

MATERIAL NUMBER 1.4929 · CLASS 1.4

X23CrMoWMnNiV12-1-1

Material no. 1.4929

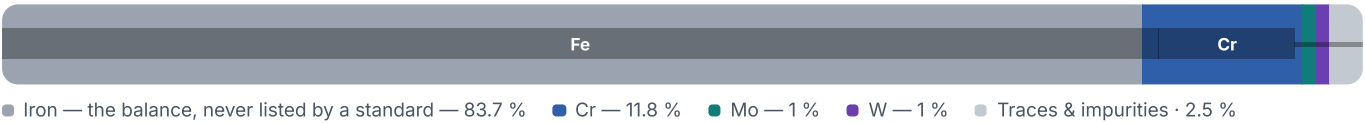
Chemical composition, mechanical and physical property values, and 9 standard designations from 4 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	9 in 4 regions	11 on file

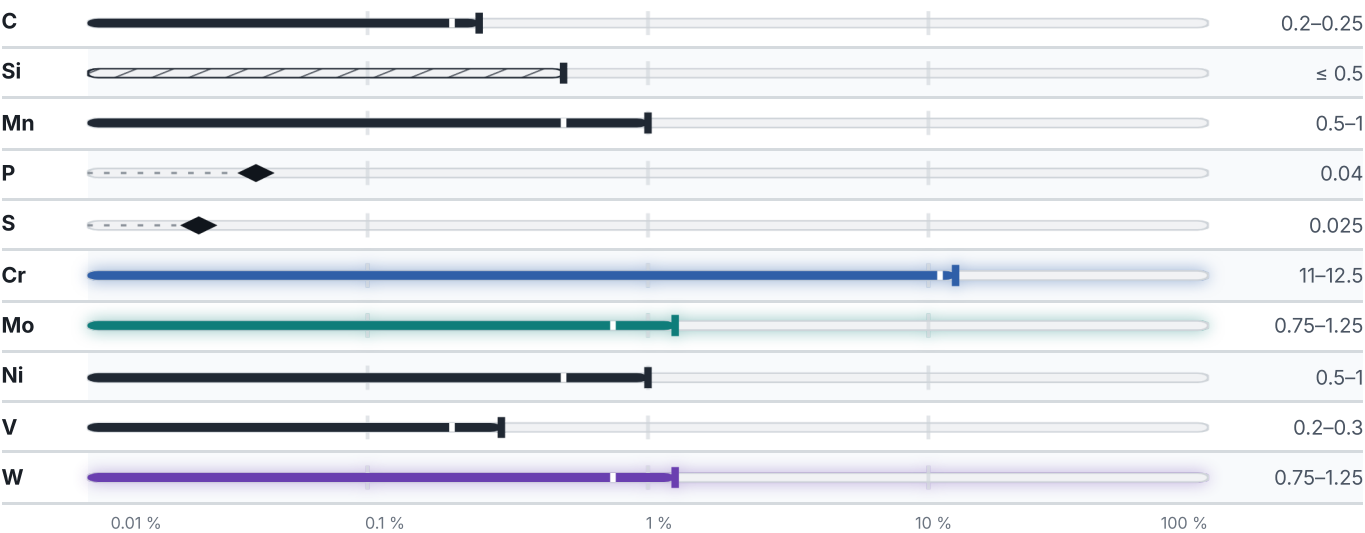
Chemical composition

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

9 designations · 3 documented as identical

United States		6	Europe		1
S42200	This grade's own name	uns	X23CrMoWMnNiV12-1-1	This grade's own name	din-en
422	This grade's own name	aisi-sae			
51422		aisi-sae	United States / Aerospace		
616		aisi-sae	5655		
A 565		astm			
A176		astm	Japan		
			SUH616		
			ams		
			1		
			jis		

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 X23CrMoWMnNiV12-1-1

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	1.4929	Aug 20, 2026