

MATERIAL NUMBER 1.4528 · CLASS 1.4

X105CrCoMo18-2

Material no. 1.4528

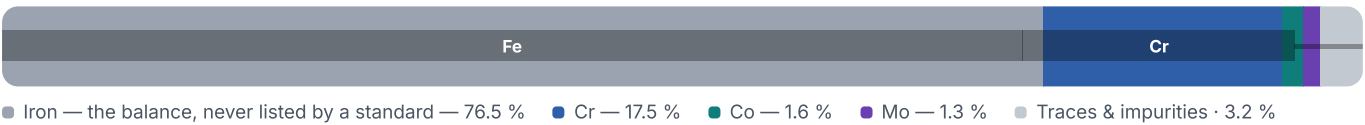
Chemical composition, mechanical and physical property values, and 13 standard designations from 5 regions.

DENSITY 7.7 g/cm ³	OTHER DESIGNATIONS 13 in 5 regions	PROPERTY VALUES 10 on file
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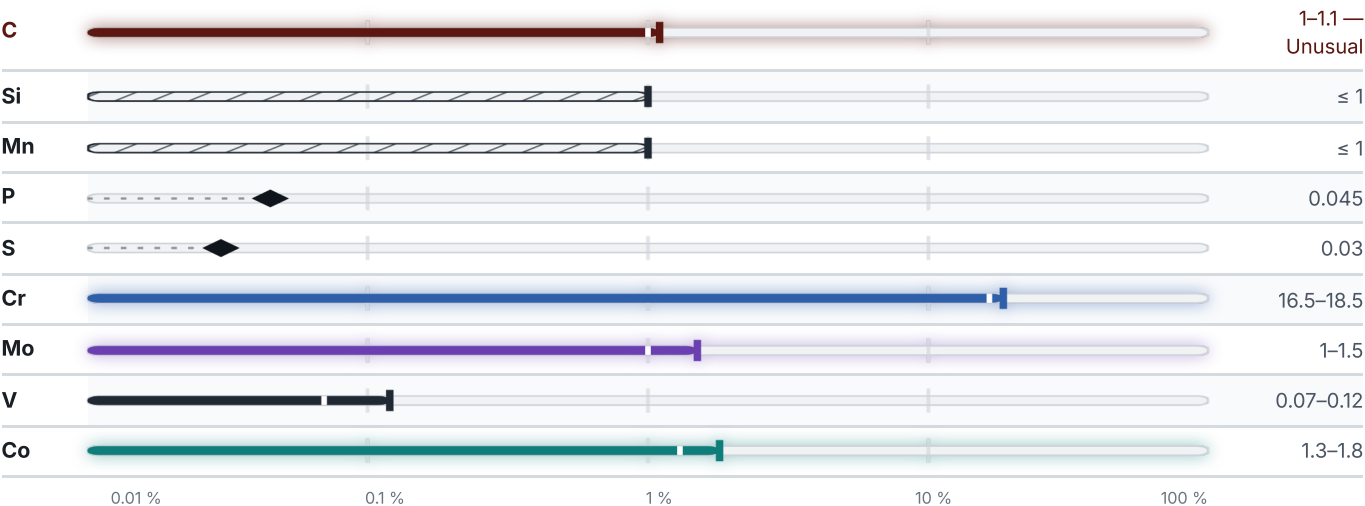
Chemical composition

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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm³

Designations across standards

13 designations · 1 documented as identical

United States		8	Russia / CIS		2
S44002	uns		95Ch18		gost
S44003	uns		95Kh18		gost
S44004	uns		Europe		1
S44020	uns		X105CrCoMo18-2	This grade's own name	din-en
440A	aisi-sae		International		1
440B	aisi-sae		X108CrMo17		iso
440C	aisi-sae		Poland		1
440F	aisi-sae		H18		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 X105CrCoMo18-2

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	1.4528	Aug 20, 2026