

MATERIAL NUMBER 1.4408 · CLASS 1.4

S2M2L

Material no. 1.4408

also listed as G-X 6 CrNiMo 18 10

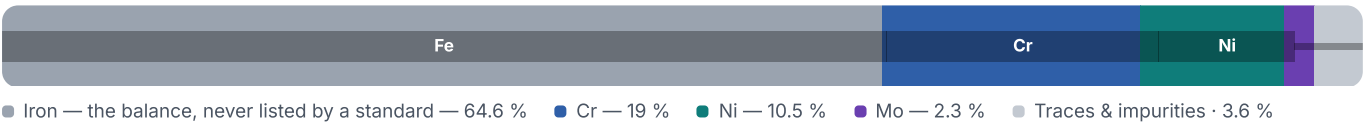
Chemical composition, mechanical and physical property values, and 17 standard designations from 7 regions.

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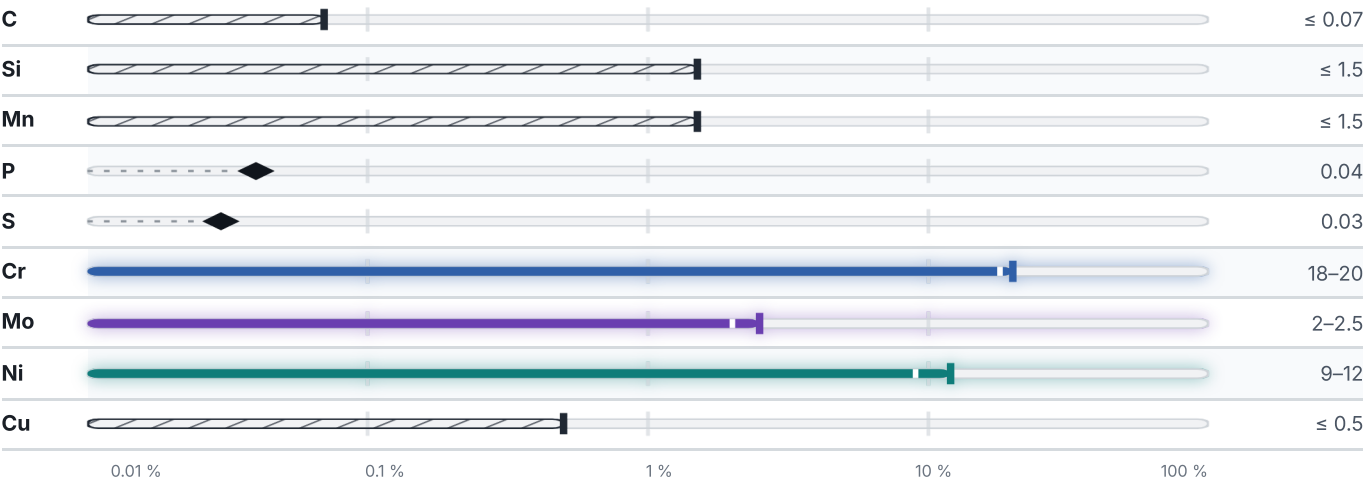
Chemical composition

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

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/mm ²	RE N/mm ²	A %	HB
Casting	440	185	28	–
Solution heat treatment	–	–	–	183

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

17 designations · 3 documented as identical

Europe	3	Japan	3
1.4408	din-en	SCS 14A	jis
G-X 6 CrNiMo 18 10 This grade's own name	din-en	SCS 14X	jis
GX5CrNiMo19-11-2 This grade's own name	din-en	SCS14	jis
United States	3	Spain	2
J92900 This grade's own name	uns	F.8414	une
CF-8M	aisi-sae	F.8414-AM-X7 CrNiMo20 10	une
J92900	aisi-sae		
United Kingdom	3	Russia / CIS	2
316C16	bs	07Ch18N10G2	gost
845 grade B	bs	S2M2L	gost
ANC 4 grade B	bs	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 S2M2L

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

MATERIAL NO.

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ISSUED

Aug 20, 2026