

MATERIAL NUMBER 1.6310 · CLASS 1.6

20MnMoNi5-5

Material no. 1.6310

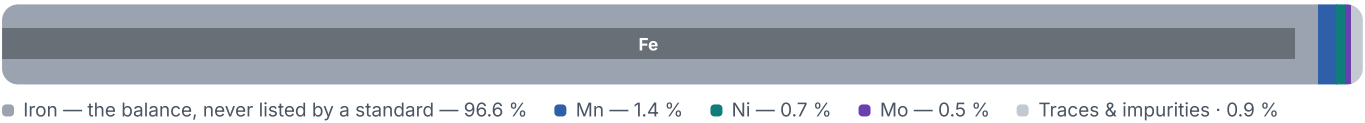
Chemical composition, mechanical and physical property values, and 6 standard designations from 2 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 6 in 2 regions	PROPERTY VALUES 17 on file
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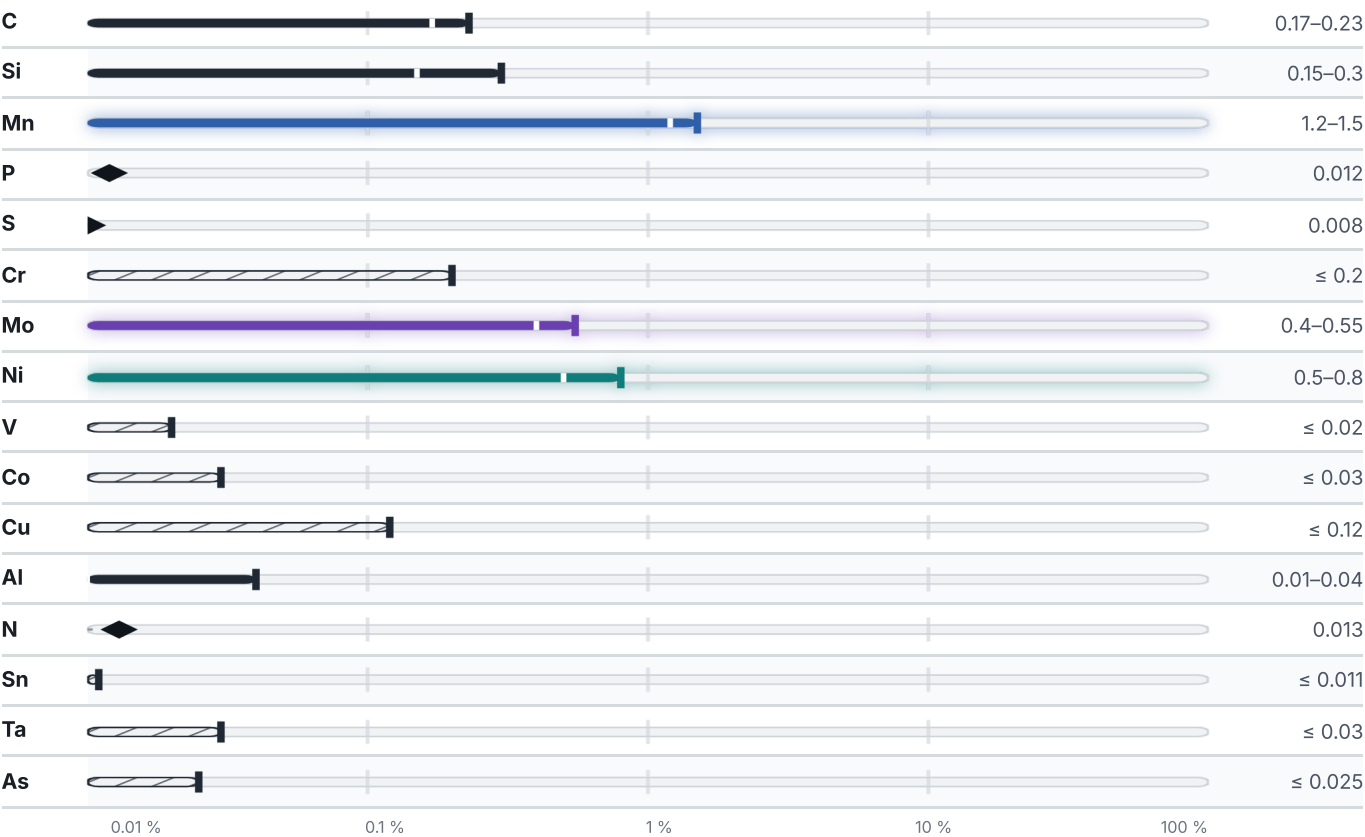
Chemical composition

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 791 °C	PREDICTED AE1 702 °C	PREDICTED ACM 454 °C	PREDICTED BS 530 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

6 designations · 2 documented as identical

United States5		Europe1	
K12042	uns	20MnMoNi5-5	This grade's own name din-en
K12054	This grade's own name uns		
K12529	uns		
K12539	uns		
K12554	uns		

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 20MnMoNi5-5

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	1.6310	Aug 20, 2026