

Standards

Material No.	EN Material No.	EN Designation	UNS
2.0932	CW303G	CuAl8Fe3	C61400

Description

CuAl8Fe3 is a copper-aluminum-alloy with iron contents.

Special properties

High strength up to 300°C. Resistant to seawater. Good wear resistance.

Chemical Composition

Si ≤ %	Mn ≤ %	Ni %	Cu %	Al %
0.20	1.00	≤ 1.00	Rest	6.50-8.50
Fe %	Pb %	Zn %		
1.50-3.50	≤ 0.05	≤ 0.50		

Mechanical Properties 20°C

Hardness HB 30 ≤ HB	0.2% Yield strength R _p ≥ N/mm ²	Tensile strength R _m N/mm ²	Elongation A ₅ ≥ %	Modulus of elasticity kN/mm ²
150	200	470-590	25	170

Physical Properties 20°C

Density g/cm ³	Thermal conductivity W/m K	Electrical conductivity MS/m
7.8	65	8

Application

Chemical apparatus construction, seawater environment

Available forms for 2.0932 / CuAl8Fe3

Sheets/Plates	Bars	Forged / cast parts	Finished part (drawing)
			