

FERRITİK VE MARTENSİTİK ÇELİKLER, ÇÖKELME SERTLEŞEBİLEN ÇELİKLER

Application Segments

Aerospace

Mevcut Ürün Şekilleri

Uzun Ürünler*

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

Ürün Tanımı

BÖHLER N352S1 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)

> Diğer Havacılık ve Uzay Parçaları

> Havacılık

Teknik veriler

Malzeme Tanımı	Standartlar
431 Market grade	S80 BS
X15CrNi17-3 EN	

Kimyasal Bileşim

C	Si	Mn	P	S	Cr	Mo	Ni	V	W	Cu	Co	Ti	Nb	Fe	Sn
0,12 kadar 0,2	maks. 1	maks. 1	maks. 0,03	maks. 0,025	15 kadar 18	maks. 0,3	2 kadar 3	maks. 0,2	maks. 0,05	maks. 0,3	maks. 0,05	maks. 0,05	maks. 0,05	REM	maks. 0,02

Related to BS S80

Teslimat durumu

Annealed

Sertlik (HB)	maks. 277 Bars up to 63mm diameter
Çekme mukavemeti (MPa)	880 kadar 1.080
Akma dayanımı (MPa)	min. 690 S80D, bright bars up to 100mm diameter

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	-	55,00	800	3,00	-	4,00	IT h/k 11
55,01	-	69,00	2.423	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	-	86,00	880	3,00	-	4,00	LN 1017
120,00	-	150,00	25,00	-	102,00	880	3,00	-	4,00	LN 1017
150,00	-	275,00	18,00	-	102,00	880	3,00	-	4,00	LN 1017

* from 880kg (1940lbs) to 1050kg (2315lbs) depending on size

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.