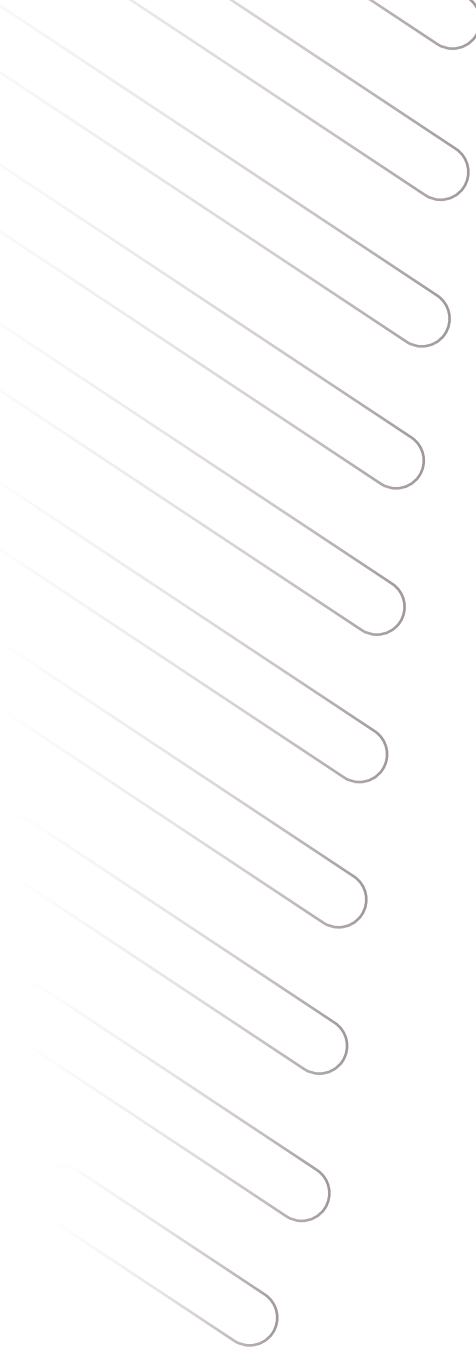




CORTEXTM
The Future of Dental Implants

Product Catalogue



CORTEXTM
The Future of Dental Implants

CORTEX Dental Implants Industries Ltd.

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www.cortex-dental.com \\ info@cortex-dental.com

What we stand for

In everything we do, our primary focus is you:
dental experts, experienced and fresh out of dental school alike.
The torchbearers of the dental revolution.

We understand you and the challenges you face:
Your desire to continuously improve and be at the forefront of dental practice.
Your aim to be as efficient as possible, to serve more patients in less time, to provide better medical care, and to grow your practice.

Your drive to thrive

With a deep understanding of the demands of dentistry, backed by an expert, in-house R&D team, we combine new and proven methods with cutting-edge technology to provide you with effective tools to strengthen your practice and give you a competitive advantage.

Through product innovation, personal guidance, and dedicated service, we promise:

- Shorter chair times, improved output and greater profits
- Products made from the highest-quality raw materials the market has to offer
- Solutions that suit the vast majority of clinical requirements
- Proven and registered patents
- Information centers available to our dentists

Who is Cortex and what do we do?

Over the past 2 decades, Cortex has established a well-earned reputation as a trailblazer in the dental implantology field. We have done so with great passion, expertise, and outstanding professionalism.

- At the core of our business is the design and production of dental implants, prosthetics, surgical tools, kits, and digital dentistry products and solutions.
- Our products and solutions are certified by the world's most important regulatory authorities, including the FDA, CE, and CFDA.
- Our in-house R&D team is made up of dental engineering experts and world-renowned doctors and surgeons who have a deep understanding of both the market and the clinical aspects of dentistry.
- Our development center and management team are located in Israel, with subsidiaries in China, Columbia, and the U.S.A, and with worldwide reach through a network of distributors.
- We boast an impressive portfolio that includes multiple international patents which we have specifically adapted to each procedure and each situation that may arise in the dental practice and dental laboratories.
- Last but not least, our service department is led by members of our dedicated customer service team, who are motivated to swiftly provide the best possible service to each dentist and each clinic, wherever Cortex is found.

We always have you in mind:

1. Innovative and patented Implants that will enable you to ensure better bone preservation with a drill-less procedure that will save you chair time dramatically.
2. User friendly surgical kits with DLC Coated drills offering up to 3 times longer life span for the drills with less friction and heat production.
3. Digital case planning system and service that will offer solutions to any clinical case and provide you with a wonderful selling platform for the patient.
4. The most advanced and user friendly guided surgery system that will save you up to 50% in chair time and reduce potential errors to almost 0.3%.

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Introduction

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

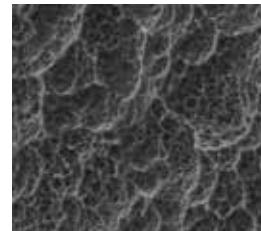
The surface roughness and Nano-morphology of Cortex Dental implants are achieved by blasting the implants with Al_2O_3 , followed by etching with a combination of acids. This process increases the overall surface area and improves the interlocking between mineralized bone and implant surface while modifying 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.

XPS atomic concentrations (%)

Titanium Oxide thickness (nm)	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
- Implant coronal part features additional two micro-threads overlapping with the main threads for enhanced Cortical bone grip
- Ideal for sinus lift procedures
- Enables Immediate Loading

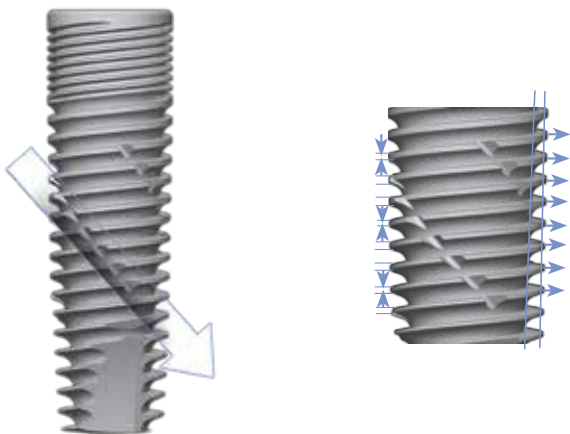
Optimal Bone Grip & Compression

- 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

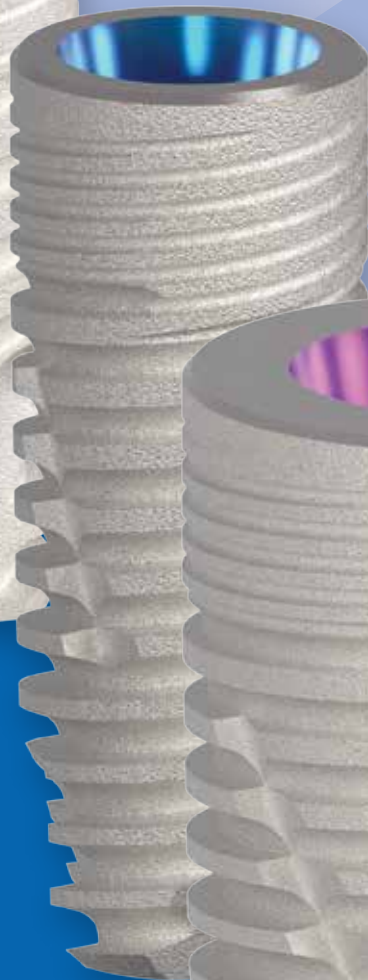
Cortex Dental Implants Industries Ltd. is ISO 13485 certified, and holds CE Mark by BSI NB (CE 2797) as well as 510k clearance for sales in the US.

- FDA CLEARED
- EN ISO 13485



- CE 2797
- NMPA(CFDA)
- ROSZDRAVNADZOR
- אמ"ר
- INVIMA
- COFEPRIS

Conical Platform



Implants

Conical Connection

- High accuracy Conical Interface
- Dedicated tooling system
- Double internal hexagon allows 12-prosthetic positioning options
- Conical connection dramatically reduce micro-gap
- 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.

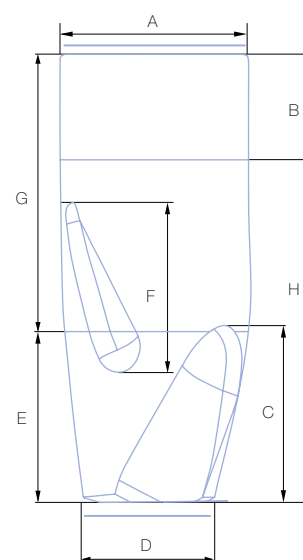
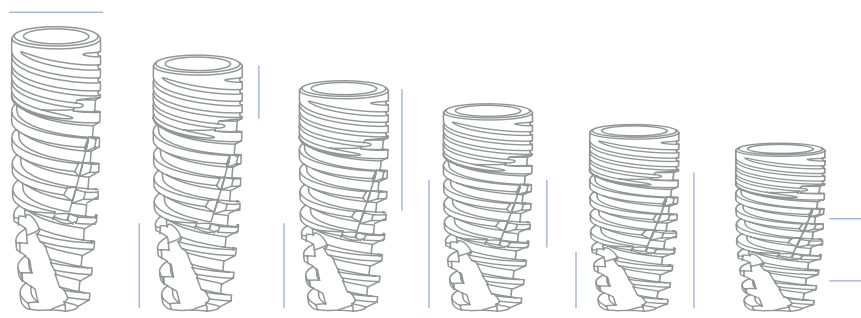
Micro Movements (micro-gap) of Implant-Abutment Interface

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

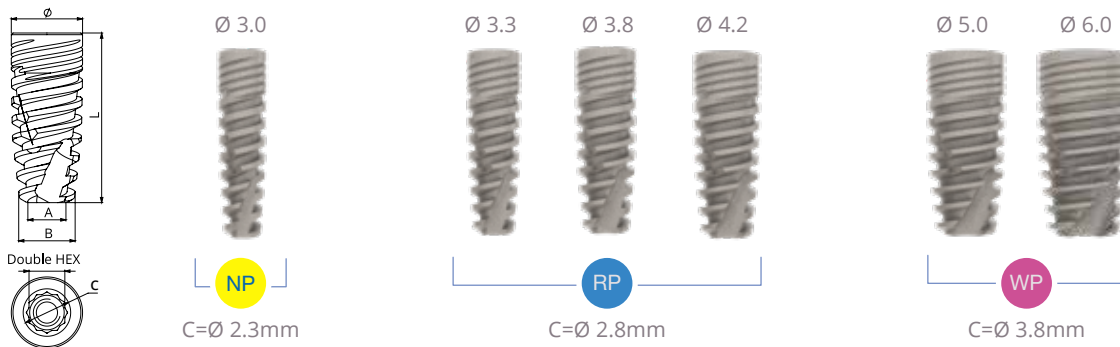
- With other types of degreed conical implant-abutment connection, it was found that several brands showed a micro-gap.
- The conical Dynamix Ø 4.2, manufactured by Cortex, showed no micro gap as it does in other dental implant systems.
- No micro-gap in the Cortex conical implant-abutment connection.

