BÖHLER

BÖHLER LHX

NI-BASE ALLOYS

Available Product Variants

Long Products | Round Bar | Plates

Product Description

Corrosion and heat resistant nickel alloy in the form of bars, forging and forging stock.
Resistant to oxidation up to 2200°F (1204°C) and high strength above 1500°F (816°C).
It is widely used typically for parts, in engines especially for combustion chambers, after burners and exhaust components but usage is not limited to such applications.

Process Melting

VIM + VAR

Applications

- Turbine and Engine Parts (Aerosp)
- Aerospace
- Other Aerospace Comps.

Technical data

Material designation	
2.4665	SEL
N06002	UNS
N06002	
NC22FeD	EN
Alloy X	Market grade

Standards	
B572	ASTM
5754	AMS

Chemical composition (wt. %)

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Co	Ti	Al	Nb	B
0.05 to 0.15	max. 1	max. 1	max. 0.04	max. 0.03	20.5 to 23	8 to 10	max. Rem	max. 0.3	max. 1	0.65 to 1.15	0.2 to 1.15	4.75 to 5.5	max. 0.006

Related to AMS5754

Delivery condition

Solution annealed	
Hardness	max. 241 HB

Available Dimensions

Round Bars

Diameter						MOQ ex mill		Length						Tolerance
mm			inch			kg	lbs	m			ft			
ROLLED														
15.00	-	55.00	0.591	-	2.165	750	1,653	3.00	-	4.00	9.84	-	13.12	IT h/k 12
55.01	-	101.60	2.166	-	4.000	1,500	3,307	3.00	-	4.00	9.84	-	13.12	IT h/k 12
FORGED														
100.61	-	152.40	3.961	-	6.000	1,400	3,086	2.00	-	6.00	6.56	-	19.69	IT h/k 12

For more information see https://www.voestalpine.com/bohler-edelstahl/de/

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 bebound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate frompractical 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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voestalpine
ONE STEP AHEAD.