

MATERIAL NUMBER 1.7216 · CLASS 1.7

30CrMo4

Material no. 1.7216

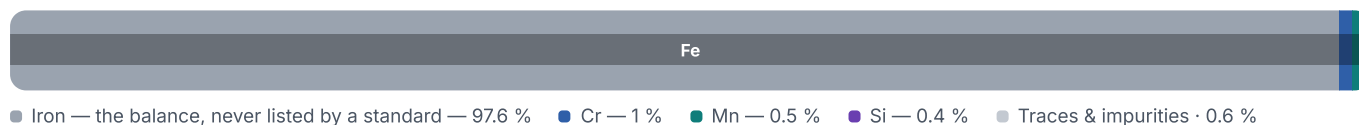
Chemical composition, mechanical and physical property values, and 24 standard designations from 8 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	24 in 8 regions	8 on file

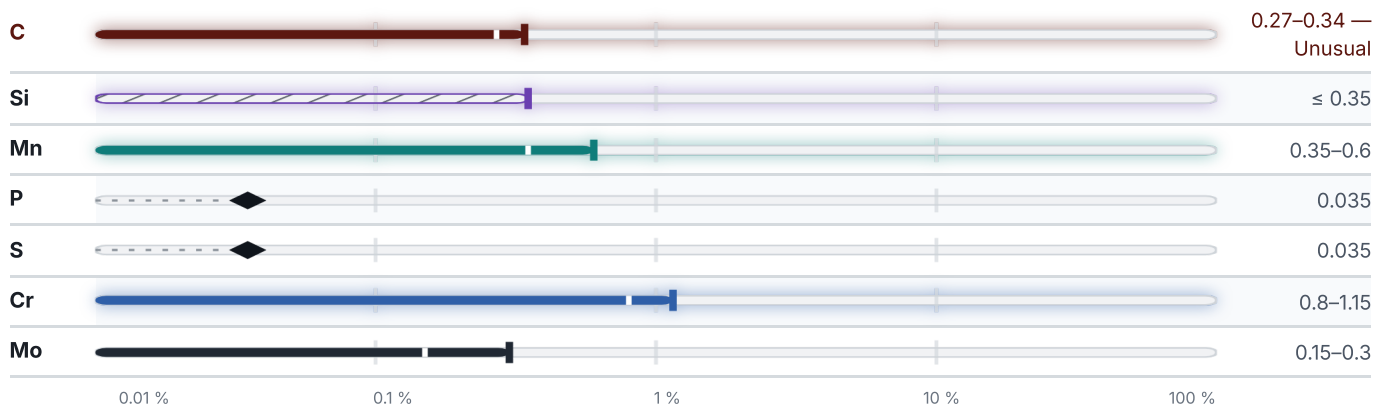
Chemical composition

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.

Mechanical properties

13 values across 2 conditions

QUENCHED AND TEMPERED	REH N/mm ²	RM N/mm ²	A %
≤ 8	750	950	12
8 – 20	630	850	13
20 – 50	520	750	14
50 – 80	480	700	15
SOFT ANNEALED			HB
Soft annealed			223

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

24 designations · 6 documented as identical

United States / Aerospace		10	Japan		2
6345	ams		SCM420	jis	
6346	ams		SCM430	jis	
6348	ams				
6350	ams		Europe		1
6351	ams		30CrMo4	This grade's own name	din-en
6360	ams				
6361	ams		United Kingdom		1
6370	ams		1717COS110	bs	
6371	ams				
6374	ams		France		1
			30CD4	afnor	
United States		7	China		1
G41300	This grade's own name	uns			
H41200	This grade's own name	uns	30CrMo	gb	
K13047	This grade's own name	uns			
4120H	This grade's own name	aisi-sae	Russia / CIS		1
4130	This grade's own name	aisi-sae	30XM	gost	
A322		astm			
A331		astm			

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 30CrMo4

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

[Start an enquiry](#)

DATASHEET ONLINE

[View the material page](#)

GRADE SEARCH

[Search all grades](#)

MATERIAL NO.

1.7216

ISSUED

Aug 20, 2026