

Nickel Silver Alloy

Typical Applications

- Electronic connectors
- Switchgear components
- Musical instrument valves & fittings
- Medical equipment
- Industrial & scientific instruments
- Electrical pins

Product Description

NS101 is a nickel silver alloy which is often referred to as 'nickel brass'. The alloy offers good atmospheric corrosion resistance and is one of the most commonly used grades of nickel rod silver. NS101 has good machinability and is readily formed into complex shapes by hot stamping. The surface of the material is tarnish resistant and aesthetically pleasing - with an attractive silvery gold colour.

NS101 is classed as a 10% nickel-containing alloy.

Machinability

Good.

Key features

- Sometimes referred to as 'nickel brass'
- Good machinability
- Readily formed
- Good corrosion resistance
- Tarnish resistant

Corrosion resistance

Good corrosion resistance as well as tarnish resistance.

Availability

Bar.

Related material specifications

- CuNi10Zn42Pb2
- CW402J
- CuNi12Zn38Mn5Pb2
- CW407J

Chemical Composition (weight %)

	Cu	Ni	Zn	Pb	Fe	Mn				
min	44.0	9.00	Rem	1.0		0.20				
max	47.0	11.0	Rem	2.5	0.40	0.50				

Mechanical Properties

Ultimate Tensile Strength	460 N/mm ²
Elongation	8 %

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

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