

MATERIAL NUMBER 1.4912 · CLASS 1.4

Z8CNNb18-10

Material no. 1.4912

also listed as X7CrNiNb18-10

Chemical composition, mechanical and physical property values, and 8 standard designations from 4 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 8 in 4 regions	PROPERTY VALUES 9 on file
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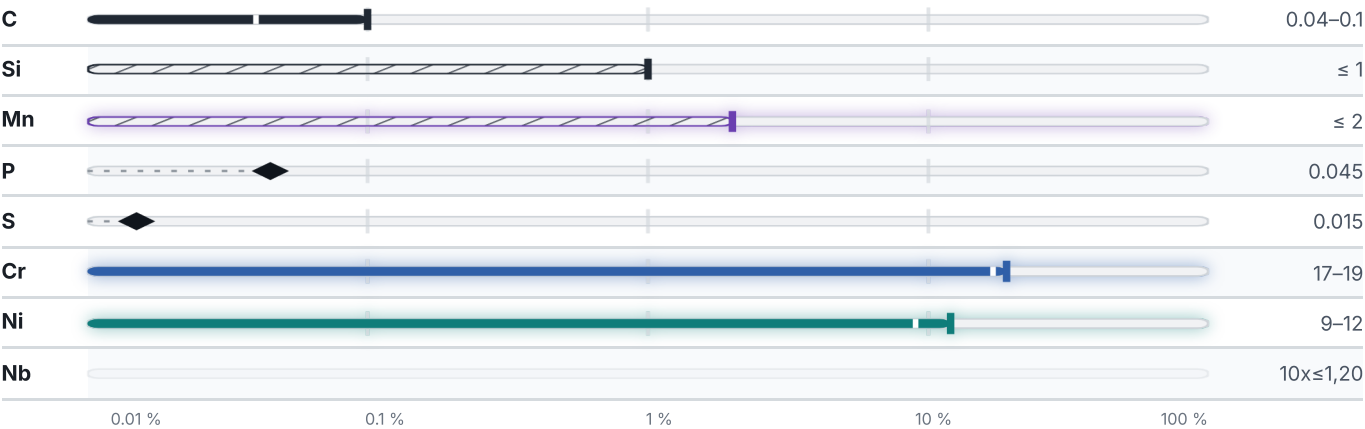
Chemical composition

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

8 designations · 3 documented as identical

United States	3	Europe	1
S34709 This grade's own name	uns	X7CrNiNb18-10 This grade's own name	din-en
347H This grade's own name	aisi-sae		
S34709	aisi-sae	Japan	1
		SUS347H	jis
France	3		
Z2CND17-11	afnor		
Z2CND18-13	afnor		
Z8CNNb18-10	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 Z8CNNb18-10

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	1.4912	Aug 20, 2026