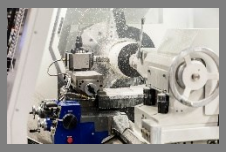
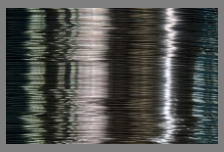
Technical Datasheet
NR-Ni 99

Characteristics and scope of application

- Because of the low carbon content, NR-Ni 99 is highly resistant against alkalines, even at high temperatures.
- Therefore this material is used for chemical devices and pressure vessels.
- With the invention of the founder of Deutsche Nickel, Theodor Fleitmann, Nickel became malleable due to the addition of magnesium.

Standard designations

- DN designation: NR-Nickel 99
- Alloy number / UNS: 2.4068 / N02201
- Norms: DIN 17740 / DIN 17752 / DIN 17753 / ASTM B160 / VdTÜV 345
- Typical chemical composition: Ni min. 99.0%, C max. 0.02%

Physical properties

Density	Temperature liquidus line	Curie point	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm³	°C	°C	Ohm mm²/m	10^{-6}/K | RT to 100°C
8.9	1440	380	0.085	13

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
450*	150*	40*

* soft annealed

Deutsche Nickel