, implant level impression.
- Hand tighten with the 1.25 mm hex driver.
- Titanium Alloy (Ti 6Al-4V ELI).



Implant Analog



Height	Ø 4.2 mm	Ø 4.2 mm	Ø 5 mm
13 mm	MPN-8040	MPR-8040	MPW-8040

Ball Attachment System



Collar Height	Ø 3.8 mm	Ø 3.8 mm	Ø 4.5 mm
1 mm	MPN-6201	MPR-6201	MPW-6201
2 mm	MPN-6202	MPR-6202	MPW-6202
3 mm	MPN-6203	MPR-6203	MPW-6203
4 mm	MPN-6204	MPR-6204	MPW-6204
5 mm	MPN-6205	MPR-6205	MPW-6205
6 mm		MPR-6206	MPW-6206
7 mm		MPR-6207	

- \* Used for retention of removable overdentures.
- \* Titanium alloy (Ti 6Al-4V ELI).
- \* Final torque - RP,WP 30 Ncm.
- \* Final torque - NP 20 Ncm.

Metallic Attachment Housing (Cap)



Diameter Ø	Height	Cat Number
4 mm	2.65 mm	CO-0630

- \* For POM (Polyacetal) housing.
- \* Used for overdentures pickup or soldering.
- \* Titanium alloy (Ti 6Al-4V ELI).
- \* Ball diameter: Ø2.25mm

POM (Polyacetal) Silicon Cap



Color	Description	Cat Number
Yellow	Standard	CO-0620
White	Soft	CO-0621
Red	Hard	CO-0622

- \* For metallic attachment housing CO-0630.

- Used for retention of tissue supported overdenture.

# MULTI-UNIT

The Multi-Unit abutments range features straight bases and bases with angle correction of 18° and 30° and 1-5 mm of collar heights for all implant platforms including narrow implants.

## Multi-Unit Conical Abutments



### Straight Multi-Unit Abutment



Collar Height	Ø 5 mm	Ø 5 mm	Ø 5 mm
1 mm	MPN-5100	MPR-5100	MPW-5100
2 mm	MPN-5200	MPR-5200	MPW-5200
3 mm	MPN-5300	MPR-5300	MPW-5300
4 mm	MPN-5400	MPR-5400	MPW-5400
5 mm	MPN-5500	MPR-5500	MPW-5500

### Angulated Multi-Unit Abutment 18°



Collar Height	Ø 5 mm	Ø 5 mm	Ø 5 mm
1 mm	MPN-5118	MPR-5118	MPW-5118
2 mm	MPN-5218	MPR-5218	MPW-5218
3 mm	MPN-5318	MPR-5318	MPW-5318
4 mm	MPN-5418	MPR-5418	MPW-5418
5 mm	MPN-5518	MPR-5518	MPW-5518

\* Supplied with screw MPN-MUS65 / MPR-MUS65 / MPW-MUS65 + CT-MUP10 (Ang. Multi-Unit holders)

\* Final torque - RP/WP 25 Ncm.

\* Final torque - NP 20 Ncm.

## MULTI-UNIT

### Angulated Multi-Unit Abutment 30°



Collar Height	Ø 5 mm	Ø 5 mm	Ø 5 mm
1 mm	MPN-5130	MPR-5130	MPW-5130
2 mm	MPN-5230	MPR-5230	MPW-5230
3 mm	MPN-5330	MPR-5330	MPW-5330
4 mm	MPN-5430	MPR-5430	MPW-5430
5 mm	MPN-5530	MPR-5530	MPW-5530

\* Supplied with screw MPN-MUS65/MPR-MUS65/ MPW-MUS65 + CT-MUP10 (Ang. Multi-Unit holders)

CONICAL MULTI-UNIT

### Screw for Angulated MultiUnit Abutment



Thread	M1.4	M1.6	M2
	MPN-MUS65	MPR-MUS65	MPW-MUS65

### Transfer for Multi-Unit Abutment

	Diameter Ø	Height	Cat Number
	5 mm	11 mm	MU-5060
	5 mm	9 mm	MU-5080

\* MU-5060 is for open tray. MU-5080 is for close tray.

\* Supplied with screw MU-S060 / MU-S080

### Multi-Unit Abutment Analog

	Diameter Ø	Height	Cat Number
	5 mm	16 mm	MU-8041

## MULTI-UNIT

### Sleeves for Multi-Unit Abutment

	Material / Desc.	Diameter Ø	Height	Cat Number
	Acetal Non Hex	5 mm	12 mm	MU-50PL
	Acetal with Hex	5 mm	12 mm	MU-50SPL
	Titanium Short	5 mm	7 mm	MU-50TS
	Titanium Long	5 mm	12 mm	MU-50TL
	Titanium Healing Cap	5 mm	4.8 mm	MU-50HC

\* All sleeves are supplied with screw MU-S020.

### Screw for Multi-Unit Abutment

		Thread	Cat Number
	Screw for Sleeves	M1.4	MU-S020

\* Final Torque 15 Ncm.

### Multi-Unit Straight Abutments Tighten Key

	Length	Cat Number
	5 mm	CT-MU01
	10 mm	CT-MU00
	15 mm	CT-MU02

### Cad/Cam for Multi-Unit Abutment

		Cat Number
	Scan Body for Multi-Unit	CO-SBMU
	Long Ti-Base for Multi-Unit Abutment.	MU-LTSST
	Short Ti-Base for Multi-Unit Abutment.	MU-STSST
	Screw for Multi-Unit Abutment.	MU-S010
	Screw for Multi-Unit Abutment.	MU-S020

\* CO-SBMU supplied with screw MU-SSB (Hand tightening).  
 \* MU-LTSST supplied with screw MU-S020.  
 \* MU-STSST supplied with screw MU-S010.



# INTERNAL HEX PLATFORM

## CORTEX IMPLANT PACKAGING

**Implant premium set** The product is covered by one or more of the following US patents: US 8827702

\* The Prime package refers to Conical & Hexagonal implants, however, the Premium packages refers to Hexagonal implants only.



### Pre Assembled Implant and Abutment

- Direct Mounting of Implant and Abutment (Carrier)



### Direct Mounting of Implant and Abutment (Carrier)

- The most sterile way to extract the implant from its case and transfer it to its location.
- Time-saving and easy to use transferring system.



### Transfer / Impression Coping

After mounting the sturdy transfer, the device is easily separated into two parts:

- The top which can be disposed of.
- The impression coping which is used as part of the implantation procedure.



### Mount / Transfer

- Disposable Transfer Top
- Transfer



### Surgical Strategies

Allows the implantologists to adopt any implantation strategy during the procedure:

- Two stages (submerge).
- One stage- Metal healing cap.
- Plastic healing cap / Immediate loading.
- Immediate impression.

### Cost Effective - 6 Elements in One Packaging

- Cover screw.
- Plastic healing cap.
- Titanium healing cap.
- Transfer.
- Abutment.
- Implant.

### Premium Implant Set Package

Product Description	Cat Number
Premium Transfer Connector	*PK-N005
Premium Straight Abutment	CO-8036
Screw for Abutment	CO-S030
Dental Implant	
Healing Cap Plastic	*PK-N007
Healing Cap 3mm	CO-7103
Surgical Cover Screw	*CS-0010

\* Not available separately

## Implant prime set



### Prime Implant Set Package (non touch)

Product Description	Cat Number
Dental Implant	
Surgical Cover Screw	*CS-0010



IMPLANTS  
INTERNAL HEX PLATFORM

# DYNAMIX

**Best preservation of bone quantity and improved bone quality**



### Dynamix Dimensions Premium Package

Diameter Ø mm	Hex [mm]	A [mm]	B [mm]	L = 6 mm	L = 8 mm	L = 10 mm	L = 11.5 mm	L = 13 mm	L = 16 mm
3.3	2.45	1.6	3.0			PCSD-1033	PCSD-1133	PCSD-1333	PCSD-1633
3.8	2.45	2.0	3.4		PCSD-0838	PCSD-1038	PCSD-1138	PCSD-1338	PCSD-1638
4.2	2.45	2.4	3.8	PCSD-0642	PCSD-0842	PCSD-1042	PCSD-1142	PCSD-1342	PCSD-1642
5.0	2.45	3.2	4.6	PCSD-0650	PCSD-0850	PCSD-1050	PCSD-1150	PCSD-1350	
6.0	2.45	4.2	5.6	PCSD-0660	PCSD-0860	PCSD-1060	PCSD-1160	PCSD-1360	

### Dynamix Dimensions Prime Package

3.3	2.45	1.6	3.0			BCSD-1033	BCSD-1133	BCSD-1333	BCSD-1633
3.8	2.45	2.0	3.4		BCSD-0838	BCSD-1038	BCSD-1138	BCSD-1338	BCSD-1638
4.2	2.45	2.4	3.8	BCSD-0642	BCSD-0842	BCSD-1042	BCSD-1142	BCSD-1342	BCSD-1642
5.0	2.45	3.2	4.6	BCSD-0650	BCSD-0850	BCSD-1050	BCSD-1150	BCSD-1350	
6.0	2.45	4.2	5.6	BCSD-0660	BCSD-0860	BCSD-1060	BCSD-1160	BCSD-1360	

### Recommended for:

All procedures. Positions: maxilla & mandible. Ideal for D2-D4 bone types.

### Excellent Bone Cutting Capacity

- Narrow, long and sharp apical starting thread.
- Bone preservation.
- Easy bone penetration.
- Precise cutting.
- Milling cutting edges.
- Sharp and precise bone cutting.
- Ability to change penetration angle during implantation in case of incorrect pre-drilling.
- Self-drilling, self-tapping.

# CLASSIX

Ideal bone to implant contact



### Classix Dimensions Premium Package

Diameter Ø mm	Hex [mm]	A [mm]	B [mm]	L = 6 mm	L = 8 mm	L = 10 mm	L = 11.5 mm	L = 13 mm	L = 16 mm
3.3	2.45	1.8	2.75			PCSC-1033	PCSC-1133	PCSC-1333	PCSC-1633
3.8	2.45	2.2	3.2		PCSC-0838	PCSC-1038	PCSC-1138	PCSC-1338	PCSC-1638
4.2	2.45	2.6	3.6	PCSC-0642	PCSC-0842	PCSC-1042	PCSC-1142	PCSC-1342	PCSC-1642
5.0	2.45	3.4	4.4	PCSC-0650	PCSC-0850	PCSC-1050	PCSC-1150	PCSC-1350	
6.0	2.45	4.4	5.4	PCSC-0660	PCSC-0860	PCSC-1060	PCSC-1160	PCSC-1360	

### Classix Dimensions Prime Package

Diameter Ø mm	Hex [mm]	A [mm]	B [mm]	L = 6 mm	L = 8 mm	L = 10 mm	L = 11.5 mm	L = 13 mm	L = 16 mm
3.3	2.45	1.8	2.75			BCSC-1033	BCSC-1133	BCSC-1333	BCSC-1633
3.8	2.45	2.2	3.2		BCSC-0838	BCSC-1038	BCSC-1138	BCSC-1338	BCSC-1638
4.2	2.45	2.6	3.6	BCSC-0642	BCSC-0842	BCSC-1042	BCSC-1142	BCSC-1342	BCSC-1642
5.0	2.45	3.4	4.4	BCSC-0650	BCSC-0850	BCSC-1050	BCSC-1150	BCSC-1350	
6.0	2.45	4.4	5.4	BCSC-0660	BCSC-0860	BCSC-1060	BCSC-1160	BCSC-1360	

### Recommended for:

All clinical situations and all bone types.

### Excellent Bone Penetration Capabilities

- Narrow, long and sharp apical starting thread.
- Two thread beginnings and three milling cutting edges.
- Easy bone penetration.
- Precise cutting and Self-tapping.
- Improved bone condensation.
- Bone preservation.

HEXAGONAL IMPLANTS

# SATURN

**The ultimate implant for post extraction immediate loading**



\* The same prosthetic platform. C=Ø 3.5mm

Designed by Dr. Zvi Laster DMD

### Saturn Dimensions Premium Package

Diameter Ø [mm]	Hex [mm]	A [mm]	B [mm]	D [mm]	L = 8 mm	L = 10 mm	L = 11.5 mm	L = 13 mm	L = 16 mm
3.8	2.45	2.0	3.4	5.3	PST-0838	PST-1038	PST-1138	PST-1338	PST-1638
4.2	2.45	2.4	3.8	6	PST-0842	PST-1042	PST-1142	PST-1342	PST-1642

### Saturn Dimensions Prime Package

3.8	2.45	2.0	3.4	5.3	BST-0838	BST-1038	BST-1138	BST-1338	BST-1638
4.2	2.45	2.4	3.8	6	BST-0842	BST-1042	BST-1142	BST-1342	BST-1642

## Saturn Implant

Especially suited for immediate loading after extraction, Saturn's "wings" provide substantial initial stability, reducing stress distribution at the alveolar cortex and optimize esthetic restoration. Primary stability of Saturn implant in the empty socket is over 40 Ncm, enabling the immediate placement of esthetic temporary crowns. Saturn is also suitable for cases of open and closed sinus grafting. Expanded diameter threads provide excellent initial stability, even if the residual crestal height is low as only 3 or 4 mm. Furthermore, the Saturn is suitable for implantation for lower premolar and molar extraction sites, when there is adequate room (14 mm mesio-distal).

