

ISIL İŞLEM VE ÇÖKELME SERTLEŞMESİNE UYGUN ÇELİKLER

Application Segments

Aerospace

Mevcut Ürün Şekilleri

Uzun Ürünler

Ürün Tanımı

BÖHLER V118S1 is a premium aircraft-quality, low-alloy Ni-Cr-Mo steel in the form of bars, forgings and forging stock requiring high tensile and toughness values, particular in large cross sections in the hardened and tempered condition. The molybdenum addition prevents the steel from being susceptible to temper brittleness.

These products have been used typically for parts requiring a through-hardening capability up to 6 inches (152,4 mm) in nominal thickness at time of heat treatment but usage is not limited to such applications.

Erime rotası

Airmelted

Uygulamalar

> Yapısal Elemanlar (Havacılık ve Uzay)

Teknik veriler

Malzeme Tanımı		Standartlar	
S98	Market grade	S98	BS
1.6745	SEL	S99	
40NiMoCr10-5	EN		

Kimyasal Bileşim

C	Si	Mn	P	S	Cr	Mo	Al
0,36 kadar 0,44	0,10 kadar 0,35	0,45 kadar 0,7	maks. 0,025	maks. 0,015	0,5 kadar 0,8	0,45 kadar 0,65	0,015 kadar 0,050

Related to BS S98

Teslimat durumu

Hardened and Tempered

Sertlik (HB)	341 kadar 388 S98D, bright bars up to 152.4mm diameter
Çekme mukavemeti (MPa)	1.158 kadar 1.313
Akma dayanımı (MPa)	min. 1.004

Hardened and Tempered

Sertlik (Unit)	341 kadar 388 S98B, black bars up to 152.4mm diameter
Çekme mukavemeti (MPa)	1.158 kadar 1.313
Akma dayanımı (MPa)	min. 1.004

Yuvarlak çubuklar

Çap mm			MOQ kg	Uzunluk m			Hoşgörü
Haddelenmiş							
5,01	-	12,49	750	3,00	-	4,00	IT h/k 11
12,50	-	55,00	900	3,00	-	4,00	IT h/k 11
55,01	-	69,00	1.200	3,00	-	4,00	IT h/k 11
69,01	-	72,00	1.000	3,00	-	4,00	IT h/k 11
72,01	-	82,00	1.150	3,00	-	4,00	IT h/k 11
82,01	-	120,01	1.400	3,00	-	4,00	IT h/k 11
120,01	-	145,00	1.400	3,00	-	5,00	IT h/k 14

For additional specifications and other sizes please contact BÖHLER Edelstahl - Special Materials Aerospace & Land Based Turbine

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.

voestalpine BÖHLER Edelstahl GmbH & Co KG

Mariazeller Straße 25

8605 Kapfenberg, AT

T. +43/50304/20-0

E. info@bohler-edelstahl.at

<https://www.voestalpine.com/bohler-edelstahl/de/>

voestalpine

ONE STEP AHEAD.