

CuCr

Chromium Copper

Norms	Description	Applications
UNS C18200 DIN 2.1291 R.W.M.A. Class II	In the vacuum interrupter of medium voltage switches, copper-chromium contacts are relied on to interrupt and connect the electrical circuit, in some cases they are even used up to 145 kV.	<ul style="list-style-type: none"> ● Moderate cold working. ● Bending applications. ● Resistance welding electrodes. ● Electrical industry components. ● Stamped parts. ● Relay springs. ● Semi-conductor components.

Chemical Composition		Mechanical Properties		Physical Properties	
Cr	0,6 - 1,2 %	Hardness	120 - 135 HB	Electrical Conductivity	76-80 % IACS
Others	0,2 %	Tensile Strength	>465 N/mm ²	Thermal Conductivity	320 W/mK
Cu	Balance	Yield Strength	450 N/mm ²	Density	8.9 g/cm ³
		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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