

CuCrZr

Chromium Zirconium Copper

Norms	Description	Applications
UNS C18150 DIN 2.1293 R.W.M.A. Class II	After hot forging, it gains high resistance and conductivity by precipitation hardening and thermal ageing process.	<ul style="list-style-type: none"> ● Spot Welding Electrodes ● Seam Welding Wheels / Discs for Mild Steel & Galvanised Steel Sheets ● Steel & Aluminum Continuous Casting Molds ● Ingot moulds for gravity die casting of brass & copper ● Electrodes of spark erosion machines (E.D.M.) ● Welding tools in plastic packaging.

Chemical Composition		Mechanical Properties		Physical Properties	
Cr	1 %	Hardness	130 - 160 HB	Electrical Conductivity	min. 78 % IACS
Zr	0,1 %	Tensile Strength	420 - 470 N/mm2	Thermal Conductivity	320 W/mK
Others	0,2 %	Yield Strength	330 - 370 N/mm2	Density	8.9 g/cm3
Cu	Balance	Elongation (L=5D)	18 %		

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 (262) 503 02 12

International (English):
+90 (262) 503 40 42

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

By mail

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