

MATERIAL NUMBER 1.4003 · CLASS 1.4

S40977

Material no. 1.4003

also listed as X2Cr11

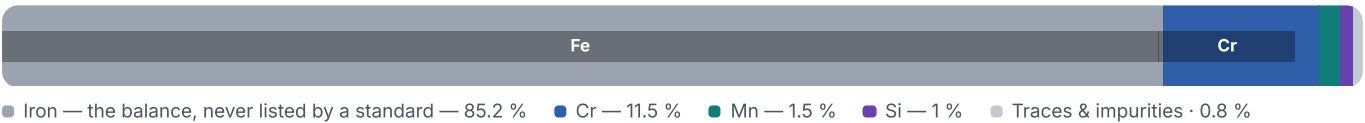
Chemical composition, mechanical and physical property values, and 15 standard designations from 6 regions.

DENSITY 7.7 g/cm ³	OTHER DESIGNATIONS 15 in 6 regions	PROPERTY VALUES 9 on file
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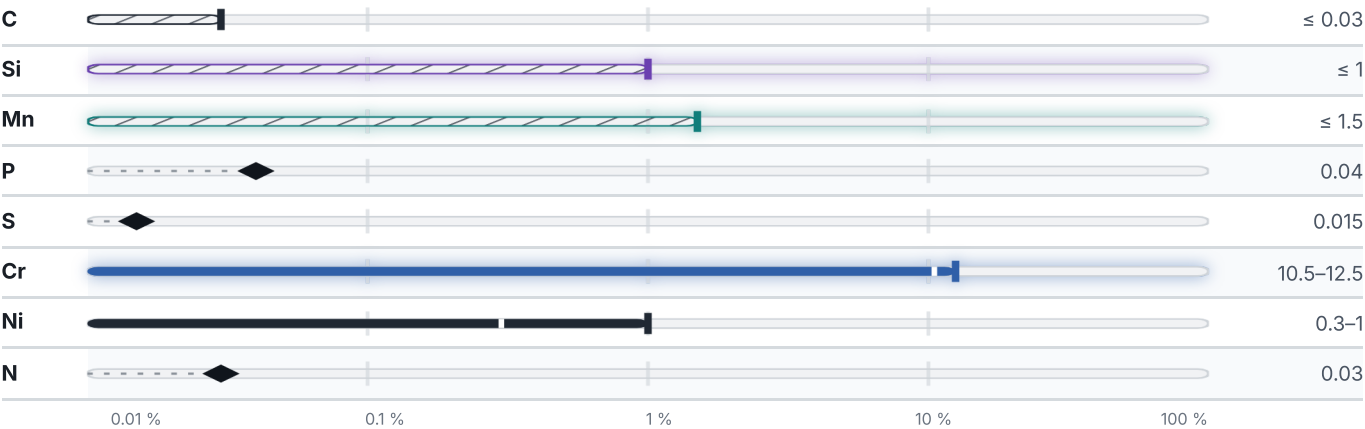
Chemical composition

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: Mo.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	200

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm³

Designations across standards

15 designations · 5 documented as identical

United States	6	France	2
S40977 This grade's own name	uns	Z38C13M	afnor
S41003 This grade's own name	uns	Z8CA12	afnor
S41050 This grade's own name	uns		
405	aisi-sae	Japan	2
410L	aisi-sae	G4303	jis
S40977	aisi-sae	SUS 410L	jis
Europe	3	United Kingdom	1
1.4003	din-en	405S17	bs
X2Cr11 This grade's own name	din-en		
X2CrNi12 This grade's own name	din-en	Italy	1
		X6CrAl13	uni

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 S40977

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	1.4003	Aug 20, 2026