

CuCoNiBe

Cobalt Nickel Beryllium Copper

Norms	Description	Applications
UNS C17500 DIN 2.1285 R.W.M.A. Class III	Strongly hardened copper alloy with high hardness and good electrical and thermal conductivity.	<ul style="list-style-type: none"> ● Spot Welding Electrodes ● Seam Welding Wheels / Discs for Stainless Steel Sheets ● Mesh Welding Electrodes ● Butt Welding Electrodes ● Plunger Tips for Cold Chamber Aluminum Die Casting ● Moulds for Non-Ferrous Metal Casting.

Chemical Composition		Mechanical Properties		Physical Properties	
Co	1,1 %	Hardness	220 - 260 HB	Electrical Conductivity	min. 44 % IACS
Ni	1,1 %	Tensile Strength	700 - 900 N/mm2	Thermal Conductivity	200 - 220 W/mK
Be	0.5 %	Yield Strength	490 - 550 N/mm2	Density	8.75 g/cm3
Cu	Balance	Elongation (L=5D)	> 8 %		

Available Forms	Delivery Conditions
	Forged and solution heat treated.

STANDARDS & CERTIFICATION

The quality control process is certified with **UNI EN ISO 9001:2015**

In our laboratories, all products are controlled with Optical Emission Spektrometer (OXFORD INSTRUMENTS), hardness/ electrical conductivity tests with bench-type hardness measurements, mobile conductivity testers according to **DIN 3.1.B STANDARDS**.

On request We deliver our products with US Tested (second level ultrasonic report) by third-party independent laboratories

By phone

Türkiye (Turkish):
+90 (216) 394 1 666

International (English):
+90 (533) 594 4 389

Mon. – Thurs. 9:00 - 18:00 (GMT+3)
Friday 9:00 - 15:00 (GMT+3)

By mail

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