

MATERIAL NUMBER 1.1131 · CLASS 1.1

20M5M

Material no. 1.1131

also listed as G17Mn5

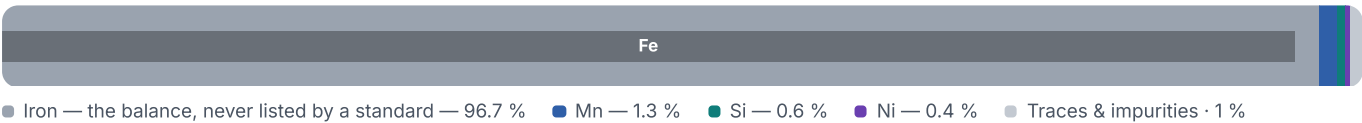
Chemical composition, mechanical and physical property values, and 8 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 8 in 5 regions	PROPERTY VALUES 11 on file
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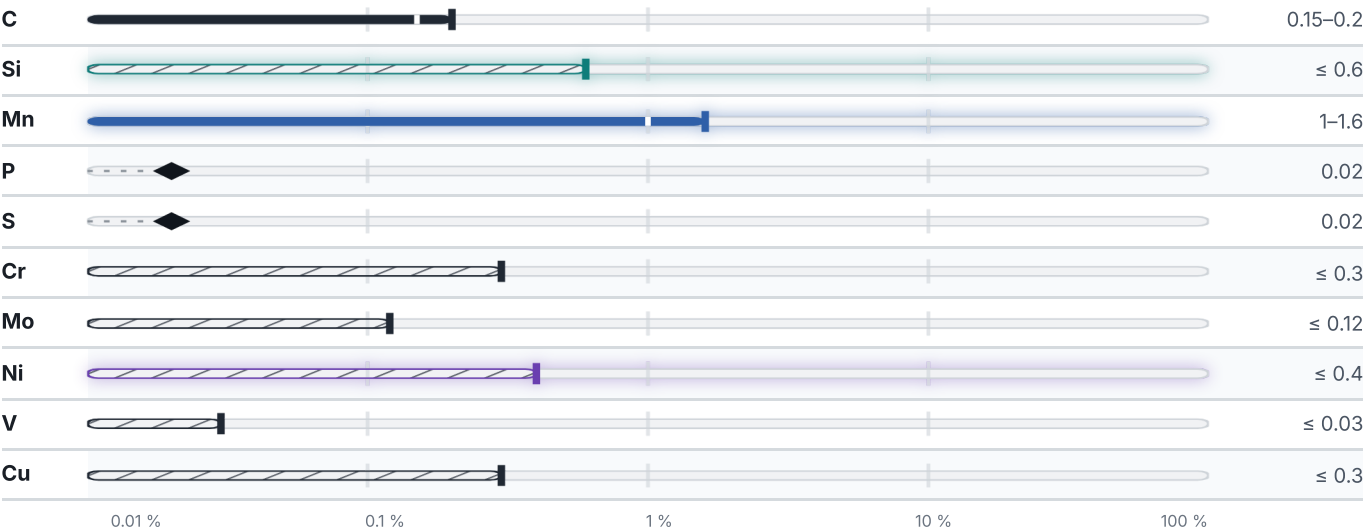
Chemical composition

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

computed from composition · °C

PREDICTED AE3 815 °C	PREDICTED AE1 715 °C	PREDICTED ACM 439 °C	PREDICTED BS 548 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

8 designations · 4 documented as identical

United States	3	United Kingdom	1
J02505 This grade's own name	uns	G17Mn5	bs
J03002 This grade's own name	uns		
WCC	aisi-sae	France	1
		20M5M	afnor
Europe	2		
G17Mn5 This grade's own name	din-en	Czechia	1
GS-16 Mn 5 This grade's own name	din-en	422713	csn

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 20M5M

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	1.1131	Aug 20, 2026