

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"> • Heat exchange flanges • Apparatus Engineering • Propeller sleeves for Marine Industry • Various products for Marine Industry, Propeller sleeves, flanges, sea-water resistant applications • Flanges for plumping

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