

# ALLIAGES À BASE DE NICKEL

## Segment d'application

Oil & Gas/CPI

## Variantes de produits disponibles

Produit long\*

Produit semi-fini

Tôle

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

## Description du produit

Industrie pétrolière & du gaz et industrie chimique

## Procédé d'élaboration

Airmelted

## Applications

- > Composants pour l'industrie chimique (LNG, FGD, Urée, LDPE...)
- > Chimie et pétrochimie (dont LNG, urée)
- > Industrie du papier / imprimerie
- > Autres composants pour l'industrie pétrolière, gazière et chimique
- > Heat Exchanger (FR)
- > Industrie agro-alimentaire
- > Tubes, brides et raccords
- > Industrie pétrolière et gazière

## Données techniques

Désignation normalisée		Normes	
Alloy 825	Market grade	B425	ASTM
2.4858	SEL	NACE MR0103 / ISO 17945	Others
NiCr21Mo	EN	NACE MR0175 / ISO 15156	
N08825	UNS		

## Composition chimique

C	Si	Mn	S	Cr	Mo	Ni	Cu	Ti	Al	Fe
max. 0,05	max. 0,5	max. 1,0	max. 0,03	19,5 jusqu'à 23,5	2,5 jusqu'à 3,5	38,0 jusqu'à 46,0	1,5 jusqu'à 3,0	0,6 jusqu'à 1,2	max. 0,2	min. 22,0

Refers to ASTM B 425 UNS N08825

## Condition de livraison

### Recuit de mise en solution + trempe

Résistance à la traction (MPa)	min. 586
Yield Strength (MPa)	min. 241

### Barres rondes et fil machine (le cas échéant)

		Diamètre*	
		mm	
<b>CERCLE</b>			
5,00	-	13,50	
12,50	-	101,60	
<b>FORMÉ</b>			
101,70	-	355,60	

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

Diameter 5.00 - 101.6 mm round bars.

More information regarding MOQ, lengths and tolerances upon request. Flat bars on request.

**Long Products:** For additional specifications, technical requirements, and other dimensions, please contact our regional voestalpine BÖHLER sales companies.

**Semi-Finished Products:** Product Variant may differ in terms of melting process, technical data, delivery, and surface condition as well as available product dimensions. Please contact the business unit Semi Finished Products of voestalpine BÖHLER Edelstahl GmbH & Co KG.

**Sheet & Plates:** Product Variant may differ in terms of melting process, technical data, delivery, and surface condition as well as available product dimensions. Please contact voestalpine BÖHLER Bleche GmbH & Co KG.

*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.*