

NI-BASE ALLOYS

Application Segments

Oil & Gas / CPI

Available Product Variants

Long Products*

Semi-Finished Products / Billet

* Presented data refer exclusively to long products. Please observe the detailed explanations at the end of the data sheet (pdf).

Product Description

BÖHLER L200 is a technically pure nickel alloy with at least 99% nickel and a low carbon content. This alloy combination suppresses harmful precipitation, e.g. of graphite, and enables application temperatures of over 300°C to around 450°C. The material offers excellent ductility and corrosion resistance, in particular resistance in many alkaline and acidic solutions, e.g. cooling brines, soaps, fatty acids, fruit acids, phenol, caustic soda and neutral salt solutions, dry chlorine gas and hydrogen chloride, bromine and fluorine (CFC production) and other reducing and oxidising media. The main areas of application for the BÖHLER L200 alloy are plant and tank construction in the food, chemical and petrochemical industries, the transport of chemical products and electrical and electronic components, such as electrode contacts in batteries, current arresters in alkaline fuel cells and electrodes for hydrogen production by electrolysis.

Process Melting

Airmelted

Applications

- > Components for Chemical plants (incl. LNG, FGD, Urea, LDPE, etc.)
 > Electronic industry
- > Other Oil and Gas + CPI components
- > Tubular Products, Flanges, Fittings

Technical data

Material designation		Standards	
Alloy 201	Market grade	DIN 17740	DIN
2.4068	SEL	B160	ASTM
LC-Ni99	EN		
N02201	UNS		

Chemical composition (wt. %)

C	Si	Mn	S	Ni	Cu	Ti	Fe	Mg
max. 0.02	max. 0.25	max. 0.35	max. 0.005	min. 99.0	max. 0.25	max. 0.10	max. 0.40	max. 0.15

Related to DIN 17740

Delivery condition**Annealed**

Hardness (HB)	max. 130
Tensile Strength (MPa)	min. 340
Yield Strength (MPa)	min. 80

Round Bars and Wire Rod (if any)

		Diameter mm	
ROLLED			
12.50	-		130.00
FORGED			
130.10	-		254.00

More information regarding MOQ, lengths and tolerances upon request.

If other available product variants are listed in addition to long products, please note that these may differ in terms of melting process, technical data, delivery and surface condition as well as available product dimensions. For mandatory technical specifications, other requirements and dimensions, please contact our regional voestalpine BÖHLER sales companies. The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We may be bound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate from practical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.

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