

NI ESASLI ALAŞIMLAR

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

BÖHLER L004 belongs to the group of highly corrosion-resistant nickel-chromium-molybdenum alloys with very low carbon, iron and silicon content and has good corrosion resistance, even at elevated temperatures. The combination of chromium with a high molybdenum content gives BÖHLER L004 exceptional resistance to a wide range of chemical media: e.g. contaminated, reducing mineral acids and good resistance under reducing and oxidising conditions, e.g. hot, contaminated media such as sulphuric acid, nitric acid, dry chlorine, formic acid, acetic acid, solvents, chlorine and chloride-containing media. Due to its composition, BÖHLER L004 shows a significantly reduced tendency to form precipitates in the temperature range between 650 and 1,040 °C. This improves the resistance to intergranular corrosion. Due to the high nickel content, the material is practically insensitive to chloride-induced stress corrosion cracking even in hot chloride solutions. Due to its excellent thermal stability, the alloy is easily weldable and is usually used in the welded condition. Suitable for pressure vessels with wall temperatures from -196°C to 400°C.

Erime rotası

VIM + ESR or Airmelted + ESR

Uygulamalar

- > Kimya Tesisleri için Parçalar (LNG, FGD, Üre, LDPE tesisleri vs. dahil)
- > Kimya Endüstrisi (LNG, Üre dahil)
- > Diğer Petrol ve Gaz + Kimya Tesisi Parçaları
- > Heat Exchanger (TR)
- > Geri Dönüşüm Endüstrisi için Parçalar
- > Petrol ve Gaz
- > Borusal Ürünler, Flanslar, Fitingler
- > Storage technology
- > Gıda İşleme ve Hayvan Yemi Endüstrileri için Parçalar
- > Diğer Parçalar
- > Vanalar ve Aktüatörler

Teknik veriler

Malzeme Tanımı		Standartlar	
Alloy C4	Market grade	17744	DIN
2.4610	SEL	17752	
NiMo16Cr16Ti	EN	B574	ASTM
N06455	UNS	NACE MR0175 / ISO 15156 VdTÜV WB424	Others

Kimyasal Bileşim

C	Si	Mn	P	S	Cr	Mo	Ni	Co	Ti
maks. 0,009	maks. 0,050	maks. 1,00	maks. 0,020	maks. 0,010	14,50 kadar 17,50	14,00 kadar 17,00	REM	maks. 2,00	maks. 0,70

Refers to VdTÜV WB424

Teslimat durumu

Solution Annealed + Quenched

Çekme mukavemeti (MPa)	700 kadar 900
Akma dayanımı (MPa)	min. 280

Yuvarlak çubuklar

Çap*	
mm	
Haddelenmiş	
5,00	- 13,50
5,00	- 101,60
DÖVÜLMÜŞ	
101,70	- 355,60

* Diameter 5.00 - 13.50 mm available as Wire Rod.

Diameter 5.00 - 101.6 mm round bars.

More information regarding MOQ, lengths and tolerances upon request.

Long Products: For additional specifications, technical requirements, and other dimensions, please contact our regional voestalpine BÖHLER sales companies.

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.