

NI ESASLI ALAŞIMLAR

Application Segments

Aerospace

Mevcut Ürün Şekilleri

Uzun Ürünler

Ürün Tanımı

BÖHLER L303 is a corrosion and heat resistant nickel alloy in the form of bars, forging and forging stock. The alloy's high-temperature strength is derived from its solid solution strengthening elements of molybdenum, cobalt, and chromium, and its age-hardening elements, aluminum and titanium. Its strength and stability ranges are higher than those typically available for Alloy 718. It is widely used typically for rotating parts, such as compressor and gas turbine blades, disks, hubs, shafts bolts and spacers requiring high strength up to 1500°F (816°C) and oxidation resistance up to 1750°F (954°C) but usage is not limited to such applications.

Erime rotası

VIM + VAR

Uygulamalar

> Türbin ve Motor Parçaları (Havacılık ve Uzay) > Havacılık > Diğer Havacılık ve Uzay Parçaları

Teknik veriler

Malzeme Tanımı	Standartlar	
Waspaloy	Market grade	
2.4654	SEL	
NiCr19Co14MoTi	EN	
NiCr20Co13Mo4Ti3Al	EN	
NC20K14	EN	
N07001	UNS	
	B637	ASTM
	5704	
	5706	AMS
	5707	

Kimyasal Bileşim

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Co	Ti	Al	B	Fe	Pb	Bi	Se	Ag
0,02 kadar 0,1	maks. 0,15	maks. 0,1	maks. 0,015	maks. 0,015	18 kadar 21	3,5 kadar 5	REM	maks. 0,1	12 kadar 15	2,75 kadar 3,25	1,2 kadar 1,6	0,003 kadar 0,01	maks. 2	maks. 5 ppm	maks. 0,3 ppm	maks. 3 ppm	maks. 5 ppm

Related to AMS5704

Teslimat durumu

Solution annealed, stabilized and precipitation hardened

Sertlik (HB)	341 kadar 401
Çekme mukavemeti (MPa)	min. 1.207
Akma dayanımı (MPa)	min. 827

Yuvarlak çubuklar

Çap mm		MOQ kg	Uzunluk m		Hoşgörü
Haddelenmiş					
15,00	-	55,00	700	3,00 - 4,00	IT h/k 12
DÖVÜLMÜŞ					
101,60	-	203,20	2.200	2,00 - 6,00	IT h/k 12

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.

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.