

MATERIAL NUMBER 1.8913 · CLASS 1.8

S420NL1

Material no. 1.8913

also listed as EStE 420

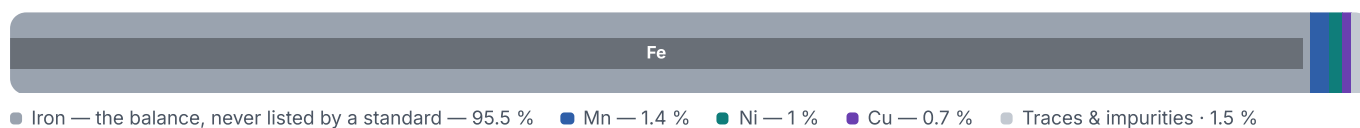
Chemical composition, mechanical and physical property values, and 3 standard designations from 2 regions.

DENSITY**7.85** g/cm³**OTHER DESIGNATIONS****3** in 2 regions**PROPERTY VALUES****15** on file

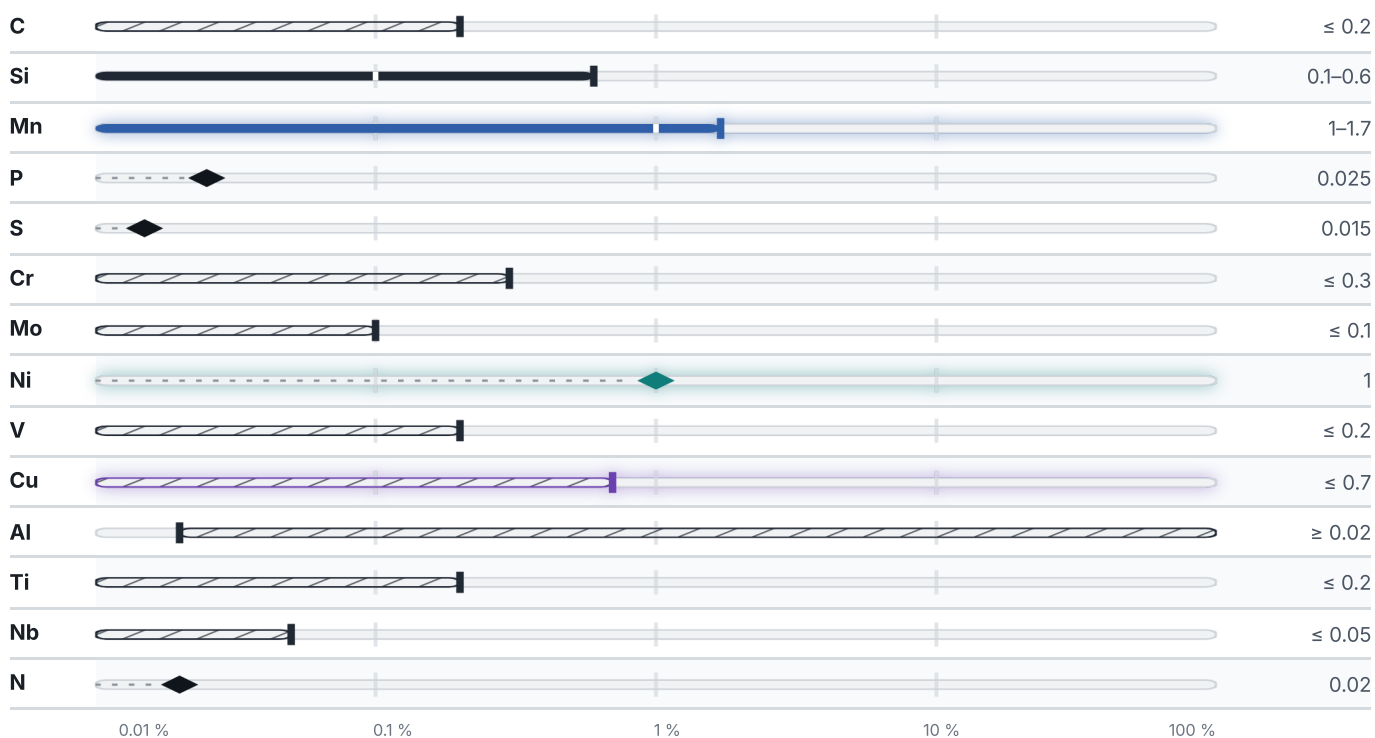
Chemical composition

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 803 °C	PREDICTED AE1 705 °C	PREDICTED ACM 436 °C	PREDICTED BS 537 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

3 designations · 2 documented as identical

Europe	2	United States	1
ESTE 420 This grade's own name	din-en	K02302	uns
S420NL1 This grade's own name	din-en		

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 S420NL1

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

[Start an enquiry](#)

DATASHEET ONLINE
View the material page

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MATERIAL NO.
1.8913

ISSUED
Aug 20, 2026