

ZLIATINY NA BÁZE NIKLU

Application Segments

Ťažba ropy a chemický priemysel

Dostupné výrobné profily

Tyčové polotovary*

Polotovary/výrezy

Plech

Voľne kované výkovky

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

Popis produktu

L718API

Spôsob výroby

VIM + VAR

Aplikácia

- > Ropný a plynový priemysel
- > Armatúry na ústie vrtu a rozdeľovacie armatúry
- > Pružné vedenie a spojovacie príruby
- > Nástroje pre geodéziu
- > Chemický priemysel (vrátane LNG a močoviny) (CPI)
- > Vítacie nástroje pre ťažbu ropy
- > Ostatné komponenty pre ťažbu ropy a chemický priemysel
- > Rúrkové výrobky, príruby, tvarovky
- > Komponenty pre chemický priemysel
- > Heat Exchanger (SK)
- > Čapy, skrutky, matice
- > Vítacie nástroje a komponenty
- > Ventily a pohony
- > Komponenty pre ťažobný priemysel (hriadele, komponenty pre vrtanie)

Technické údaje

Označenie materiálu		Normy	
Alloy 718API	Market grade	API 6A CRA	
N07718	UNS	NACE MR0103 / ISO 17945	Others
		NACE MR0175 / ISO 15156	

Chemické zloženie

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 až 21,0	2,80 až 3,30	50,0 až 55,0	max. 0,23	max. 1,00	0,80 až 1,15	0,40 až 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

Stav pri dodaní

Solution annealed + precipitation hardened | 120k

Tvrdoš (HRC)	32 až 40
Pevnoš v ťahu (MPa)	min. 1 034
Medza klzu (MPa)	827 až 1 000

Solution annealed + precipitation hardened | 140k

Tvrdoš (HRC)	34 až 44
Pevnoš v ťahu (MPa)	min. 1 138
Medza klzu (MPa)	965 až 1 034

Solution annealed + precipitation hardened | 150k

Tvrdoš (HRC)	35 až 45
Pevnoš v ťahu (MPa)	min. 1 207
Medza klzu (MPa)	1 034 až 1 207

Okrúhle tyče

Priemer*		mm	
valcované			
5,00	-	13,50	
12,50	-	101,60	
kované			
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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voestalpine

ONE STEP AHEAD.