

MATERIAL NUMBER 1.4008 · CLASS 1.4

1.4008

Chemical composition, mechanical and physical property values, and 7 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 7 in 5 regions	PROPERTY VALUES 9 on file
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Chemical composition

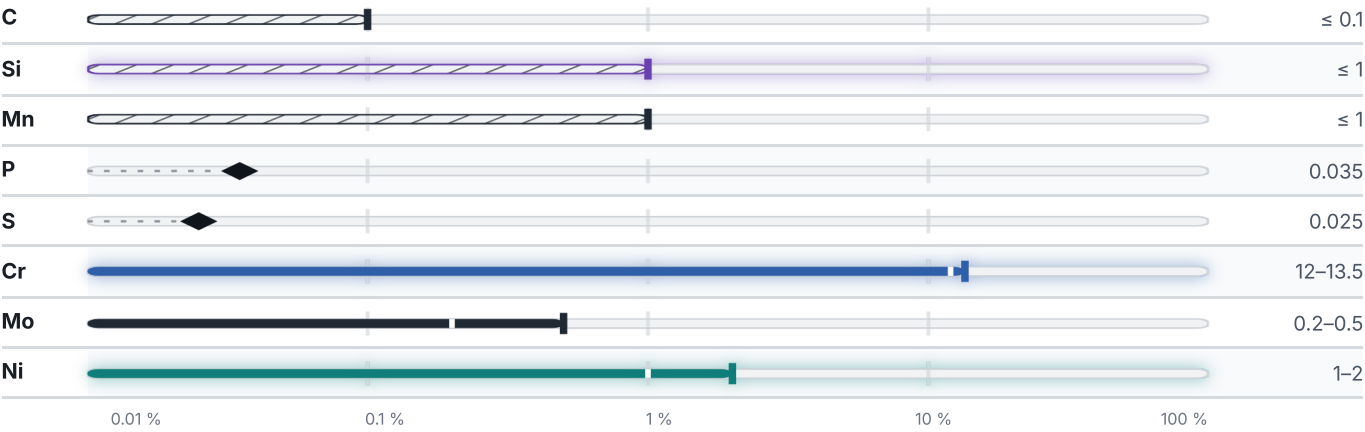
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 83.2 % ● Cr — 12.8 % ● Ni — 1.5 % ● Si — 1 % ● Traces & impurities · 1.5 %

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

7 designations · 3 documented as identical

Europe		2	United Kingdom		1
G-X 8 CrNi 13	This grade's own name	din-en	410C21		bs
GX7CrNiMo12-1	This grade's own name	din-en			
United States		2	Italy		1
J91150	This grade's own name	uns	GX 12 Cr 13		uni
J91150		aisi-sae	Czechia		1
			422 904		csn

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 1.4008

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	1.4008	Aug 20, 2026