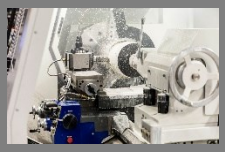
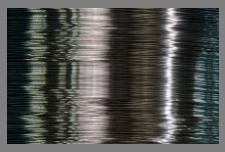
Technical Datasheet
500 / K500

Characteristics and scope of application

- This moderately strong material keeps its good corrosion resistance from low to high temperatures.
- It may be precipitation hardened, in contrast to the other Silverin materials.

Standard designations

- DN designation: Silverin 500
- Alloy number / UNS: 2.4375 / N05500
- Norms: DIN 17743 / DIN 17752 / ASTM B865 / QQN 286
- Typical chemical composition: Ni 65%, Cu 30%, Al 3%, Fe 0.8%, Ti 0.6%

Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of
kg/dm³	°C	°C	Ohm mm²/m	10^{-6}/K | RT to 100°C
8.5	1315	max. 135* max. 100**	0.48	14

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
650*	300*	40*
965**	690**	20**

* solution annealed
** precipitation hardened

Deutsche Nickel

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