

# NIBRODAL 138

Nibrodal 138 is a curable alloy from bedra

## Fields of application

Rim, temple, bridge, hinge, closing block & pad arm

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.8
<b>Melting range (°C)</b>	1080 - 1110
<b>E-Modulus (kN/mm<sup>2</sup>)</b>	120
<b>Thermal conductivity (W/m*K)</b>	30
<b>Coefficient of thermal expansion (10-6/K)</b>	17
<b>Electrical conductivity (MS/m)</b>	3.5 (solution heat treated) / 4.8 (precipitation hardened)

## Composition

<b>Cu</b>	balance
<b>Sn</b>	7
<b>Ni</b>	13
<b>Mn</b>	0.2
<b>Others</b>	max. 0.5

## Delivery program

<b>Profiles</b>	Round wires / square profiles / flat wires / special profiles
<b>Surface coatings</b>	Several electroplated coatings, upon request
<b>Make-ups</b>	Spools / coils / rods / drums