

MATERIAL NUMBER 1.4862 · CLASS 1.4

X8NiCrSi38-18

Material no. 1.4862

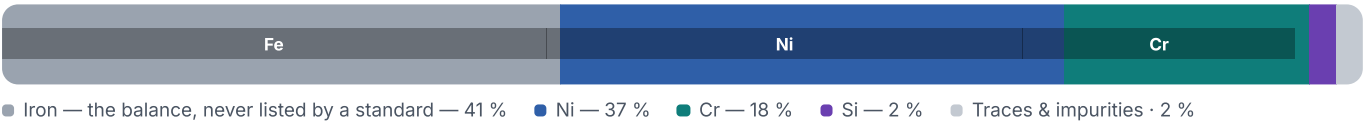
Chemical composition, mechanical and physical property values, and 7 standard designations from 7 regions.

DENSITY 8 g/cm³	OTHER DESIGNATIONS 7 in 7 regions	PROPERTY VALUES 11 on file
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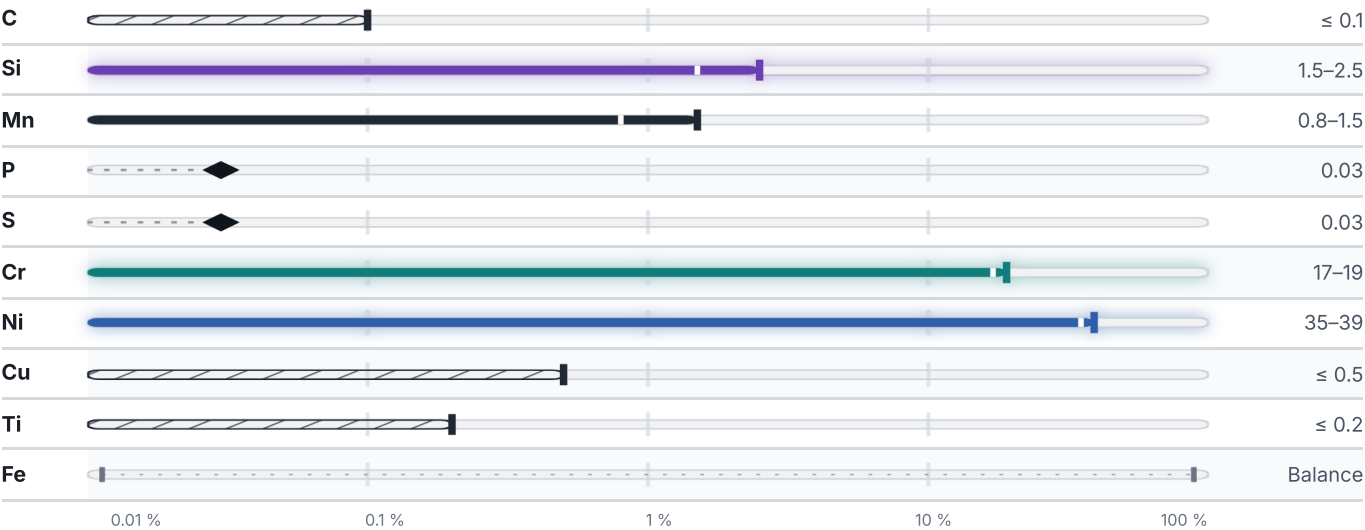
Chemical composition

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: Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8	g/cm³

Designations across standards

7 designations · 1 documented as identical

Europe	1	Russia / CIS	1
X8NiCrSi38-18	This grade's own name din-en	XH35BT	gost
United States	1	Poland	1
N08330	astm	H16N36S2	pn
United Kingdom	1	Romania	1
NA17	bs	12SiCrNi360	stas
France	1		
Z20NCS33-16	afnor		

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 X8NiCrSi38-18

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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MATERIAL NO.

1.4862

ISSUED

Aug 20, 2026