Golden Ratio

Golden Ratio in Implants



Best preservation of bone quantity and improved bone quality.



Dynamix Conical Narrow Platform - Prime Package

Implant Diameter Ø [mm]	Double 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

Implant Diameter Ø [mm]	Double 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	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

Implant Diameter Ø [mm]	Double 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]
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:

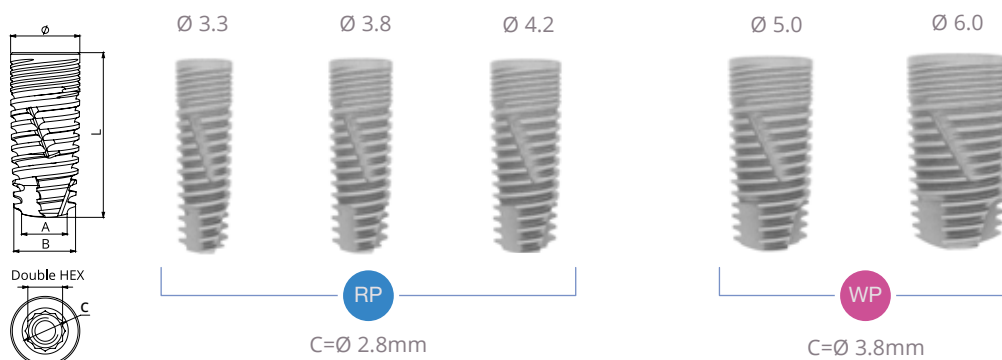
All surgical procedures. Positions: maxilla & mandible. Ideal for D2-D4 bone types.

Excellent Bone Cutting Capacity

- Bone preservation
- Easy bone penetration
- Two milling cutting edges
- Sharp and precise bone cutting
- Ability to change penetration angle during implantation in case of incorrect pre-drilling by Self-drilling and Self-tapping

CLASSIX

Ideal bone to implant contact



Classix Conical Regular Platform - Prime Package

Implant Diameter Ø [mm]	Double 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

Implant Diameter Ø [mm]	Double 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]
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 surgical procedures, Mandible and Maxilla, Ideal for D1-D3 bone types.

Excellent Bone Cutting Capacity

- 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 and preservation

Magix Implant - Ideal implant for Drill-Less approach

- An exceptional solution for drill less approach, for bone preservation and condensation.
- The Magix Implant is self-drilling, self-tapping and self bone condensing, with outstanding advantages in medium to soft bones.
- The Magix Implant design consists of single lead thread, 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:

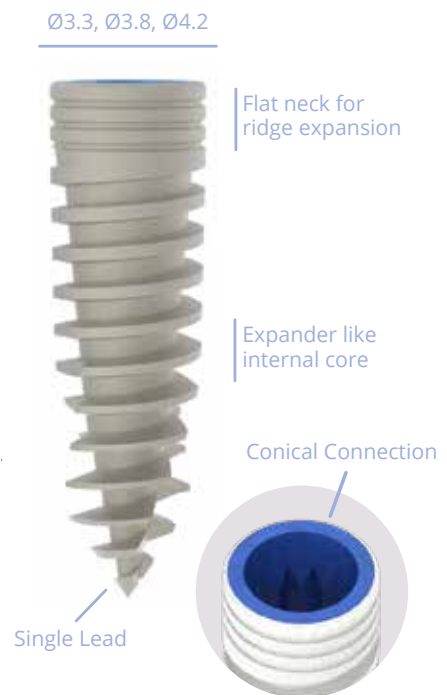
- Seventy-five (75%) percent of the implant engages freshly prepared bone.
- The implant supports the buccal or labial bone.
- All existing pathology in the socket must be removed until there is no acute infection. If an infection is still present, it must be treated appropriately and the site cleaned 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.



Ideal for implant placement without drilling



Magix Conical Regular Platform - Prime Package

Implant Diameter Ø [mm]	Double 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



Ø 3.0



Ø 3.3 Ø 3.8 Ø 4.2



Ø 5.0 Ø 6.0

CORTEX
The Future of Dental Implants

CON DYNAMIX

L.10 Ø4.2 Diameter of the implant
Qty: 1

LOT: WO169956 LOT/Batch number

BMCD-1042 Catalog number

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 13485



Do not reuse



Do not re-sterilize



Method of sterilization using radiation



Keep away from sunlight



Do not use if package damaged



Caution, consult accompanying documents

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EMERGO EUROPE
Prinsessegracht 20
2514 AP The Hague
The Netherlands

Prosthetic components

Abutments



Ø 3.0



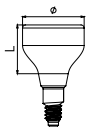
Ø 3.3 Ø 3.8 Ø 4.2



Ø 5.0 Ø 6.0

Healing Cap Abutments

Laser marking



Length	Ø 3.8 [mm]	Ø 4.6 [mm]	NEW Ø 6.0 [mm]	Ø 5.8 [mm]	NEW Ø 7.0 [mm]
2 mm	MPN-8102	MPR-7102			
3 mm	MPN-8103	MPR-7103	MPR-7503	MPW-7503	MPW-7603
4 mm	MPN-8104	MPR-7104		MPW-7504	
5 mm	MPN-8105	MPR-7105	MPR-7505	MPW-7505	MPW-7605
6 mm	MPN-8106	MPR-7106		MPW-7506	
7 mm	MPN-8107	MPR-7107	MPR-7507		MPW-7607

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

Titanium Cover Screws



Head Ø 2.3 [mm]	Head Ø 2.8 [mm]	Head Ø 3.8 [mm]
MPN-S010	MPR-S010	MPW-S010
M1.4	M1.6	M2

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

* For use during submerged /two-stage procedures. Included with the implant.

Abutment Screw



Head Ø 2.0 [mm]	Head Ø 2.3 [mm]	Head Ø 2.3 [mm]
MPN-S030	MPR-S030	MPW-S030
M1.4	M1.6	M2

* Includes abutments.

* Use the 1.25 mm hex driver.

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

* Final torque - RP,WP 30 Ncm.

* Final torque NP 20 Ncm.

Abutments



Ø 3.0

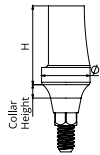


Ø 3.3 Ø 3.8 Ø 4.2



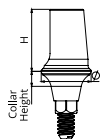
Ø 5.0 Ø 6.0

Titanium Abutments



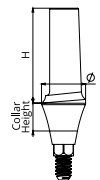
Height	Ø 3.8 [mm]	Ø 4.8 [mm]	Ø 5.8 [mm]
7 mm	MPN-8000	MPR-8000	MPW-8000
	Collar Height 1.5 mm	Collar Height 1.5 mm	Collar Height 1.5 mm

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
Height	10 mm	10 mm	7 mm

* Final torque - RP, WP 30 Ncm.

* Final torque NP 20 Ncm.

Note:

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

Abutments



Ø 3.0

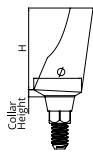


Ø 3.3 Ø 3.8 Ø 4.2



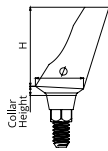
Ø 5.0 Ø 6.0

Angulated Abutments 15°



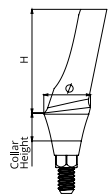
Height	Ø 3.8 [mm]	Ø 4.7 [mm]	Ø 5.8 [mm]
8 mm	MPN-8115	MPR-8115	MPW-8115
	Collar Height 1mm	Collar Height 1mm	Collar Height 1mm

Angulated Abutments 25°



Height	Ø 3.8 [mm]	Ø 4.8 [mm]	Ø 6.8 [mm]
8 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
Height	10 mm	10 mm	7 mm

* Lingual step increases up to 1mm.

* Final torque - RP,WP 30 Ncm.

* Final torque - NP 20 Ncm.

Note:

- Used for cement retained of single or multiple prosthetic units.
- Titanium Alloy (Ti 6Al-4V ELI).
- Includes abutment screw MPN-S030 / MPR-S030 / MPW-S030.

Abutments



Ø 3.0

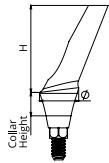


Ø 3.3 Ø 3.8 Ø 4.2



Ø 5.0 Ø 6.0

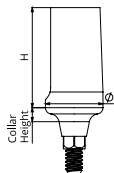
Anatomic Angulated Abutments 25°



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
Height	10 mm	10 mm	7 mm

- * Lingual step increases up to 1mm.
- * Used for cement retained, single or multiple prosthetic units.
- * Includes 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]
10 mm	MPR-0055	MPR-0070
	Collar Height 1.5 mm	Collar Height 1.5 mm

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

Abutments

Temporary PEEK Abutments



Ø 3.0

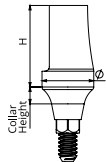


Ø 3.3 Ø 3.8 Ø 4.2



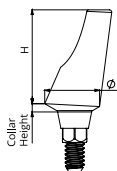
Ø 5.0 Ø 6.0

Straight Abutment



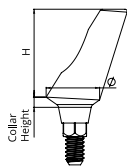
Collar Height	Ø 3.8 [mm]	Ø 4.8 [mm]	Ø 5.8 [mm]
1.5 mm	MPN-PA00	MPR-PA00	MPW-PA00
Height	7 mm	7 mm	7 mm

Angulated Abutment 15°



Collar Height	Ø 3.8 [mm]	Ø 4.7 [mm]	Ø 5.8 [mm]
1 mm	MPN-PA15	MPR-PA15	MPW-PA15
Height	8 mm	8 mm	8 mm

Angulated Abutment 25°



Collar Height	Ø 3.8 [mm]	Ø 4.7 [mm]	Ø 5.8 [mm]
1 mm	MPN-PA25	MPR-PA25	MPW-PA25
Height	8 mm	8 mm	8 mm

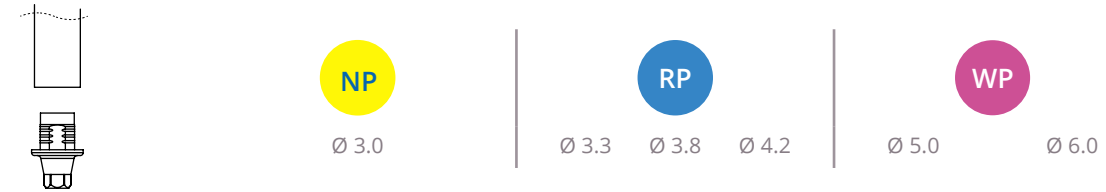
* Final torque - RP, WP 25 Ncm.

* Final torque - NP 20 Ncm.

