

MATERIAL NUMBER 1.4513 · CLASS 1.4

X2CrMoNbTi18-1

Material no. 1.4513

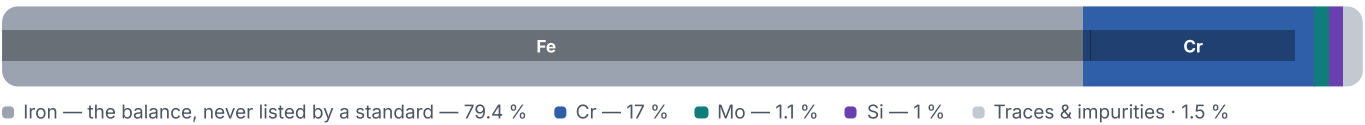
Chemical composition, mechanical and physical property values, and 7 standard designations from 3 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 7 in 3 regions	PROPERTY VALUES 10 on file
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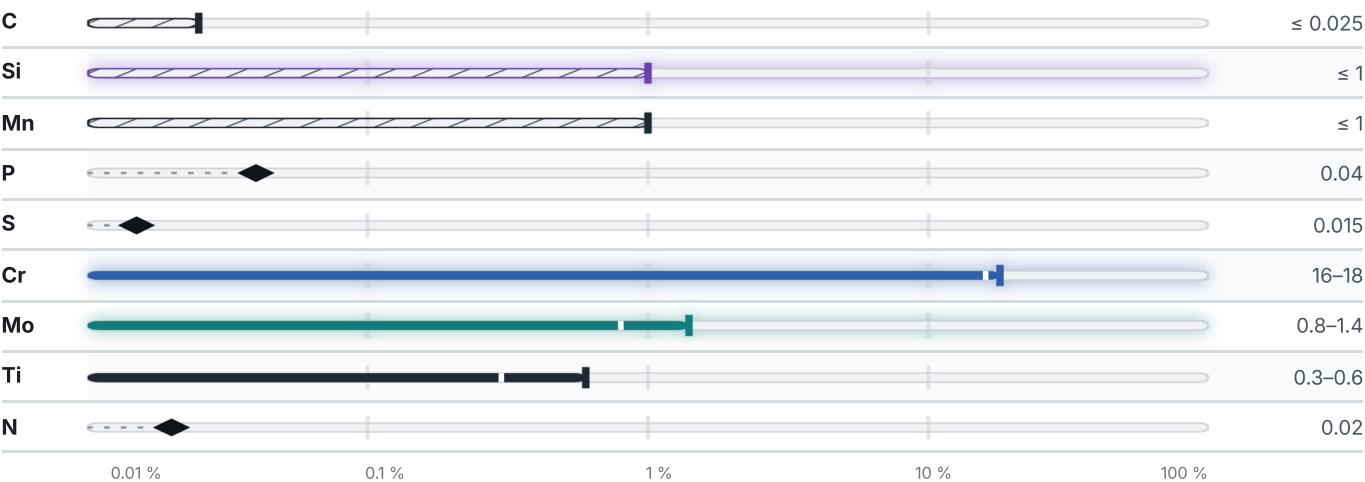
Chemical composition

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.

Mechanical properties

6 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A %	HB	HRB	HV
Plate/Sheet Hot-rolled	410	245	20	–	–	–
Hot-rolled	–	–	–	217	96	230

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

7 designations · 4 documented as identical

United States		4	Europe		2
S43600	This grade's own name	uns	X2CrMoNbTi18-1	This grade's own name	din-en
436	This grade's own name	aisi-sae	X2CrMoTi17-1	This grade's own name	din-en
51436		aisi-sae			
A240		astm	Japan		1
			SUS 436L		jis

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 X2CrMoNbTi18-1

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	1.4513	Aug 20, 2026