## Greater Bone to Implant Contact (BIC)

Bone to Implant Contact (BIC) is often reduced by up to 50% in extraction sites. Saturn, with its wings, considerably enhances BIC, mechanical torsional support, and overall stability.

## Saturn Reduces Displacement and Stress Distribution

Reduced stress distribution at the neck of the implant may prevent bone loss after loading. Finite Element Analysis demonstrates that the added wings considerably reduce stress distribution at the implant neck, thus reducing the potential for bone loss at the crest.

# SMART 1PIECE

**Best preservation of bone quantity and improved bone quality**



Smart 1Piece Dimensions Premium Package

Diameter Ø mm	L = 10 mm	L = 11.5 mm	L = 13 mm	L = 16 mm
3.0	CP-1030	CP-1130	CP-1330	CP-1630
3.3	CP-1033	CP-1133	CP-1333	CP-1633

The Smart 1Piece is a threaded, self-tapping, one piece implant with an integrated abutment designed for one stage surgical procedure and cemented restorations. The Smart 1Piece is designed especially for narrow ridges, and tight spaces, for placement with small bone width and small prosthetic spaces.

- Smart 1Piece uniquely designed features include compress threads for immediate engagement.
- The Smart 1Piece is suitable for all bone types and for immediate loading.
- The insertion of Smart 1Piece implant is a quick and simple one stage procedure.

Due to their innovative geometries and advanced surface morphology, these unique implants offer high initial stability. They can be used to restore single crowns and anterior cemented bridges. The Smart 1Piece is available in two diameters 3.0 mm and 3.3 mm and has varying heights of 10 mm, 11.5 mm, 13 mm and 16 mm.

LABELING

Capsule Diameter Color Coding



Ø3.3 mm



Ø3.8 mm



Ø4.2 mm



Ø5.0 mm



Ø6.0 mm

**CORTEX**  
**DYNAMIX**  
**L.10 Ø4.2**  
**Qty: 1**  
**LOT: WO139956**  
 PCSD-1042  
 2016-12 2021-12  
**STERILE R** RxOnly

Length of the implant → L.10  
 Diameter of the implant → Ø4.2  
 Diameter of the implant → Ø4.2  
 LOT/Batch number → LOT: WO139956  
 Catalog number → PCSD-1042  
 Manufacture date (YYYY-MM) → 2016-12  
 Expiration date (YYYY-MM) → 2021-12

Marks on Package

Cortex products carry the CE mark and fulfill the requirements of the Medical Devices Directive 93/42/EEC

EN ISO 9001  
 EN ISO 13485

**CE**  
 2797

Keep away from sunlight

Do not reuse

Do not resterilize

Method of sterilization using radiation

**STERILE R**

Do not use if package damaged

Caution, consult accompanying documents

**Manufacturer:**

Cortex Dental Implants industries Ltd.  
 Shlomi Industrial Zone, 26 ya'ara st., Shlomi 22832 Israel.  
 Tel: +972-4-987-3970, Fax: +972-4-987-3972  
 www.cortex-dental.com



EMERGO EUROPE  
 Prinsessegracht 20  
 2514 AP The Hague  
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PROSTHETICS  
INTERNAL HEX PLATFORM

ABUTMENTS

Healing Cap Abutments



Narrow



Standard



Wide

Collar Height	Ø 3.8 mm	Ø 4.7 mm	Ø 6 mm
2 mm	CO-8102	CO-7102	
3 mm	CO-8103	CO-7103	CO-7503
4 mm	CO-8104	CO-7104	CO-7504
5 mm	CO-8105	CO-7105	CO-7505
6 mm	CO-8106	CO-7106	CO-7506
7 mm	CO-8107	CO-7107	

\* Hand Tightening with the 1.25 hex driver.

Titanium Anatomic Abutments



Premium



Straight



Angulated 15°



Angulated 25°

Collar Height	Ø 4.8 mm	Ø 4.7 mm	Ø 5.3 mm	Ø 5.3 mm
1 mm		CO-9001	CO-9115	CO-9125
1.5mm	CO-8036			
2 mm		CO-9002	CO-9215	CO-9225
3 mm	CO-8037	CO-9003	CO-9315	CO-9325
4 mm		CO-9004	CO-9415	CO-9425

\* Lingual step increasing up to 1 mm.

Titanium Abutments



Wide



Straight



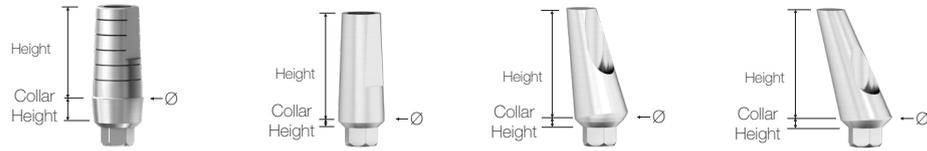
Angulated 15°



Angulated 25°

Height	Ø 6 mm	Ø 4.7 mm	Ø 4.7 mm	Ø 4.7 mm
9 mm	CO-8200	CO-8000	CO-8015	CO-8025
12 mm		CO-8100	CO-8115	CO-8125
	Collar Height 1 mm	Collar Height 1 mm	Collar Height 1 mm	Collar Height 1.5 mm

Titanium Slim Abutments



	Straight with Collar	Narrow	Angulated 15°	Angulated 25°
Collar Height	∅ 4.4 mm	∅ 3.8 mm	∅ 3.8 mm	∅ 3.8 mm
1 mm	CO-8111	CO-8028 CO-8029 CO-8031	CO-8032	CO-8033
2 mm	CO-8112			
3 mm	CO-8113			
4 mm	CO-8114			
Height				
5 mm		CO-8028		
7 mm	CO-8111	CO-8029		
	CO-8112			
	CO-8113			
	CO-8114			
9 mm		CO-8031	CO-8032	CO-8033

\* For narrow areas or narrow emergence profiles.

- Used for cement retained, single, or multiple prosthetic units.
- Titanium Alloy (Ti 6Al-4V ELI).
- Packaged with abutment screw CO-S030.
- Final Torque 30 Ncm.
- Compatible for implant 3.3, 3.8, 4.2, 5, 6 mm.

ABUTMENTS

Temporary Anatomic Abutments PEEK



Straight



Angulated 15°



Angulated 25°

Collar Height	Ø 5.2 mm	Ø 5.2 mm	Ø 5.2 mm
3 mm	CO-PA003	CO-PA153	CO-PA253

- Used for cement or screw retained provisional restorations.
- Used for immediate or delayed loading for single or multiple prosthetic units.
- Packaged with abutment screw CO-SO30.
- Final torque 25Ncm.
- PEEK (Polyetheretherketone).

Castable Anatomic Acetal Abutments



Straight



Angulated 15°



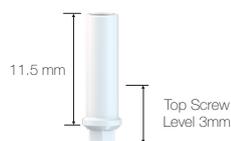
Angulated 25°

Collar Height	Ø 5 mm	Ø 5 mm	Ø 5 mm
1 mm	CO-AA001	CO-AA151	CO-AA251
2 mm	CO-AA002	CO-AA152	CO-AA252
3 mm	CO-AA003	CO-AA153	CO-AA253

Custom Castable Abutments



Wide



Narrow



Cobalt Chromium



Titanium

Ø 4.9 mm	Ø 4.5 mm	Ø 4.5 mm	Ø 4.5 mm
CO-5010 Hex	CO-5020 Hex	CO-9701 Hex	CO-9700 Hex
CO-5030 Non Hex	CO-5000 Non Hex	CO-9711 Non Hex	CO-9710 Non Hex

\* Chrome cobalt base with Delrin sleeve.

\* Titanium base with Delrin sleeve.

- Used for cement or screw retained, single prosthetic units.
- Acetal (burn-out plastic).
- Packaged with abutment screw CO-SO30.
- Final torque 30 Ncm.

Zirconia Aesthetic Abutments



Straight



Angulated 15°



Angulated 25°

Collar Height	Ø 4.7 mm	Ø 5.3 mm	Ø 5.3 mm
0.5 mm	CO-ZA000	CO-ZA150	CO-ZA250
1 mm	CO-ZA001	CO-ZA151	CO-ZA251
2 mm	CO-ZA002	CO-ZA152	CO-ZA252

- Used for cement retained restorations, single or multiple prosthetic units.
- Yttria partially stabilized tetragonal zirconia.
- Packaged with abutment screw CO-S030.
- Final Torque 25 Ncm.

Aesthetic Connection Abutment



Diameter Ø	Collar Height	Cat Number
4.7 mm	0.5 mm	CO-6105
4.7 mm	1.5 mm	CO-6115
4.7 mm	2.5 mm	CO-6125

\* Packaged with compatible screw based upon collar height.

Screw for Aesthetic Connection Abutment		
10.4 mm	Supplied with CO-6105	CO-S060
10.8 mm	Supplied with CO-6115	CO-S061
12 mm	Supplied with CO-6125	CO-S062

\* Not available separately.

Plastic Sleeve for Aesthetic Connection Abutment		
 Hex	Aesthetic connection Abutment	CO- 6605
 Non Hex	Aesthetic connection Abutment	CO- 6606

\* Acetal (burn-out plastic). Height and geometry customizable.

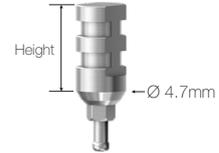
- Used for multiple-unit restorations at the abutment level, cast alloy bars for overdentures and fixed/detachable restorations.
- Titanium alloy (Ti 6Al-4V ELI).
- Final Torque 30 Ncm.

ABUTMENTS

Impression Components



Indirect Transfer Copings (Open tray)



Direct Pick-up Snap Copings (closed tray)

Height	Cat. Number	Cat. Number
9 mm	CO-8060	CO-8050
13 mm	CO-8065	CO-8055

\* Packaged with Compatible screw CS-8065.  
\* Used to make an open tray, implant level impression.

\* Snap-on technique.



Indirect Short Transfer Copings (closed tray)



Indirect Transfer Copings (closed tray)

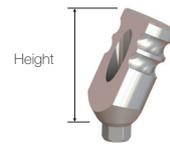
Diameter Ø	Cat. Number	Cat. Number
3.8 mm	CO-8070	CO-8075
4.7 mm	CO-8080	CO-8085

\* Packaged with CO-S040 screw.

\* Packaged with CO-S070 screw.



Angulated Transfer 15°



Angulated Transfer 25°

Height	Cat. Number	Cat. Number
10 mm	CO-8071	CO-8072

\* Used for closed tray impression when implants are tilted.  
\* Packaged with abutment screw CO-S030.

- Hand tighten with 1.25 mm hex driver.
- Compatible to all implant level components with a 3.5 platform.

Analogs



One Piece Analog

CO-8049

\* Compatible to Smart 1Piece implants only.



Abutment Analog

CO-8047

\* Compatible to premium abutment only  
CO-8036.  
\* For abutment level impressions.



Implant Analog

CO-8040

\* Compatible to all implant level components  
with a 3.5 platform.

Titanium Screws

Abutment Screw Long (7.8 mm)



Length	Ø	Cat. Number
7.8 mm	2.1 mm	CO-S030

- \* Fits all abutments.
- \* Used with 1.25 mm hex driver.
- \* Packaged with all abutments.
- \* Final torque 30 Ncm.
- \* Titanium Alloy - Ti 6Al-4V ELI.



Cover Screw
CS-0010

- \* Fits all internal hex connection Implants.

ABUTMENTS

Ball Attachment System

Ball Attachment



Collar Height	Cat Number
1 mm	CO-6201
2 mm	CO-6202
3 mm	CO-6203
4 mm	CO-6204
5 mm	CO-6205
6 mm	CO-6206

- \* Used for retention of removable overdentures.
- \* Titanium alloy (Ti 6Al-4V ELI).
- \* Final Torque 20 Ncm.

