

## CuNi30Mn1Fe

Copper Nickel 70/30

Norms	Description	Applications
UNS C 71500 DIN 2.0882	Copper Nickel 70/30 alloy has maximal resistance to stress corrosion - erosion in seawater and good weldability. Its combination of good ductility retention and thermal conductivity at very low temperatures is advantageous for low-temperature processing and storage equipment as well as for heat exchangers at cryogenic plants	<ul style="list-style-type: none"> <li>• Heat exchange flanges</li> <li>• Apparatus Engineering</li> <li>• Propeller sleeves for Marine Industry</li> <li>• Various products for Marine Industry, Propeller sleeves, flanges, sea-water resistant applications</li> <li>• Flanges for plumping</li> </ul>

Chemical Composition		Mechanical Properties		Physical Properties	
<b>Ni</b>	29 - 33 %	<b>Hardness</b>	75 HB	<b>Electrical Conductivity</b>	51 % IACS
<b>Fe</b>	0.4 - 1 %	<b>Tensile Strength</b>	370 N/mm <sup>2</sup>	<b>Thermal Conductivity</b>	29 W/mK
<b>Mn</b>	0.5 - 1.5 %	<b>Yield Strength</b>	138 N/mm <sup>2</sup>	<b>Density</b>	8.90 g/cm <sup>3</sup>
<b>Cu</b>	Balance	<b>Elongation (L=5D)</b>	50 %		

Available Forms	Delivery Conditions
	Cast and Forged

Cut to size from premachined forms

### 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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