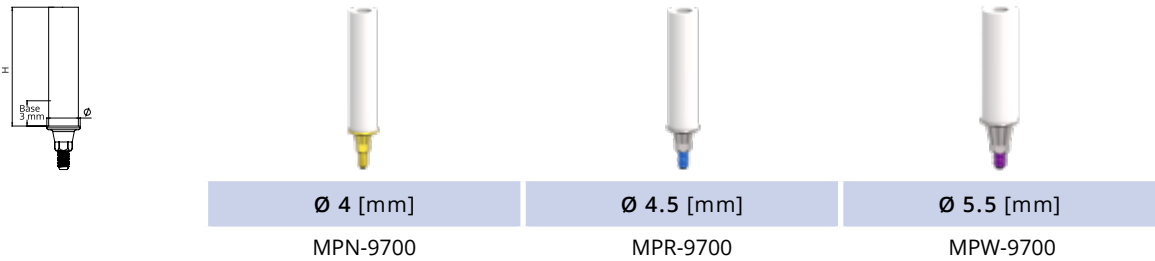
Note:

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

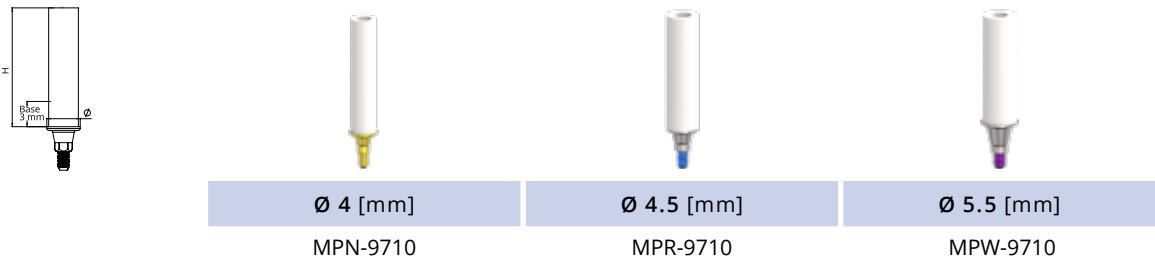
Castable Abutments



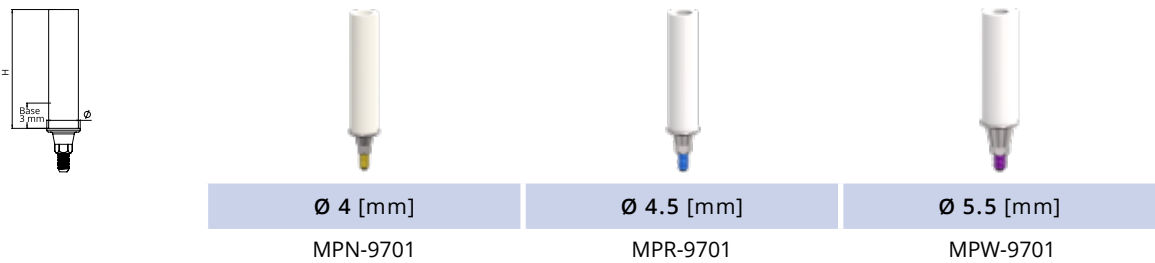
Custom Titanium Castable Abutments (UCLA) Hexed



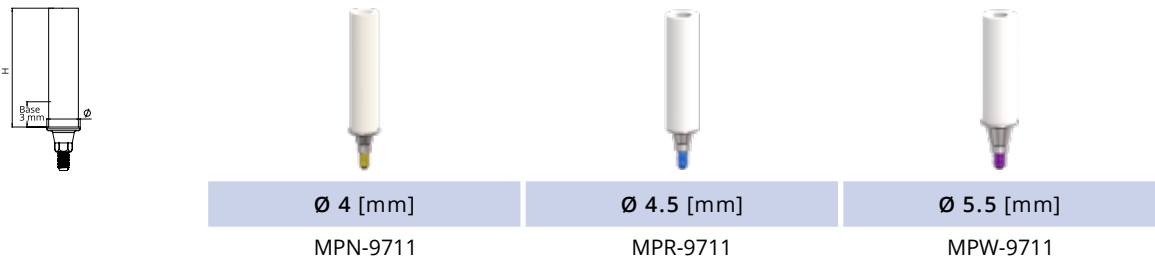
Custom Titanium Castable Abutments (UCLA) Non Hexed



Custom CrCo Castable Abutments (UCLA) Hexed



Custom CrCo Castable Abutments (UCLA) Non Hexed



- * $H = 17$ [mm]
- * Final torque - RP, WP 30 [Ncm]
- * Final torque - NP 20 [Ncm]

Note:

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

Impression Components



Ø 3.0

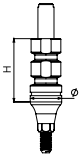


Ø 3.3 Ø 3.8 Ø 4.2



Ø 5.0 Ø 6.0

Direct Transfer Copings (open tray)

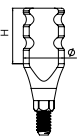


Height	Ø 4 [mm]	Ø 4.5 [mm]	Ø 5.2 [mm]
11 mm	MPN-8060	MPR-8060	MPW-8060

* Flat slot screw for easy access.

- Includes compatible screw: MPN-S060/MPR-S060/MPW-S060

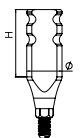
Indirect Short Transfer Copings (closed tray)



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

- Includes 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

* Final torque - RP,WP 25 Ncm.

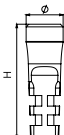



* Final torque - NP 20 Ncm.

- Includes compatible screw: MPN-S070/MPR-S070/MPW-S070

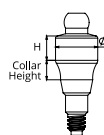



Note:

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

Implant Analog

	NP Ø 3.0	RP Ø 3.3 Ø 3.8 Ø 4.2	WP Ø 5.0 Ø 6.0
			
Height	Ø 4.2 [mm]	Ø 4.2 [mm]	Ø 5 [mm]
13 [mm]	MPN-8040	MPR-8040	MPW-8040

Ball Attachment System

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


* 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
	* Used for overdentures pickup or soldering.		
	* Titanium alloy (Ti 6Al-4V ELI).		
	* Ball diameter: Ø2.25[mm]		

POM (Polyacetal) Silicon Cap

	Color	Retention	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



Ø 3.0

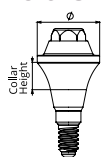


Ø 3.3 Ø 3.8 Ø 4.2



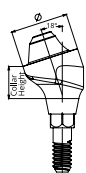
Ø 5.0 Ø 6.0

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°

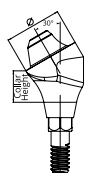


Collar Height	Ø 5 [mm]	Ø 5 [mm]	Ø 5 [mm]
1 mm	MPN-5118	MPR-5118	MPW-5118
2 mm	MPN-5218	MPR-5218	MPW-5218
3 mm	MPN-5318	MPR-5318	MPW-5318
4 mm	MPN-5418	MPR-5418	MPW-5418
5 mm	MPN-5518	MPR-5518	MPW-5518

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

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

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

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



Ø 3.0



Ø 3.3 Ø 3.8 Ø 4.2



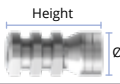
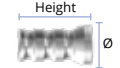
Ø 5.0 Ø 6.0

Screw for Angulated Multi-Unit 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.

* Includes screw MU-S060 / MU-S080



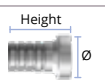

Multi-Unit Abutment Analog

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

Healing Cap for Multi-Unit Abutment

	Material	Feature	Diameter Ø	Height	Cat. Number
	Titanium	Healing Cap	5 mm	4.2 mm	MU-50HC

Sleeves for Multi-Unit Abutment

	Material	Feature	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




* All sleeves are Includes 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

* Final Torque 15 Ncm.

CAD/CAM for Multi-Unit Abutment

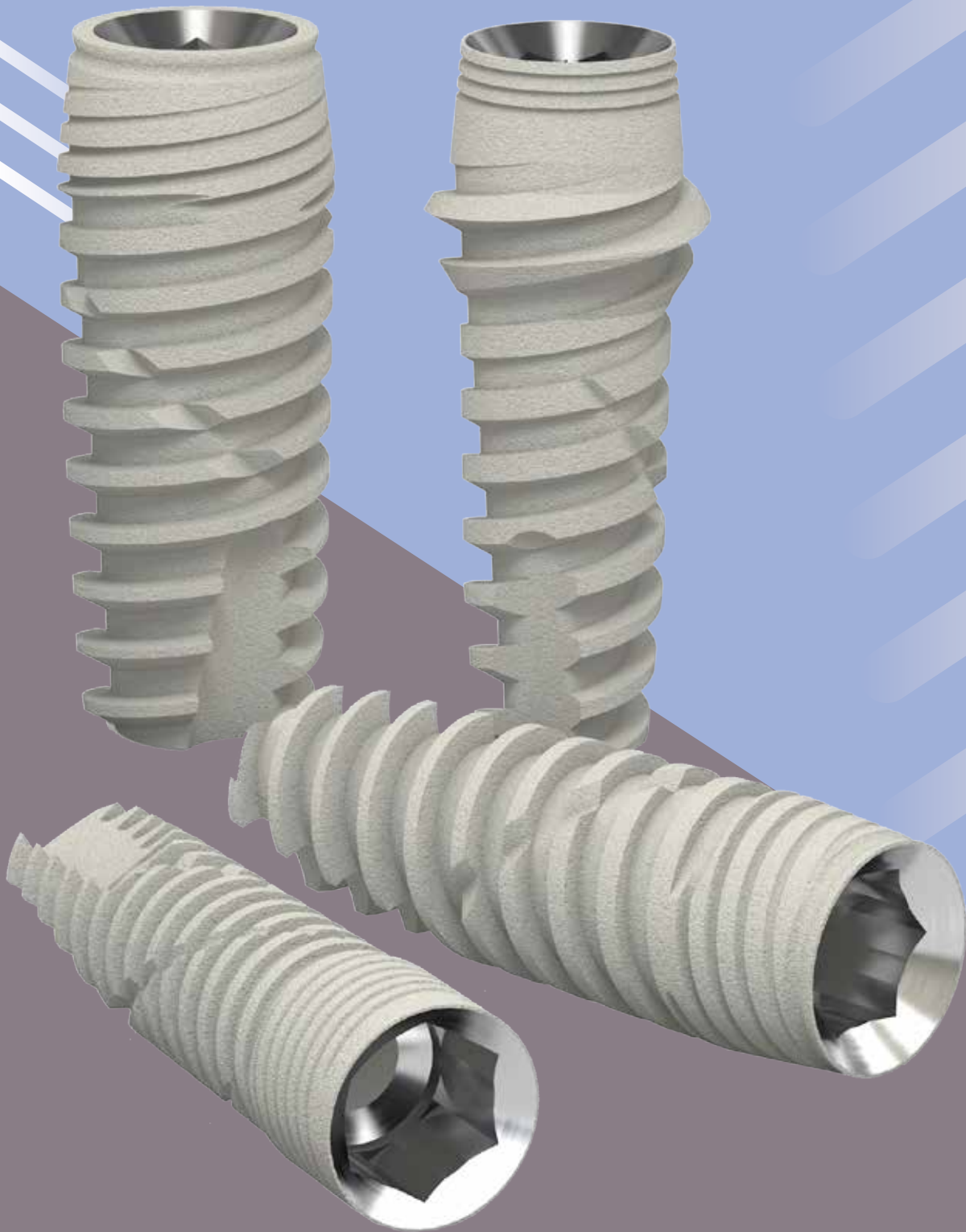
		Cat. Number
	Scan Body for Multi-Unit.	CO-SBMU
	Long Ti-Base for Multi-Unit Abutment.	MU-LTSST
	Short Ti-Base for Multi-Unit Abutment.	MU-STSST
	Screw for short Multi-Unit Ti-Base.	MU-S010
	Screw for long Multi-Unit Ti-Base.	MU-S020

* CO-SBMU Includes screw MU-SSB (Hand tightening).

