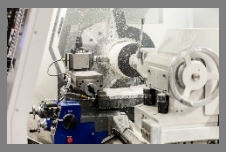
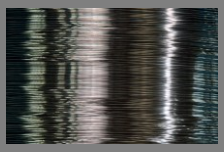
Technical Datasheet
C22

Characteristics and scope of application

- The alloy composition retards the precipitation at grain boundaries while hot working, thus it is very corrosion resistant in oxidizing and reducing media.
- We emphasize the resistance against stress corrosion and crevice corrosion, as well as pitting corrosion.

Standard designations

- DN designation: Chronin C22
- Alloy number / UNS: 2.4602 / N06022
- Norms: DIN 15156 / DIN 17744 / DIN 17752 / DIN 17753 / ASTM B 564 / ASTM B 574
- Typical chemical composition: Ni 63%, Cr 21%, Mo 14%, W 3%

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
8.7	1400	1.1	12

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
780*	380*	55*

* solution annealed

Deutsche Nickel