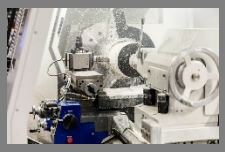
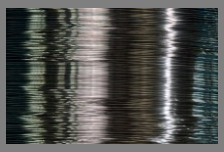
Technical Datasheet
CW354H

Characteristics and scope of application

- This material is a corrosion resistant copper-nickel alloy with good resistance even against hot sea water at high flow velocities.

Standard designations

- DN designation: CuNi30Mn1Fe
- Alloy number / UNS: CW354H / C71500 (2.0882)
- Norms: DIN EN ISO 12163 / ASTM B151
- Typical chemical composition: Cu 69%, Ni 30%, Mn 0.7%, Fe 0.7%

Physical properties

Density	Temperature liquidus line	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm³	°C	Ohm mm²/m	10^{-6}/K | RT to 100°C
8.9	1180	0.40	14.5

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
420*	200*	35*

* soft annealed

Deutsche Nickel