* MU-LTSST Includes screw MU-S020.

* MU-STSST Includes 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 882770.2

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



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.



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, device is easily separated into two parts:

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



Mount / Transfer

- Disposable Transfer Top.
- Transfer.



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	PXXX-XXXX
Healing Cap Plastic	PK-N007*
3mm Healing Cap	CO-7103
Surgical Cover Screw	CS-0010

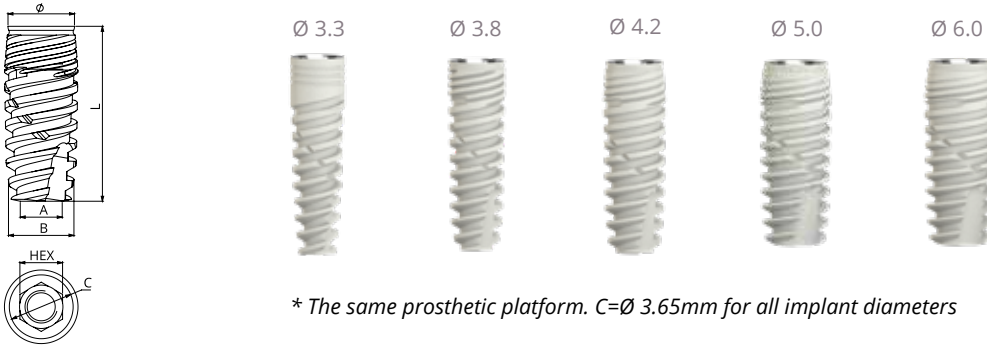
* Not available separately

Implant Prime Set



Prime Implant Set Package (non touch)	
Product Description	Cat. Number
Dental Implant	BXXX-XXXX
Surgical Cover Screw	CS-0010*

Best preservation of bone quantity and improved bone quality.



Dynamix Dimensions Premium Package

Implant 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

Implant 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			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.



* The same prosthetic platform C=Ø 3.65mm for all implant diameters

Classix Dimensions Premium Package

Implant 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

Implant 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:

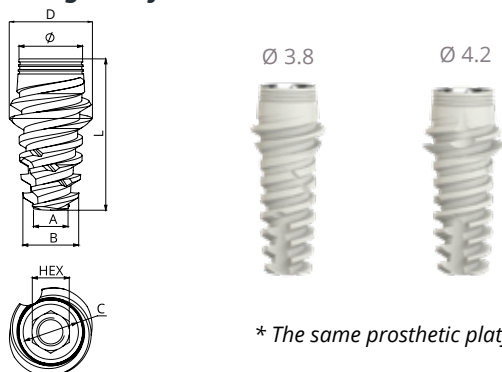
All clinical situations and all bone types.

Excellent Bone Cutting Capacity

- 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.

The ultimate implant for post extraction immediate loading.

Designed by Dr. Zvi Laster DMD



* The same prosthetic platform. C=Ø 3.65mm

Saturn Dimensions Premium Package

Implant 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

Implant 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	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

Implant 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



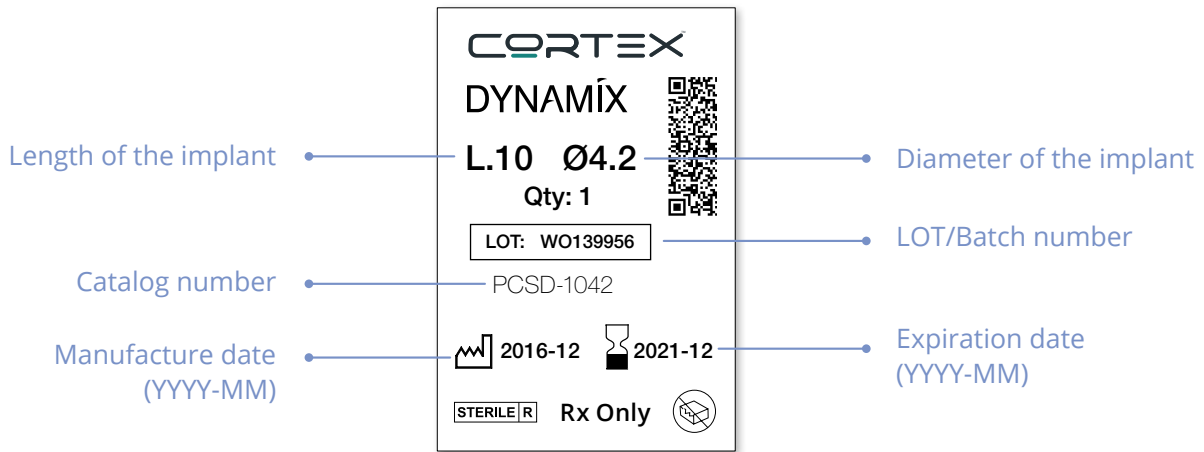
Ø4.2 mm



Ø5.0 mm



Ø6.0 mm



Marks on Package



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



Keep away from sunlight



Do not reuse



Do not use if package damaged



Do not resterilize



Caution, consult accompanying documents



Method of sterilization using radiation



Consult instruction for use symbol

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
 The Netherlands

Prosthetics Internal Hex Platform



Prosthetic components

Abutments

Healing Cap Abutments



	Narrow	Standard	Standard NEW CONCAVE	Wide
Length	Ø 3.8 [mm]	Ø 4.7 [mm]	Ø 4.7 [mm]	Ø 6 [mm]
2 mm	CO-8102	CO-7102	CO-7102C	
3 mm	CO-8103	CO-7103	CO-7103C	CO-7503
4 mm	CO-8104	CO-7104	CO-7104C	CO-7504
5 mm	CO-8105	CO-7105	CO-7105C	CO-7505
6 mm	CO-8106	CO-7106	CO-7106C	CO-7506
7 mm	CO-8107	CO-7107		

* Hand Tightening with the 1.25 hex driver.

Titanium Anatomic Abutments



	Premium	Straight	Straight NEW CONCAVE	Angulated 15°	Angulated 15° NEW CONCAVE	Angulated 25°	Angulated 25° NEW CONCAVE
Collar Height	Ø 4.8 [mm]	Ø 4.7 [mm]	Ø 4.7 [mm]	Ø 5.3 [mm]	Ø 4.7 [mm]	Ø 5.3 [mm]	Ø 4.7 [mm]
1 mm		CO-9001	CO-9001C	CO-9115	CO-9115C	CO-9125	CO-9125C
1.5 mm	CO-8036						
2 mm		CO-9002	CO-9002C	CO-9215	CO-9215C	CO-9225	CO-9225C
3 mm	CO-8037	CO-9003	CO-9003C	CO-9315	CO-9315C	CO-9325	CO-9325C
4 mm		CO-9004		CO-9415		CO-9425	
Height [mm]	6	8.5	8.5	8.5	8.5	8.5	8.5

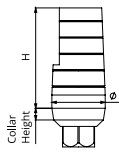
* Lingual step increasing up to 1 mm.

Titanium Standard Abutments



	Wide	Straight	Straight NEW CONCAVE	Angulated 15°	Angulated 25°
Height H [mm]	Ø 6 [mm]	Ø 4.7 [mm]	Ø 4.7 [mm]	Ø 4.7 [mm]	Ø 4.7 [mm]
9 mm	CO-8200	CO-8000	CO-8000C	CO-8015	CO-8025
12 mm		CO-8100	CO-8100C	CO-8115	CO-8125
Collar Height	1 mm	1 mm	2 MM	1 mm	1.5 mm

Titanium Slim Abutments



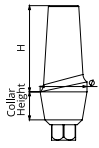
	Straight with Collar	Narrow	Angulated 15°	Angulated 25°
Collar Height	Ø 4.4 [mm]	Ø 3.8 [mm]	Ø 3.8 [mm]	Ø 3.8 [mm]
1 mm	CO-8111	CO-8028 CO-8029 CO-8031	CO-8032	CO-8033
2 mm	CO-8112			
3 mm	CO-8113			
4 mm	CO-8114			
Height				
5 mm		CO-8028		
7 mm	CO-8111	CO-8029		
	CO-8112			
	CO-8113			
	CO-8114			
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).
- Includes abutment screw CO-S030.
- Final Torque 30 Ncm.
- Compatible for implant 3.3, 3.8, 4.2, 5, 6 mm.

Prosthetics

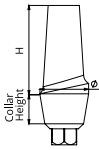
Temporary Anatomic Abutments PEEK



	Straight		Angulated 15°		Angulated 25°	
	Ø 5.2 [mm]	NEW CONCAVE Ø 4.7 [mm]	Ø 5.2 [mm]	NEW CONCAVE Ø 4.7 [mm]	Ø 5.2 [mm]	NEW CONCAVE Ø 4.7 [mm]
	CO-PA003	CO-PA003C	CO-PA153	CO-PA153C	CO-PA253	CO-PA253C
Collar Height	3.0	3.0	3.0	3.0	3.0	3.0
Height [mm]	8.5	8.5	8.5	8.5	8.5	8.5

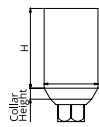
- Used for cement or screw retained provisional restorations.
- Used for immediate or delayed loading for single or multiple prosthetic units.
- Includes abutment screw CO-S030.
- Final torque 25Ncm.
- PEEK (Polyetheretherketone).

