

IBCoCr

1. General description

The laser welding wire CoCr is an alloy according to DIN EN ISO 6871-1 "dental cast alloy free of precious metals, Part 1 : Cobalt-based-alloys" in wire form.

The alloy is used in dentists' labs to assist in the welding of dental prostheses made of cobalt-chrom-based-alloys.

2. Chemical components and material properties

The Chemical components and material properties of the laser welding wires CoCr, are according to DIN EN ISO 6871-1 "dental cast alloy free of precious metals, Part 1: Cobalt-based-alloys"

3. Specified normal usage

Specified normal usage as a laser welding additive for dental work.

4. Classification of the product

Custom-made products manufactured from dental alloys and laser welding wires CoCr are invasive products intended for long-term application to the roof of the mouth and throat.

[Medical product-directives 93/42/EWG, appendix IX, rule 5]. Classification: class IIa

Recommended for basic materials:

Aluminium – Silicon – alloys up to 7 % Si, Dissimilar Al-alloys

Material analysis:

Co	Cr	Mo	Mn	Si	C	Fe
Rest	27	5,3	<0,8	<0,4	< 0,15	< 0,2

(test certificates upon request.)

Standard / Mechanical values:

Ø	N / mm ²	elongation AL100	Items on stock	
			rods	spools
0,25				
0,35				
0,4				
0,5				