

ISIL İŞLEM VE ÇÖKELME SERTLEŞMESİNE UYGUN ÇELİKLER

Application Segments

Aerospace

Mevcut Ürün Şekilleri

Uzun Ürünler

Ürün Tanımı

BÖHLER V141 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)

> Diğer Havacılık ve Uzay Parçaları

Teknik veriler

Malzeme Tanımı	Standartlar
S97 Market grade	S97 S140 BS S154

Kimyasal Bileşim

C	Si	Mn	P	S	Cr	Mo	Ni	Al
0,27 kadar 0,35	0,15 kadar 0,35	0,45 kadar 0,7	maks. 0,025	maks. 0,015	0,5 kadar 0,8	0,45 kadar 0,65	2,3 kadar 2,8	0,015 kadar 0,050

Related to BS S97

Teslimat durumu

Annealed

Sertlik (HB)	maks. 277 S97A billets and bars for forging
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Hardened and Tempered

Sertlik (HB)	293 kadar 341 S97 B and D bright bars for further processing, S97C forgings
Çekme mukavemeti (MPa)	1.004 kadar 1.158
Akma dayanımı (MPa)	min. 850

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	-	120,00	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.

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ONE STEP AHEAD.