SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.4408 · CLASS 1.4

G-X 6 CrNiMo 18 10

Material no. 1.4408

Chemical composition, mechanical and physical property values, and 17 standard designations from 7 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	17 in 7 regions	10 on file

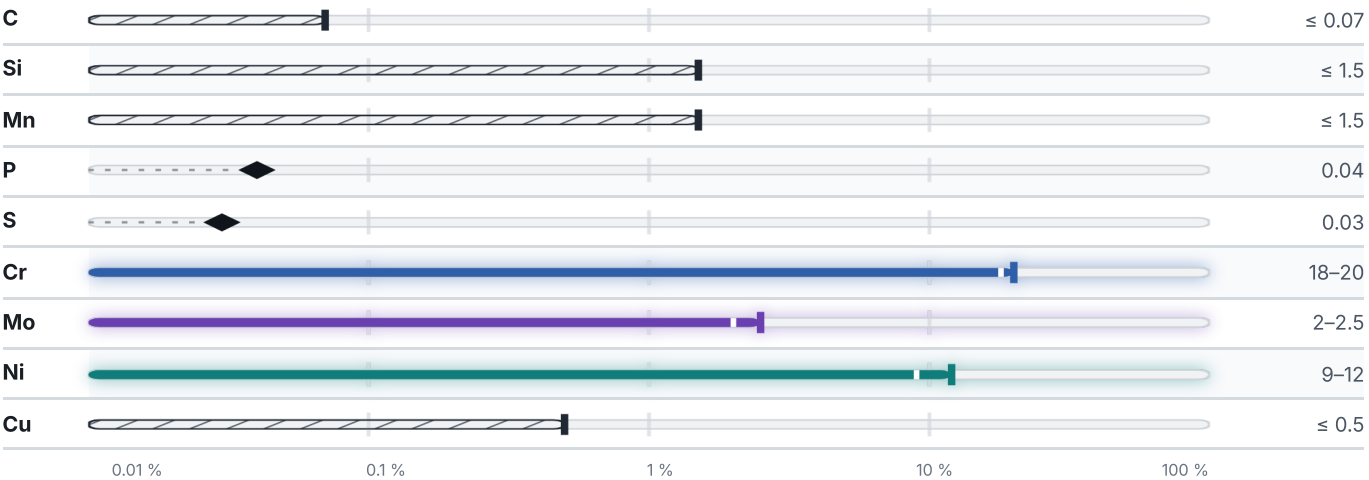
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 64.6 % · Cr — 19 % · Ni — 10.5 % · Mo — 2.3 % · Traces & impurities · 3.6 %

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties

4 values across 1 conditions

CONDITION · DIMENSION	RM N/mm²	RE N/mm²	A %	HB
Casting	440	185	28	–
Solution heat treatment	–	–	–	183

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

17 designations · 3 documented as identical

Europe 3

1.4408	din-en
G-X 6 CrNiMo 18 10 This grade's own name	din-en
GX5CrNiMo19-11-2 This grade's own name	din-en

United States 3

J92900 This grade's own name	uns
CF-8M	aisi-sae
J92900	aisi-sae

United Kingdom 3

316C16	bs
845 grade B	bs
ANC 4 grade B	bs

Japan 3

SCS 14A	jis
SCS 14X	jis
SCS14	jis

Spain 2

F.8414	une
F.8414-AM-X7 CrNiMo20 10	une

Russia / CIS 2

07Ch18N10G2	gost
S2M2L	gost

Sweden 1

2343	ss

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 G-X 6 CrNiMo 18 10

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

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ISSUED
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