

AUSTENITICKÉ OCELE

Application Segments

Letecký priemysel

Dostupné výrobné profily

Tyčové polotovary*

Plechý

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

Popis produktu

Food processing industry, breweries, fermentation and dairy industries, paper and pulp industry, nitric acid plants, production of explosives, oil, grease and soap production, leather industry, vegetable tanning equipment, mechanical engineering, nuclear engineering, aircraft industry.

Spôsob výroby

Konvenčná výroba

Aplikácia

> Ostatné letecké komponenty

Technické údaje

Označenie materiálu		Normy	
1.4546	SEL	5646	AMS
X5CrNiNb18-10	EN	S130	BS
Z6CnNb1810		970 Pt.3	
S34700	UNS		

Chemické zloženie

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Co	Nb
max. 0,08	max. 1	max. 2	max. 0,04	max. 0,03	17 až 19	max. 0,75	9 až 12	max. 0,75	max. 1	10xC až 1,1

Related to AMS5646

Stav pri dodaní
Solution annealed

Pevnosť v ťahu (MPa) | min. 517 | bars above 12.7 mm diameter

Medza klzu (MPa) | min. 207 | bars above 12.7 mm diameter

Solution annealed

Pevnosť v ťahu (MPa) | 586 až 862 | wire

Solution annealed

Tvrdosť (HB) | 140 až 255 | bars up to 50.8 mm diameter, inclusive

Solution annealed

Tvrdosť (HB) | max. 255 | bars above 50.8 mm diameter

Okrúhle tyče

Priemer mm			MOQ kg	Dĺžka m			Tolerancia
valcované							
5,01	-	12,49	800	3,00	-	4,00	IT h/k 11
12,50	-	55,00	950	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	1 300	3,00	-	4,00	IT h/k 11
120,01	-	140,00	1 300	3,00	-	5,00	IT h/k 14
kované							
140,01	-	220,00	1 400	2,00	-	5,00	IT h/k 14

Long Products: For additional specifications, technical requirements, and other dimensions, please contact our regional voestalpine BÖHLER sales companies.

Sheet & Plates: Product Variant may differ in terms of melting process, technical data, delivery, and surface condition as well as available product dimensions. Please contact voestalpine BÖHLER Bleche GmbH & Co KG.

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.