

MATERIAL NUMBER 1.4511 · CLASS 1.4

X6CrNb17

Material no. 1.4511

also listed as X3CrNb17

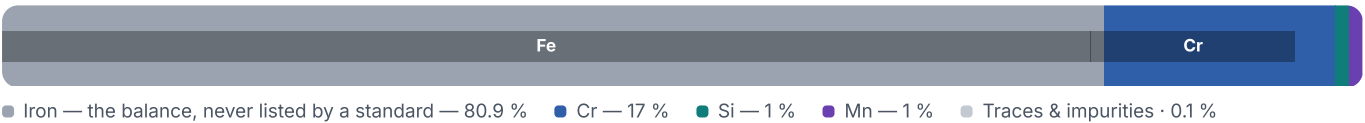
Chemical composition, mechanical and physical property values, and 24 standard designations from 11 regions.

DENSITY 7.7 g/cm ³	OTHER DESIGNATIONS 24 in 11 regions	PROPERTY VALUES 7 on file
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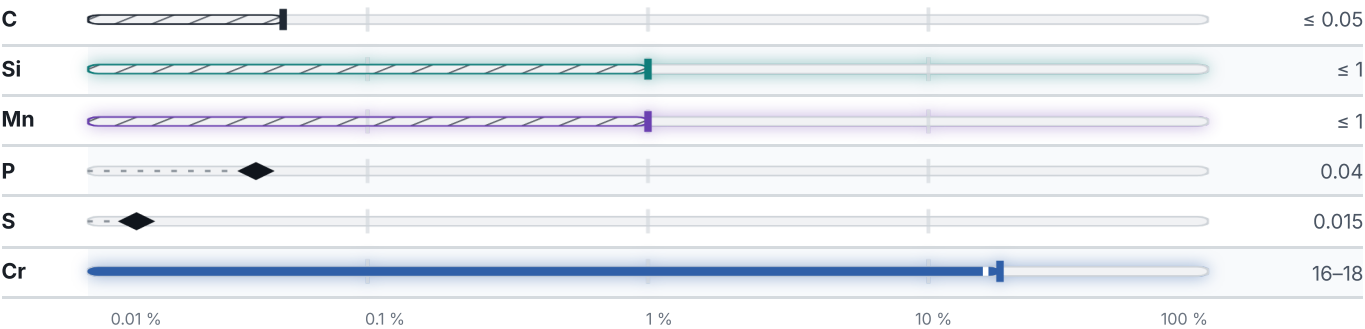
Chemical composition

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, Mo.

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	360	175	22	–	–	–
Hot-rolled	–	–	–	183	88	200

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm ³

Designations across standards

24 designations · 3 documented as identical

United States5		France2	
S43035	uns	Z4CNb17	afnor
S43900	uns	Z4CT17	afnor
430Ti	aisi-sae	China2	
439	aisi-sae		
S43036	aisi-sae	00Cr17	gb
Spain3		022Cr18Ti	gb
F.3122	une	Russia / CIS2	
X 5 CrNb 17	une	08Ch17T	gost
X5CrTi17	une	08X17T	gost
Japan3		Italy2	
SUS 430LXTB	jis	X6CrNb17	uni
SUS430J1L	jis	X6CrTi17	uni
SUS430LX	This grade's own namejis	International1	
Europe2		FP18B	iso
X3CrNb17	This grade's own namedin-en	Poland1	
X6CrNb17	This grade's own namedin-en	0H17T	pn
		Romania1	
		8TiCr170	stas

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 X6CrNb17

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