

DUBLEKS VE SÜPER DUBLEKS PASLANMAZ ÇELİKLER

Application Segments

Oil & Gas/CPI

Mevcut Ürün Şekilleri

Uzun Ürünler*

Yarı Mamül Ürünler / Kütük

Levhalar

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

Ürün Tanımı

Bohler A913 (UNS S32750) is the most widely used super duplex grade on the market and is a 25%Cr ferritic-austenitic stainless steel with PREN min 41.

The steel offers highest corrosion resistance and good strength properties and is especially suitable for use in aggressive environments containing chlorides.

Good weldability, heat treatment after welding is not required.

Excellent resistance to general corrosion, stress corrosion cracking, vibration cracking, pitting and crevice corrosion as well as erosion corrosion.

Max. operating temperature for long-term use: 280°C (short-term exceeding up to 300°C permissible).

Required surface finish: pickled or machined.

Components exposed to seawater such as heat exchangers, feed or injection pumps, propeller shafts, highly stressed parts in chemical and waste water plants and for oil and gas production (e.g. manifolds), separators, turbine and fan blades, low-pressure compressor components.

Erime rotası

Airmelted

Uygulamalar

- > Kimya Tesisleri için Parçalar (LNG, FGD, Üre, LDPE tesisleri vs. dahil)
- > Kimya Endüstrisi (LNG, Üre dahil)
- > Akış Hatları ve Bağlantı Flaşları
- > Petrol ve Gaz
- > Pompalar ve Yüksek Basınç Parçaları
- > Kuyu Bitirme Gereçleri
- > Gıda İşleme ve Hayvan Yemi Endüstrileri için Parçalar
- > Sondaj Aletleri ve Parçaları
- > Gıda İşleme Endüstrisi
- > Diğer Parçalar
- > Borusal Ürünler, Flaşlar, Fitingler
- > Kuyu Loglama Gereçleri
- > Tüketici Malları - Genel
- > Tespit Elemanları, Civatalar ve Somunlar
- > Makine Mühendisliği / Makine İmalatı, Genel
- > Diğer Petrol ve Gaz + Kimya Tesisi Parçaları
- > Vanalar ve Aktüatörler
- > Kuyubaşı, Noel Ağaçları ve Manifoldlar (Boru askıları dahil), Kaçak Önleyiciler

Teknik veriler

Malzeme Tanımı		Standartlar	
1.4410	SEL	10088-3	EN ISO
X2CrNiMoN25-7-4	EN	A182/A182M	ASTM
S32750	UNS	A276/A276M	
		A479/A479M	
		MDS D57	NORSOK

Kimyasal Bileşim

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	N
maks. 0,030	maks. 0,80	maks. 1,20	maks. 0,035	maks. 0,020	24,0 kadar 26,0	3,0 kadar 5,0	6,0 kadar 8,0	maks. 0,50	0,24 kadar 0,32

Refers to NORSOK M630 MDS D57 - UNS 32750 | PREN = % Cr + 3.3 x % Mo + 16 x % N min 41.

Teslimat durumu

Solution Annealed + Quenched

Sertlik (HB)	maks. 310 hot finished or cold finished / up to 50.8 mm Diameter
Çekme mukavemeti (MPa)	min. 800 hot finished or cold finished / up to 50.8 mm Diameter
Akma dayanımı (MPa)	min. 550 hot finished or cold finished / up to 50.8 mm Diameter

Solution Annealed + Quenched

Sertlik (HB)	maks. 310 hot finished or cold finished / over 50.8 mm Diameter
Çekme mukavemeti (MPa)	min. 760 hot finished or cold finished / over 50.8 mm Diameter
Akma dayanımı (MPa)	min. 515 hot finished or cold finished / over 50.8 mm Diameter

Yuvarlak çubuklar

Çap* mm	
Haddelenmiş	
5,00	- 13,50
12,50	- 130,00
DÖVÜLMÜŞ	
130,10	- 200,00

* Diameter 5.00 - 13.50 mm available as Wire Rod.

Diameter 12.5 - 130 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.

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.

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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