

MATERIAL NUMBER 1.2162 · CLASS 1.2

19487

Material no. 1.2162

also listed as 21MnCr5

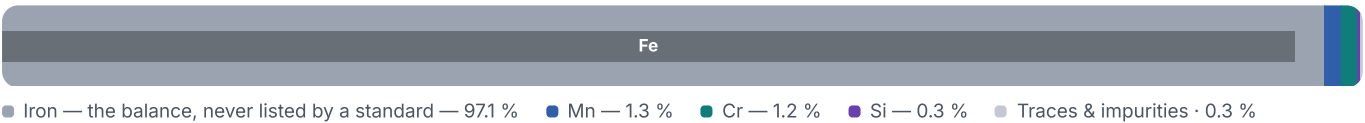
Chemical composition, mechanical and physical property values, and 17 standard designations from 8 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 17 in 8 regions	PROPERTY VALUES 7 on file
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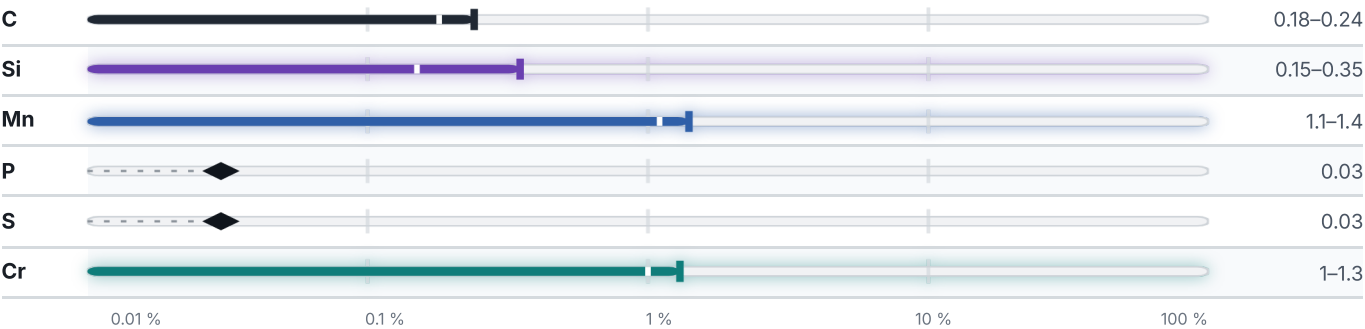
Chemical composition

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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Mo.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	217

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

17 designations · 1 documented as identical

International	5	Czechia	2
16MnCr5	iso	14221	csn
16MnCrS5	iso	19487	csn
20MnCr5	iso		
20MnCrS5	iso	Slovakia	2
21MnCr5	iso	14 221	stn
		19 487	stn
United States	2		
G51150	uns	Poland	2
G51200	uns	16HG	pn
		20HG	pn
France	2		
16MC5	afnor	Europe	1
20MC5	afnor	21MnCr5 This grade's own name	din-en
		Russia / CIS	1
		18ChG	gost

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 19487

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	1.2162	Aug 20, 2026