

MATERIAL NUMBER 1.7216 · CLASS 1.7

1.7216

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

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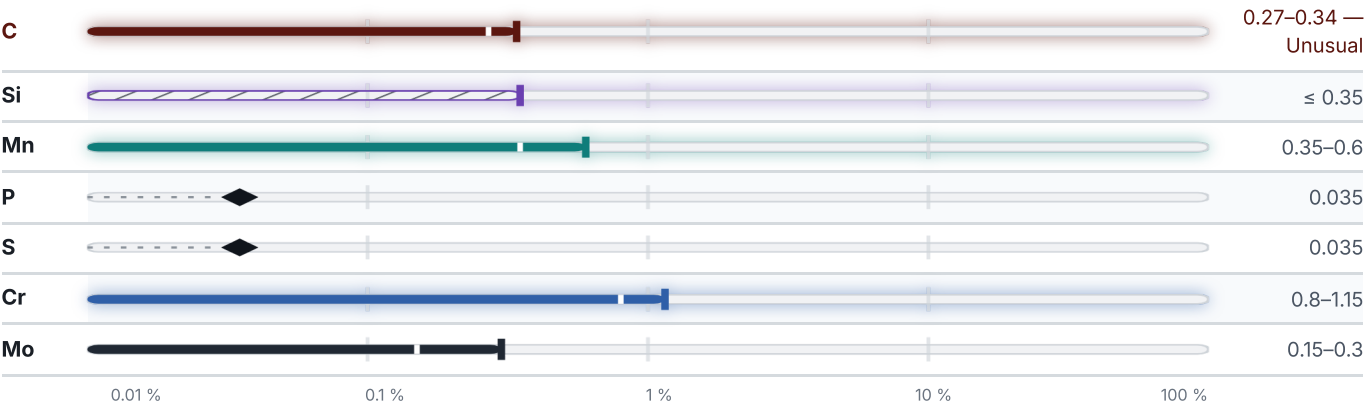
Chemical composition

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.

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 1.7216

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

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026