



Wallex® ASTM F75 CoCrMo Disc.

Wallex® Cobalt-Chromium Discs

(ASTM F75 CoCrMo, CoCrW, CoCrMoW)

Wallex® Discs for Biomedical Applications, such as Orthopedic and Dental Implants, for use with Ceramic CAD/CAM Applications

Wallex® Cobalt-Chromium discs have excellent mechanical properties, including high strength, wear and corrosion resistance, and proven biocompatibility. All of which provide versatility for use in many different industries, often chosen for Biomedical applications, such as orthopedic and dental implants, for use with CAD/CAM ceramic applications.

Wallex® Cobalt-Chromium Discs are manufactured by Hot Isostatic Pressing (HIP), converted from [Wallex® Cobalt-Chromium Additive Manufacturing Powders](#): Wallex® ASTM F75 CoCrMo, Wallex® CoCrW, Wallex® CoCrMoW.

This process ensures that the discs are free of porosity & intermetallic inclusions, finer, uniform grain structure and improved mechanical properties resulting in a more repeatable product.

Wallex® F75 CoCrMo, Wallex® CoCrW, and Wallex® CoCrMoW additive manufacturing alloys offer maximum flexibility and compatibility with a wide range of ceramics, thanks to their optimal coefficient of linear thermal expansion.

Designed for high performance in biomedical applications, such as dental implants, Wallex® CoCr alloys feature low nickel content (<0.1%) with special care taken to avoid contamination with Beryllium, Cadmium, Gallium, and Lead, which is within guidelines of desired industry regulations.

Nominal Composition - % by Weight:

Wallex®	Cr	Mo	W	Co
ASTM F75 CoCrMo	28.5	6.0	0.0	Bal
CoCrW	28.0	0.0	10.0	Bal
CoCrMoW	27.0	6.0	5.0	Bal

Disc can be produced and provided as finished HIPped bar and as complete turnkey solution to a range of diameters and lengths.

Updated February 2025