Metallic Attachment Housing (Cap)



Ø	Hight	Cat Number
5 mm	3 mm	CO-6030

- \* For POM (Polyacetal) housing.
- \* Used for overdentures pickup or soldering.
- \* Stainless steel.

POM (Polyacetal)



Color	Description	Cat Number
Transparent	Standard	CO-6020
Pink	Soft	CO-6021
Yellow	Extra soft	CO-6022

# MULTI-UNIT

The Multi-Unit abutments range features straight bases and bases with angle correction of 18° and 30° and 1-5 mm of collar heights for all implant platforms including narrow implants.

## Multi-Unit Hex Abutments



Straight



Angulated 18°



Angulated 30°

Collar Height	Ø 5 mm	Ø 5 mm	Ø 5 mm
1 mm	CO-5100	CO-5118	CO-5130
2 mm	CO-5200	CO-5218	CO-5230
3 mm	CO-5300	CO-5318	CO-5330
4 mm	CO-5400	CO-5418	CO-5430
5 mm	CO-5500	CO-5518	CO-5530

\* All angulated Multi-Unit abutments are supplied with screw CO-MUS65+CT-MUP10.

## Sleeves for Multi-Unit Abutment

	Material	Diameter Ø	Height	Cat Number
	Acetal Non Hex	5 mm	12 mm	MU-50PL
	Acetal with Hex	5 mm	12 mm	MU-50SPL
	Titanium Short	5 mm	7 mm	MU-50TS
	Titanium Long	5 mm	12 mm	MU-50TL
	Healing Cap	5 mm	4.8 mm	MU-50HC

\* All sleeves are supplied with screw MU-S020.

## Transfer for Multi-Unit Abutment

	Diameter	Height	Cat Number
	5 mm	11 mm	MU-5060
	5 mm	9 mm	MU-5080

\* MU-5060 is for open tray. MU-5080 is for close tray.

\* Supplied with screw MU-S060/ MU-S080

## Multi-Unit Abutment Analog

	Diameter mm	Height	Cat Number
	5 mm	16 mm	MU-8041

## MULTI-UNIT

### Screw for Multi-Unit Abutment

		Thread	Cat Number
	Screw for Sleeves	M1.4	MU-S020
	Screw for Angulated Abutment	1-72UNF	CO-MUS65

### Multi-Unit Straight Abutments Tighten Key

	Length	Cat Number
	5 mm	CT-MU01
	10 mm	CT-MU00
	15 mm	CT-MU02

### Cad/Cam for Multi-Unit Abutment

		Cat Number
	Scan Body for Multi-Unit	CO-SBMU
	Long Ti-Base for Multi-Unit Abutment.	MU-LTSST
	Short Ti-Base for Multi-Unit Abutment.	MU-STSST
	Screw for Multi-Unit Abutment.	MU-S010
	Screw for Multi-Unit Abutment.	MU-S020

\* CO-SBMU supplied with screw MU-SSB (Hand Tightend).

\* MU-LTSST supplied with screw MU-S020.

\* MU-STSST supplied with screw MU-S010.

# MULTI-UNIT

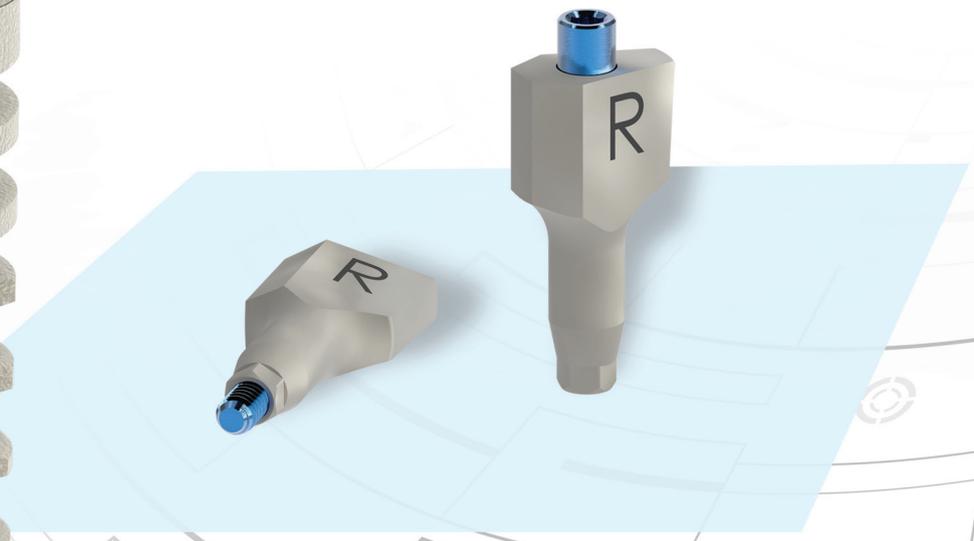


HEXAGONAL MULTI-UNIT

NEW

**CORTÉX**<sup>™</sup>  
The Future of Dental Implants

**DÍGITAL**  
solutions



**CORTÉX**<sup>™</sup>  
The Future of Dental Implants

NEW



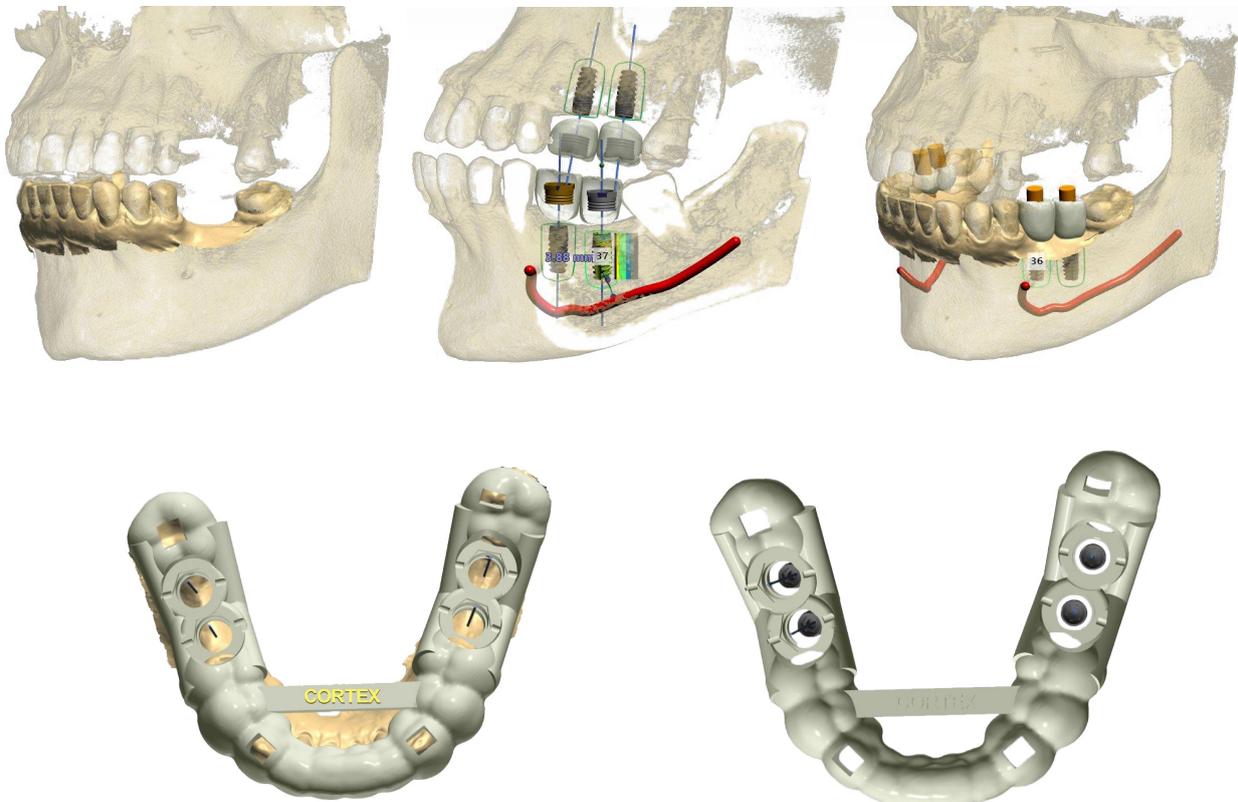
# GUIDED SURGERY



# GUIDED SURGERY

Cortex guided surgery procedure is a technique of guided surgery based on the following principles:

- Fully guided surgical procedure, from virtual implant planning to clinical execution, by using the surgical guide and an advanced Cortex Guided Surgery Kit.
- Management of any type of implant rehabilitation intervention.
- Open system and completely applicable to Cortex implant platforms, and fully integrated with open software for virtual design with laboratory prosthetic modeling of provisional solutions.
- Accurate three-dimensional reproduction of the patient anatomy by integrating digital DICOM data from CBCT and Intra/Extra-Oral optical scans.
- Utilizing certified and validated software programs allows the clinician to develop a complete and precise pre-implant diagnosis, and creates a custom virtual surgical plan, enabling predictable outcomes.
- The latest CAD/CAM technology is used to prepare a virtual wax-up of the prosthetic solution, allowing a prosthetic driven virtual implant planning, as well as surgical guide design and manufacturing.



### Guided Surgical Kit - CK-GS11

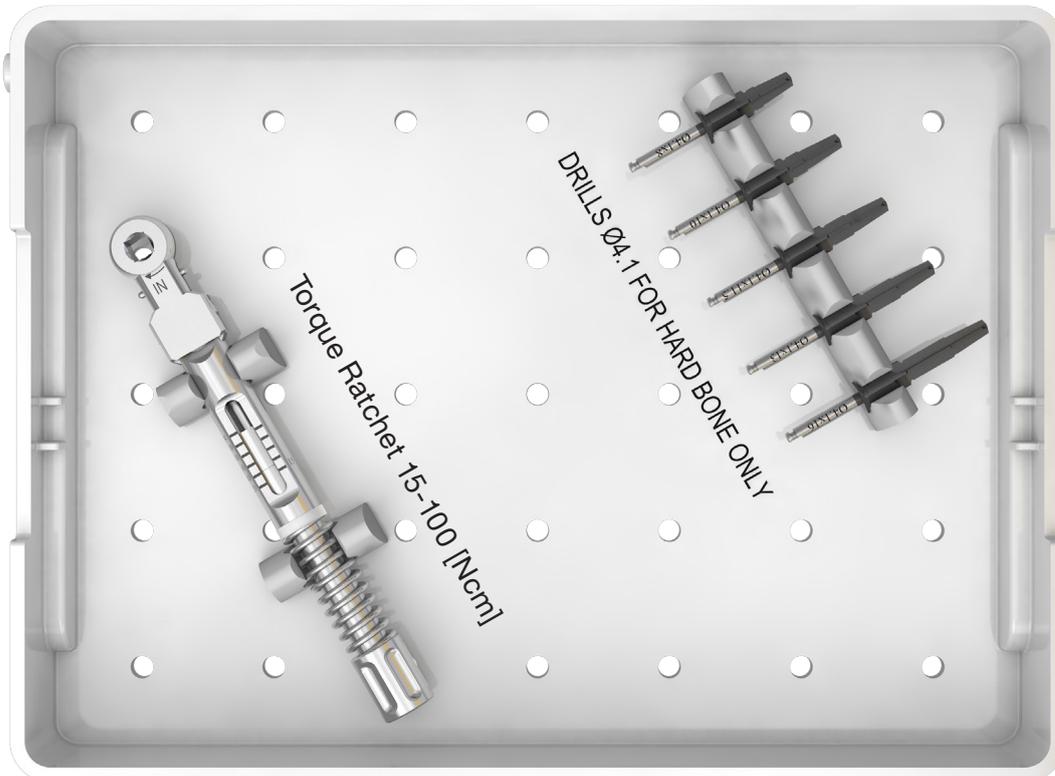
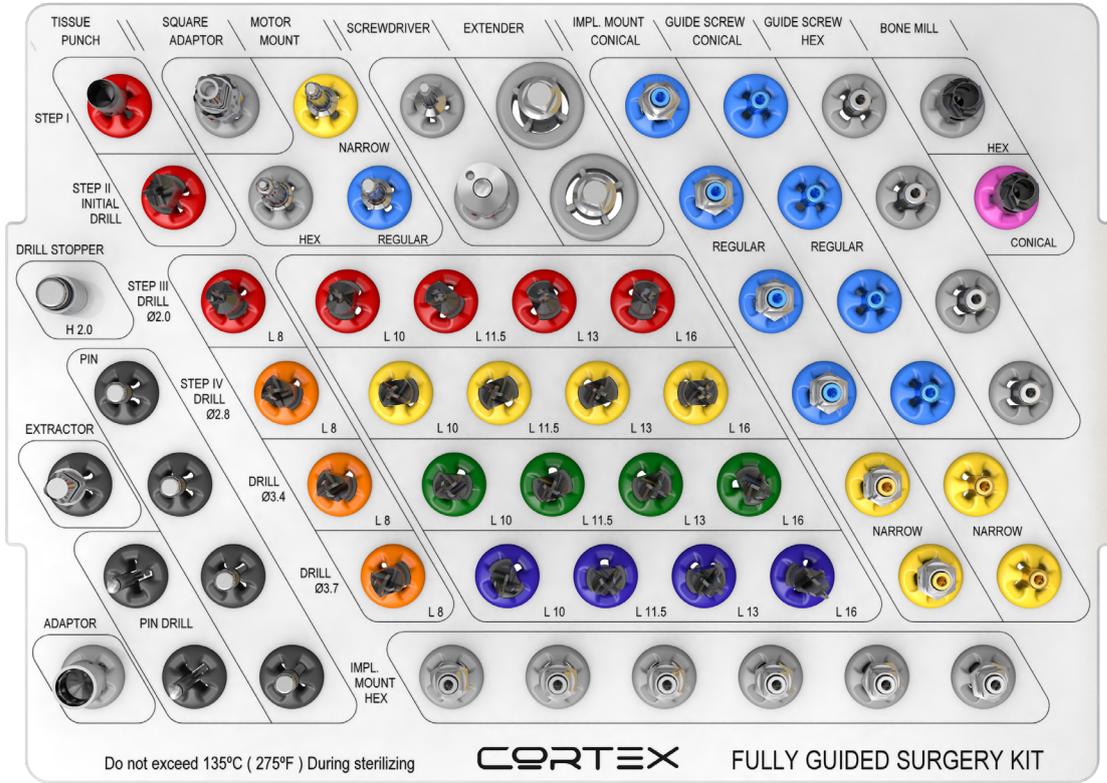
- Advanced drills design featuring: bone preserving geometry and External Irradiation pass to reduce the heat produced during the drilling procedure.
- DLC (diamond-like-coating) to reduce friction, prevent corrosion and extending drills life.
- All components of the surgical workflow features a built-in guiding cylinder and stopper compatible with the sleeves, allowing the clinician to perform a FULLY GUIDED spoon-less procedure.
- High-quality drills, including dedicated dense bone drills set and bone profilers, made by Maillefer Switzerland.
- High quality and easy-in-use prosthetic tools and torque ratchet. Intuitive kit layout, enabling easy-to-use workflow.
- One universal kit for all Cortex implants systems provides a full solution for all clinical constraints.

