

MATERIAL NUMBER 1.4512 · CLASS 1.4

X6CrTi12

Material no. 1.4512

also listed as X2CrTi12

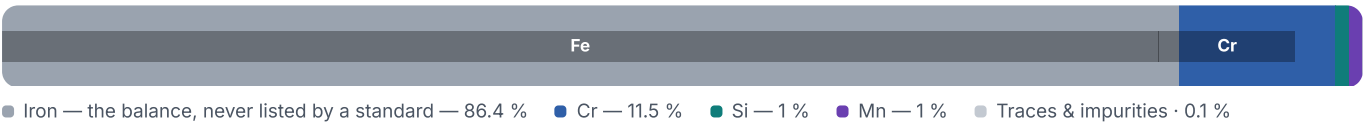
Chemical composition, mechanical and physical property values, and 27 standard designations from 9 regions.

DENSITY 7.7 g/cm³	OTHER DESIGNATIONS 27 in 9 regions	PROPERTY VALUES 8 on file
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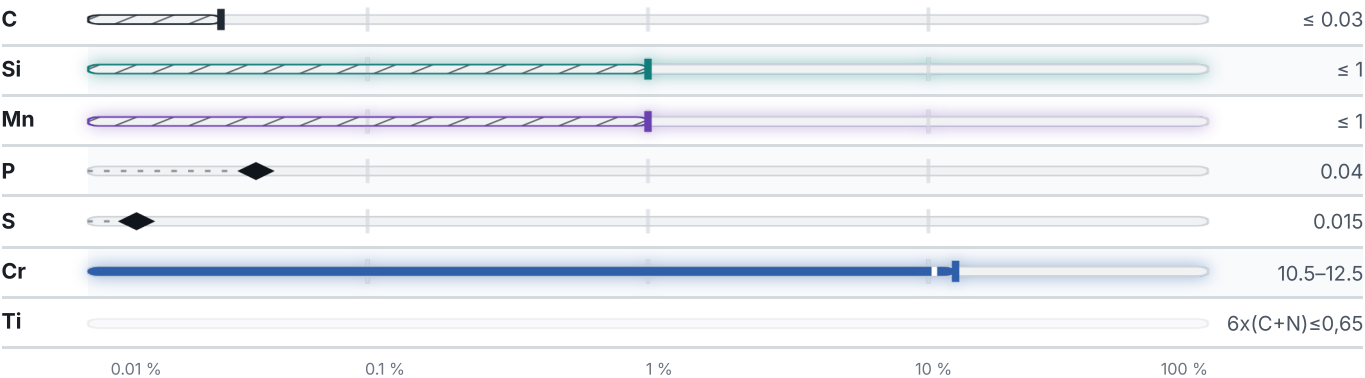
Chemical composition

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

3 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A %
Plate/Sheet	360	175	22

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm ³

Designations across standards

27 designations · 4 documented as identical

United States		10	Europe		2
S40900	This grade's own name	uns	X2CrTi12	This grade's own name	din-en
409	This grade's own name	aisi-sae	X6CrTi12	This grade's own name	din-en
51409		aisi-sae			
S40900		aisi-sae	France		2
A1012		astm	Z3CT12		afnor
A268		astm	Z6CT12		afnor
A651		astm			
A791		astm	Italy		2
A803		astm	X2CrTi12		uni
TP409		astm	X6CrTi12		uni
Japan		5	Spain		1
SUH 409		jis	F.3121		une
SUH 409L		jis			
SUS 409LTB		jis	International		1
SUS 409TB		jis	X6CrTi12		iso
SUS409L		jis			
United Kingdom		3	Brazil		1
409S		bs	409		abnt
409S19		bs			
LW 19		bs			

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 X6CrTi12

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	1.4512	Aug 20, 2026