

MATERIAL NUMBER 1.4002 · CLASS 1.4

Č.49702

Material no. 1.4002

also listed as X6CrAl13

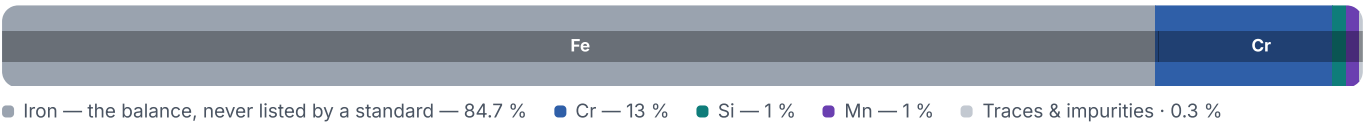
Chemical composition, mechanical and physical property values, and 28 standard designations from 12 regions.

DENSITY 7.7 g/cm³	OTHER DESIGNATIONS 28 in 12 regions	PROPERTY VALUES 8 on file
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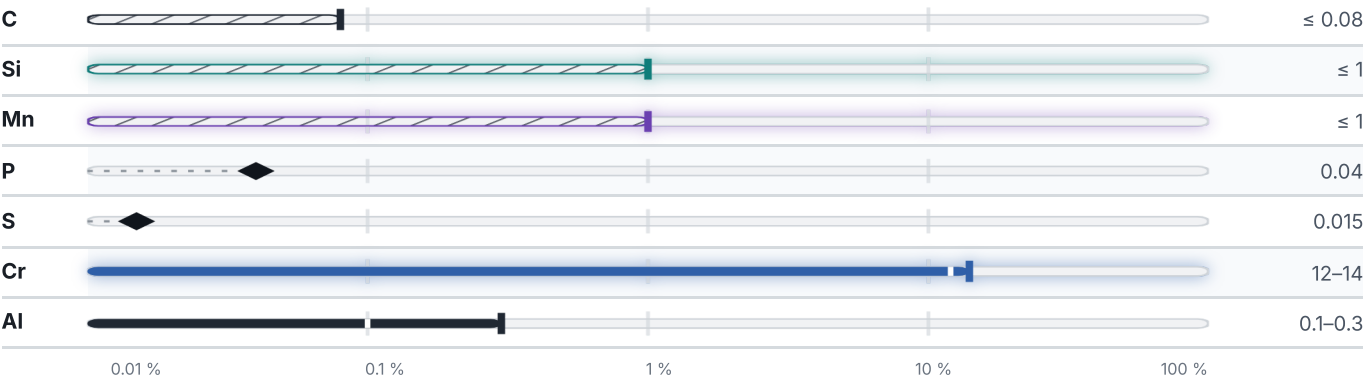
Chemical composition

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

6 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A %	HB	HRB	HV
Plate/Sheet Hot-rolled	410	175	20	–	–	–
Hot-rolled	–	–	–	183	88	200

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm ³

Designations across standards

28 designations · 3 documented as identical

United States12		Spain2	
S40500	This grade's own nameuns	F.3111	une
405	This grade's own nameaisi-sae	F.3111-X6CrAl13	une
51405	aisi-sae	Europe1	
S40500	aisi-sae	X6CrAl13	This grade's own namedin-en
A1012	astm	United Kingdom1	
A240	astm	405S17bs	
A268	astm	China1	
A276	astm	0Cr13Algb	
A473	astm	Italy1	
A479	astm	X6CrAl13uni	
A511	astm	Sweden1	
A580	astm	2302ss	
France3		Czechia1	
Z6CA13	afnor	17125csn	
Z6CrAl13	afnor	Poland1	
Z8CA12	afnor	0H13Jpn	
Japan3		former Yugoslavia1	
SUS 405TB	jis	Č.49702jus	
SUS 405TP	jis		
SUS405	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 Č.49702

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

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GRADE SEARCH

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ISSUED

Aug 20, 2026