

MATERIAL NUMBER 1.3541 · CLASS 1.3

3S62

Material no. 1.3541

also listed as X45Cr13

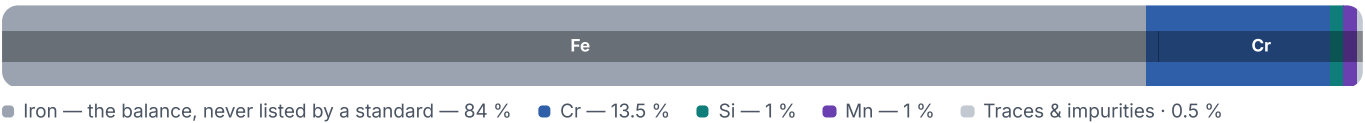
Chemical composition, mechanical and physical property values, and 17 standard designations from 8 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 17 in 8 regions	PROPERTY VALUES 7 on file
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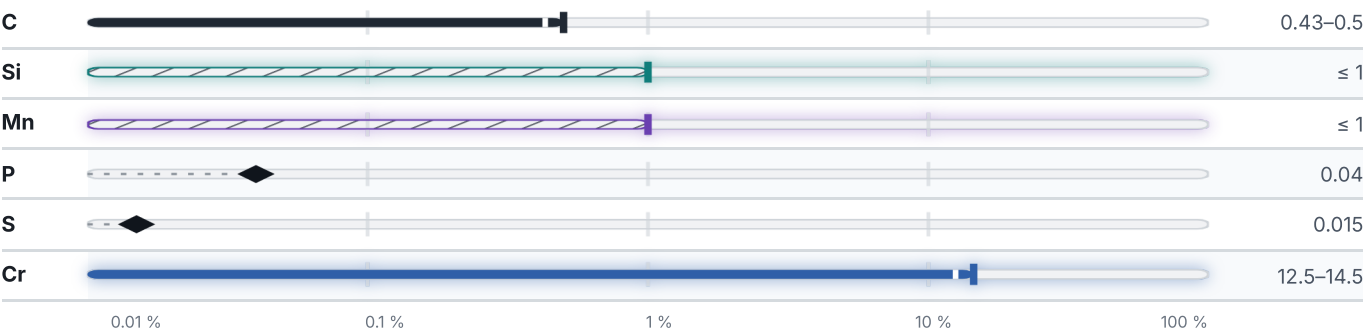
Chemical composition

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

17 designations · 3 documented as identical

United States	7	United Kingdom	1
S42000	uns	3S62	bs
420	aisi-sae	France	1
A276	astm	Z20C13	afnor
A314	astm	Russia / CIS	1
A484	astm	40Ch13	gost
A580	astm	Czechia	1
A756B50 X47Cr14 This grade's own name	astm	17029	csn
United States / Aerospace	3	Slovakia	1
5506	ams	17 029	stn
5620	ams		
5621	ams		
Europe	2		
X45Cr13 This grade's own name	din-en		
X47Cr14 This grade's own name	din-en		

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 3S62

[Start an enquiry](#)

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

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

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ISSUED

Aug 20, 2026