

MATERIAL NUMBER 1.4528 · CLASS 1.4

1.4528

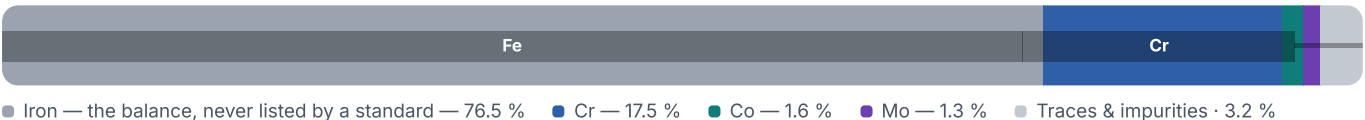
Chemical composition, mechanical and physical property values, and 13 standard designations from 5 regions.

DENSITY 7.7 g/cm³	OTHER DESIGNATIONS 13 in 5 regions	PROPERTY VALUES 10 on file
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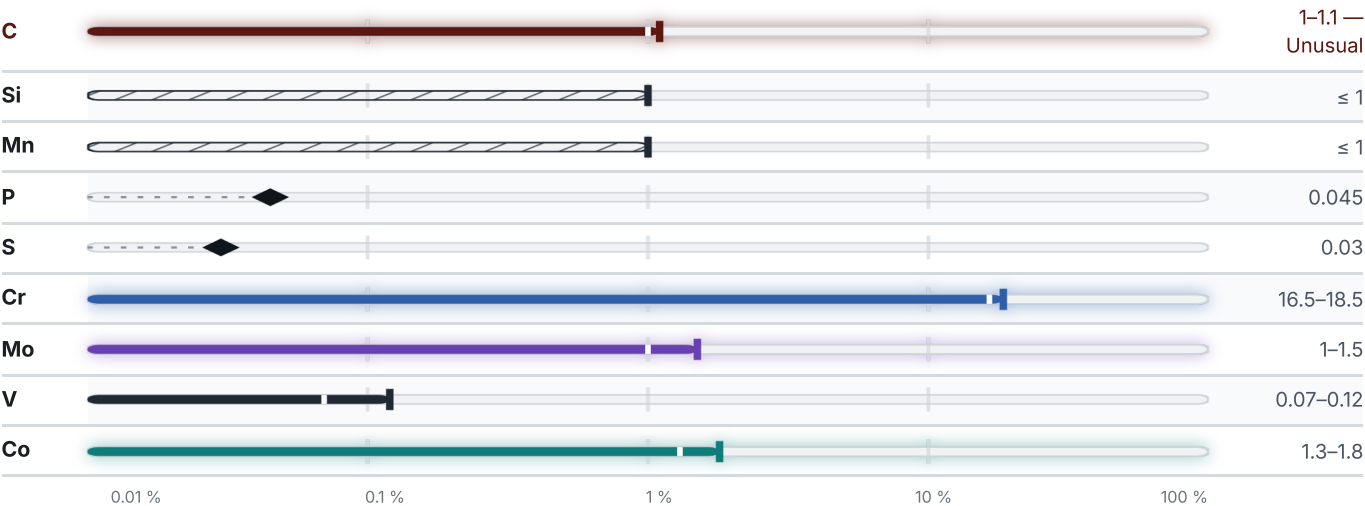
Chemical composition

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				
440A	aisi-sae		X105CrCoMo18-2	This grade's own name	din-en
440B	aisi-sae		International		1
440C	aisi-sae				
440F	aisi-sae		X108CrMo17		iso
			Poland		1
			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 1.4528

Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

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ISSUED

Aug 20, 2026