

MATERIAL NUMBER 1.4961 · CLASS 1.4

X8CrNiNb16-13

Material no. 1.4961

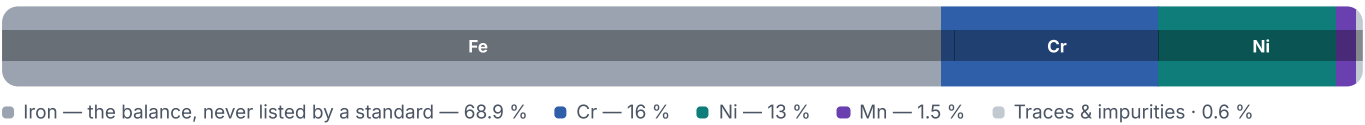
Chemical composition, mechanical and physical property values, and 16 standard designations from 7 regions.

DENSITY 7.98 g/cm³	OTHER DESIGNATIONS 16 in 7 regions	PROPERTY VALUES 8 on file
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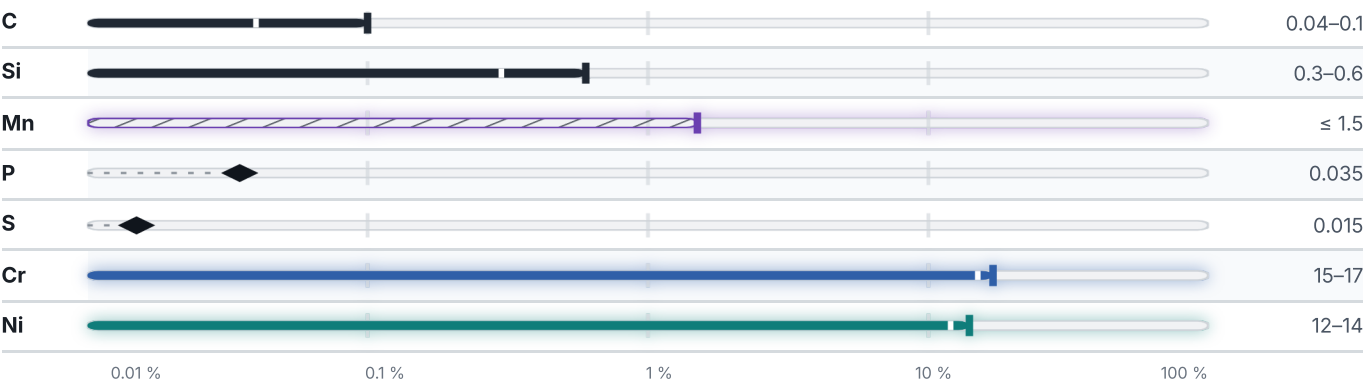
Chemical composition

Mass fraction in %

What this alloy is



Logarithmic scale, 0.01 % to 100 % — every value here compares directly, decade by decade.



The scale is logarithmic, not the element's raw share of the alloy — the only honest way to fit 0.01 % and 100 % in one picture, and it means every value here can be compared with every other.

Predicted transformation temperatures

Not enough recorded composition to predict a transformation temperature for this grade — missing: Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.98	g/cm³

Designations across standards

16 designations · 3 documented as identical

United States	7	Japan	2
S34700	uns	SUS 347HFB	jis
S34709 This grade's own name	uns	SUS 347HTP	jis
347	aisi-sae		
347H This grade's own name	aisi-sae	Russia / CIS	2
S34709	aisi-sae	08Ch18N10B	gost
347 H	astm	08X18H10B	gost
TP347	astm		
United Kingdom	2	Europe	1
347 S 51	bs	X8CrNiNb16-13 This grade's own name	din-en
832 Nb	bs	France	1
		Z6CNNb18-10	afnor
		Poland	1
		OH18N12Nb	pn

Note on use. The data is compiled to the best of our knowledge from publicly available standards and manufacturer documentation. It replaces neither material testing nor an inspection document to EN 10204. Please request a mill certificate to EN 10204 2.1, 3.1 or 3.2 together with your enquiry. The standard in its current valid edition always prevails.

Enquiry about X8CrNiNb16-13

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.4961	Aug 20, 2026