Castable Anatomic Acetal Abutments



	Straight		Angulated 15°		Angulated 25°	
	Ø 5 [mm]	NEW CONCAVE Ø 4.7 [mm]	Ø 5 [mm]	NEW CONCAVE Ø 4.7 [mm]	Ø 5 [mm]	NEW CONCAVE Ø 4.7 [mm]
1 mm	CO-AA001	CO-AA001C	CO-AA151	CO-AA151C	CO-AA251	CO-AA251C
2 mm	CO-AA002	CO-AA002C	CO-AA152	CO-AA152C	CO-AA252	CO-AA252C
3 mm	CO-AA003	CO-AA003C	CO-AA153	CO-AA153C	CO-AA253	CO-AA253C
Height [mm]	8.5	8.5	8.5	8.5	8.5	8.5

Custom Castable Abutments



	Ø 4.9 [mm]	Ø 4.5 [mm]	Ø 4.5 [mm]	NEW CONCAVE Ø 4.7 [mm]	Ø 4.5 [mm]
	CO-5010 Hex	CO-5020 Hex	CO-9701Hex	CO-9701C Hex	CO-9700 Hex
	CO-5030 Non Hex	CO-5000 Non Hex	CO-9711 Non Hex	CO-9711C Non Hex	CO-9710 Non Hex
Collar Height	1 mm	0.5 mm	2 mm	2 mm	2 mm
Height [mm]	7.0	10.5	10.0	10.0	10.0

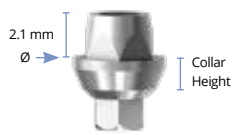
* Chrome cobalt base with Delrin® sleeve.

* Chrome cobalt with Delrin® sleeve.

* Titanium base with Delrin® sleeve.

- Used for cement or screw retained, single prosthetic units.
- Acetal (burn-out plastic).
- Includes abutment screw CO-S030.
- Final torque 30 Ncm.

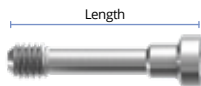
Aesthetic Connection Abutment



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

* Includes compatible screw based on collar height.

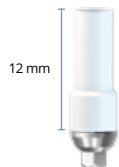
Screw for Aesthetic Connection Abutment



Length [mm]	Cat. Number
10.4 mm	CO-S060
10.8 mm	CO-S061
12 mm	CO-S062

* Not available separately.

Plastic Sleeve for Aesthetic Connection Abutment



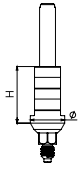
		Cat. Number
 Hex	Aesthetic connection Abutment	CO- 6605
 Non Hex		CO- 6606

* 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.

Prosthetics

Impression Components

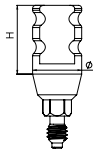


Indirect Transfer Copings
(Open tray)

NEW CONCAVE
Indirect Transfer Concave
(Open tray)

Direct Pick-up Snap Copings
(closed tray)

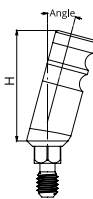
Height	Cat. Number	Cat. Number	Cat. Number
9 mm	CO-8060	CO-8060C	CO-8050
13 mm	CO-8065	CO-8065C	CO-8055
* Includes Compatible screw CS-8065. * Used to make an open tray, implant level impression.		* Includes Compatible screw CS-8065. * Used to make an open tray, implant level impression.	* Snap-in technique.



Indirect Short Transfer Copings
(closed tray)

NEW CONCAVE
Indirect Transfer Copings
(closed tray)

Diameter Ø	Cat. Number	Cat. Number	Cat. Number	Cat. Number
3.8 mm	CO-8070		CO-8075	
4.7 mm	CO-8080	CO-8080C	CO-8085	CO-8085C
* Includes CO-S040 screw		* Includes CO-S040 screw	* Includes CO-S070 screw	* Includes CO-S070 screw



Angulated Transfer 15°

Angulated Transfer 25°

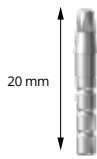
Height	Cat. Number	Cat. Number
10 mm	CO-8071	CO-8072

* Used for closed tray impression when implants are tilted.

* Includes abutment screw CO-S030.

- Hand tighten with 1.25 mm hex driver.
- Compatible to all implant level components with a 3.65 platform.

Analogs



One Piece Analog

CO-8049

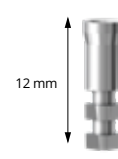
* Compatible to Smart 1Piece implants only.



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 3.65 platform.

Titanium Screws



Abutment Screw Long (7.8 mm)

Length	Ø	Cat. Number
7.8 mm	2.2 mm	CO-S030

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

Cover Screw

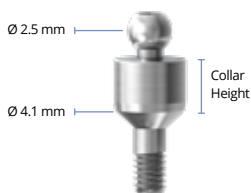
CS-0010



- * Fits all internal hex connection Implants.
- * Torque 15 Ncm.
- * Thread 1-72 UNF
- * Included with all internal hex connection Implants.
- * Titanium Alloy - Ti 6Al-4V ELI

Prosthetics

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	Height	Cat. Number
5 mm	3 mm	CO-6030

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

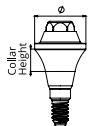


Retention Cap POM (Polyacetal)		
Color	Retention	Cat. Number
Transparent	Standard	CO-6020
Pink	Soft	CO-6021
Yellow	Extra soft	CO-6022

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

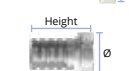
* All angulated Multi-Unit abutments Includes screw CO-MUS65+CT-MUP10.

Healing Cap for Multi-Unit Abutment



Material	Feature	Diameter	Height	Cat. Number
Titanium	Healing Cap	5 mm	4.2 mm	MU-50HC

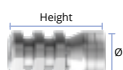
Sleeves for Multi-Unit Abutment



Material	Feature	Diameter	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

* All sleeves Includes screw MU-S020.

Transfer for Multi-Unit Abutment

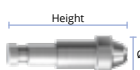


Diameter	Height	Cat. Number
5 mm	11 mm	MU-5060
5 mm	9 mm	MU-5080

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

* Includes screw MU-S060/ MU-S080



Multi-Unit Abutment Analog






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

Multi-Units






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 short Multi-Unit Ti-Base	MU-S010
	Screw for long Multi-Unit Ti-Base	MU-S020

* CO-SBMU Includes screw MU-SSB (Hand Tightend).

* MU-LTSST Includes screw MU-S020.

* MU-STSST Includes screw MU-S010.



Digital Solutions

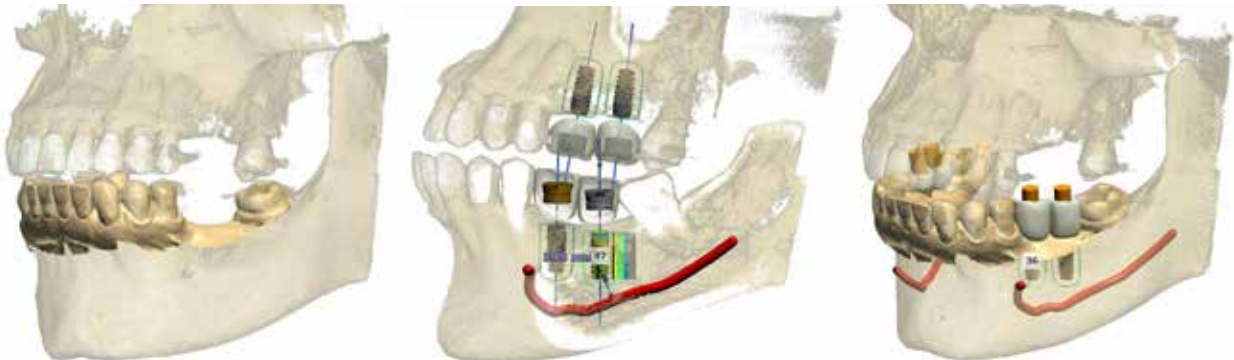
Guided Surgery & CAD/CAM Solutions



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.



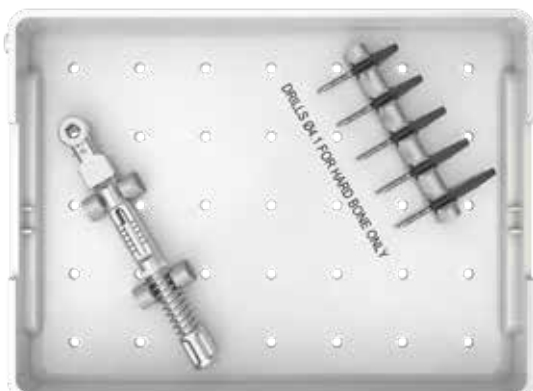
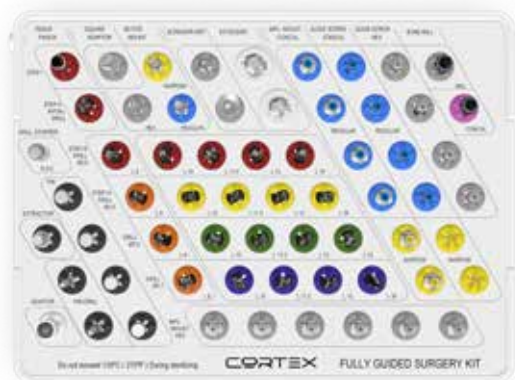
Guided Surgical Kit - CK-GS11

- Advanced drills design featuring: bone preserving geometry and external irrigation pass to reduce the heat produced during the drilling procedure.
- DLC (diamond-like-carbon) 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, Zirkozahn, Exocad, BlueSkyBio, Smop - Swissmeda.
- 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-Milled abutments.

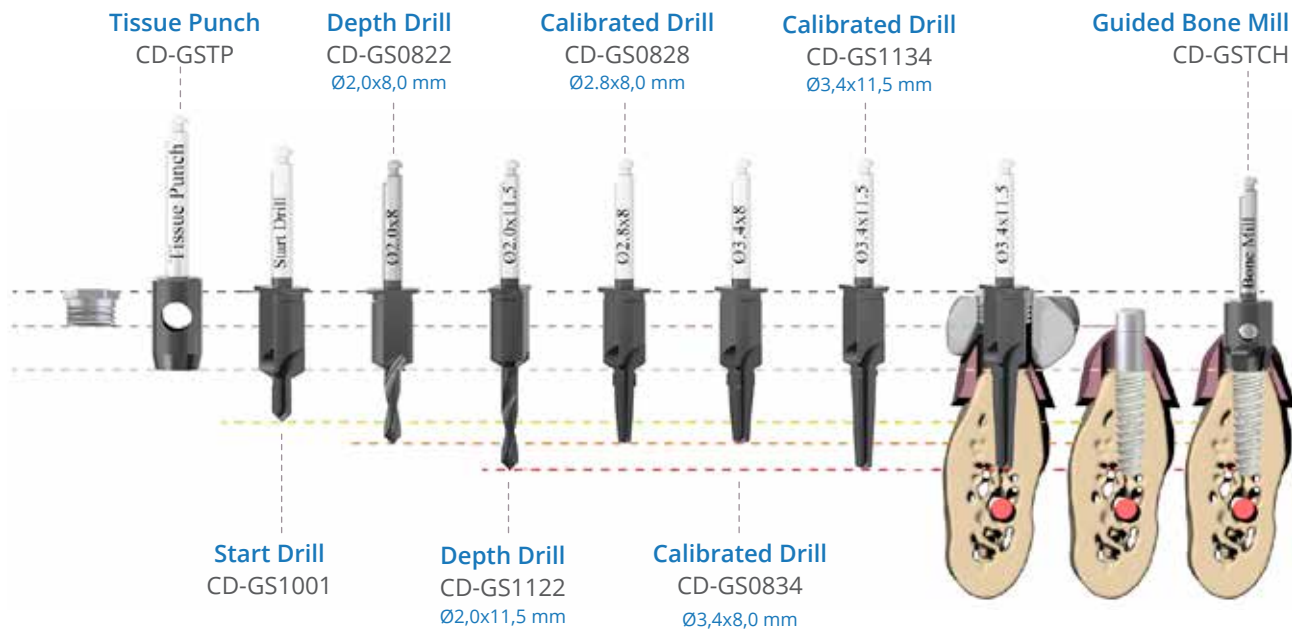
Fully Guided Surgery Kit CK-GS11 Layout






Implant site preparation

Preparation Diagram

The preparation diagram of the implant site is shown below as an example for $\varnothing 3.8\text{mm}$, length 11.5mm implant.



