

LEGHE A BASE NICHEL

Application Segments

Oil & Gas/CPI

Granulometria disponibile

Prodotti lunghi*

Prodotti semirifiniti / Billette

Lamiere

Forgiatura libera

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

Descrizione del prodotto

L718API Lega a base di nichel con resistenza alle alte temperature particolarmente elevata.

Percorso di fusione

VIM + VAR

Applicazioni

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> > Petrolio & Gas > Testa del pozzo, alberi di Natale e collettori (fra cui sospensioni per tubazioni), BOP > Linee di flusso e connettori > Strumenti per carotaggio > CPI (fra cui LNG, Urea) | <ul style="list-style-type: none"> > Strumenti per il completamento di pozzi > Altri componenti O e G+CPI > Prodotti tubolari, flange, raccordi > Comp. per stabilimenti chimici (fra cui LNG, FGD, Urea, LDPE, ecc.) > Heat Exchanger (IT) | <ul style="list-style-type: none"> > Elementi di fissaggio, bulloni e dadi > Componenti e strumenti di perforazione > Valvole e attuatori > Comp. per apparecchiature AI di sotto del suolo (alesaggio, alberi, ecc.) |
|---|---|---|

Dati tecnici

Corrispondenze		Standard	
Alloy 718API	Market grade	API 6A CRA	Others
N07718	UNS	NACE MR0103 / ISO 17945	
		NACE MR0175 / ISO 15156	

Analisi chimica

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Co	Ti	Al	B	Fe	Pb	Bi	Ca	Mg	Se
max. 0,045	max. 0,35	max. 0,35	max. 0,010	max. 0,010	17,0 a 21,0	2,80 a 3,30	50,0 a 55,0	max. 0,23	max. 1,00	0,80 a 1,15	0,40 a 0,60	max. 0,0060	REM	max. 0,0010	max. 0,00005	max. 0,0030	max. 0,0060	max. 0,0005

Refers to API Standard 6A CRA N07718 | Nb + Ta 4.87 to 5.20

Condizioni di consegna

Solution annealed + precipitation hardened | 120k

Durezza (HRC)	32 a 40
Resistenza alla trazione (MPa)	min. 1.034
Resistenza allo snervamento (MPa)	827 a 1.000

Solution annealed + precipitation hardened | 140k

Durezza (HRC)	34 a 44
Resistenza alla trazione (MPa)	min. 1.138
Resistenza allo snervamento (MPa)	965 a 1.034

Solution annealed + precipitation hardened | 150k

Durezza (HRC)	35 a 45
Resistenza alla trazione (MPa)	min. 1.207
Resistenza allo snervamento (MPa)	1.034 a 1.207

Barre tonde

		Diametro* mm	
ROTOCOLATO			
	5,00	-	13,50
	12,50	-	101,60
FORGIATO			
	101,70	-	355,60

* Diameter 5.00 - 13.50 mm available as Wire Rod.

Diameter 12.5 - 101.60 mm round bars.

Variant 140k is available in forged products only

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.

Open Die Forgings: 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 Open Die Forgings of voestalpine BÖHLER Edelstahl GmbH & Co KG.

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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.

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voestalpine

ONE STEP AHEAD.