### From virtual planning to final restoration

- Supported by 3shape, 3Diemme, Dental Wings (under integration process) and Zirkozahn (under integration process) virtual planning software's.
- Digital Lab support from virtual planning to 3D printing or milling of bio-compatible surgical guides.
- High precision 3D printing with 16 - micron slice thickness accuracy.
- Cortex top quality CAD/CAM system provides a full prosthetic solution for temporary and permanent restorations.
- CAD/CAM products range includes: Scan-Bodies, Titanium-Bases, Titanium-Bases for Multi-Units, One-piece Multi Units system and Titanium Pre-Mills.



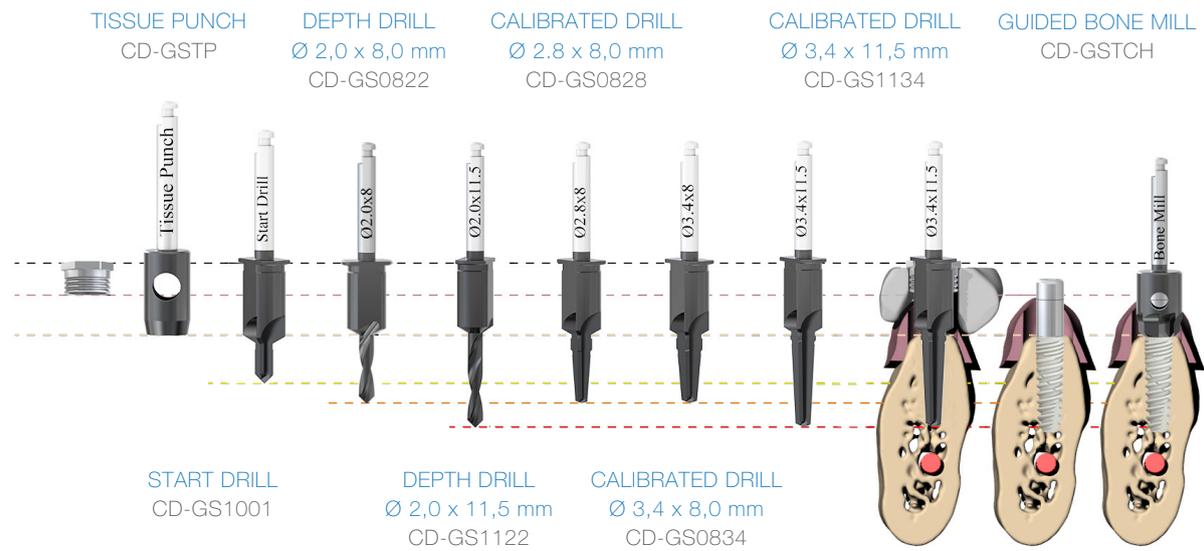
FULLY GUIDED SURGERY KIT CK-GS11 LAYOUT



## IMPLANT SITE PREPARATION

### Preparation Diagram

The preparation diagram of the implant site is shown below as an example for Ø3.8mm, length 11.5mm implant.



## CORTEX GUIDED SURGERY DRILLS AND TOOLS

	Description	Cat Number
<b>Fixation Pin Drill</b>		
	The fixation pin drill cuts at the tip. The drill should pass completely through the sleeve to guarantee a firm pin grip.	CD-GSFP
<b>Fixation Pin</b>		
	The fixation pin fixes the surgical guide into position. The pin must be pushed all the way through the sleeve.	CT-GSFP
<b>Tissue Punch</b>		
	This tool creates a 4.4 mm diameter mucotomy prior to the passage of drills when utilizing a flapless surgical technique.	CD-GSTP
<b>Start Drill</b>		
	The start drill removes the mucosa cut by the mucotomy and prepares the cortical bone for the passage of the first drill.	CD-GS1001
<b>Depth Drills</b>		
	The depth drills guarantee the initial preparation (2.0 mm diameter) of the implant site for 8, 10, 11.5, 13 and 16mm length implants.	CD-GS0822, CD-GS1022, CD-GS1122, CD-GS1322, CD-GS1622
<b>Tapered Drills</b>		
	Tapered drills are used to finalize the implant site preparation according to the implant diameter and length.	CD-GS0828, CD-GS1028, CD-GS1128, CD-GS1328, CD-GS1628, CD-GS0834, CD-GS1034, CD-GS1134, CD-GS1334, CD-GS1634, CD-GS0837, CD-GS1037, CD-GS1137, CD-GS1337, CD-GS1637, CD-GS0841, CD-GS1041, CD-GS1141, CD-GS1341, CD-GS1641.

## CORTEX GUIDED SURGERY DRILLS AND TOOLS

	Description	Cat Number
	<p style="text-align: center;"><b>Drill Stops</b></p> <p>Used to reduce 8mm length drills, allowing fully guided placement of L6mm implants.</p>	<p style="text-align: center;">CD-GSST52</p>
	<p style="text-align: center;"><b>Implant Mount</b></p> <p>The main advantage of Cortex Guided Surgery. Used for FULLY GUIDED Implant insertion without removing the surgical guide.</p> <ul style="list-style-type: none"> <li>• Packed with compatible screw</li> </ul>	<p style="text-align: center;">CO-GS5090 (INT HEX), MPR-GS5090 (REGULAR CONICAL), MPN-GS5090 (NARROW CONICAL)</p>
	<p style="text-align: center;"><b>Implant mount screws</b></p> <p>Implant mount screw Hex Implant mount screw MPN Implant mount screw MPR</p>	<p style="text-align: center;">CO-GSS200 MPN-GSS200 MPR-GSS200</p>
	<p style="text-align: center;"><b>Motor Adaptor</b></p> <p>Connector for guiding the implant mount with surgical handpiece. Max torque 60Ncm.</p>	<p style="text-align: center;">CT-GS400</p>
	<p style="text-align: center;"><b>Short Extension For Ratchet</b></p> <p>Extension for connecting the torque wrench and the implant mount. Max torque 60Ncm.</p>	<p style="text-align: center;">CT-GSS440</p>
	<p style="text-align: center;"><b>Extension For Ratchet</b></p> <p>Long extension for connecting the torque wrench and the implant mount. Max torque 60Ncm.</p>	<p style="text-align: center;">CT-GS440</p>

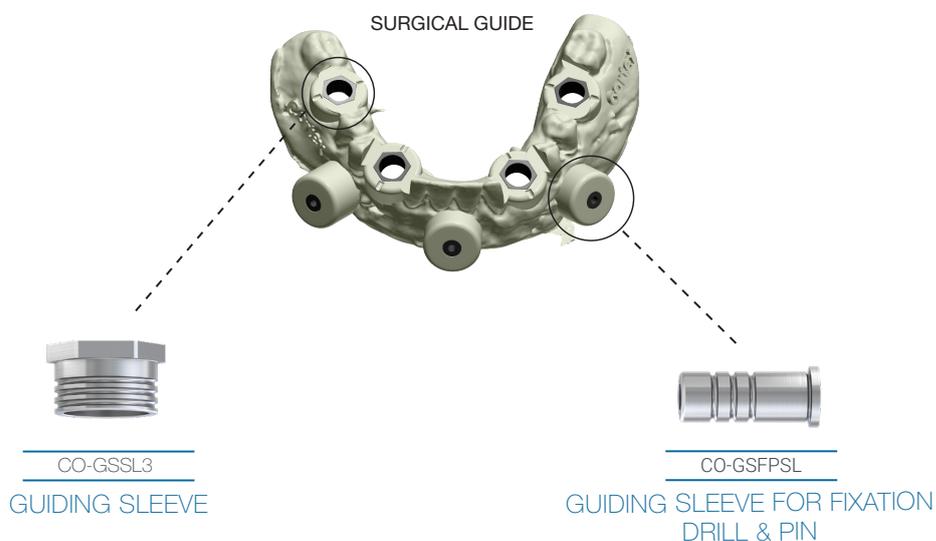
CORTEX GUIDED SURGERY DRILLS AND TOOLS

	Description	Cat Number
<b>HandPiece Screwdriver 1.25 L10mm</b>		
	<p>Handpiece screwdriver for tightening the implant mount screw and other prosthetic screws. Length 10mm.</p>	CT-D110
<b>Manual Screwdriver</b>		
	<p>Manual screwdriver for tightening the implant mount screw and other prosthetic screws.</p>	CT-0220
<b>Handpiece Implant Driver For Direct Implant Interface (Int. HEX)</b>		
	<p>Length 15mm</p>	CT-H215
<b>Handpiece Implant Driver For Direct Implant Interface (Conical Narrow Platform)</b>		
	<p>Length 15mm</p>	MCT-N215
<b>Handpiece Implant Driver For Direct Implant Interface (Conical Regular Platform)</b>		
	<p>Length 15mm</p>	MCT-R215
<b>Square Adaptor</b>		
	<p>Used as an adapter between the handpiece drivers and square ratchet.</p>	CT-0232

## CORTEX GUIDED SURGERY DRILLS AND TOOLS

	Description	Cat Number
<b>Square GS Extractor For Implant Mount</b>		
	<p>Used for removing jammed implant mount from the surgical guide.</p>	<p>CT-GS262</p>
<b>Guide Screws For Bone Mill</b>		
	<p>Used for guiding the bone mills after removing the surgical guide.</p>	<p>CO-GS7000 (INT HEX) MPR-GS7000 (REGULAR CONICAL) MPN-GS7000 (NARROW CONICAL)</p>
<b>Tapered Bone Mill</b>		
	<p>Used to remove the residual crestal bone to make site preparation for the abutments. To be used AFTER removing the surgical guide.</p>	<p>CD-GSTCH (INT HEX) CD-GSTCC (CONICAL)</p>
<b>Torque Ratchet 15-100[Ncm]</b>		
	<p>Used with all applicable components.</p>	<p>CT-0863</p>

