

MATERIAL NUMBER 1.4873 · CLASS 1.4

F.3211-X45CrNiSiW

Material no. 1.4873

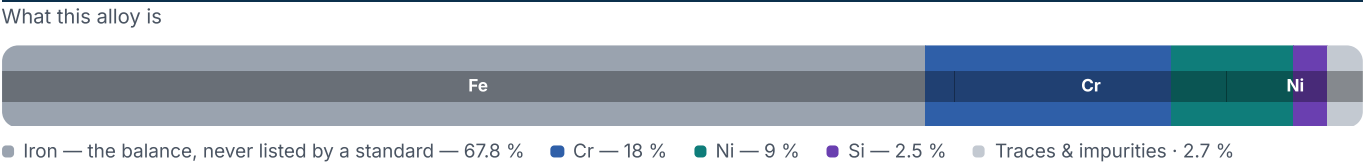
also listed as X45CrNiW18-9

Chemical composition, mechanical and physical property values, and 25 standard designations from 12 regions.

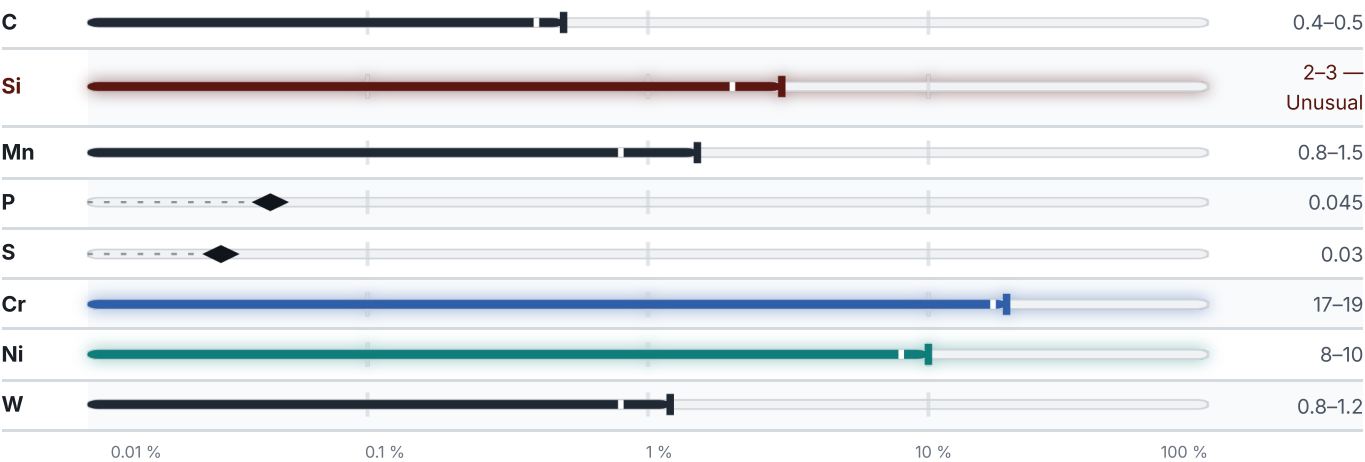
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 25 in 12 regions	PROPERTY VALUES 9 on file
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Chemical composition

Mass fraction in %



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

25 designations · 1 documented as identical

Spain5		United Kingdom2	
28-09	une	331S40	bs
F.320.C	une	331S42	bs
F.3211	une	Bulgaria2	
F.3211-X45CrNiSiW	une	4Ch18N9S2WG	bds
X 45 CrNiSiW 18-09	une	4X18H9C2BF	bds
Japan4		Europe1	
F SUH 31	jis	X45CrNiW18-9	This grade's own name din-en
SUH 31	jis	Czechia1	
SUH 31 TK	jis	17 322	csn
SUH 31 TP	jis	Poland1	
France3		4H14N14W2M	pn
X19T4	afnor	Serbia1	
Z35CNWS14.14	afnor	Č.4571.1	srps
Z45CNW18-09	afnor	Hungary1	
Russia / CIS3		SZ 12	msz
45Ch14N14V2M	gost	Romania1	
45Kh14N14V2M	gost	45WNIcr180	stas
EL189	gost		

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 F.3211-X45CrNiSiW

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	1.4873	Aug 20, 2026