

MATERIAL NUMBER 1.4865 · CLASS 1.4

HT 50

Material no. 1.4865

also listed as GX40NiCrSi38-18

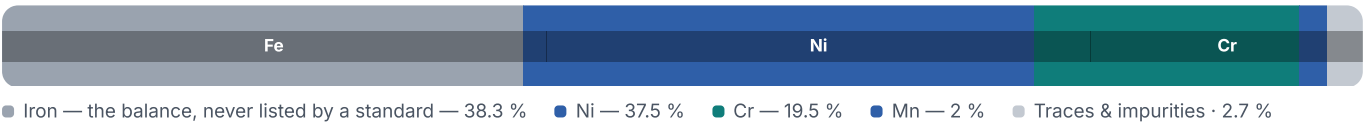
Chemical composition, mechanical and physical property values, and 20 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 20 in 5 regions	PROPERTY VALUES 9 on file
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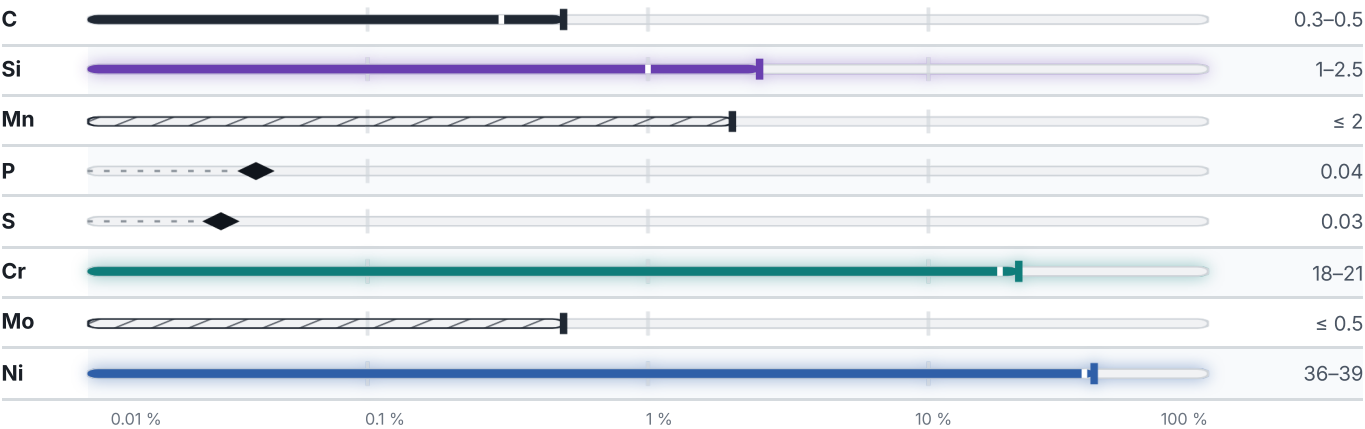
Chemical composition

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.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

20 designations · 6 documented as identical

United States		10	United Kingdom		3
N08002	This grade's own name	uns	330 C 11		bs
N08004	This grade's own name	uns	330C40		bs
N08005	This grade's own name	uns	331 C 40		bs
N08030	This grade's own name	uns			
HT		aisi-sae	Japan		3
HT 50		aisi-sae	SCH 16		jis
N08002		aisi-sae	SCH 20X		jis
N08004		aisi-sae	SCH15		jis
N08005		aisi-sae			
N08030		aisi-sae	Italy		1
			XG50NiCr3919		uni
Europe		3			
1.4865		din-en			
GX40NiCrSi38-18	This grade's own name	din-en			
GX40NiCrSi38-19	This grade's own name	din-en			

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 HT 50

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	1.4865	Aug 20, 2026