## CORTEX GUIDING SLEEVES



## COMPONENTS FOR STONE MODEL ANALOG MANUFACTURING

		Cat Number
Guided Pin Screw For Model Casting		<b>Guided Pin Screw For Model Casting</b> MPR-GSPS(REGULAR CONICAL) MPN-GSPS (NARROW CONICAL) CO-GSPS (INT HEX)
Guiding Sleeve		
Guided Cylinder For Model Casting		<b>Guided Cylinder For Model Casting</b> MPR-GSCL(REGULAR CONICAL) MPN-GSCL (NARROW CONICAL) CO-GSCL (INT HEX)
Implant Analog		

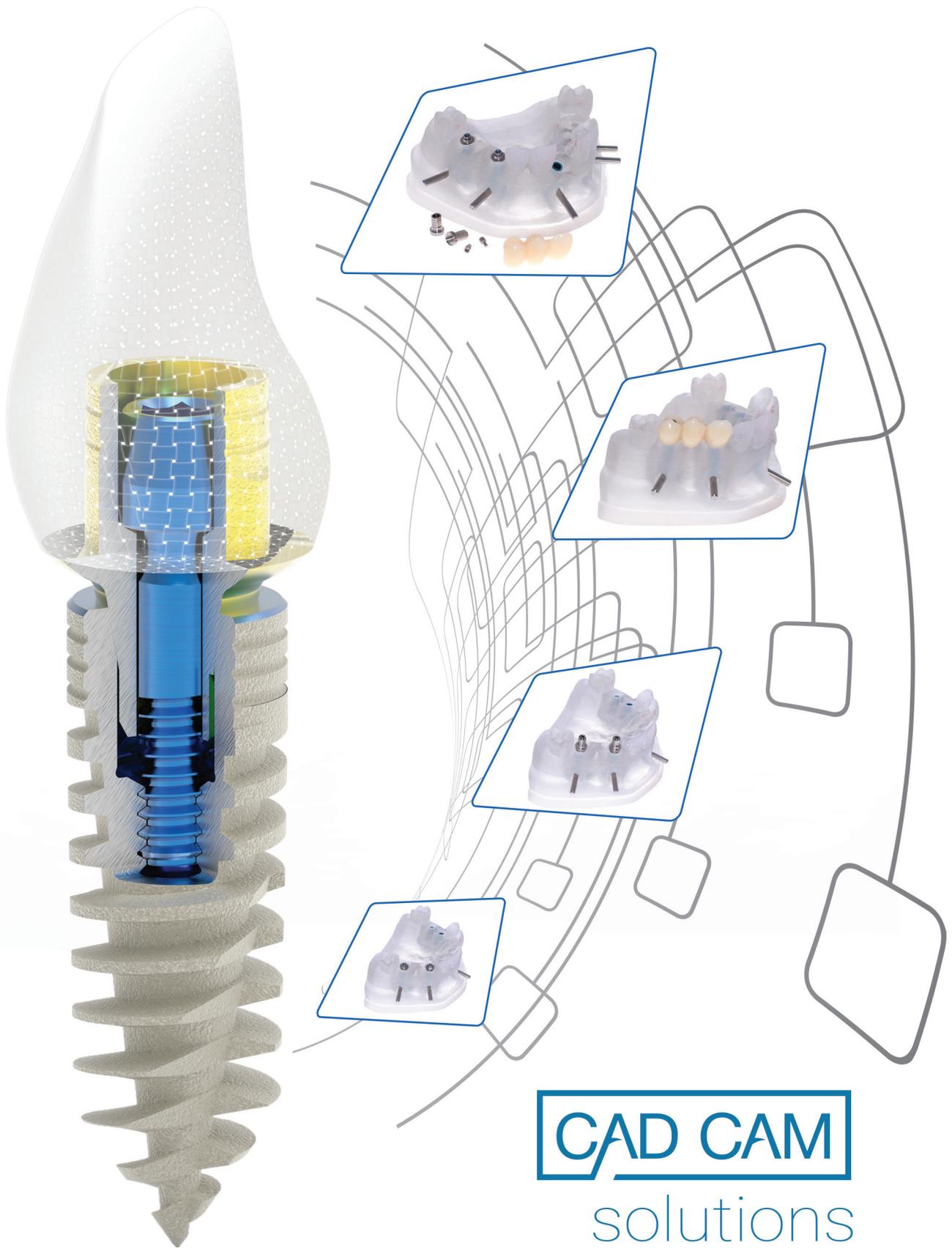




## COMPONENTS FOR DIGITAL MODEL ANALOG

Description	Cat Number
<b>Digital Implant Analogs</b>	
 Digital Implant Analog HEX	CO-8040D
 Digital Implant Analog MPN	MPN-8040D
 Digital Implant Analog MPR	MPR-8040D
 Digital Implant Analog MPW	MPW-8040D
 Digital Implant Analog MU	MU-8041D
<ul style="list-style-type: none"> <li>• Packed with compatible pin CT-FPDA</li> </ul>	
<b>Fixation Pin For Digital Analog</b>	
 Used for fixing the analog inside the digital model.	CT-FPDA





**CAD CAM**

solutions

Digital Dentistry is the art of designing, planning and producing aesthetic and precise dental restorations using virtual software, milling machines and 3D printers. It is becoming a routine in prestige dental practices and laboratories around the world.

Cortex Dental Implants Industries introduces its brand new, top quality CAD/CAM products range, including Scan-Bodies and Titanium-Bases (As well as CEREC compatible Scan posts and Titanium-Bases) for 2.4mm Internal Hex interface and Narrow, Regular and Wide Conical Platforms.

The accuracy and simplicity of Cortex CAD/CAM System plays a major role in creating precise restorations, simple and intuitive workflow and exceptional aesthetic results.

In order to achieve such a high level of components, we established a fully equipped in-house laboratory, featuring state of the art Scanners, 3D printers, Production center and more.

This lab gives us the ability to develop, design and validate our superior quality products, as well as fully support our valuable clients with any issues arising.

## Scan Bodies

Scan Bodies are designed to transfer an ultra-precise location of the implant by means of optical scanning. A digital 3D model of the jaw and the implant is created containing all critical restoration parameters such as: Implant position, Implant's Axis angulation and Hexagon Buccal-Lingual orientation.

Using this 3D model together with CAD/CAM software, designing and producing of Individual Abutments, Screw Retained Crowns and Bridges, Bars and unlimited variations of Frame-Work, becomes intuitive and precise.

## Main characteristics

- Micro-Roughness for enhanced scanning contrast
- Biocompatible – Titanium 6Al4V
- Laser marking for platform identification
- Asymmetrical geometric shape
- Various CAD/CAM systems compatibility
- IntraOral/ExtraOral
- Built in screw

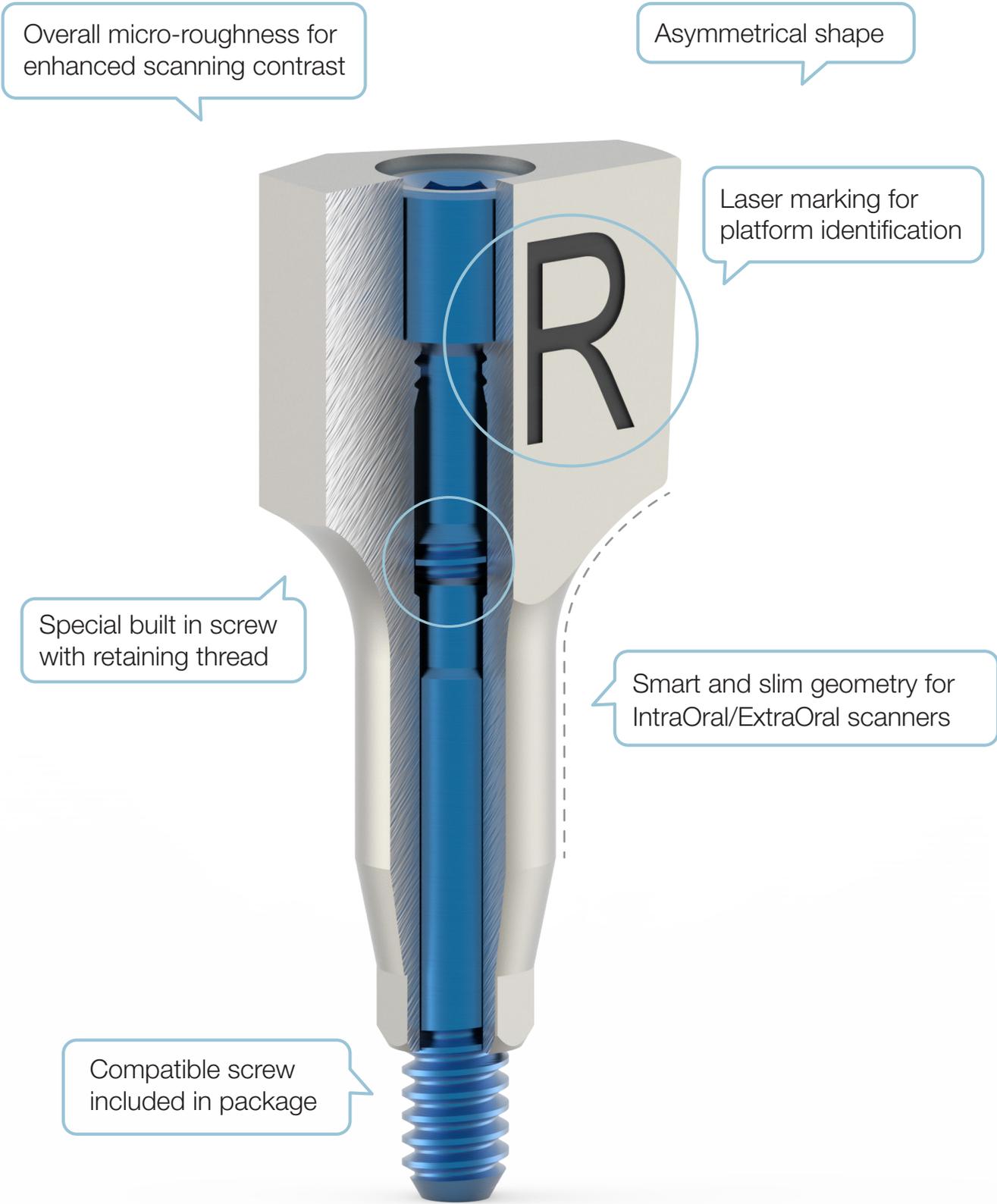
## Titanium Bases

Titanium bases (Ti-Bases) are used as joining structures for ceramic restorations such as: Hybrid-Abutments and Screw Retained Crowns and Bridges. Cortex Ti-Bases are produced in accordance with our strict precision and quality standards, ensuring superior aesthetic results.

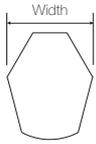
Our Ti-Bases inclusive range, available in different configurations and heights, provides full cover to all restorations techniques and cases for Individual Crowns (Engaged) and Multi-Teeth restorations (Non-Engaged).

Conical connection Ti-Bases include an anodized connecting screw, compatible with the Implant's platform and in accordance with Cortex Conical connection color coding system.

