

MATERIAL NUMBER 1.4865 · CLASS 1.4

331 C 40

Material no. 1.4865

also listed as GX40NiCrSi38-18

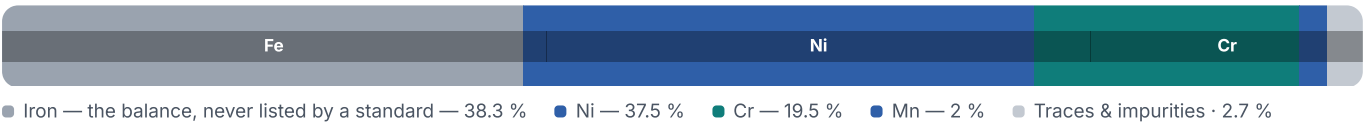
Chemical composition, mechanical and physical property values, and 20 standard designations from 5 regions.

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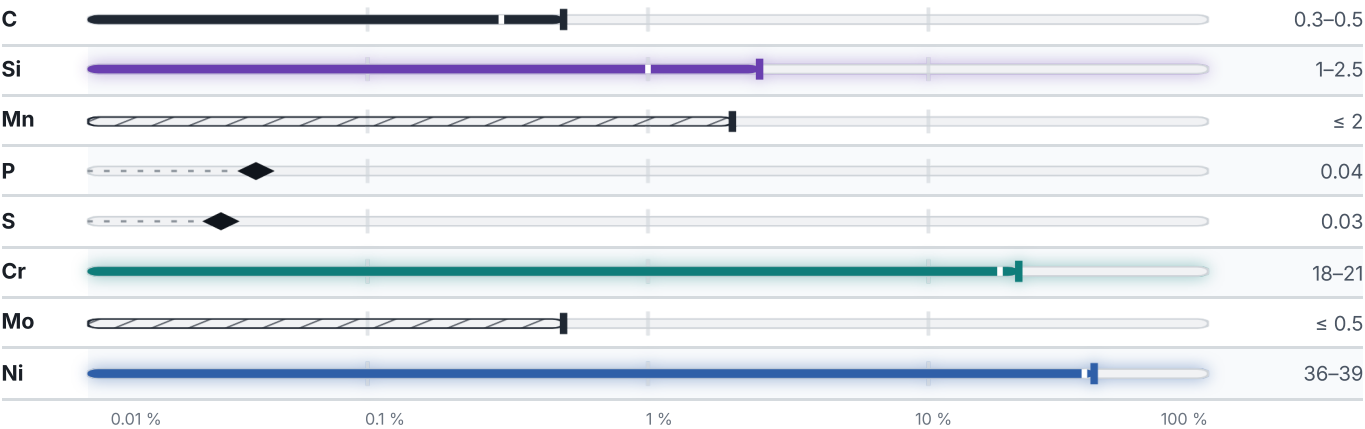
Chemical composition

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 States10		United Kingdom3	
N08002	This grade's own nameuns	330 C 11	bs
N08004	This grade's own nameuns	330C40	bs
N08005	This grade's own nameuns	331 C 40	bs
N08030	This grade's own nameuns		
HT	aisi-sae	Japan3	
HT 50	aisi-sae	SCH 16	jis
N08002	aisi-sae	SCH 20X	jis
N08004	aisi-sae	SCH15	jis
N08005	aisi-sae		
N08030	aisi-sae	Italy1	
		XG50NiCr3919	uni
Europe3			
1.4865	din-en		
GX40NiCrSi38-18	This grade's own namedin-en		
GX40NiCrSi38-19	This grade's own namedin-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 331 C 40

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