

## ALLOYS WITH SPECIFIC PHYSICAL PROPERTIES

Application Segme	nts			
Engineering				
Available Product \	/ariants			
Long Products				
Product Description	1			
+450°C. Some technical of coefficients of thermal ex. The alloy is therefore use sockets and similar. In the field of microelectri intermediate layer between	ceramics (e.g. alumini pansion of the same of the same of the same of the same of the formetal-glass seather and microsystemen the actual carrier in	um oxide, aluminium nitri order of magnitude. Is of electronic componer ns technology, BÖHLER naterial and material with	de, borosilicate gla nts, material transit P810 is used as a a usually significa	n the temperature range from -100 to sses and semiconductor materials) show ons in vacuum chambers, X-ray tubes, transistor housing material or as a submount, i.e. an atly higher coefficient of expansion, and serves as by the different coefficients of thermal expansion or
Process Melting				
Airmelted				
Applications				
> Electronic industry		> Mech	nanical Engineerin	I
Technical data				
Material designation		Standards		
NiCo 29 18	Market grade	SEW 385	Others	
1.3981	SEL			
NiCo29 18	EN			
Chemical composit	ion (wt. %)			
С	Si	Mn	Ni	Co

max. 0.50

Refers to SEW 385 - 1.3981



17.0 to 18.0

max. 0.30



## **Delivery condition**

Annealed	
Tensile Strength (MPa)	440 to 640

## Round Bars and Wire Rod (if any)

Diameter*
mm

ROLLED					
5.00	- 13.50				
15.00	- 125.00				
FORGED					
125.10	- 500.00				

<sup>\*</sup> 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.

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.

## voestalpine BÖHLER Edelstahl GmbH & Co KG

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