Scan Body

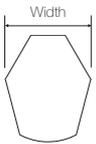


 Internal Hex



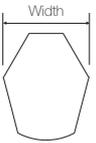
Cat. Number	CO-SBZZ
Width [mm]	5

 Conical Connection



Cat. Number	MPN-SBZZ	MPR-SBZZ	MPW-SBZZ
Width [mm]	4	4	5

 Multi Unit



Cat. Number	CO-SBMU
Width [mm]	5

Scan Body - Screw

Internal Hex

Conical Connection

Multi Unit



Cat. Number	CO-S030	MPN-SSB	MPR-SSB	MPW-SSB	MU-SSB
-------------	---------	---------	---------	---------	--------

- Overall height from Implant top surface = 11mm
- Packed with compatible screw
- Manual Screw Tightening

Ti-Base - Lock (Engaged)

Pre-Machined rings for enhanced Z-Axis retention

Wide range of collar and body sizes

Anti-Rotation Lock aligned with Implant Hex

Seamless connection to crown

Compatible screw included in package



Ti-Base - Screw

Internal Hex

Conical Connection



Cat. Number

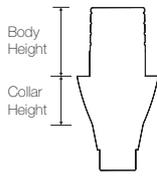
CO-S030

MPN-S030

MPR-S030

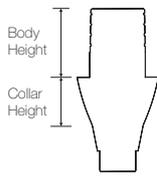
MPW-S030

Internal Hex



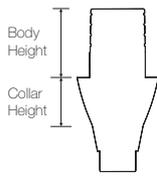
Cat. Number	CO-TBH1	CO-TBH2	CO-TBH3	CO-TBH4
Collar Height [mm]	1	1	3	3
Body Height [mm]	4	6	4	6
Torque [Ncm]	30	30	30	30

Conical Connection



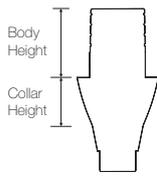
Cat. Number	MPN-TBH1	MPN-TBH2	MPN-TBH3
Collar Height [mm]	1	2	3
Body Height [mm]	4	4	4
Torque [Ncm]	20	20	20

NP



Cat. Number	MPR-TBH1	MPR-TBH2	MPR-TBH3	MPR-TBH4
Collar Height [mm]	1	2	3	4
Body Height [mm]	4	4	4	4
Torque [Ncm]	30	30	30	30

RP



Cat. Number	MPW-TBH1	MPW-TBH2	MPW-TBH3	MPW-TBH4
Collar Height [mm]	1	2	3	4
Body Height [mm]	4	4	4	4
Torque [Ncm]	30	30	30	30

WP

DIGITAL SOLUTIONS

Ti-Base - No Lock (Non Engaged)



Ti-Base - Screw

Internal Hex

Conical Connection



Cat. Number

CO-S030

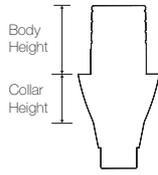
MPN-S030

MPR-S030

MPW-S030



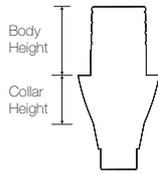
Internal Hex



Cat. Number	CO-TBR1	CO-TBR2	CO-TBR3	CO-TBR4
Collar Height [mm]	1	1	3	3
Body Height [mm]	4	6	4	6
Torque [Ncm]	30	30	30	30

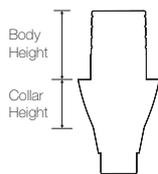


Conical Connection



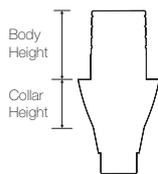
NP

Cat. Number	MPN-TBR1	MPN-TBR2	MPN-TBR3
Collar Height [mm]	1	2	3
Body Height [mm]	4	4	4
Torque [Ncm]	20	20	20



RP

Cat. Number	MPR-TBR1	MPR-TBR2	MPR-TBR3	MPR-TBR4
Collar Height [mm]	1	2	3	4
Body Height [mm]	4	4	4	4
Torque [Ncm]	30	30	30	30

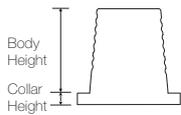


WP

Cat. Number	MPW-TBR1	MPW-TBR2	MPW-TBR3	MPW-TBR4
Collar Height [mm]	1	2	3	4
Body Height [mm]	4	4	4	4
Torque [Ncm]	30	30	30	30



Multi Unit Ti-Base



Cat. Number	MU-STSST	MU-LTSST
Collar Height [mm]	0.3	0.7
Body Height [mm]	4	4
Torque [Ncm]	20	20

Multi-Unit Ti-Base Screw

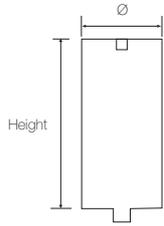


Cat. Number	MU-S010	MU-S020
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Pre-Mill



Internal Hex

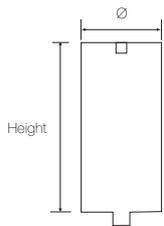


Cat. Number	R9000-R
Height [mm]	20
Diameter [mm]	11.5
Torque [Ncm]	30

- Packed with compatible screw CO-S030



Conical Connection



Cat. Number	S9030-R	S9000-R	S9020-R
Height [mm]	20	20	20
Diameter [mm]	11.5	11.5	11.5
Torque [Ncm]	20	30	30

- Packed with compatible screw

Screws

Internal Hex

Conical Connection



Cat. Number	CO-S030	MPN-S030	MPR-S030	MPW-S030
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Scan Post

CEREC  
Compatible

Internal Hex

Conical Connection



Cat. Number	CO-SPCRC	MPN-SPCRC	MPR-SPCRC	MPW-SPCRC
		• Packed with compatible screw		

Ti-Base - Lock (Engaged)

CEREC  
Compatible

Internal Hex

Conical Connection



Cat. Number	CO-TBCRC	MPN-TBCRC	MPR-TBCRC	MPW-TBCRC
Collar Height [mm]	0.5	1	1	1
Body Height [mm]	4.5	4.5	4.5	4.5
Torque [Ncm]	30	20	30	30
		• Packed with compatible screw		

Ti-Base - No Lock (Non Engaged)

CEREC  
Compatible

Internal Hex

Conical Connection



Cat. Number	CO-TBCRCR	MPN-TBCRCR	MPR-TBCRCR	MPW-TBCRCR
Collar Height [mm]	0.5	1	1	1
Body Height [mm]	4.5	4.5	4.5	4.5
Torque [Ncm]	30	20	30	30
		• Packed with compatible screw		

Screw

Internal Hex

Conical Connection



Cat. Number	CO-S030	MPN-S030	MPR-S030	MPW-S030
-------------	---------	----------	----------	----------



EASY2FIX

Patented

Patented

EASY2FIX

EASY2FIX

### **A Revolutionary Minimally Invasive Implant Integrated System for Edentulous**

Despite advances in preventive dentistry, edentulism is still a major public health problem worldwide.

It has repercussions in self-esteem, eating, and a severe decrease in the patient's quality of life. Most of the aging edentulous population is medically, financially, and anatomically compromised. This doesn't permit the carrying out of a standard conventional implant therapy, nor let implant dentistry serve the community as routinely as required.

Easy2Fix, a unique dental implant system, was developed to overcome surgical trauma, lack of adequate bone volume, and elevated costs, by using small diameter guided implants. Utilizing these implants provides biomechanical enhanced primary stability, allowing immediate and long lasting denture stabilization.

The design has been validated by biomechanical testing and clinical randomized controlled trials published in international journals of implant dentistry.

Its survival rate is 97.8% and bone loss is 0.92 mm after 4 years.

If we eliminate frequent smokers from this study (more than 20 cigarettes/ day) the survival rate reaches 100%.

However, the most relevant publication in 2012, showed how this minimally invasive Easy2Fix System improved people's quality of life.

This system includes a new 3D surgical guide. This three-dimensional implant positioning in bone tissue with standard prefabricated guides does not require computerized scanners.

The procedure takes 15 minutes and there is no recovery period for the patient, allowing immediate function without the typical risks associated with other surgical implants, it provides a very precise standardized protocol, useful for general practitioners and beginners.

The Easy2Fix system, offering the most cost-effective solution in one dentist's session, is the perfect solution for edentulous patients.





CFX-1320

EASY2FIX DENTAL IMPLANT  
Ø2.0mm Length 13mm

A narrow one piece dental Implant with a screw shaped integrated abutment and square anti-rotational element.

The screw shaped abutment is designed for prefabricated bar attachment for implant splinting, or for ball attachment or straight abutment connection for restoration as a single unit.



FX-4000

EASY2FIX CONNECTOR BAR

Prefabricated connection bar for implant splinting, with integrated screws

BCFX-1320

EASY2FIX PRIME SET



PCFX-1320

EASY2FIX PREMIUM SET

The kit includes:

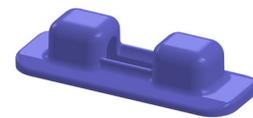
- 2 x Easy2Fix implants CFX-1320
- 1 x Easy2Fix connector bar with integrated screws FX-4000
- 1 x Metallic rider with spacer FX-4032
- 1 x Easy2Fix bar protector FX- 4035
- 1 x Straighteners bar 50mm FX-0714



FX-4032

EASY2FIX BAR RIDER

Metallic rider for denture retention



FX-4035

EASY2FIX BAR PROTECTOR

Silicone bar protector, for undercuts protection during the acrylic relining of the removable prosthesis

## EASY2FIX



FX-6200

EASY2FIX BALL  
ATTACHMENT

Ø2.25mm, H=3.8mm

Used for retention of tissue supported over-dentures. Hand-tighten.



CO-0620

POM (POLYACETAL)  
INSERT STANDARD

For metallic attachment housing CO-0630.



CO-0621

POM (POLYACETAL)  
INSERT SOFT

For metallic attachment housing CO-0630.



CO-0622

POM (POLYACETAL)  
INSERT HARD

For metallic attachment housing CO-0630.



CO-0630

METALLIC ATTACHMENT  
HOUSING

For POM (Polyacetal) housing.



FX-8000

EASY2FIX STRAIGHT  
ABUTMENT

Ø3.2mm, H=5.0mm

Used for cemented restoration as a part of multiple unit restorations. Hand-tighten.



CK-0030

EASY2FIX SURGICAL KIT

The Easy2Fix Surgical Kit, is used for Easy2Fix system placement.

CD-C510 - Easy2Fix start drill 1.5 mm

CD-C515 - Easy2Fix guided spear 1.5 mm

CT-0580 - Square to hex adaptor

CT-0801 - Ratchet with Titanium handle

CT-S110 - Square Driver 1.25 mm L 10 mm

FX-0720 - Easy2Fix 3D Surgi-Guide Tool

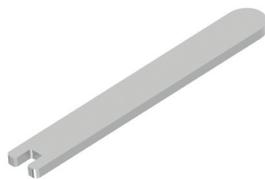
FX-0705 - Easy2Fix Parallel Guide

FX-0320 - Easy2Fix Parallel Guide pin

FX-0300 - Easy2Fix Motor Mount Driver

FX-0321 - Location Pin

FX-0350 - Holding Key



FX-0350

HOLDING KEY

The implant holder for stabilizing the implant while unscrewing the guide pin and for final adjusting of the implant height.



CT-0801

RATCHET

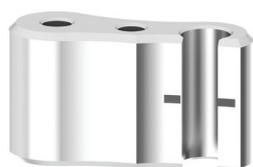
Used for implant installation.



FX-0720

EASY2FIX 3D  
SURGI-GUIDE TOOL

A 3D surgical guide for determination the axial position of the implants with precise distance in between them for bar connection.



FX-0705

EASY2FIX PARALLEL  
GUIDE

Parallel guide for insertion of the second implant to correct vertical position



FX-0320

EASY2FIX PARALLEL  
GUIDE PIN

Screwed on the implant to hold parallel guide FX-0705



FX-0300

EASY2FIX MOTOR  
MOUNT DRIVER  
L=18mm

For installation Easy2Fix implant with contra-angle hand piece or hand wrench



CT-0231

DRIVER ADAPTOR  
FOR RATCHET  
Hex 6.32mm



CT-0580

SQUARE TO HEX  
ADAPTOR



CT-S110

DRIVER 1.25 WITH  
HEX/SQUARE RATCHET  
CONNECTION

Adaptor for hand wrench and  
Easy2Fix motor mount driver  
FX-0300



FX-0714

STRENGTHENING  
BAR 50MM

Flexible bar for lingual  
reinforcing the denture



FX-0321

LOCATION PIN

For fixing the parallel guide  
on the soft tissue



CD-C510

EASY2FIX START DRILL  
Ø 1.5mm



CD-C515

GUIDED DRILL  
Ø 1.5mm



# SURGICAL INSTRUMENTS

**CORTEX**  
The Future of Dental Implants

SURGICAL KITS - INTERNAL HEX

CORKit Basic - CK-0015



Qty.	Cat Number	Qty.	Cat Number	Qty.	Cat Number
1	CT-0410	1	CD-C042	1	CD-1001
1	CT-0413	1	CT-S115	1	CD-5003
1	CT-0801	1	CT-S215	1	CD-5010
		1	CT-0260	1	CD-C038

\* The CORkit basic surgical kit is used for placement of all Cortex's implants with diameters 3 mm, 3.3 mm, 4.2 mm.  
 \* For larger diameters, additional drills are required.

CORKit Prime - CK-0011



Qty.	Cat Number	Qty.	Cat Number	Qty.	Cat Number
1	CT-0252	1	CD-C050	1	CD-1001
1	CT-0254	1	CD-C060	1	CD-5003
1	CT-0260	1	CT-S107	1	CD-5010
1	CT-S262	1	CT-S115	1	CD-5137
2	CT-0410	1	CT-S207	1	CD-5140
1	CT-0801	1	CT-S215	1	CD-5148
		1	CT-0242	1	CD-C038
		1	CT-0250	1	CD-C042

\* CORkit Prime surgical kit is used for placement of all Cortex's implants.

