



Caster Copper Mould Tube

Integration Supply of High-Temp Material Solutions

The background image shows a large industrial furnace with multiple vertical channels containing bright orange molten metal. The furnace is constructed from dark metal frames and has several access doors with handles. The lighting is dramatic, highlighting the intense heat of the molten metal.

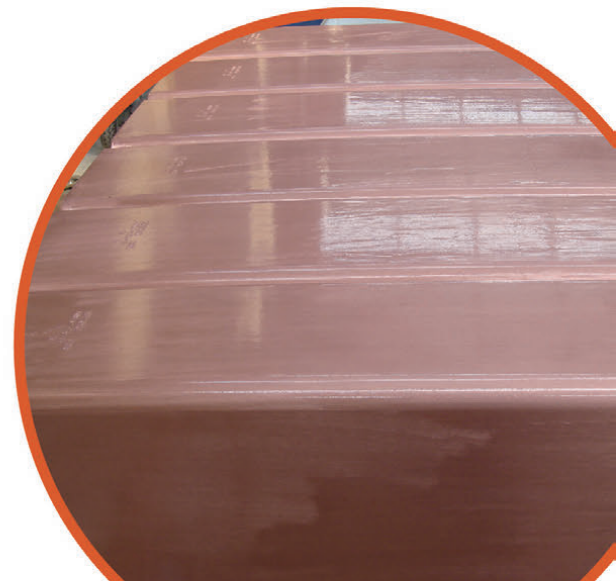
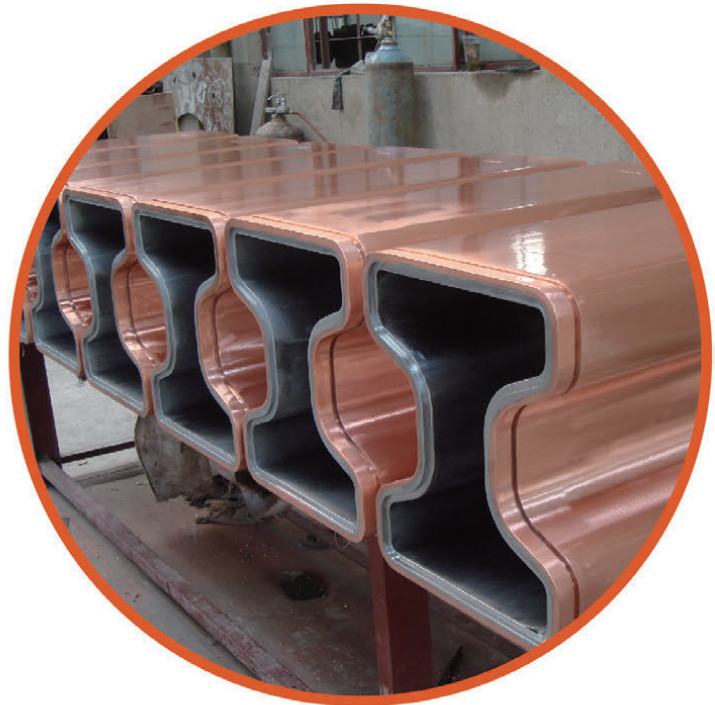
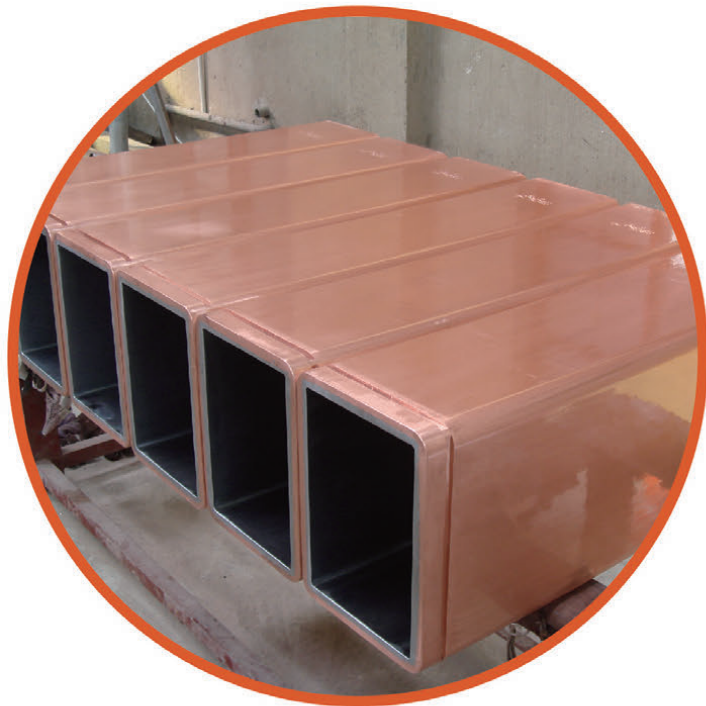
## Mission Statement

We serve our clients in the high temperature field by offering competitive and sustainable solutions that provide long-term value to our client and vendors. “DOING THE RIGHT THING AND REDUCING YOUR COST” is our mission!

## Copper Mould Tube

### Copper Mould Tube

DEC copper mould tube are designed based on the customer's specific needs. Our engineer team is able to help you to indentify the latest suitable taper of the copper mould tube that currently using. We can supply square, rectangular, round and bloom copper mould tube with single, double, triple and parabolic taper curve design.



