

MATERIAL NUMBER 1.3523 · CLASS 1.3

1.3523

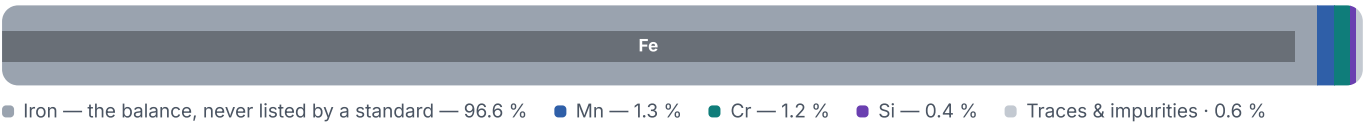
Chemical composition, mechanical and physical property values, and 16 standard designations from 8 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 16 in 8 regions	PROPERTY VALUES 10 on file
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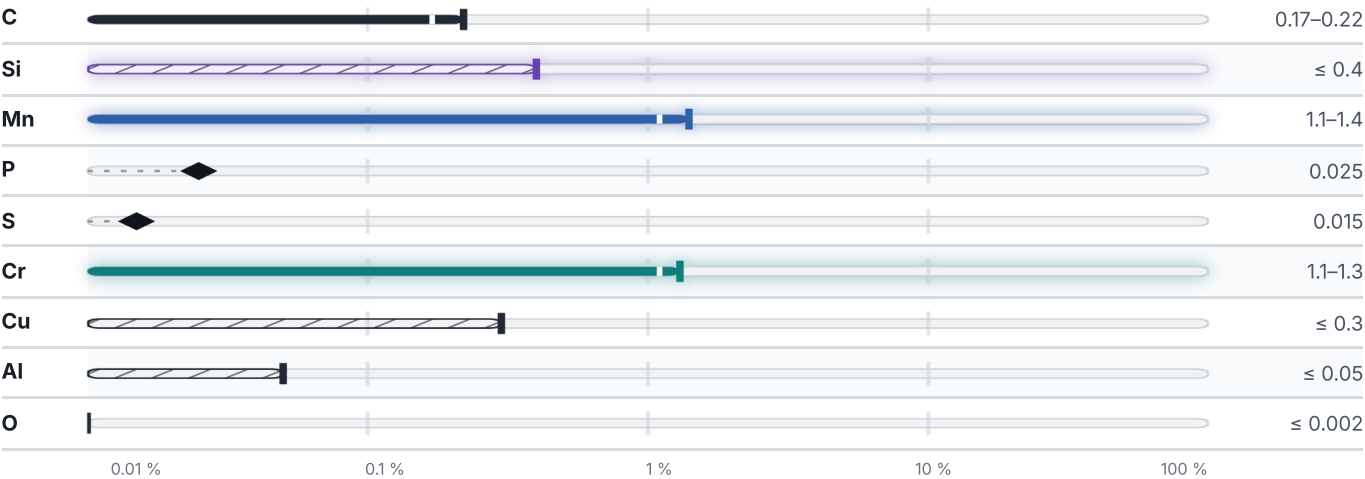
Chemical composition

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/cm³

Designations across standards

16 designations · 6 documented as identical

United States	4	Japan	2
G51200 This grade's own name	uns	SCr420	jis
H51200 This grade's own name	uns	SCr420H	jis
5120 This grade's own name	aisi-sae		
5120H This grade's own name	aisi-sae	Russia / CIS	2
		20X	gost
International	3	cr.20X	gost
20Cr4	iso		
20Cr4H	iso	China	1
20CrS4	iso	20CrH	gb
Europe	2	Czechia	1
19 Mn Cr 5 This grade's own name	din-en	14221	csn
19MnCr5 This grade's own name	din-en		
		Slovakia	1
		14 221	stn

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 1.3523

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	1.3523	Aug 20, 2026