Cortex Guided Surgery Drills and Tools

Guided Surgery Fixation Pin Drill	
Description	Cat. Number
 <p>The fixation pin drill cuts at the tip. The drill should pass completely through the sleeve to guarantee a firm pin grip.</p>	CD-GSFP
Guided Surgery Fixation Pin	
Description	Cat. Number
 <p>The fixation pin fixes the surgical guide into position. The pin must be pushed all the way through the sleeve.</p>	CT-GSFP
Guided Surgery Tissue Punch	
Description	Cat. Number
 <p>This tool creates a 4.4 mm diameter mucotomy prior to the passage of drills when utilizing a flapless surgical technique.</p>	CD-GSTP

Guided Surgery Drills and Tools



Start Drill	
Description	Cat. Number
The start drill removes the mucosa cut by the mucotomy and prepares the cortical bone for the passage of the first drill.	CD-GS1001



Guided Surgery Depth Drill	
Description	Cat. Number
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



Guided Surgery Tapered Drill	
Description	Cat. Number
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

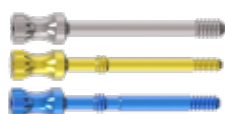


Guided Surgery Drill Stopper L2 Ø5	
Description	Cat. Number
Used to reduce 8mm length drills, allowing fully guided placement of L6mm implants.	CD-GSST52



Guided Surgery Implant Mount	
Description	Cat. Number
The main advantage of Cortex Guided Surgery. Used for FULLY GUIDED Implant insertion without removing the surgical guide.	CO-GS5090 (INT HEX), MPR-GS5090 (REGULAR CONICAL), MPN-GS5090 (NARROW CONICAL)

* Includes compatible screw



Implant mount screws		
Description	Thread	Cat. Number
Implant mount screw HEX	1-72 UNF	CO-GSS200
Implant mount screw MPN	M1.4	MPN-GSS200
Implant mount screw MPR	M1.6	MPR-GSS200



HandPiece Screwdriver 1.25 L10mm	
Description	Cat. Number
Handpiece screwdriver for tightening the implant mount screw and other prosthetic screws. Length 10mm.	CT-D110



Manual Screwdriver	
Description	Cat. Number
Manual screwdriver for tightening the implant mount screw and other prosthetic screws. Length 10mm.	CT-0220A



Handpiece Implant Driver For Direct Implant Interface (Int. HEX)	
Description	Cat. Number
Length 15mm	CT-H215



Handpiece Implant Driver For Direct Implant Interface (Conical Narrow Platform)	
Description	Cat. Number
Length 15mm	MCT-N215



Handpiece Implant Driver For Direct Implant Interface (Conical Regular Platform)	
Description	Cat. Number
Length 15mm	MCT-R215



Square Adaptor	
Description	Cat. Number
Used as an adapter between the handpiece drivers and square ratchet.	CT-0232



Guided Surgery Motor Adaptor	
Description	Cat. Number
Connector for guiding the implant mount with surgical handpiece. Max torque 60Ncm.	CT-GS400

Guided Surgery Short Extension For Ratchet

Description	Cat. Number
-------------	-------------



Extension for connecting the torque wrench and the implant mount. Max torque 60Ncm. CT-GSS440

Guided Surgery Extension For Ratchet

Description	Cat. Number
-------------	-------------



Long extension for connecting the torque wrench and the implant mount. Max torque 60Ncm. CT-GS440

Guided Surgery Extractor For Implant Mount

Description	Cat. Number
-------------	-------------



Used for removing jammed implant mount from the surgical guide. CT-GS262

Guided Surgery Screws For Bone Mill

Description	Cat. Number
-------------	-------------



Used for guiding the bone mills after removing the surgical guide. CO-GS7000 (INT HEX)
MPR-GS7000 (REGULAR CONICAL)
MPN-GS7000 (NARROW CONICAL)

Guided Surgery Tapered Bone Mill

Description	Cat. Number
-------------	-------------



Used to remove the residual crestal bone to make site preparation for the abutments. To be used AFTER removing the surgical guide. CD-GSTCH (INT HEX)
CD-GSTCC (CONICAL)

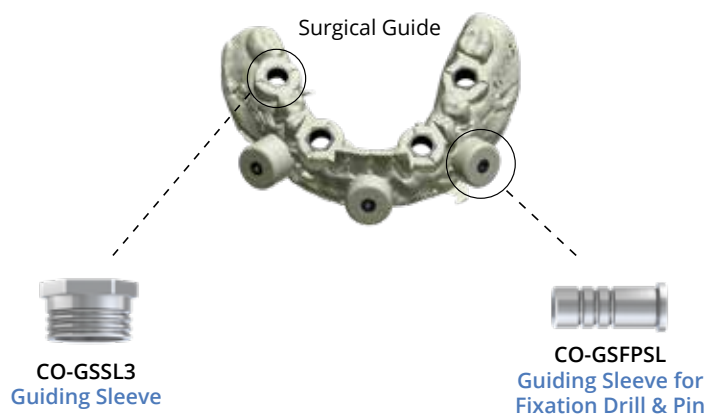
Torque Ratchet 15-100 (Ncm)

Description	Cat. Number
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Used with all applicable components. CT-0863

Cortex Guiding Sleeves








Components for Stone Model Analog Manufacturing


Description			Cat. Number
Guided Pin Screw For Model Casting			Guided pin screw for model casting MPR-GSPS (REGULAR CONICAL) MPN-GSPS (NARROW CONICAL) CO-GSPS (INT HEX)
Guiding Sleeve			
Guided Cylinder For Model Casting			Guided Cylinder For Model Casting MPR-GSCL (REGULAR CONICAL) MPN-GSCL (NARROW CONICAL) CO-GSCL (INT HEX)
Implant Analog			





Components for Digital Model Analog

Digital Implant Analogs		
	Description	Cat. Number
	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
	* Packed with compatible pin CT-FPDA	

Fixation Pin For Digital Analog		
	Description	Cat. Number
	Used for fixing the analog inside the digital model.	CT-FPDA



CAD CAM

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
- Intra-oral / Extra-oral use
- Built-in screw

Titanium Bases

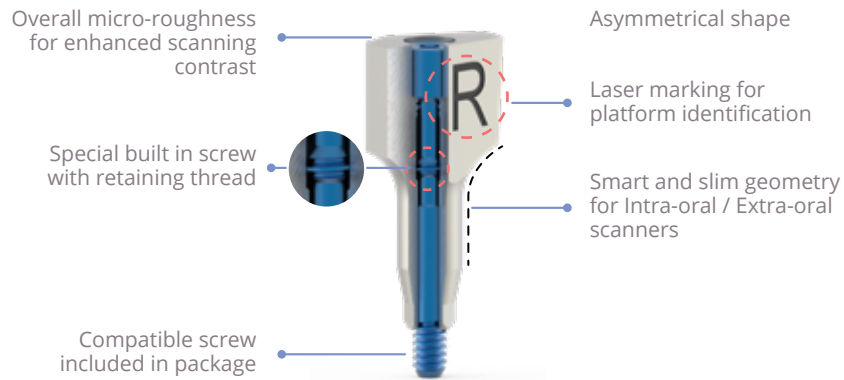
Titanium bases (Ti-Bases) are used as joining structures for ceramic restorations such as: Hybrid-Abutments and Screw Retained Crowns and Bridges. Cortex Ti-Bases are produced in accordance with our strict precision and quality standards, ensuring superior aesthetic results.

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).

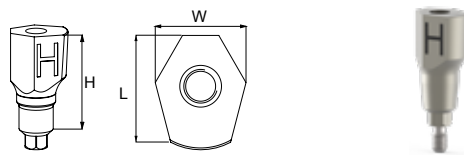
Conical connection Ti-Bases include an anodized connecting screw, compatible with the implant's platform and in accordance with Cortex Conical connection color coding system.



Scan Body



Internal Hex



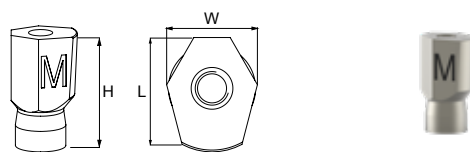
Cat. Number	CO-SBZZ
W [mm]	5
L [mm]	6
H [mm]	11

Conical Connection



Cat. Number	MPN-SBZZ	MPR-SBZZ	MPW-SBZZ
W [mm]	4	4	5
L [mm]	6	6	6
H [mm]	11	11	11

Multi-Unit



Cat. Number	CO-SBMU
W [mm]	5
L [mm]	6
H [mm]	11

Scan Body - Screw

Internal Hex

Conical Connection

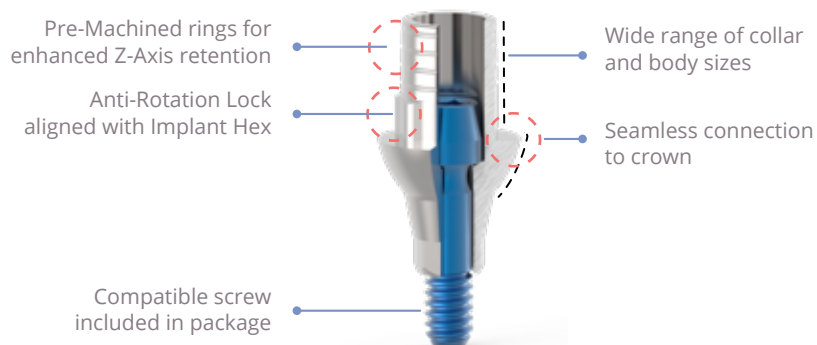
Multi Unit



Cat. Number	CO-S030	MPN-SSB	MPR-SSB	MPW-SSB	MU-SSB
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- * Overall height from Implant top surface = 11mm
- * Includes compatible screw
- * Manual Screw Tightening

