

Mediloy® – The BEGO Cobalt-Chrome and Titanium CAD/CAM Materials

On the basis of decades of research and continuous innovation BEGO is an alloy expert.

Furthermore we provide market-leading CAD/CAM process expertise. Now we bundle our abilities in our Mediloy® CAD/CAM alloys. You can trust in our outstanding „Made in Germany“ quality!

Mediloy® S-Co

The non-precious alloy for the additive production of dental restorations

- Type 5 cobalt-based dental alloy
- Composition of cobalt, chrome, wolfram and molybdenum
- **Metal powder** especially developed for the SLM production process
- Suitable for the production of **dental restorations**
- Excellent flow properties during the production process with its homogeneous particle shape and distribution
- Smooth and cavity-free framework surface thanks to the homogeneous, pore-free structure
- Wide range of indications:
 - Crowns & bridges (including metal ceramic)
 - Partial denture frameworks
 - Implant prosthesis
 - Orthodontic applications
- Compatible for processing on SLM systems from e.g. Renishaw, Trumpf, Nikon SLM, EOS and Concept Laser



Mediloy® RPD

The non-precious alloy for the additive production of partial denture frameworks

- Type 5 cobalt-based dental alloy
- Composition of cobalt, chrome and molybdenum
- **Metal powder** especially developed for the SLM production process
- Suitable especially for the production of **partial denture frameworks**
- Excellent flow properties during production due to the ideal spherical particle shape
- Optimal activation of the clasps thanks to the high ductility of the material
- High fatigue strength thanks to the homogeneous and pore-free material structure
- Mediloy® RPD also meets the requirements of the US standard ASTM F-75 for surgical implants
- Compatible for processing on SLM systems from e.g. Renishaw, Trumpf, EOS, Profeta und 2OneLab



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Mediloy® M-Co

The BEGO cobalt-chrome milling blanks

- Type 4 alloy (according to ISO 22674)
- Biocompatible and corrosion-resistant, nickel-, cadmium and beryllium-free
- Special heat treatment makes it particularly easy to mill
- Reduced hardness of 290 HV10 enables easier polishing
- Homogeneous structure – no cavities or porosities
- Available in the strengths
 - without shoulder: 8, 10, 12, 14, 16, 18, 20, 22 and 25 mm
 - with shoulder: 12, 14, 16, 18, 20, 22 and 25 mm
- Scope of application:
 - Metal-ceramic crowns and bridges
 - Implant prosthetics



Mediloy® M-Ti4

The BEGO pure titanium milling blanks

- Improved surface with further optimized cutting ability
- Biocompatible and corrosion-resistant, nickel-, cadmium and beryllium-free
- Low hardness of 225 HV10 allows very easy polishing
- Available with shoulder: heights 12, 14, 16, 18, 20, 22, 25 mm
- Scope of application:
 - Metal-ceramic crowns and bridges
 - Abutments
 - Bars



Mediloy® M-Ti5

The BEGO titanium milling blanks

- Improved surface with further optimized cutting ability
- Biocompatible and corrosion-resistant, nickel-, cadmium and beryllium-free
- Larger spans possible due to very high strength
- Available with shoulder: heights 12, 14, 16, 18, 20, 22, 25 mm
- Scope of application:
 - Metal-ceramic crowns and bridges
 - Abutments
 - Bars



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