

# LEGERINGEN OP BASIS VAN NI

## Application Segments

Oil & Gas/CPI

## Beschikbare uitvoeringen

Stafstaal\*

Halfafgewerkte producten / billet

Plaat

vrijvormsmeden

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

## Product omschrijving

L718API

## Smeltroute

VIM + VAR

## Toepassingen

- > Olie en gas
- > Wellhead, X-mas trees en Manifolds (incl. Tubing hangers), BOPs (nl)
- > Stroomlijnen en connectoren
- > Gereedschap voor het meten van putten
- > CPI (incl. LNG, Urea) (nl)
- > Gereedschap voor putafwerking
- > Andere comp. olie en gas + chemie
- > Buisproducten, flenzen, fittingen
- > Comp. voor chemische fabrieken (incl. LNG, FGD, Urea, LDPE enz.)
- > Heat Exchanger (NL)
- > Bevestigingsmiddelen, bouten en moeren
- > Boorgereedschap en comp.
- > Afsluiters en actuatoren
- > Comp. voor uitrustingen onder de grond (boorgaten, schachten enz.)

## Technische gegevens

Materiaal aanduiding		Normen	
Alloy 718API	Market grade	API 6A CRA	Others
N07718	UNS	NACE MR0103 / ISO 17945	
		NACE MR0175 / ISO 15156	

## Chemische samenstelling

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

## Leveringsconditie

### Solution annealed + precipitation hardened | 120k

Hardheid (HRC)	32 naar 40
Treksterkte (MPa)	min. 1.034
Opbrengststerkte (MPa)	827 naar 1.000

### Solution annealed + precipitation hardened | 140k

Hardheid (HRC)	34 naar 44
Treksterkte (MPa)	min. 1.138
Opbrengststerkte (MPa)	965 naar 1.034

### Solution annealed + precipitation hardened | 150k

Hardheid (HRC)	35 naar 45
Treksterkte (MPa)	min. 1.207
Opbrengststerkte (MPa)	1.034 naar 1.207

## Ronde staven

		Diameter* mm	
<b>GEROLD</b>			
	5,00	-	13,50
	12,50	-	101,60
<b>GESMOORDE</b>			
	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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ONE STEP AHEAD.