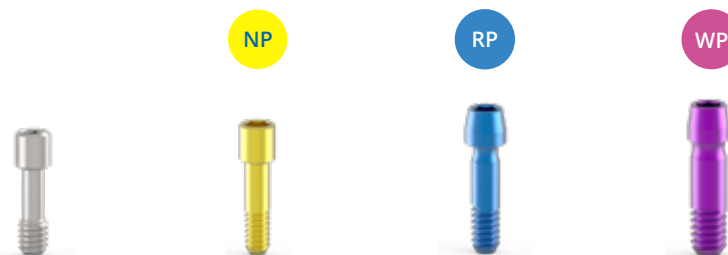
Ti-Base - Lock (Engaged)



Ti-Base - Screw

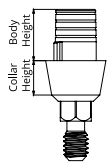
Internal Hex

Conical Connection



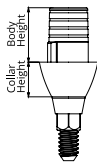
Cat. Number	CO-S030	MPN-S030	MPR-S030	MPW-S030
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Internal Hex



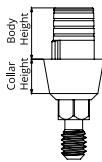
Cat. Number	CO-TBH1	NEW CONCAVE CO-TBH1C	CO-TBH2	NEW CONCAVE CO-TBH2C	CO-TBH3	NEW CONCAVE CO-TBH3C	CO-TBH4	NEW CONCAVE CO-TBH4C
Collar Height [mm]	1	1	1	1	3	3	3	3
Body Height [mm]	4	4	6	6	4	4	6	6
Torque [Ncm]	30	30	30	30	30	30	30	30

Conical Connection



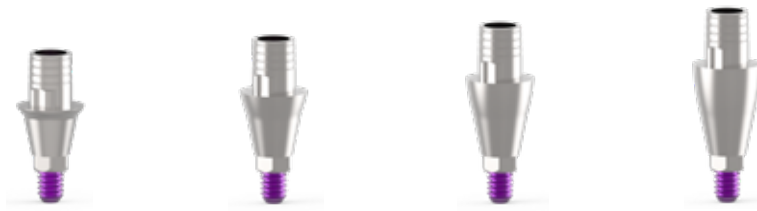
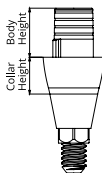
NP

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



RP

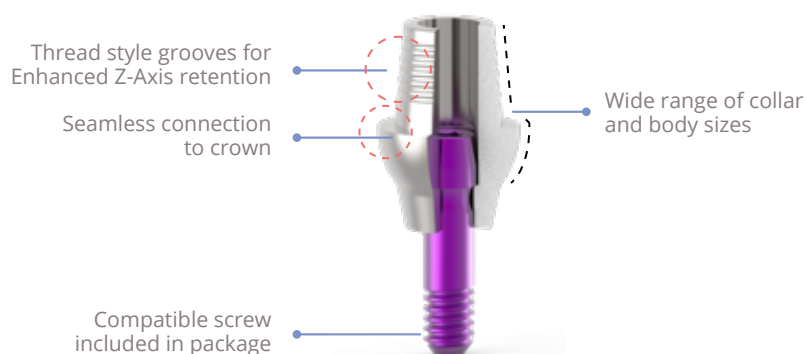
Cat. Number	MPR-TBH1	MPR-TBH2	MPR-TBH3	MPR-TBH4
Collar Height [mm]	1	2	3	4
Body Height [mm]	4	4	4	4
Torque [Ncm]	30	30	30	30



WP

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

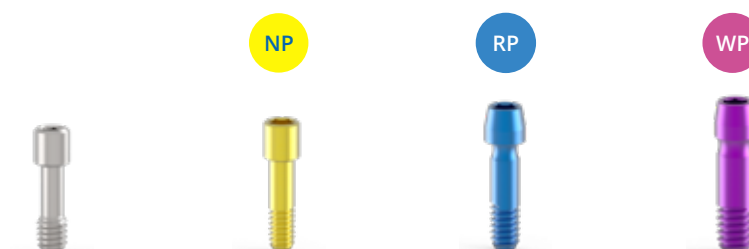
Ti-Base - No Lock (Non Engaged)



Ti-Base - Screw

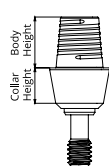
Internal Hex

Conical Connection



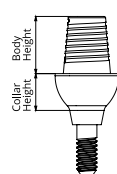
Cat. Number	CO-S030	MPN-S030	MPR-S030	MPW-S030
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Internal Hex



Cat. Number	CO-TBR1	NEW CONCAVE CO-TBR1C	CO-TBR2	NEW CONCAVE CO-TBR2C	CO-TBR3	NEW CONCAVE CO-TBR3C	CO-TBR4	NEW CONCAVE CO-TBR4C
Collar Height [mm]	1	1	1	2	3	3	3	3
Body Height [mm]	4	4	6	6	4	4	6	6
Torque [Ncm]	30	30	30	30	30	30	30	30

Conical Connection



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

NP



RP

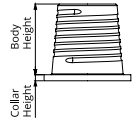
Cat. Number	MPR-TBR1	MPR-TBR2	MPR-TBR3	MPR-TBR4
Collar Height [mm]	1	2	3	4
Body Height [mm]	4	4	4	4
Torque [Ncm]	30	30	30	30



WP

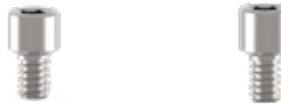
Cat. Number	MPW-TBR1	MPW-TBR2	MPW-TBR3	MPW-TBR4
Collar Height [mm]	1	2	3	4
Body Height [mm]	4	4	4	4
Torque [Ncm]	30	30	30	30

Multi-Unit Ti-Base



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

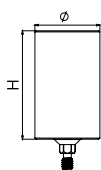
Multi-Unit Ti-Base Screw



Cat. Number	MU-S010	MU-S020
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Pre-Milled abutments

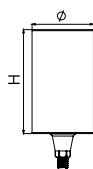
Internal Hex



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

* Includes compatible screw CO-S030

Conical Connection



NP

RP

WP



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

* Includes compatible screw

Screws

NP

RP

WP

Internal Hex

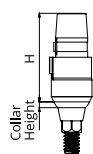
Conical Connection



Cat. Number	CO-S030	MPN-S030	MPR-S030	MPW-S030
Thread	1-72-UNF	M1.4	M1.6	M2

Scan Post

CEREC®
Compatible



Internal Hex

Conical Connection

NP

RP

WP



Cat. Number	CO-SPCRC	MPN-SPCRC	MPR-SPCRC	MPW-SPCRC
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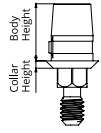
* Manual tightening

* Includes compatible screw

CEREC Compatible Components

Ti-Base - Lock (Engaged)

CEREC®
Compatible



Internal Hex



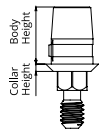
Conical Connection

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

* Includes 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

* Includes compatible screw

Screw



Internal Hex



Conical Connection

Cat. Number	CO-S030	MPN-S030	MPR-S030	MPW-S030
Thread	1-72-UNF	M1.4	M1.6	M2

Surgical instruments



Surgical Instruments

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 3.3mm 3.8mm, 4.2mm.

* 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

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



Surgical Kits - Conical Connection

CORKit Basic - CK-0042					
Qty.	Cat. Number	Qty.	Cat. Number	Qty.	Cat. Number
1	CT-0410	1	CD-C042	1	CT-0231
1	CT-0413	1	CD-5010	1	MCT-N215
1	CD-1001	1	CT-D115	1	MCT-R215
1	CT-0260	1	CD-5003	1	MCT-W215
1	CT-0801	1	CD-C038		



* The CORkit basic surgical kit is used for placement of all Cortex's implants with diameters 3.3mm 3.8mm, 4.2mm.

* For larger diameters, additional drills are required.

CORKit Premium - 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		



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

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 implant diameters, additional tools 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	1	MCT-W210

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

- 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.

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

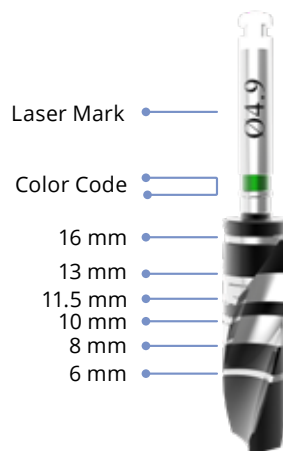
* Required for dense bone type D1, D2.

Cortex Drills System

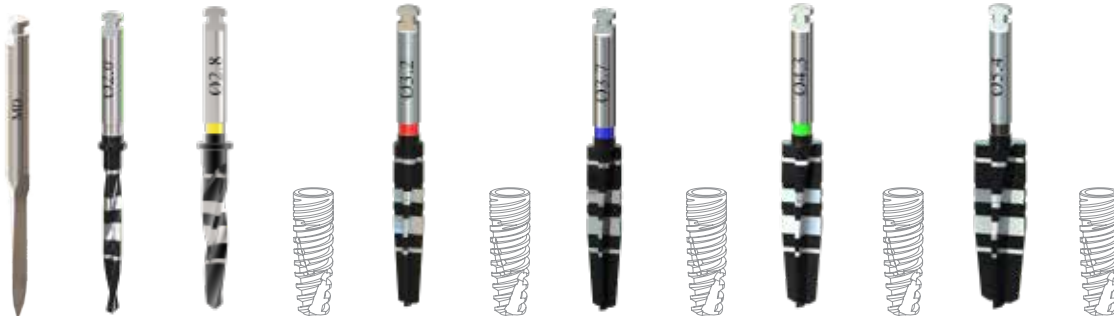
The special conical drill design enables efficient cutting and bone harvesting for autografting.