CORKit Premium - CK-0022



Qty.	Cat Number	Qty.	Cat Number	Qty.	Cat Number
1	CT-0260	1	CD-C060	1	CD-1001
1	CT-S262	1	CT-S107	1	CD-5003
2	CT-0410	1	CT-S115	1	CD-5010
1	CT-0705	1	CT-S207	1	CD-5137
1	CT-0510	1	CT-S215	1	CD-5140
1	CT-0710	1	CT-0242	1	CD-5148
1	CT-0801	1	CT-0250	1	CD-C038
1	CT-0413	1	CT-0252	1	CD-C042
		1	CT-0254	1	CD-C050

- Prior to use, clean and sterilize the surgical tray & instruments according to the instructions stated in Appendix 1.
- Surgical assistants should be familiar with all instruments and their purposes.

SURGICAL KITS - CONICAL CONNECTION

Surgical Kit Conical Connection - CK-0060



Qty.	Cat Number	Qty.	Cat Number	Qty.	Cat Number
1	CD-1001	1	CT-0231	1	CT-D115
1	CD-5003	1	CT-0232	1	MCT-N210
1	CD-5010	1	CT-0260	1	MCT-N215
1	CD-5137	1	CT-0410	1	MCT-R210
1	CD-5140	2	CT-0413	1	MCT-R215
1	CD-5148	1	CT-0510C	1	MCT-W210
1	CD-C038	1	CT-0705	1	MCT-W215
1	CD-C042	1	CT-0710		
1	CD-C050	1	CT-0801		
1	CD-C060	1	CT-D110		

\* Prior to use, clean and sterilize the surgical tray & instruments according to the instructions stated in Appendix 1.  
 \* Surgical assistants should be familiar with all instruments and their purposes.

EXTENSION KITS

Hex Surgical Tool Extension Kit - CK-0020



Qty.	Cat Number	Qty.	Cat Number	Qty.	Cat Number
1	CT-0231	1	CT-0232	1	CT-H220
1	CT-H210	1	CT-H215	1	CT-D110

MPN Surgical Tool Extension Kit - CK-0061



Qty.	Cat Number	Qty.	Cat Number	Qty.	Cat Number
1	CT-0231	1	CT-0232	1	CT-D110
1	MCT-N210	1	MCT-N215		

\* The MPN Surgical tool Extension kit is used for placement of Narrow conical implants.  
 \* For larger diameters, additional drills are required.

MPR/MPW Surgical Tool Extension Kit - CK-0062



Qty.	Cat Number	Qty.	Cat Number	Qty.	Cat Number
1	CT-0231	1	CT-0232	1	CT-D110
1	MCT-R210	1	MCT-R215		MCT-W210

\* The MPR/MPW Surgical tool Extension kit is used for placement of Regular & Wide conical implants.

DRILLS

Cortex Stainless steel System Drills

	Description	Cat Number
	Starter drill 1.50 mm	CD-1001
	Pilot Drill = 2.00 mm	CD-5003
	Drill = 2.8 mm	CD-5010
	Conical Drill 3.2 mm for Implant 3.8 mm	CD-C038
	* Drill for bone type D1 Dia 3.7 mm for implant 3.8	CD-5137
	Conical Drill 3.7 mm for Implant 4.2 mm	CD-C042
	* Drill for bone type D1 Dia 4.1 mm for implant 4.2	CD-5140
	Conical Drill 4.3 mm for Implant 5.0 mm	CD-C050
	* Drill for bone type D1 Dia 4.9 mm for implant 5.0	CD-5148
	Conical Drill 5.4 mm for Implant 6.0 mm	CD-C060

\* Required for dense bone type D1, D2.

Cortex Drills System

The special conical drill design enables efficient cutting and bone harvesting for autografting.

Drill Markings

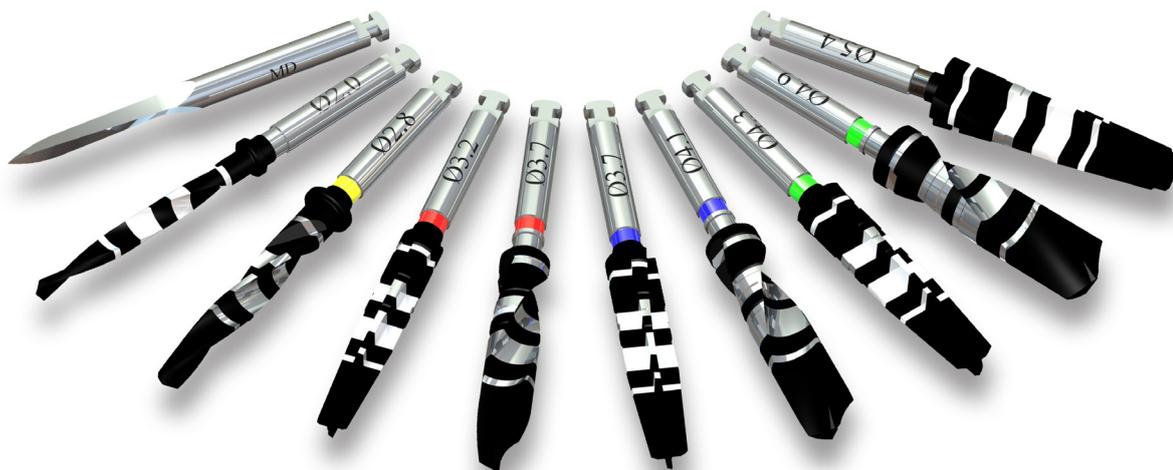
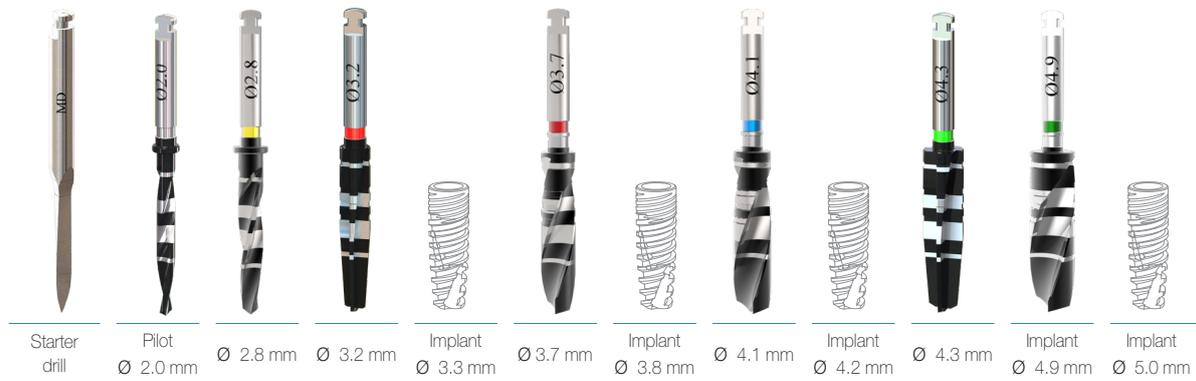
The drills are laser marked for depth reference and are measured from the cutting tip by steps of 6 mm, 8 mm, 10 mm, 11.5 mm, 13 mm and 16 mm.



Drilling Sequence Soft Bone - Type D2, D3, D4



Drilling Sequence: Dense Bone - Type D1



STOPPERS KIT

Prime CK-0009



6 Stoppers for 2 mm

Description	Cat Number
Stopper L 6 mm for drill 2 mm	CD-0206
Stopper L 8 mm for drill 2 mm	CD-0208
Stopper L 10 mm for drill 2 mm	CD-0210
Stopper L 11.5 mm for drill 2 mm	CD-0211
Stopper L 13 mm for drill 2 mm	CD-0213
Stopper L 16 mm for drill 2 mm	CD-0216

6 Stoppers for 2.8 mm

Stopper L 6 mm for drill 2.8 mm	CD-2806
Stopper L 8 mm for drill 2.8 mm	CD-2808
Stopper L 10 mm for drill 2.8 mm	CD-2810
Stopper L 11.5 mm for drill 2.8 mm	CD-2811
Stopper L 13 mm for drill 2.8 mm	CD-2813
Stopper L 16 mm for drill 2.8 mm	CD-2816

Designed by Dr. Meir Mamraev DMD

Premium CK-0010



6 Stoppers for 2 mm

Description	Cat Number
Stopper L 6 mm for drill 2 mm	CD-0206
Stopper L 8 mm for drill 2 mm	CD-0208
Stopper L 10 mm for drill 2 mm	CD-0210
Stopper L 11.5 mm for drill 2 mm	CD-0211
Stopper L 13 mm for drill 2 mm	CD-0213
Stopper L 16 mm for drill 2 mm	CD-0216

6 Stoppers for 2.8 mm

Stopper L 6 mm for drill 2.8 mm	CD-2806
Stopper L 8 mm for drill 2.8 mm	CD-2808
Stopper L 10 mm for drill 2.8 mm	CD-2810
Stopper L 11.5 mm for drill 2.8 mm	CD-2811
Stopper L 13 mm for drill 2.8 mm	CD-2813
Stopper L 16 mm for drill 2.8 mm	CD-2816

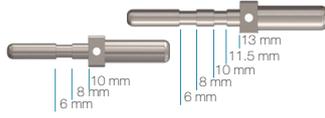
Designed by Dr. Meir Mamraev DMD

\* Comes with two drills - pilot drill 2 mm and drill 2.8 mm.

The Drill Stoppers Kit ensures the dental surgeon simple and accurate depth control.

This Stoppers Kit allows well-ordered storage and sterilization. It provides an easy clip on for 2 mm and 2.8 mm drills without manipulation of the stoppers. A safety slide cover is designed to ensure the exact location of stoppers and to prevent errors in assembly.

GENERAL TOOLS

General Tools					
Length	Cat Number				
<p>Radiography depth indicators</p> 	<p>Guide Pins</p> <table border="1"> <tr> <td>10 mm</td> <td>CT-0410</td> </tr> <tr> <td>13 mm</td> <td>CT-0413</td> </tr> </table>	10 mm	CT-0410	13 mm	CT-0413
10 mm	CT-0410				
13 mm	CT-0413				
	<p>Distance Indicator Tool</p> <p>CT-0705</p> <p>* Used for measuring the distance between the implants with slots for marking.</p>				
	<p>Drill Extention</p> <table border="1"> <tr> <td>29 mm</td> <td>CT-0260</td> </tr> </table>	29 mm	CT-0260		
29 mm	CT-0260				
	<p>Abutment Extractor Key (26 mm)</p> <table border="1"> <tr> <td>26 mm</td> <td>CT-S262</td> </tr> </table> <p>* Used for extraction of the abutment from the implant without causing stress to the implant and the surrounding bone tissue.</p>	26 mm	CT-S262		
26 mm	CT-S262				
	<p>Holding Key</p> <table border="1"> <tr> <td></td> <td>CT-0242</td> </tr> </table> <p>* Used for removing the Pre-Assembled premium abutment</p>		CT-0242		
	CT-0242				
	<p>Depth Probe</p> <table border="1"> <tr> <td></td> <td>CT-0710</td> </tr> </table> <p>* Used for osteotomy depth measuring and bone integrity validation. * Used for gingival socket depth measuring.</p>		CT-0710		
	CT-0710				
	<p>Direct Handle Driver (Internal Hex)</p> <table border="1"> <tr> <td></td> <td>CT-0510</td> </tr> </table> <p>* Used to drive implants into the osteotomy, particularly in the anterior region of the maxilla. * Interface with the implant or with the connector abutment CO-8036.</p>		CT-0510		
	CT-0510				
	<p>Direct Handle Driver (Conical)</p> <table border="1"> <tr> <td></td> <td>CT-0510C</td> </tr> </table> <p>* Used to drive implants into the osteotomy, particularly in the anterior region of the maxilla.</p>		CT-0510C		
	CT-0510C				

## SURGICAL INSTRUMENTS



Ratchets	
Driver Adaptor for Ratchets - Hand Ratchet	CT-0230
Driver Adaptor for Ratchets - Hex	CT-0231
Driver Adaptor for Ratchets - Square	CT-0232
Ratchet with Titanium handle	CT-0801

\* Used for implant installation with the drivers - see table on page 33



Torque Ratchet	
Torque Ratchet (10-40 Ncm)	CT-0861
Torque Ratchet (15-100 Ncm)	CT-0863

\* Designed to place both implants and abutments with the distinct torque settings scale (0-100 Ncm) which adjusts the torque level.

\* Simple twist of the handle's tip adjusts the torque level.

### Tools for Smart 1 Piece

Cat Number



Square Driver For Smart 1Piece	
	CM-0031
Smart 1Piece Adaptor	
	CM-0032
Square Driver Mount For Smart 1Piece	
	CM-0041

\* Used for installation of Smart 1Piece implants.

