

MATERIAL NUMBER 1.7230 · CLASS 1.7

J13045

Material no. 1.7230

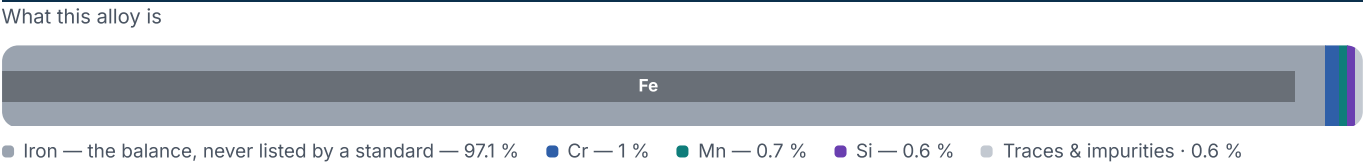
also listed as G34CrMo4

Chemical composition, mechanical and physical property values, and 22 standard designations from 8 regions.

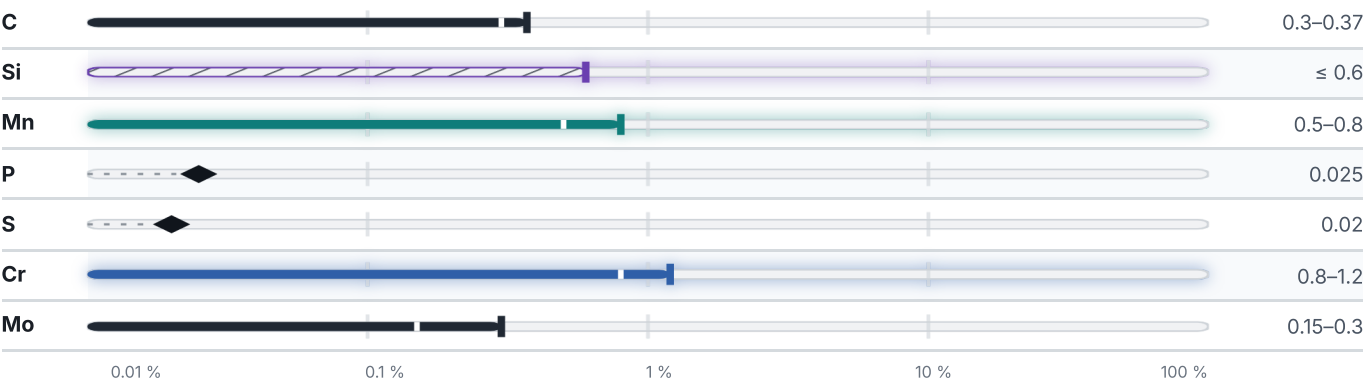
DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 22 in 8 regions	PROPERTY VALUES 8 on file
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Chemical composition

Mass fraction in %



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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
Tempering	Temperature not stated	—

Designations across standards

22 designations · 5 documented as identical

United States / Aerospace		7	Japan		2
6346	ams		SCM420	jis	
6350	ams		SCM430	jis	
6360	ams				
6361	ams		China		2
6370	ams		30CrMo	gb	
6371	ams		ZG42CrMo	gb	
6374	ams				
Europe		4	United Kingdom		1
1.7220	din-en		1717COS110	bs	
G34CrMo4	This grade's own name	din-en	France		1
GS-34 CrMo 4	This grade's own name	din-en	30CD4	afnor	
GS-42CrMo4		din-en			
United States		4	Russia / CIS		1
J13045	This grade's own name	uns	30XM	gost	
J13048	This grade's own name	uns			
J13502	This grade's own name	uns			
4130		aisi-sae			

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 J13045

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	1.7230	Aug 20, 2026