

MATERIAL NUMBER 1.4959 · CLASS 1.4

X7NiCrAlTi33-21

Material no. 1.4959

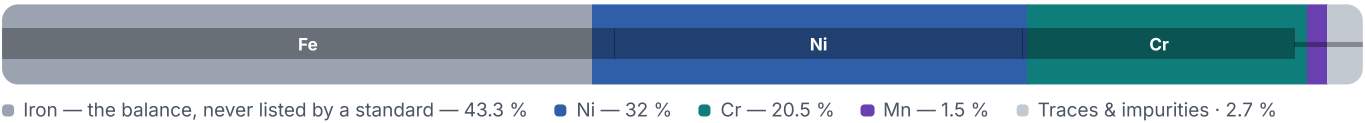
Chemical composition, mechanical and physical property values, and 19 standard designations from 6 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 19 in 6 regions	PROPERTY VALUES 13 on file
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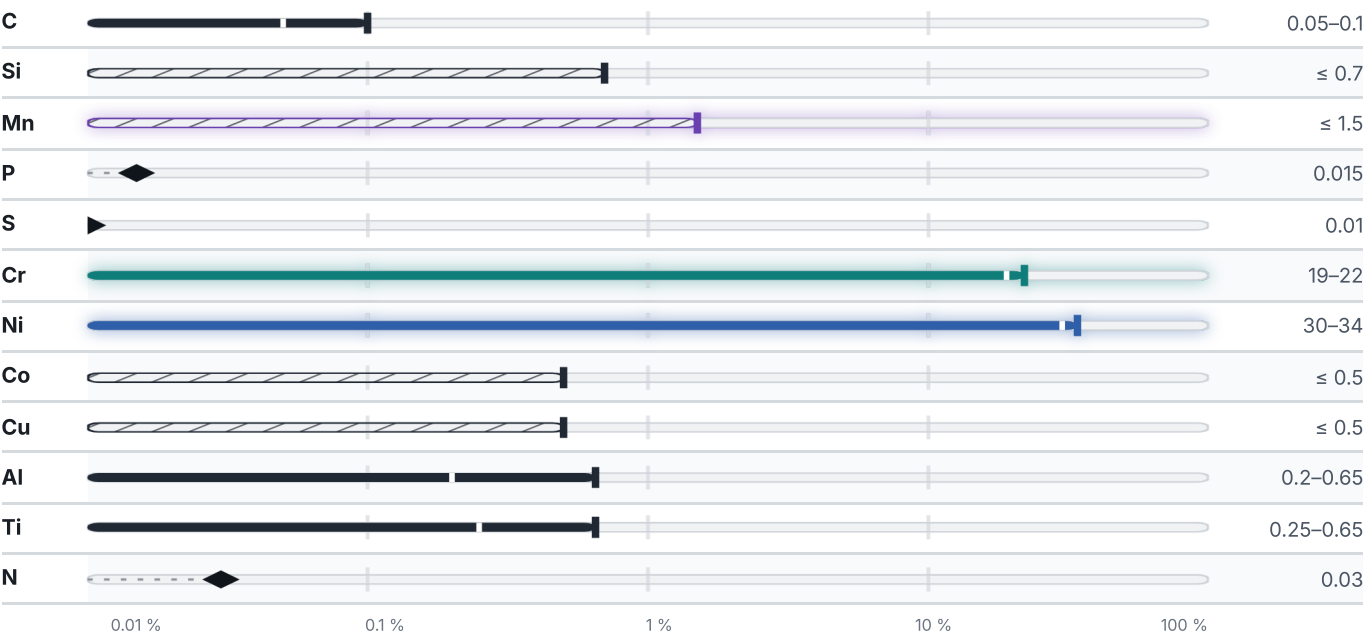
Chemical composition

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

19 designations · 5 documented as identical

United States		7	United Kingdom		2
Incoloy 800		uns	NA 15		bs
Incoloy 800H		uns	NA 15 H		bs
Incoloy 800HT		uns			
N08800		uns	France		2
N08810	This grade's own name	uns	Z10NC32-21		afnor
N08811		uns	Z8NC33-21		afnor
N08811		aisi-sae			
Europe		4	International		2
X7NiCrAlTi33-21	This grade's own name	din-en	FeNi32Cr21AlTi		iso
X8NiCrAlTi32-20	This grade's own name	din-en	NW8800		iso
X8NiCrAlTi32-21	This grade's own name	din-en	Russia / CIS		2
X8NiCrAlTi33-21	This grade's own name	din-en	Ch20N32T		gost
			EP670 /ChN32T		gost

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 X7NiCrAlTi33-21

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	1.4959	Aug 20, 2026