

MATERIAL NUMBER 1.4958 · CLASS 1.4

X5NiCrAlTi31-20

Material no. 1.4958

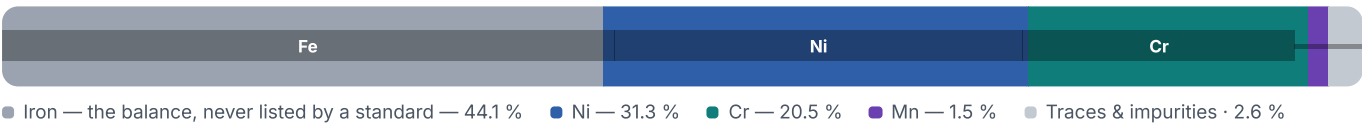
Chemical composition, mechanical and physical property values, and 17 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 17 in 6 regions	PROPERTY VALUES 14 on file
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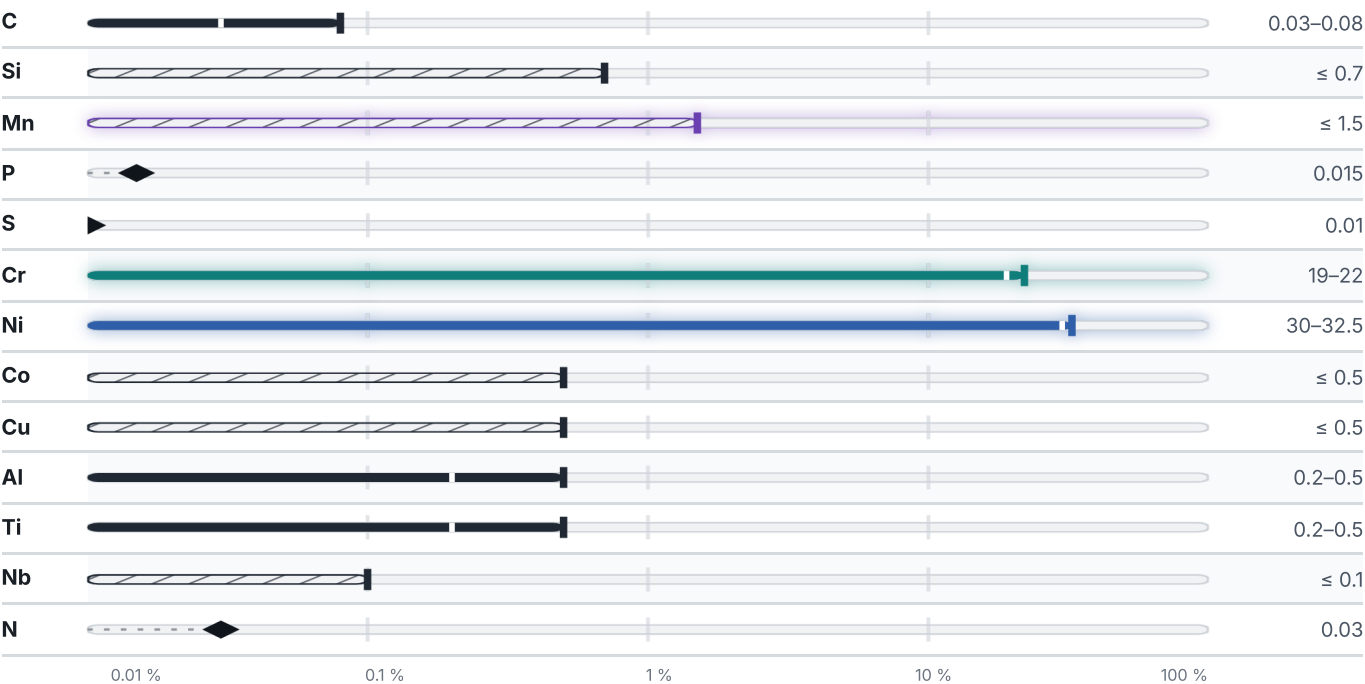
Chemical composition

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	7.85	g/cm³

Designations across standards

17 designations · 2 documented as identical

United States	9	International	2
Incoloy 800	uns	FeNi32Cr21AlTi	iso
Incoloy 800H	uns	NW8800	iso
Incoloy 800HT	uns		
N08800	uns	Russia / CIS	2
N08810 This grade's own name	uns	Ch20N32T	gost
N08811	uns	EP670 /ChN32T	gost
B407	astm		
B408	astm	Europe	1
B409	astm	X5NiCrAlTi31-20 This grade's own name	din-en
France	2	United States / Aerospace	1
Z10NC32-21	afnor	5871	ams
Z8NC33-21	afnor		

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 X5NiCrAlTi31-20

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	1.4958	Aug 20, 2026