

MATERIAL NUMBER 1.4316 · CLASS 1.4

Sw-01Ch19N9

Material no. 1.4316

also listed as X1CrNi19-9

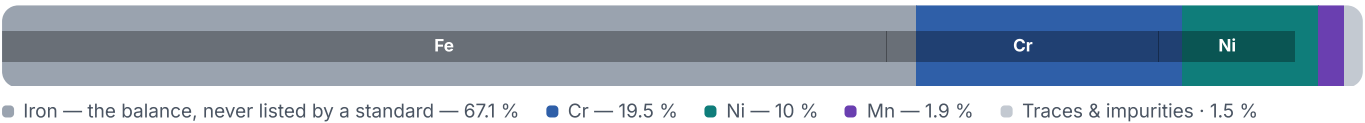
Chemical composition, mechanical and physical property values, and 11 standard designations from 5 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 11 in 5 regions	PROPERTY VALUES 8 on file
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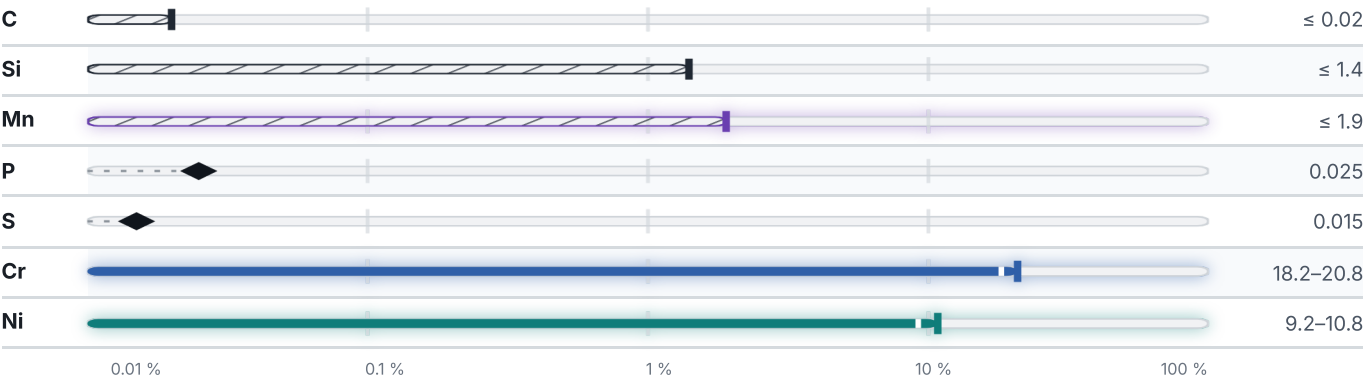
Chemical composition

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

France5		United States2	
Z1CN20-10	afnor	S30883	This grade's own nameuns
Z1CN20-11	afnor	S30883	aisi-sae
Z2CN20-10	afnor	Japan1	
Z2CNS20-10	afnor		
Z3CN20-10	afnor		
Europe2		Russia / CIS1	
X1CrNi19-9	This grade's own namedin-en	Sw-01Ch19N9	gost
X2CrNi19-9	This grade's own namedin-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 Sw-01Ch19N9

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