## Copper Mould Tube

### Copper Quality

DEC copper mould tube are available in deoxidized copper by phosphor (Cu-DHP), silver copper ( CuAg0.1) and CuCrZr.

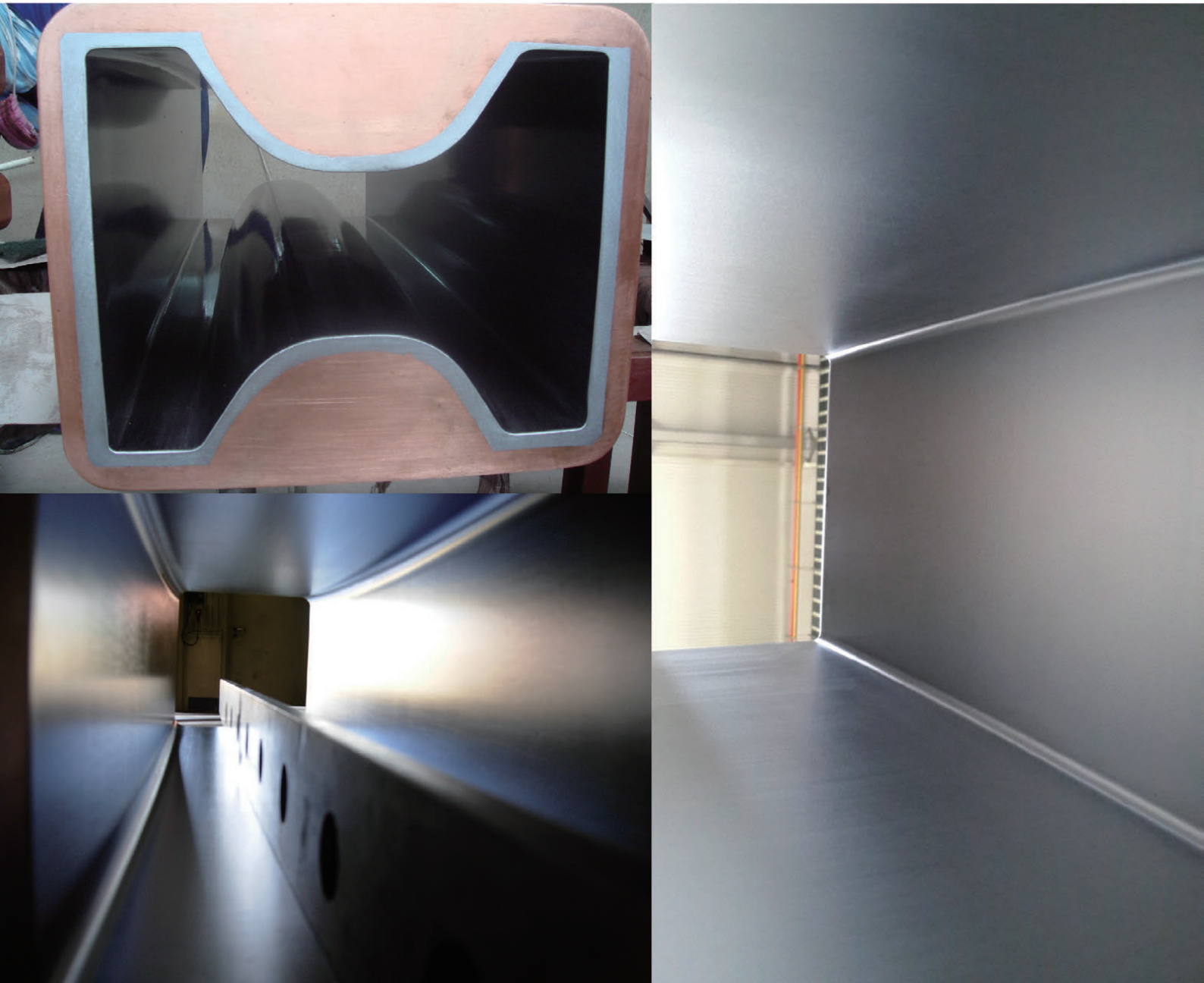
### Copper Specifications

Item	Material		
	Cu-DHP	CuAg0.1	CuCrZr
Chemical Composition	P 0.015~0.040	Ag 0.08~0.12	Cr 0.30~1.20
		P 0.004~0.012	Zr 0.03~0.30
<b>Physical Properties</b>			
Electrical Conductivity	83% IACS@20°C	95% IACS@20°C	80% IACS@20°C
Thermal Conductivity	340 W/m.K@20°C	372 W/m.K@20°C	330 W/m.K@20°C
Recrystallization Temperature	345°C	360°C	690°C
Melting Point	1083°C	1083°C	1078°C
Specific Gravity	8.9 g/cm3	8.9 g/cm3	8.9 g/cm3
<b>Mechanical Properties</b>			
Tensile Strength	240~310Mpa@20°C	240~310Mpa@20°C	375~445Mpa@20°C
0.2 Yield Strength	190~250Mpa@20°C	200~225Mpa@20°C	280~355Mpa@20°C
Elongation (A5)	25~10%@20°C	16~10%@20°C	20~13%@20°C
Hardness	80~95 HB@20°C	110~125HB@20°C	115~130 HB@20°C



## Coating

DEC has the regular Cr Coating and DURACO<sup>®</sup> multi-coating for the copper mould tube. Comparing with the traditional Cr coating, DURACO<sup>®</sup> multi-coating has better performance.





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