

MATERIAL NUMBER 1.4923 · CLASS 1.4

23H12MNF

Material no. 1.4923

also listed as X21CrMoNiV12-1

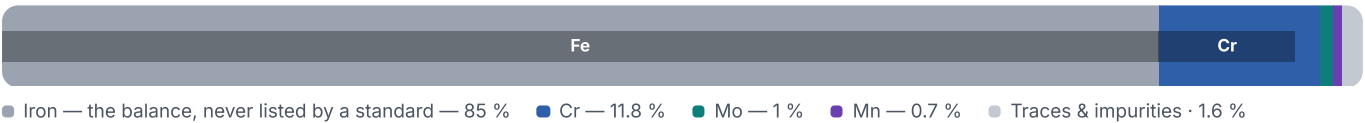
Chemical composition, mechanical and physical property values, and 9 standard designations from 6 regions.

DENSITY 7.7 g/cm ³	OTHER DESIGNATIONS 9 in 6 regions	PROPERTY VALUES 10 on file
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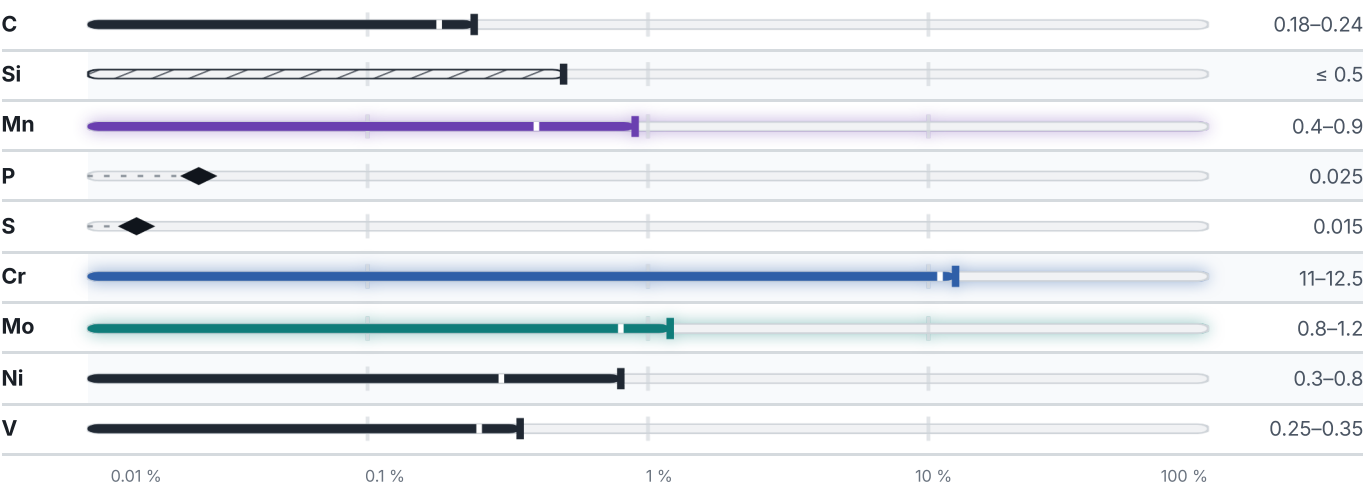
Chemical composition

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

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

Mechanical properties		1 values across 1 conditions
SOFT ANNEALED		HB
Soft annealed		302

Physical properties		1 values
PROPERTY	VALUE	UNIT
Density	7.7	g/cm³

Designations across standards		9 designations · 2 documented as identical
Europe	2	United Kingdom1
X21CrMoNiV12-1	This grade's own name din-en	762bs
X22CrMoV12-1	This grade's own name din-en	Czechia1
France	2	17134csn
Z20CDNbV11	afnor	Slovakia1
Z21CDV12	afnor	17 134stn
Poland	2	
20H12MIF	pn	
23H12MNF	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 23H12MNF

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	1.4923	Aug 20, 2026