Drill Markings

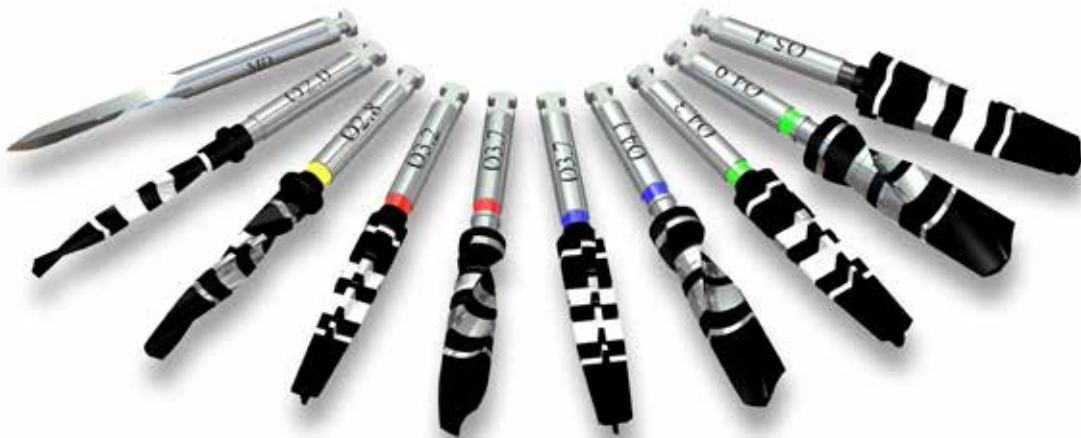
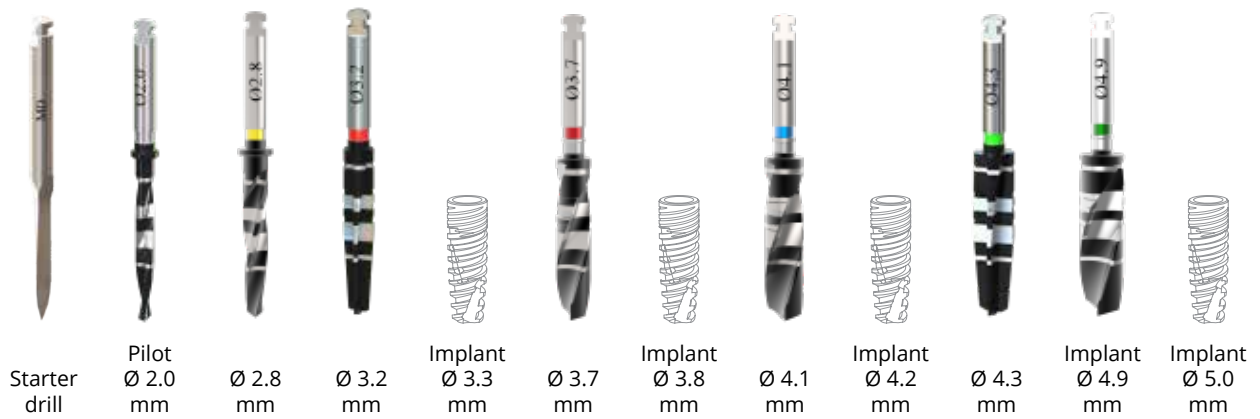
The drills are laser marked for depth reference and are measured from the cutting tip by steps of 6 mm, 8 mm, 10 mm, 11.5 mm, 13 mm and 16 mm.



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



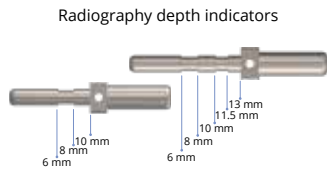
Designed by Dr. Meir Mamraev DMD

* 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



Radiography depth indicators



General Tools	
Length	Cat. Number
Guide Pins	
10 mm	CT-0410
13 mm	CT-0413
Distance Indicator Tool	
	CT-0705
* Used for measuring the distance between the implants with slots for marking.	
Drill Extention	
29 mm	CT-0260
Square Abutment Extractor Key (26 mm)	
26 mm	CT-S262
* Used for extraction of the abutment from the implant without causing stress to the implant and the surrounding bone tissue.	
Holding Key	
	CT-0242
* Used for removing the Pre-Assembled premium abutment	
Depth Probe	
	CT-0710
* Used for osteotomy depth measuring and bone integrity validation.	
* Used for gingival socket depth measuring.	
Direct Handle Driver (Internal Hex)	
	CT-0510
* 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.	
Direct Handle Driver (Conical)	
	CT-0510C
* Used to drive implants into the osteotomy, particularly in the anterior region of the maxilla.	
* Working with CT-D110, CT-D115, CT-D120, CT-H207, CT-H210, CT-H215, CT-H220, MCT-N207, MCT-N210, MCT-N215, MCT-N220, MCT-R207, MCT-R210, MCT-R215, MCT-R220, MCT-W207, MCT-W210, MCT-W215, MCT-W220.	



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 69



Torque Ratchet	
Torque Ratchet (10-40 Ncm), Hex 6.35 mm	CT-0861
Torque Ratchet (15-100 Ncm), Square 4 mm	CT-0863

* Designed to place both implants and abutments with the distinct torque settings scale which adjusts the torque level.
* Simple rotation of the handle's tip adjusts the torque level.

Tools for Smart 1 Piece

Cat. Number



Square and Hex Driver For Smart 1 Piece	CM-0031
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Smart 1 Piece Adaptor	CM-0032
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Hex Driver Mount For Smart 1 Piece	CM-0041
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* Used for installation of Smart 1 Piece implants.

Length



Driver 1.25 mm		
Description	Length	Cat. Number
NEW Prosthetic Hand Driver Hex 1.25	7 mm	CT-0219
Prosthetic Hand Driver Hex 1.25	10 mm	CT-0220
NEW Prosthetic Hand Driver Hex 1.25	18 mm	CT-0224
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

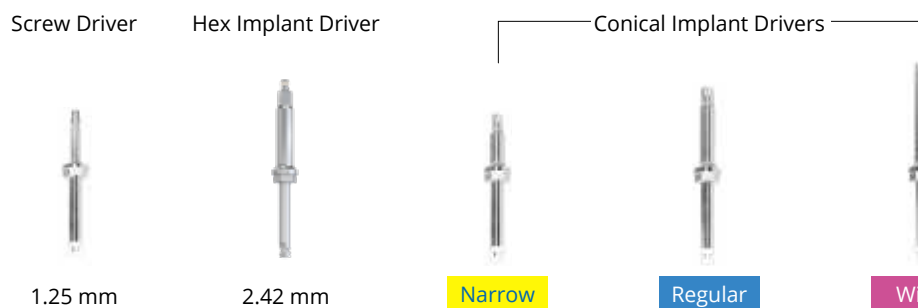
* For installation or removal of cover screws, healing caps, abutment screws and multi-unit system components.
* The motor-mount is used with a latch type contra-angle hand piece.



Driver 2.42 mm			
Description	Length	Cat. Number	
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	Cat. Number	Cat. Number	Cat. Number	Cat. Number	Cat. Number
NEW 7 mm		CT-H207	MCT-N207	MCT-R207	MCT-W207
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.
- * Working with CT-0230, CT-0231, CT-0232, and CT-0510C.

Appendix

Cleaning procedure for surgical Basic, Prime & Premium Kits and Instrumentation

- Disassemble the surgical kit and wash the tray using an Enzymatic detergent solution. Rinse the tray with water thoroughly.
- Place the instruments in a beaker of an Enzymatic detergent solution and sonicate for approximately 20 minutes. Let air dry for approximately 5 minutes
- Use only a natural/mild pH Enzymatic detergent 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, abundant rinsing with distilled or demineralized water should be applied for at least 1 min. Use quality water in accordance with local regulations.
- Let air dry for 5 minutes.
- 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. 10. 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.

Make sure all instruments are properly dried prior to sterilization 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

Steam sterilization - according to the detergent used table

- 135°C (~270°F) 10 minute exposure / 30 minute dry time
- Do not exceed 140°C (284F). 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

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BCDL-1033	Magix Dental Implant Ø3.3 L10mm Prime	15	BCSC-1150	Classix Dental Implant Ø5.0mm L11.5mm Prime	31
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PCSC-1350	Classix Dental Implant Ø 5.0mm L13mm Premium	31	PCSD-1360	Dynamix Dental Implant Ø 6.0mm L13mm Premium	30
PCSC-1360	Classix Dental Implant Ø 6.0mm L13mm Premium	31	PCSD-1633	Dynamix Dental Implant Ø 3.3mm L16mm Premium	30
PCSC-1633	Classix Dental Implant Ø 3.3mm L16mm Premium	31	PCSD-1638	Dynamix Dental Implant Ø 3.8mm L16mm Premium	30
PCSC-1638	Classix Dental Implant Ø 3.8mm L16mm Premium	31	PCSD-1642	Dynamix Dental Implant Ø 4.2mm L16mm Premium	30
PCSC-1642	Classix Dental Implant Ø 4.2mm L16mm Premium	31	PST-0838	Saturn Dental Implant Ø 3.8mm L8mm Premium	32
PCSD-0642	Dynamix Dental Implant Ø 4.2mm L6mm Premium	30	PST-0842	Saturn Dental Implant Ø 4.2mm L8mm Premium	32
PCSD-0650	Dynamix Dental Implant Ø 5.0mm L0.6mm Premium	30	PST-1038	Saturn Dental Implant Ø 3.8mm L10mm Premium	32
PCSD-0660	Dynamix Dental Implant Ø 6.0mm L0.6mm Premium	30	PST-1042	Saturn Dental Implant Ø 4.2mm L10mm Premium	32
PCSD-0838	Dynamix Dental Implant Ø 3.8mm L8mm Premium	30	PST-1138	Saturn Dental Implant Ø 3.8mm L11.5mm Premium	32
PCSD-0842	Dynamix Dental Implant Ø 4.2mm L8mm Premium	30	PST-1142	Saturn Dental Implant Ø 4.2mm L11.5mm Premium	32
PCSD-0850	Dynamix Dental Implant Ø 5.0mm L8mm Premium	30	PST-1338	Saturn Dental Implant Ø 3.8mm L13mm Premium	32
PCSD-0860	Dynamix Dental Implant Ø 6.0mm L8mm Premium	30	PST-1342	Saturn Dental Implant Ø 4.2mm L13mm Premium	32
PCSD-1033	Dynamix Dental Implant Ø 3.3mm L10mm Premium	30	PST-1638	Saturn Dental Implant Ø 3.8mm L16mm Premium	32
PCSD-1038	Dynamix Dental Implant Ø 3.8mm L10mm Premium	30	PST-1642	Saturn Dental Implant Ø 4.2mm L16mm Premium	32
PCSD-1042	Dynamix Dental Implant Ø 4.2mm L10mm Premium	30	R9000-R	Pre-Mill Block - Hex.	59
PCSD-1050	Dynamix Dental Implant Ø 5.0mm L10mm Premium	30	S9000-R	Pre-Mill Block - Regular Platform	59
PCSD-1060	Dynamix Dental Implant Ø 6.0mm L10mm Premium	30	S9020-R	Pre-Mill Block - Wide Platform	59
PCSD-1133	Dynamix Dental Implant Ø 3.3mm L11.5mm Premium	30	S9030-R	Pre-Mill Block - Narrow Platform	59
PCSD-1138	Dynamix Dental Implant Ø 3.8mm L11.5mm Premium	30			
PCSD-1142	Dynamix Dental Implant Ø 4.2mm L11.5mm Premium	30			
PCSD-1150	Dynamix Dental Implant Ø 5.0mm L11.5mm Premium	30			
PCSD-1160	Dynamix Dental Implant Ø 6.0mm L11.5mm Premium	30			



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