

MATERIAL NUMBER 1.5920 · CLASS 1.5

18H2N2

Material no. 1.5920

also listed as 18CrNi8

Chemical composition, mechanical and physical property values, and 9 standard designations from 7 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.78 g/cm ³	9 in 7 regions	9 on file

Chemical composition

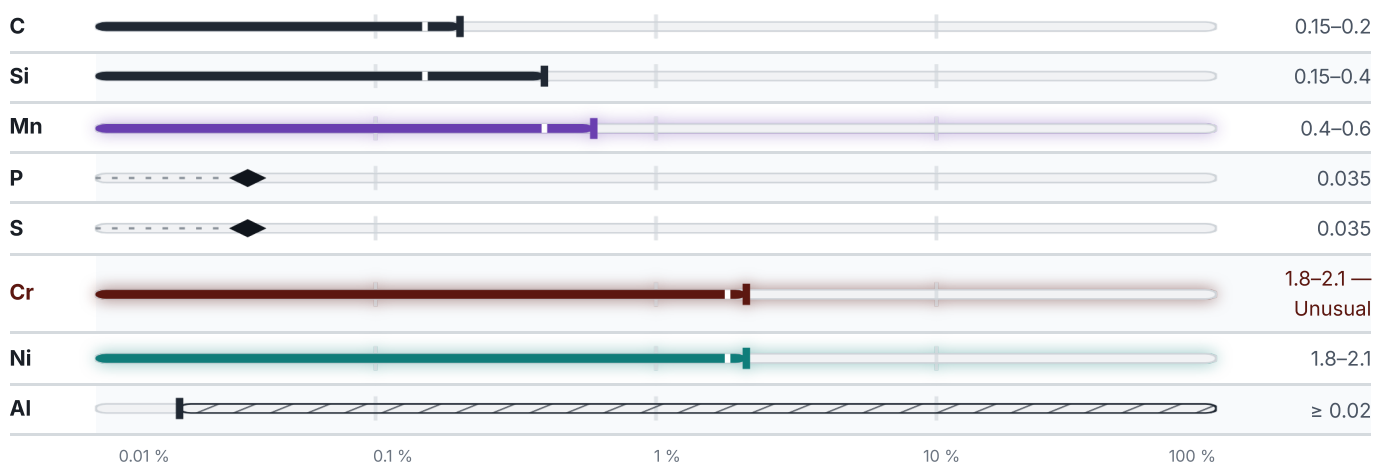
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 95.1 % ● Cr — 2 % ● Ni — 2 % ● Mn — 0.5 % ● Traces & impurities · 0.5 %

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: Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.78	g/cm³

Designations across standards

9 designations · 1 documented as identical

France	2	Czechia	1
18CN8	afnor	16231	csn
18NC11	afnor		
		Poland	1
Spain	2	18H2N2	pn
A-150.E	une		
F-150.E	une	Serbia	1
		Č.5421	srps
Europe	1		
18CrNi8	This grade's own name	Romania	1
	din-en	18CrNi20	stas

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 18H2N2

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	1.5920	Aug 20, 2026