

COPPER NICKEL 70/30, ALLOY C71500

Standard Grade	EN12451 CuNi30Mn1Fe CW354H	ASME SB111 C71500	ASTM B111 C71500	DIN 1785 CuNi30Mn1Fe 2.0882	BS2871 Part 3 CN107
Cu	Rem.	Rem.	Rem.	Rem.	Rem.
Pb	0.02 max.	0.05	0.05 max.	0.03 max.	0.04 max.
Ni	30.-32.0	29.0-33.0	29.0-33.0	30.-32.0	30.0-32.0
Fe	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0	0.4-1.0
Mn	0.5-1.5	1.0 max.	1.0 max.	0.5-1.5	0.5-1.5
Zn	0.5 max.	1.0 max.	1.0 max.	0.5 max.	
S	0.05 max.			0.06 max.	0.08 max.
C	0.05 max.			0.06 max.	0.06 max.
P	0.02 max.				
Co	0.1 max.				
Sn	0.05 max.				
Total Impurities	0.2 max.		.	0.1 max.	0.3 max
Condition	R370 R420	O61 annealed HR50 drawn and stress- relieved	O61 HR50	F37 F42	M O

Also available in welding grade

Typical use:

This alloy has all the characteristics of 90/10, but also offers excellent corrosion resistance in high velocity sea water. Also the operating temperature is much higher than that of CuNi 90/10, which can assure a long and reliability service life.


Melting point 1240°C

Hot Working Properties: Good

Cold Working Properties: Good

Dimensions

Dimensions of our normal product range: We are always trying to improve our range so please contact us if you are looking for other dimensions:

Ø 5.0 - 6.0 mm	wall 0.45 - 1.0 mm	
Ø 6.0 - 10.0 mm	wall 0.5 - 1.7 mm	
Ø 10.0 - 14.0 mm	wall 0.5 - 3.3 mm	
Ø 14.0 - 19.05 mm	wall 0.7 - 3.3 mm	
Ø 19.1 - 26.0 mm	wall 0.8 - 3.3 mm	
Ø 26.0 - 33.0 mm	wall 1.0 - 3.3 mm	