

MATERIAL NUMBER 1.4558 · CLASS 1.4

X2NiCrAlTi32-20

Material no. 1.4558

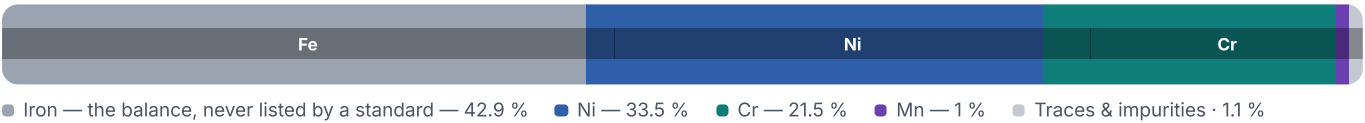
Chemical composition, mechanical and physical property values, and 13 standard designations from 5 regions.

DENSITY 7.95 g/cm³	OTHER DESIGNATIONS 13 in 5 regions	PROPERTY VALUES 10 on file
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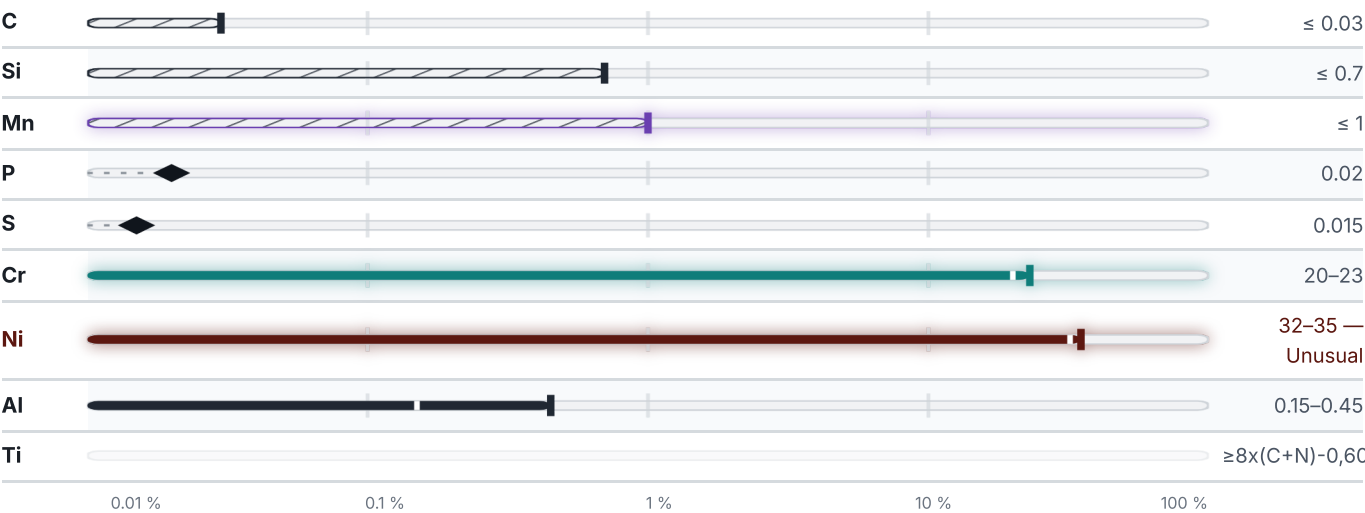
Chemical composition

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	7.95	g/cm³

Designations across standards

13 designations · 2 documented as identical

United States		6	International		2
Incoloy 800	uns		FeNi32Cr21AlTi		iso
Incoloy 800H	uns		NW8800		iso
Incoloy 800HT	uns		Russia / CIS		2
N08800	This grade's own name	uns			
N08810	uns		Ch20N32T		gost
N08811	uns		EP670 /ChN32T		gost
France		2	Europe		1
Z10NC32-21	afnor		X2NiCrAlTi32-20	This grade's own name	din-en
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 X2NiCrAlTi32-20

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	1.4558	Aug 20, 2026