

FERRİTİK VE MARTENSİTİK ÇELİKLER, ÇÖKELME SERTLEŞEBİLEN ÇELİKLER

Application Segments

Aerospace

Mevcut Ürün Şekilleri

Uzun Ürünler

Ürün Tanımı

BÖHLER N352 is a martensitic chromium steel with nickel addition. Heat treatable grade, capable of taking a mirror finish. Higher corrosion resistance compared to 13% chromium steel. Resistant to the effects of seawater, weak acids and alkaline solutions, as well as to acids having a strong, oxidizing effect such as nitric acid. Surface finish for optimum corrosion resistance: fine ground or polished. For components subject to high mechanical and corrosive stress, e.g. screws and shafts, at operating temperatures up to approx. 752° F.

Erime rotası

Airmelted

Uygulamalar

> Yapısal Elemanlar (Havacılık ve Uzay) > Havacılık > Diğer Havacılık ve Uzay Parçaları

Teknik veriler

Malzeme Tanımı		Standartlar	
431	Market grade AISI	1.4044	WL
1.4044	SEL	AFNOR Z15CN16-02	Others
X15CrNi17-3	EN		
S43100	UNS		
SUS431	JIS		

Kimyasal Bileşim

C	Si	Mn	P	S	Cr	Ni
0,12 kadar 0,20	maks. 1,0	maks. 1,0	maks. 0,035	maks. 0,025	15,0 kadar 18,0	2,00 kadar 3,00

Related to WL 1.4044

Teslimat durumu

Annealed	
Sertlik (HB)	maks. 248 1.4044.2, bars from 6 up to 160 mm diameter
Hardened and Tempered	
Çekme mukavemeti (MPa)	800 kadar 950 1.4044.5, bars from 6 mm up to 160 mm diameter
Akma dayanımı (MPa)	min. 600
Hardened and Tempered	
Çekme mukavemeti (MPa)	900 kadar 1.100 1.4044.6, bars from 6 mm up to 100 mm diameter
Akma dayanımı (MPa)	min. 700

Yuvarlak çubuklar

Çap mm		MOQ kg	Uzunluk m		Hoşgörü		
Haddelenmiş							
5,01	-	12,49	700	3,00	-	4,00	IT h/k 11
12,50	-	54,00	800	3,00	-	4,00	IT h/k 11
55,01	-	69,00	1.100	3,00	-	4,00	IT h/k 11
69,01	-	115,00	950	3,00	-	4,00	IT h/k 11

Düz çubuklar

Genişlik mm		Kalınlık mm		MOQ kg	Uzunluk m		Hoşgörü			
Haddelenmiş										
15,00	-	121,00	10,00	-	85,00	880	3,00	-	4,00	LN 1017
120,00	-	150,00	25,00	-	102,00	880	3,00	-	4,00	LN 1017
150,00	-	175,00	18,00	-	102,00	880	3,00	-	4,00	LN 1017

For additional specifications and other sizes please contact BÖHLER Edelstahl - Special Materials Aerospace

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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ONE STEP AHEAD.