



Cobalt Chrome Abutment Cylinder Instructions for Use

Indications

Intra-Lock® Cobalt Chrome Abutment Cylinders are used with Intra-Lock® dental implants to create custom prosthetics in partially or fully edentulous patients and can be used in the mandible or maxilla. The abutments may be used in single and/or multiple tooth application in the mandible or maxilla.

Contraindications

Patients with alcohol addiction or psychiatric disorders, blood dyscrasias, uncontrolled diabetes, hyperthyroidism, oral infections, malignancies or patients who have had myocardial infarction within the last 12 months.

Patients with systemic diseases that compromise the immune system, such as AIDS, patients on medications that would compromise healing of an implant site, patients with a history of poor or noncompliance to oral hygiene procedures, or patients who cannot maintain oral hygiene procedures if implants are placed.

Tobacco usage, bruxism, nail biting, and pencil biting increases the occurrence of complications and failures.

Additionally, do not use with patients who have a hypersensitivity to one or more of the metals contained in the alloy.

Material

Intra-Lock® Cobalt Chrome Abutment Cylinders are from non-magnetic cobalt chromium molybdenum alloy, that meets the requirements of ASTM F75, ASTM F1537 and ISO 5832.

Technical data is available for cobalt chrome material upon request.

The dental implants and retention screws are manufactured from titanium alloy (Ti 6Al-4V) to ASTM F136.

How Supplied    

Intra-Lock® Cobalt Chrome Abutment Cylinders are non-sterile and intended for single use only. Abutments should be sterilized prior to use by the instructions provided.

Prior to using Intra-Lock® Cobalt Chrome Abutment Cylinders, inspect packaging and labeling for integrity. If the device is opened, damaged or contaminated in any way, DO NOT USE.

Sterilization 

Intra-Lock® Cobalt Chrome Abutment Cylinders may be sterilized using a full cycle pre-vacuum steam sterilization at a temperature of 132°C for an exposure time of 3 minutes with 5 minutes of drying time.

Processing Information

Casting: Use cobalt/chromium alloys and propane/oxygen or acetylene/oxygen. The thickness of the material after casting must be at least 0.5mm.

Soldering: Regular solders on a Cobalt Chromium Molybdenum base can be used. Never use a gold or palladium solder with cobalt/chromium alloys.

Welding: After casting the framework, fit it to the prefabricated Cobalt Chrome cylinders. Using a laser weld, weld the cylinders to the framework at the marginal and top regions.

Warnings

- Dental implant surgery is a complex dental procedure. Appropriate and adequate training in all phases of implant procedures and proper technique is strongly recommended prior to implant use.
- Improper patient selection, diagnosis, treatment planning or technique can result in implant failure and/or loss of supportive bone.
- Care must be taken if performing electrosurgery around a dental implant. Electrosurgery generates heat, which can be conducted through a metallic implant and cause damage to surrounding tissue or bone.
- The external surface of Intra-Lock® Dental Implants should only come in contact with titanium surfaced instruments.

Warning

Caution: Federal law restricts this device to sale by or on the order of a licensed dentist or physician.



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