This leaded nickel silver is designed for machining operations of parts which are used in daily life, such as keys, watches and musical instrument keys. These applications require a valuable-looking surface – especially if the color is silver. In addition, this alloy has very good mechanical stability, corrosion and tarnish resistance, which allows survival in atmospheric humidity and during contact with household fluids and perspiration.
Wieland-N39
CuNi13Zn25Pb1 | C79200

Fatigue strength

The fatigue strength is defined as the maximum bending stress amplitude which a material withstands for $10^7$ load cycles under symmetrical alternate load without breaking. It is dependent on the temper tested and is about 1/3 of the tensile strength $R_m$.

Resistance to softening

![Graph showing Vickers hardness after heat treatment](image)

Vickers hardness after heat treatment
(typical values)

Types and formats available

- Standard coils with outside diameters up to 1,200 mm
- Traverse-wound coils with drum weights up to 1.5 t
- Multicoil up to 5 t
- Contour-milled strip
- Sheet

Dimensions available

- Strip thickness from 0.50 mm, thinner gauges on request
- Strip width from 3 mm, however min. 10 x strip thickness

This printed matter is not subject to revision. No claims can be derived from it unless there is evidence of intent or gross negligence. The product characteristics are not guaranteed and do not replace experts’ advice.