SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.4109 · CLASS 1.4

1.4109

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

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

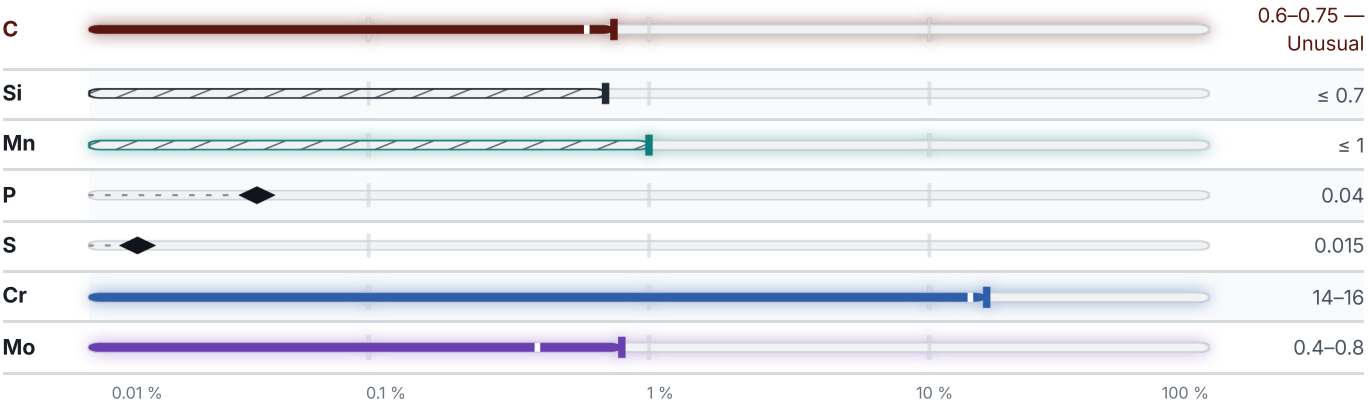
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 82 % · Cr — 15 % · Mn — 1 % · Si — 0.7 % · Traces & impurities · 1.3 %

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/cm³

Designations across standards

32 designations · 4 documented as identical

United States 19

S44002 This grade's own name	uns
S44003	uns
S44004	uns
S44020	uns
440A This grade's own name	aisi-sae
440B	aisi-sae
440C	aisi-sae
440F	aisi-sae
51440A	aisi-sae
S44002	aisi-sae
A276	astm
A314	astm
A473	astm
A484	astm
A511	astm
A580	astm
F116	astm
F1613	astm
F899	astm

United States / Aerospace 3

5631	ams
5632	ams
7445	ams

Europe 2

X65CrMo14 This grade's own name	din-en
X70CrMo15 This grade's own name	din-en

France 2

Z70C15	afnor
Z70CD15	afnor

Russia / CIS 2

95Ch18	gost
95Kh18	gost

International 1

X108CrMo17	iso

Japan 1

SUS 440A	jis

China 1

7Cr17	gb

Poland 1

H18	pn

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 1.4109

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	1.4109	Aug 20, 2026