

## 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"> <li>● Spot Welding Electrodes</li> <li>● Seam Welding Wheels / Discs for Mild Steel &amp; Galvanised Steel Sheets</li> <li>● Steel &amp; Aluminum Continuous Casting Molds</li> <li>● Ingot moulds for gravity die casting of brass &amp; copper</li> <li>● Electrodes of spark erosion machines (E.D.M.)</li> <li>● Welding tools in plastic packaging.</li> </ul>

Chemical Composition	Mechanical Properties	Physical Properties
<b>Cr</b> 1 % <b>Zr</b> 0,1 % <b>Others</b> 0,2 % <b>Cu</b> Balance	<b>Hardness</b> 130 - 160 HB <b>Tensile Strength</b> 370 - 400 N/mm2 <b>Yield Strength</b> 300 - 320 N/mm2 <b>Elongation (L=5D)</b> 18 %	<b>Electrical Conductivity</b> min. 78 % IACS <b>Thermal Conductivity</b> 320 W/mK <b>Density</b> 8.9 g/cm3

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

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+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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