

MATERIAL NUMBER 1.4325 · CLASS 1.4

X9CrNi18-9

Material no. 1.4325

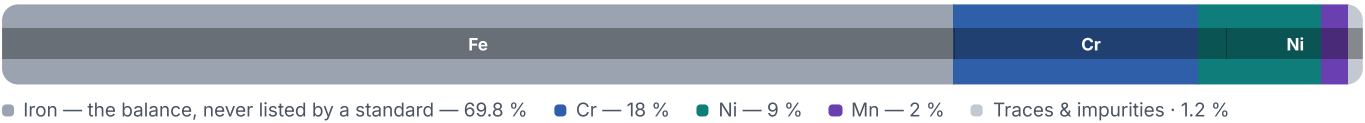
Chemical composition, mechanical and physical property values, and 51 standard designations from 10 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	51 in 10 regions	8 on file

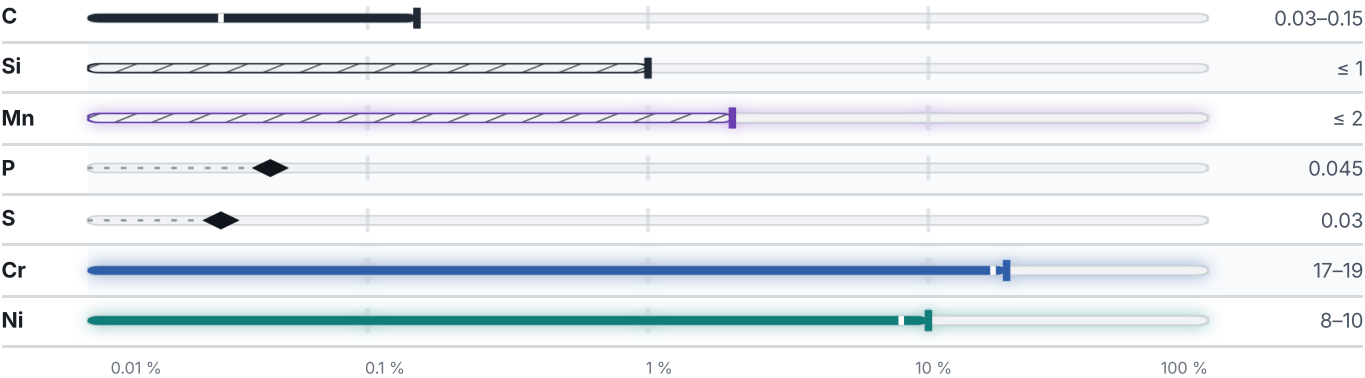
Chemical composition

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.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	215

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

51 designations · 3 documented as identical

United States23		United States / Aerospace16	
S30200	This grade's own nameuns	5358	ams
302	This grade's own nameaisi-sae	5500	ams
30302	aisi-sae	5515	ams
A240	astm	5516	ams
A264	astm	5600	ams
A276	astm	5636	ams
A313	astm	5637	ams
A314	astm	5688	ams
A368	astm	5693	ams
A473	astm	5866	ams
A478	astm	5903	ams
A479	astm	5904	ams
A480	astm	5905	ams
A492	astm	5906	ams
A493	astm	6693	ams
A511	astm	7241	ams
A554	astm	United Kingdom2	
A580	astm		
A666	astm	301 S 21	bs
F1669	astm	302S25	bs
F2215	astm	Spain2	
F599	astm		
F899	astm	F-3507	une
		X10CrNi18-9	une
		Japan2	
		SUS 301	jis
		SUS 302	jis
		Russia / CIS2	
		12Ch18N9	gost
		12Kh18N9	gost
		Europe1	
		X9CrNi18-9	This grade's own namedin-en

China	1	Brazil	1
1Cr18Ni9	gb	302	abnt
Poland	1		
1H18N9	pn		

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 X9CrNi18-9

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	1.4325	Aug 20, 2026