

MATERIAL NUMBER 1.6522 · CLASS 1.6

20MnNiCrMo3-2

Material no. 1.6522

Chemical composition, mechanical and physical property values, and 14 standard designations from 6 regions.

DENSITY 7.77 g/cm³	OTHER DESIGNATIONS 14 in 6 regions	PROPERTY VALUES 12 on file
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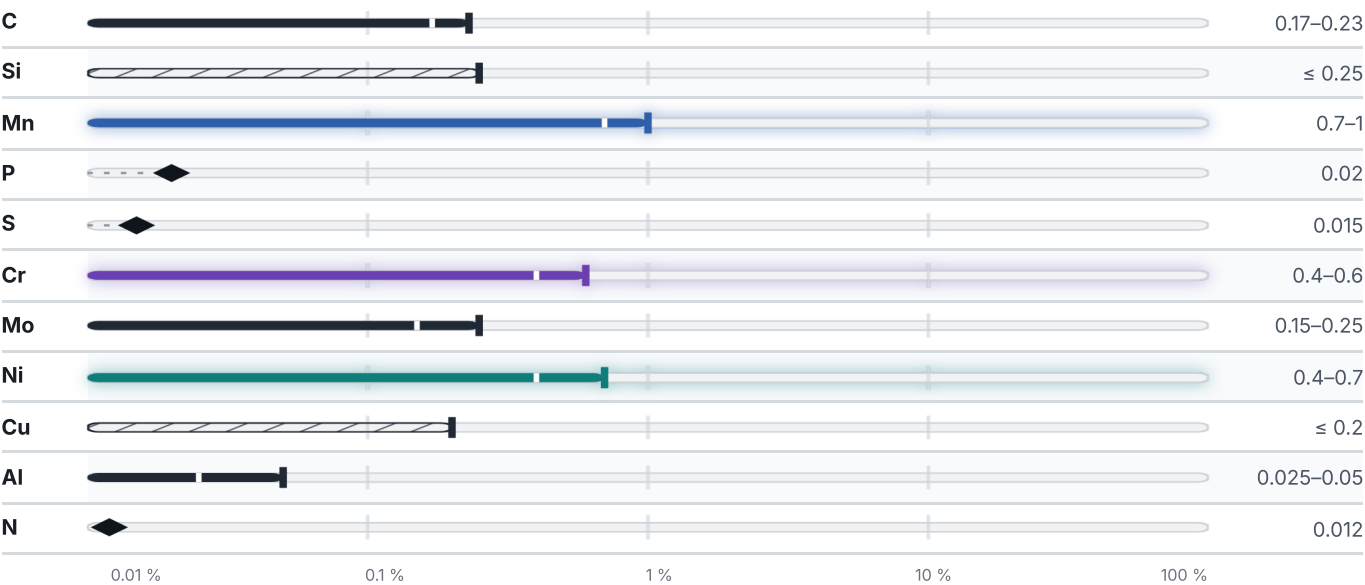
Chemical composition

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 797 °C	PREDICTED AE1 718 °C	PREDICTED ACM 465 °C	PREDICTED BS 548 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.77	g/cm³

Designations across standards

14 designations · 4 documented as identical

United States	5	Europe	2
G86200 This grade's own name	uns	20MnNiCrMo3-2 This grade's own name	din-en
H86200	uns	20NiCrMo2 This grade's own name	din-en
8620 This grade's own name	aisi-sae	International	2
8620H	aisi-sae	20NiCrMo2	iso
J1268	aisi-sae	20NiCrMo2F	iso
Russia / CIS	3	France	1
20ChGNM	gost	20NCD2	afnor
20HGNM	gost	Poland	1
20KhGNM	gost	20HNM	pn

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 20MnNiCrMo3-2

Quotation, availability, mill certificate or a technical question — directly on the material page.

Start an enquiry

DATASHEET ONLINE

View the material page

GRADE SEARCH

Search all grades

MATERIAL NO.

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ISSUED

Aug 20, 2026