

MATERIAL NUMBER 1.2880 · CLASS 1.2

X165CrCoMo12

Material no. 1.2880

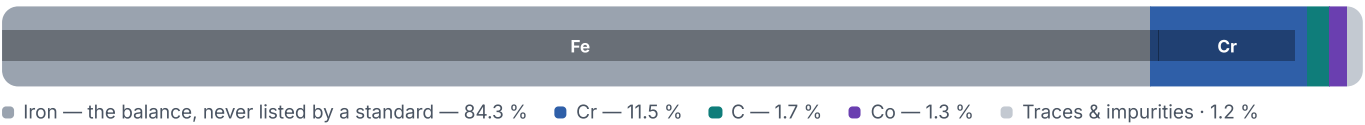
Chemical composition, mechanical and physical property values, and 16 standard designations from 8 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 16 in 8 regions	PROPERTY VALUES 9 on file
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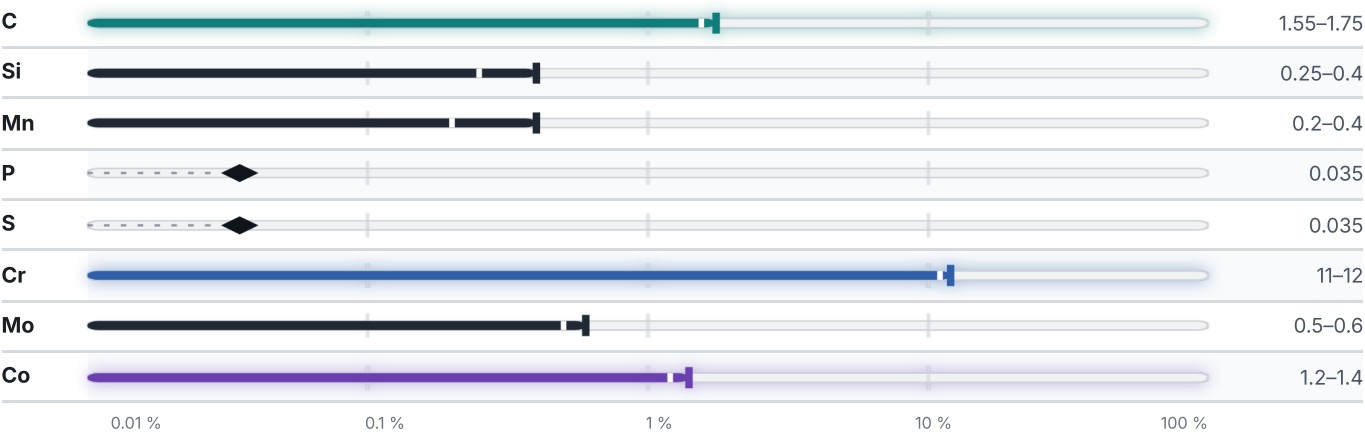
Chemical composition

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: Ni.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

16 designations · 1 documented as identical

China	4	Spain	2
Cr12Mo1V1	gb	F-5211	une
Cr12MoV	gb	X160CrMoV12	une
T21201	gb	International	2
T21202	gb	X153CrMoV12	iso
United States	2	X160CrMoV12-1	iso
T30402	uns	Russia / CIS	2
D2	aisi-sae	Ch12MF	gost
France	2	X12MΦ	gost
X160CrMoV12	afnor	Europe	1
Z160CDV12	afnor	X165CrCoMo12	This grade's own name din-en
		Poland	1
		NC11LV	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 X165CrCoMo12

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	1.2880	Aug 20, 2026