

# AUSTENITIC STEELS

Application Segments	
Engineering	
Available Product Variants	
Long Products	
Product Description	
instruments (e.g. measuring rulers, scales), ten thermobimetals and expansion controllers up crystal and soda-lime glasses. The minimum coefficient of thermal expansio	low thermal expansion for applications in the electronics industry, for measuring perature measuring instruments and temperature-dependent controls, thermostats, to temperatures of 450°C. The main application is in glass-metal compounds with soft lead of BÖHLER P848 is in the range of 30 to 400°C. Above the break point at slightly above harply and at higher temperatures reaches the values usual for austenitic materials. Good
Airmelted	
Applications	
> Electronic Industry	> Mechanical Engineering
Technical data	

## Material designation

Material designation	
Ni 48	Market grade
1.3922	SEL
Ni48	EN

Standards SEW 385 Others

### Chemical composition (wt. %)

С	Si	Mn	Ni
max. 0.05	max. 0.30	max. 0.50	min. 46.0

Refers to SEW 385 - 1.3922

#### **Delivery condition**

Annealed	
Tensile Strength (MPa   ksi)	530 to 800   77 to 117







#### Round Bars and Wire Rod (if any)

Diameter*							
mm		inch					
	ROLLED						
5.00	-	13.50	0.197	-	0.531		
15.00	-	125.00	0.591	-	4.921		
FORGED							
125.10	-	500.00	4.925	-	19.685		

\* Diameter 5.00 - 13.50 mm available as Wire Rod.

Diameter 15.00 - 125 mm available as round bars.

More information regarding MOQ, lengths and tolerances upon request.

For additional specifications and other sizes please contact BÖHLER Edelstahl - Special Materials Engineering

The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We maybebound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviatefrompractical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozonelayer.

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