

INSTRUCTIONS FOR USE COBALT CHROME ABUTMENT CYLINDER

Description

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. The retention screw is manufactured from titanium alloy (Ti 6Al-4V) to ASTM F136.

Chemical composition (mass%):

62% Cobalt; 28% Chromium; 6% Molybdenum and ≤1% Nickel, Silicon, Iron and Manganese.

Density: 8.27 g/cm³ (0.299 lb/in³)

Coefficient of thermal expansion at 500°C (932°F) • 14.15 x 10⁻⁶ in/in per °C (7.86 x 10⁻⁶ in/in per °F)

Additional technical data is available for cobalt chrome material, as necessary upon request.

Intended use

Intra-Lock[®] Cobalt Chrome abutments 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.

Contraindications

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

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.

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



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