### Driver 1.25 mm

	Description	Length	Cat Number
	Prosthetic Hand Driver Hex	1.25mm	CT-0220
	Driver 1.25; with hex/square Ratchet connection	7 mm	CT-S107
	Driver 1.25; with hex/square Ratchet connection	10 mm	CT-S110
	Driver 1.25; with hex/square Ratchet connection	15 mm	CT-S115
	Motor Mount 1.25 Hex.	22 mm	CT-0250

\* For installation or removal of cover screws, healing caps, abutment screws and multi-unit system components.

\* The motor-mount is used with a latch type contra-angle hand piece.

Driver 2.42 mm				
		Driver 2.42; with hex/square Ratchet connection	7 mm	CT-S207
		Driver 2.42; with hex/square Ratchet connection	10 mm	CT-S210
		Driver 2.42; with hex/square Ratchet connection	15 mm	CT-S215
		Driver 2.42; with hex/square Ratchet connection	18 mm	CT-S218
		Motor Mount 2.42 Hex.	20 mm	CT-0252
		Motor Mount 2.42 Hex.	28 mm	CT-0254

- \* For installation of implants at the implant level or at the abutment level in premium packages where the driver interface with the internal hex of the connector abutment CO-8036.
- \* The implant insertion with the motor-mount driver should be 30 rpm or less.
- \* Notice: the hexagon position of the driver reflects the position of the internal hexagon of the implant.
- \* During the insertion try to put the flat part of the hex parallel to the buccal of the bone ridge.

### Drivers

Length	Screw Driver		Hex Implant Driver	Conical Implant Drivers		
	1.25 mm	2.42 mm		Narrow	Regular	Wide
10 mm	CT-D110	CT-H210		MCT-N210	MCT-R210	MCT-W210
15 mm	CT-D115	CT-H215		MCT-N215	MCT-R215	MCT-W215
20 mm	CT-D120	CT-H220		MCT-N220	MCT-R220	MCT-W220

- 1.25mm:
- \* For installation or removal of cover screws, healing caps, abutment screws and multi-unit system components.
  - \* The motor-mount is used with a latch type contra-angle hand piece.
  - \* The implant insertion with the motor-mount driver should be 30 rpm or less.
  - \* Notice: the hexagon position of the driver reflects the position of the internal hexagon of the implant.
  - \* During the insertion try to put the flat part of the hex parallel to the buccal of the bone ridge.

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## APPENDIX

### Cleaning Procedure For Surgical Basic, Prime & Premium Kits and Instrumentation for Surgical

- Disassemble the surgical kit and wash the tray using a detergent solution. Rinse the tray with water thoroughly.
- Place the instruments in a beaker of detergent solution and sonicate for approximately 10 minutes. Rinse thoroughly.
- Use only a disinfecting solution which is approved for its efficacy (VAH/DGHM-listing, CE marking, FDA approval) and in accordance with the DFU of the disinfecting solution manufacturer.
- For your own safety, please wear personal protective equipment (gloves, glasses, mask). The disinfecting solution should be aldehyde free and without di- or triethanolamines as corrosion inhibitor. Immediately after cleaning, rinse thoroughly with distilled or demineralized water for at least 1 minute. Use quality water in accordance with local regulations. If a disinfecting solution contains a corrosion inhibitor, it is recommended to rinse the instruments just prior to autoclaving.
- To prevent leaving water spots and corrosion, dry immediately with a single use non-woven cloth, or with a drying machine, or filtered compressed air.
- To avoid the risk of rusting and reducing the disinfecting power due to evaporation and contamination, the disinfectant must be replenished daily.
- Return the instruments to the appropriate locations in the surgical tray.
- Wrap the kit in a double-layer of autoclave-wrap.
- Sterilize the kit according to the Sterilization Table.

**CAUTION:** Do not remove the surgical kit from the autoclave until the dry cycle is complete.

**CAUTION:** The use of hydrogen peroxide or other oxidizing agents will cause damage to the surface of the instruments. Towel or dry-air all instrumentation before sterilization. Drills and taps should be replaced when a decrease in cutting performance or signs of discoloration are noted.

Cortex recommends replacement of drills after approximately 20 osteotomies, depending on bone density.

### Sterilization Table

#### Autoclave

121°C-124°C (~250°F) 40 minute exposure / 30 minute dry time or 132°C-135°C (~270°F) 20 minute exposure / 30 minute dry time.

Do not exceed 140°C (284°F). Always use the dry cycle.

Each dental office is responsible for the proper, routine sterilization of instruments. All sterilization techniques should follow the unit manufacturer's guidelines.

Follow the drilling sequences in this guide by placing all the instruments and implants onto the sterile working field in the order they will be used. This assures a natural progression through the case sequence. The Cortex surgical kits are set up in this fashion.

## REFERENCE TABLE

Cat. No.	Description	Page	Cat. No.	Description	Page
BCDL-0833	MAGIX Dental Implant °3.3 L 8 mm Prime	17	BCSC-1333	Classix Dental Implant 3.3mm 13mm L Prime	35
BCDL-0838	MAGIX Dental Implant °3.8 L08mm Prime	17	BCSC-1338	Classix Dental Implant 3.8mm 13mm L Prime	35
BCDL-0842	MAGIX Dental Implant °4.2 L08mm Prime	17	BCSC-1342	Classix Dental Implant 4.2mm 13mm L Prime	35
BCDL-1033	MAGIX Dental Implant °3.3 L10mm Prime	17	BCSC-1350	Classix Dental Implant 5.0mm 13mm L Prime	35
BCDL-1038	MAGIX Dental Implant °3.8 L10mm Prime	17	BCSC-1360	Classix Dental Implant 6.0mm 13mm L Prime	35
BCDL-1042	MAGIX Dental Implant °4.2 L10mm Prime	17	BCSC-1633	Classix Dental Implant 3.3mm 16mm L Prime	35
BCDL-1133	MAGIX Dental Implant °3.3 L11.5mm Prime	17	BCSC-1638	Classix Dental Implant 3.8mm 16mm L Prime	35
BCDL-1138	MAGIX Dental Implant °3.8 L11.5mm Prime	17	BCSC-1642	Classix Dental Implant 4.2mm 16mm L Prime	35
BCDL-1142	MAGIX Dental Implant °4.2 L11.5mm Prime	17	BCSD-0642	Dynamix Dental Implant 4.2mm 06mm L Prime	34
BCDL-1333	MAGIX Dental Implant °3.3 L13mm Prime	17	BCSD-0650	Dynamix Dental Implant 5.0mm 06mm L Prime	34
BCDL-1338	MAGIX Dental Implant °3.8 L13mm Prime	17	BCSD-0660	Dynamix Dental Implant 6.0mm 06mm L Prime	34
BCDL-1342	MAGIX Dental Implant °4.2 L13mm Prime	17	BCSD-0838	Dynamix Dental Implant 3.8mm 8mm L Prime	34
BCDL-1633	MAGIX Dental Implant °3.3 L16mm Prime	17	BCSD-0842	Dynamix Dental Implant 4.2mm 8mm L Prime	34
BCDL-1638	MAGIX Dental Implant °3.8 L16mm Prime	17	BCSD-0850	Dynamix Dental Implant 5.0mm 8mm L Prime	34
BCDL-1642	MAGIX Dental Implant °4.2 L16mm Prime	17	BCSD-0860	Dynamix Dental Implant 6.0mm 8mm L Prime	34
BCFX-1320	Easy2Fix Dental Implant 2.0mm 13mm L Prime	75	BCSD-1033	Dynamix Dental Implant 3.3mm 10mm L Prime	34
BCSC-0642	Classix Dental Implant 4.2mm 06mm L Prime	35	BCSD-1038	Dynamix Dental Implant 3.8mm 10mm L Prime	34
BCSC-0650	Classix Dental Implant 5.0mm 6mm L Prime	35	BCSD-1042	Dynamix Dental Implant 4.2mm 10mm L Prime	34
BCSC-0660	Classix Dental Implant 6.0mm 6mm L Prime	35	BCSD-1050	Dynamix Dental Implant 5.0mm 10mm L Prime	34
BCSC-0838	Classix Dental Implant 3.8mm 8mm L Prime	35	BCSD-1060	Dynamix Dental Implant 6.0mm 10mm L Prime	34
BCSC-0842	Classix Dental Implant 4.2mm 8mm Prime	35	BCSD-1133	Dynamix Dental Implant 3.3mm 11.5mm L Prime	34
BCSC-0850	Classix Dental Implant 5.0 mm 8mm Prime	35	BCSD-1138	Dynamix Dental Implant 3.8mm 11.5mm L Prime	34
BCSC-0860	Classix Dental Implant 6.0mm 8mm L Prime	35	BCSD-1142	Dynamix Dental Implant 4.2mm 11.5mm L Prime	34
BCSC-1033	Classix Dental Implant 3.3mm 10mm L Prime	35	BCSD-1150	Dynamix Dental Implant 5.0mm 11.5mm L Prime	34
BCSC-1038	Classix Dental Implant 3.8mm 10mm L Prime	35	BCSD-1160	Dynamix Dental Implant 6.0mm 11.5mm L Prime	34
BCSC-1042	Classix Dental Implant 4.2mm 10mm L Prime	35	BCSD-1333	Dynamix Dental Implant 3.3mm 13mm L Prime	34
BCSC-1050	Classix Dental Implant 5.0mm 10mm L Prime	35	BCSD-1338	Dynamix Dental Implant 3.8mm 13mm L Prime	34
BCSC-1060	Classix Dental Implant 6.0mm 10mm L Prime	35	BCSD-1342	Dynamix Dental Implant 4.2mm 13mm L Prime	34
BCSC-1133	Classix Dental Implant 3.3mm 11.5mm L Prime	35	BCSD-1350	Dynamix Dental Implant 5.0mm 13mm L Prime	34
BCSC-1138	Classix Dental Implant 3.8mm 11.5mm L Prime	35	BCSD-1360	Dynamix Dental Implant 6.0mm 13mm L Prime	34
BCSC-1142	Classix Dental Implant 4.2mm 11.5mm L Prime	35	BCSD-1633	Dynamix Dental Implant 3.3mm 16mm L Prime	34
BCSC-1150	Classix Dental Implant 5.0mm 11.5mm L Prime	35	BCSD-1638	Dynamix Dental Implant 3.8mm 16mm L Prime	34
BCSC-1160	Classix Dental Implant 6.0mm 11.5mm L Prime	35	BCSD-1642	Dynamix Dental Implant 4.2mm 16mm L Prime	34

## REFERENCE TABLE

Cat. No.	Description	Page	Cat. No.	Description	Page
BMCC-0642	Conic Classix Implant 4.2mm 6mm L Prime	13	BMCD-1038	Conic Dynamix Implant 3.8mm 10mm L Prime	12
BMCC-0650	Conic Classix Implant 5.0mm 6mm L Prime	13	BMCD-1042	Conic Dynamix Implant 4.2mm 10mm L Prime	12
BMCC-0660	Conic Classix Implant 6.0mm 6mm L Prime	13	BMCD-1050	Conic Dynamix Implant 5.0mm 10mm L Prime	12
BMCC-0838	Conic Classix Implant 3.8mm 8mm L Prime	13	BMCD-1060	Conic Dynamix Implant 6.0mm 10mm L Prime	12
BMCC-0842	Conic Classix Implant 4.2mm 8mm L Prime	13	BMCD-1130	Conic Dynamix Implant 3.0mm 11.5mm L Prime	12
BMCC-0850	Conic Classix Implant 5.0 mm 8mm L Prime	13	BMCD-1133	Conic Dynamix Implant 3.3mm 11.5mm L Prime	12
BMCC-0860	Conic Classix Implant 6.0mm 8mm L Prime	13	BMCD-1138	Conic Dynamix Implant 3.8mm 11.5mm L Prime	12
BMCC-1033	Conic Classix Implant 3.3mm 10mm L Prime	13	BMCD-1142	Conic Dynamix Implant 4.2mm 11.5mm L Prime	12
BMCC-1038	Conic Classix Implant 3.8mm 10mm L Prime	13	BMCD-1150	Conic Dynamix Implant 5.0mm 11.5mm L Prime	12
BMCC-1042	Conic Classix Implant 4.2mm 10mm L Prime	13	BMCD-1160	Conic Dynamix Implant 6.0mm 11.5mm L Prime	12
BMCC-1050	Conic Classix Implant 5.0mm 10mm L Prime	13	BMCD-1330	Conic Dynamix Implant 3.0mm 13mm L Prime	12
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