

MATERIAL NUMBER 1.4316 · CLASS 1.4

X1CrNi19-9

Material no. 1.4316

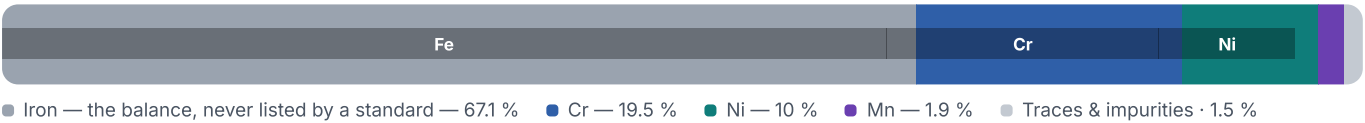
Chemical composition, mechanical and physical property values, and 11 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 11 in 5 regions	PROPERTY VALUES 8 on file
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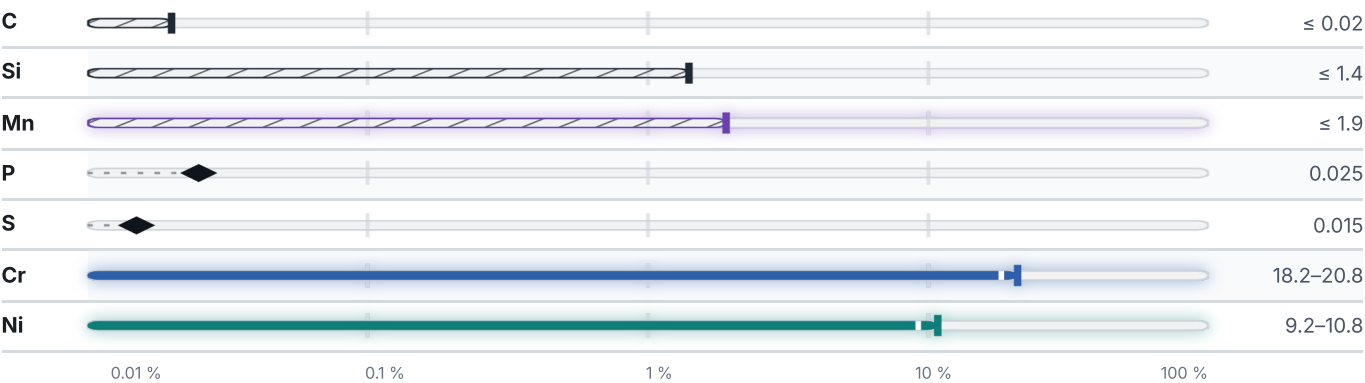
Chemical composition

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	7.85	g/cm³

Designations across standards

11 designations · 3 documented as identical

France		5	United States		2
Z1CN20-10	afnor		S30883	This grade's own name	uns
Z1CN20-11	afnor		S30883		aisi-sae
Z2CN20-10	afnor				
Z2CNS20-10	afnor		Japan		1
Z3CN20-10	afnor		SUS Y 308L		jis
Europe		2	Russia / CIS		1
X1CrNi19-9	This grade's own name	din-en	Sw-01Ch19N9		gost
X2CrNi19-9	This grade's own name	din-en			

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 X1CrNi19-9

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	1.4316	Aug 20, 2026