

MATERIAL NUMBER 1.7226 · CLASS 1.7

34CD4u

Material no. 1.7226

also listed as 34CrMoS4

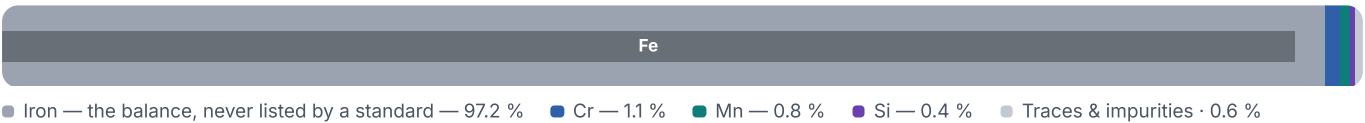
Chemical composition, mechanical and physical property values, and 11 standard designations from 9 regions.

DENSITY 7.74 g/cm³	OTHER DESIGNATIONS 11 in 9 regions	PROPERTY VALUES 8 on file
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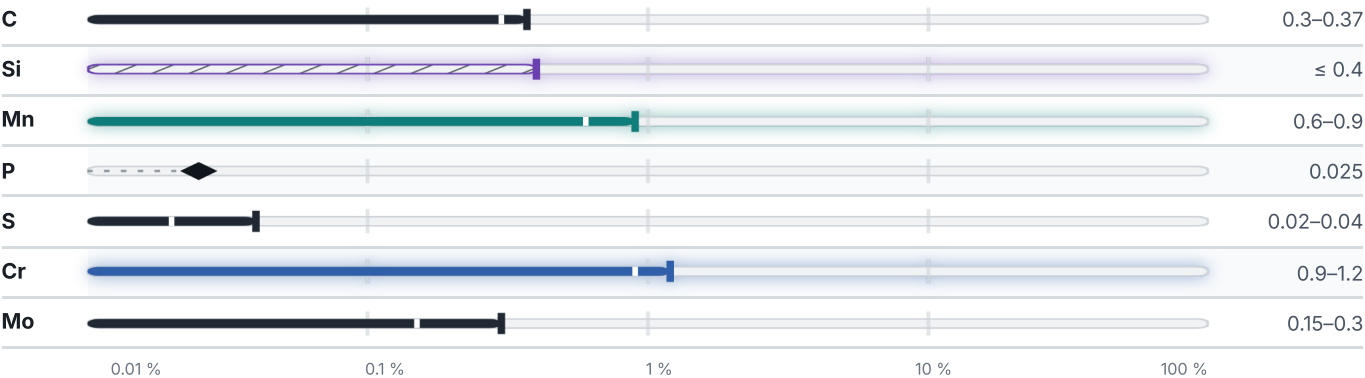
Chemical composition

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

7 values across 3 conditions

QUENCHED AND TEMPERED · ROUND PRODUCTS		A
		% · Lo = 5,65 √So
≤ 16		11
16 – 40		12
40 – 100		14
100 – 160		15
160 – 250		15
TREATED TO IMPROVE SHEARABILITY		HB
Treated to improve shearability		255
SOFT ANNEALED		HB
Soft annealed		223

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.74	g/cm ³

Designations across standards

11 designations · 6 documented as identical

United States		2	International		1
G41350	This grade's own name	uns	34CrMoS4		iso
4135	This grade's own name	aisi-sae			
France		2	Japan		1
34CD4u		afnor	SCM435H	This grade's own name	jis
34CR4u	This grade's own name	afnor	Italy		1
			35CrMo4		uni
Europe		1	Serbia		1
34CrMoS4	This grade's own name	din-en	Č.4783		srps
United Kingdom		1	Hungary		1
708M32	This grade's own name	bs	CMo 3 E		msz

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 34CD4u

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