

NI ESASLI ALAŞIMLAR

Application Segments

Oil & Gas/CPI

Mevcut Ürün Şekilleri

Uzun Ürünler*

Yarı Mamül Ürünler / Kütük

Açık Kalıpta Dövme

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

Ürün Tanımı

BÖHLER L925 (UNS N09925) is an age hardenable nickel-iron-chromium alloy with additions of molybdenum, copper, titanium and aluminum. The alloy's chemical composition is designed to provide a combination of high strength and excellent corrosion resistance. The nickel content is sufficient for protection against chloride-ion stress corrosion cracking. The nickel, in conjunction with the molybdenum and copper, also gives outstanding resistance to reducing chemicals. The molybdenum aids resistance to pitting and crevice corrosion. The alloy's chromium content provides resistance to oxidizing environments. Titanium and aluminium form part of the precipitation hardening reaction that greatly increases hardness and strength of the alloy during heat treatment. The alloy has a high level of corrosion resistance in H₂S and CO₂ environments and resists general corrosion, pitting, crevice, intergranular corrosion and stress corrosion cracking. It is particularly useful in sour (H₂S containing) crude oil, natural gas, sulphuric acid, phosphoric acid and seawater. BÖHLER L925 offers high strength and can be used in high temperatures as it maintains strength at elevated temperatures. BÖHLER L925 meets the requirements of NACE MR0175 and API 6A CRA for sour service applications and is suitable for sour service and can be used for pressure containing and pressure controlling equipment in corrosive environments. Typical applications include packers, safety valves, pumps, hangers, connectors, fasteners and multiple downhole and surface applications.

Erime rotası

VIM + VAR

Uygulamalar

- > Kimya Tesisleri için Parçalar (LNG, FGD, Üre, LDPE tesisleri vs. dahil)
- > Tespit Elemanları, Cıvatalar ve Somunlar
- > Diğer Parçalar
- > Borusal Ürünler, Flaşlar, Fitingler
- > Kuyubaşı, Noel Ağacları ve Manifoldlar (Boru askıları dahil), Kaçak Önleyiciler
- > Kimya Endüstrisi (LNG, Üre dahil)
- > Akış Hatları ve Bağlantı Flaşları
- > Diğer Petrol ve Gaz + Kimya Tesisi Parçaları
- > Kuyu Bitirme Gereçleri
- > Vanalar ve Aktüatörler
- > Sondaj Aletleri ve Parçaları
- > Petrol ve Gaz
- > Pompalar ve Yüksek Basınç Parçaları
- > Kuyu Loglama Gereçleri

Teknik veriler

Malzeme Tanımı		Standartlar	
Alloy 925	Market grade	B805	ASTM
2.4852	SEL	NACE MR0103 / ISO 17945	
NiCr20FeMo3TiCuAl	EN	NACE MR0175 / ISO 15156	Others
N09925	UNS	API 6A CRA	

Kimyasal Bileşim

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	Al	Nb	Fe
maks. 0,025	maks. 0,35	maks. 1,00	maks. 0,020	maks. 0,003	19,5 kadar 22,5	2,50 kadar 3,50	42,0 kadar 46,0	1,50 kadar 3,00	1,90 kadar 2,40	0,10 kadar 0,50	0,08 kadar 0,50	min. 22

Refers to API Standard 6A CRA N07925

Teslimat durumu

Solution annealed + precipitation hardened

Sertlik (HRC)	26 kadar 38
Çekme mukavemeti (MPa)	min. 965
Akma dayanımı (MPa)	758 kadar 965

Yuvarlak çubuklar

Çap mm	
Haddelenmiş	
12,50	- 101,60
DÖVÜLMÜŞ	
101,70	- 355,60

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.

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.

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.

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voestalpine

ONE STEP AHEAD.