



The BEGO cobalt-chrome milling blanks

MEDILOY® M-CO

Partners in Progress



Mediloy[®] M-Co

The BEGO cobalt-chrome milling blanks

Thanks to decades of research and continuous innovation, we are specialists in dental alloys today. Furthermore, we provide market-leading CAD/CAM process expertise. Now we pool our skill sets and pour them into our Mediloy[®] CAD/CAM alloys. You can rely on our “Made in Germany” top quality!



Images and illustrations are examples. Colors, symbols, designs, and information on the depicted labels and/or packaging may differ from reality.

**OUTSTANDING
MILLABILITY,
LOW TOOL WEAR**

Mediloy[®] M-Co

Special features at a glance

The advantages for you

- Approved for crowns and bridges, metal-ceramics as well as implant prosthetics
- Biocompatible and corrosion-resistant like all BEGO alloys*
- The special heat treatment used in production provides the user with
 - a reduced tool wear while milling by up to 30%
 - a homogeneous structure – no cavities or porosities
 - a material that is particularly easy to mill
- Reduced hardness of 290 HV10 enables easier polishing
- Available without shoulder: height 10 mm; with shoulder: heights 12, 14, 16, 18, 20, 22, 25 mm



* Biocertificates can be found online at bego.com
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REDUCED HARDNESS OF 290 HV10, EASY POLISHING

Mediloy[®] M-Co

Technical details

Product details

Composition in % by mass

Co 63.8 · Cr 24.8 · W 5.3 · Mo 5.1 · Si 1.0

Alloy characteristics

Type (accord. to ISO 22674)	4
Density	8.6 g/cm ³
Young's modulus	235 GPa
0.2% proof strength (R _{p0.2})	375 MPa
Elongation after fracture (A ₅)	27%
Vickers hardness	290 HV10
Coefficient of thermal expansion (CTE) 25–500°C, 10 ⁻⁶ K ⁻¹	14.4

Availability

Availability	Diameter	Contents	REF
Mediloy [®] M-Co 10 mm	98.0 mm	1 piece	50940
Mediloy [®] M-Co 12 mm with shoulder	98.0 mm	1 piece	50951
Mediloy [®] M-Co 14 mm with shoulder	98.0 mm	1 piece	50952
Mediloy [®] M-Co 16 mm with shoulder	98.0 mm	1 piece	50953
Mediloy [®] M-Co 18 mm with shoulder	98.0 mm	1 piece	50954
Mediloy [®] M-Co 20 mm with shoulder	98.0 mm	1 piece	50955
Mediloy [®] M-Co 22 mm with shoulder	98.0 mm	1 piece	50956
Mediloy [®] M-Co 25 mm with shoulder	98.0 mm	1 piece	50957

SPECIAL HEAT TREATMENT MAKES IT
PARTICULARLY EASY
TO MILL

Mediloy® M-Co

Economic advantages for your laboratory

The key question: Is Mediloy® M-Co economically viable for my laboratory?

Find out for yourself by calculating your previous costs per milled unit, including tool wear, and comparing them to Mediloy® M-Co.

When using Mediloy® M-Co, after a while you will discover that your costs for tools and their wear are decreasing significantly, thanks to the excellent milling properties of the material.

In addition to these outstanding, approved properties you also benefit from the reliable compatibility of BEGO partial denture alloys, Wirobond® C+ SLM frameworks (e.g., primary crowns) and units milled from Mediloy® M-Co (e.g., crowns/secondary crowns).

Good economic
efficiency –
low tool wear!



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www.bego.com

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