

MATERIAL NUMBER 1.4109 · CLASS 1.4

Z70C15

Material no. 1.4109

also listed as X65CrMo14

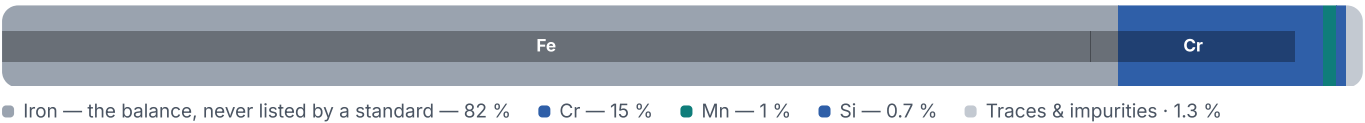
Chemical composition, mechanical and physical property values, and 32 standard designations from 9 regions.

DENSITY 7.7 g/cm³	OTHER DESIGNATIONS 32 in 9 regions	PROPERTY VALUES 8 on file
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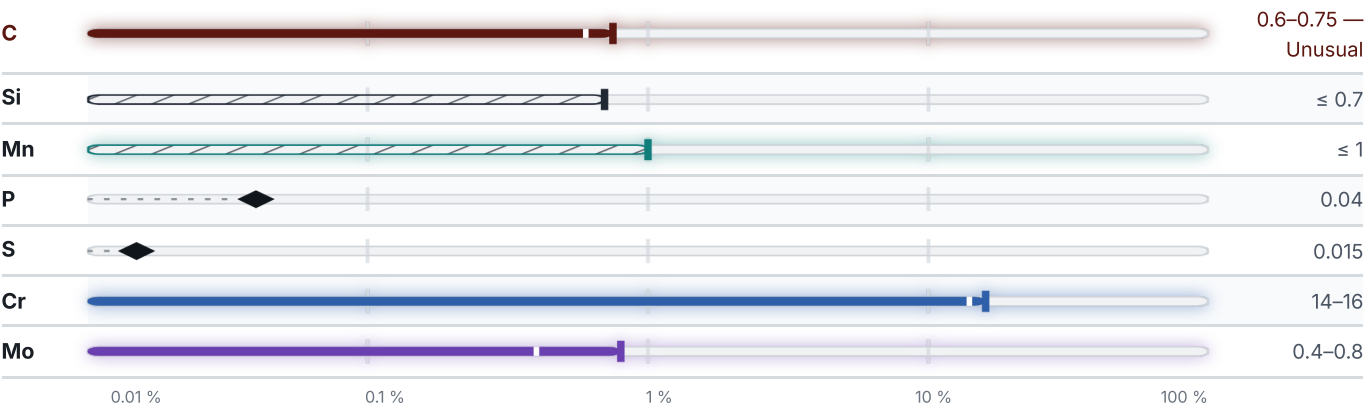
Chemical composition

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

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	280

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm ³

Designations across standards

32 designations · 4 documented as identical

United States		19	Europe		2
S44002	This grade's own name	uns	X65CrMo14	This grade's own name	din-en
S44003		uns	X70CrMo15	This grade's own name	din-en
S44004		uns			
S44020		uns	France		2
440A	This grade's own name	aisi-sae	Z70C15		afnor
440B		aisi-sae	Z70CD15		afnor
440C		aisi-sae			
440F		aisi-sae	Russia / CIS		2
51440A		aisi-sae	95Ch18		gost
S44002		aisi-sae	95Kh18		gost
A276		astm	International		1
A314		astm			
A473		astm	X108CrMo17		iso
A484		astm			
A511		astm	Japan		1
A580		astm	SUS 440A		jis
F116		astm			
F1613		astm	China		1
F899		astm	7Cr17		gb
United States / Aerospace		3	Poland		1
5631		ams	H18		pn
5632		ams			
7445		ams			

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 Z70C15

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

[Start an enquiry](#)

DATASHEET ONLINE

[View the material page](#)

GRADE SEARCH

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ISSUED

Aug 20, 2026