

MATERIAL NUMBER 1.7703 · CLASS 1.7

13CrMoV9-10

Material no. 1.7703

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

DENSITY

7.85 g/cm³

OTHER DESIGNATIONS

2 in 2 regions

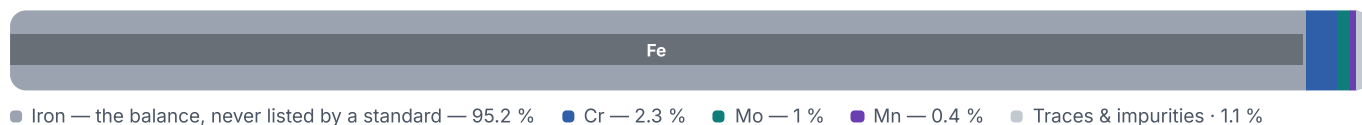
PROPERTY VALUES

16 on file

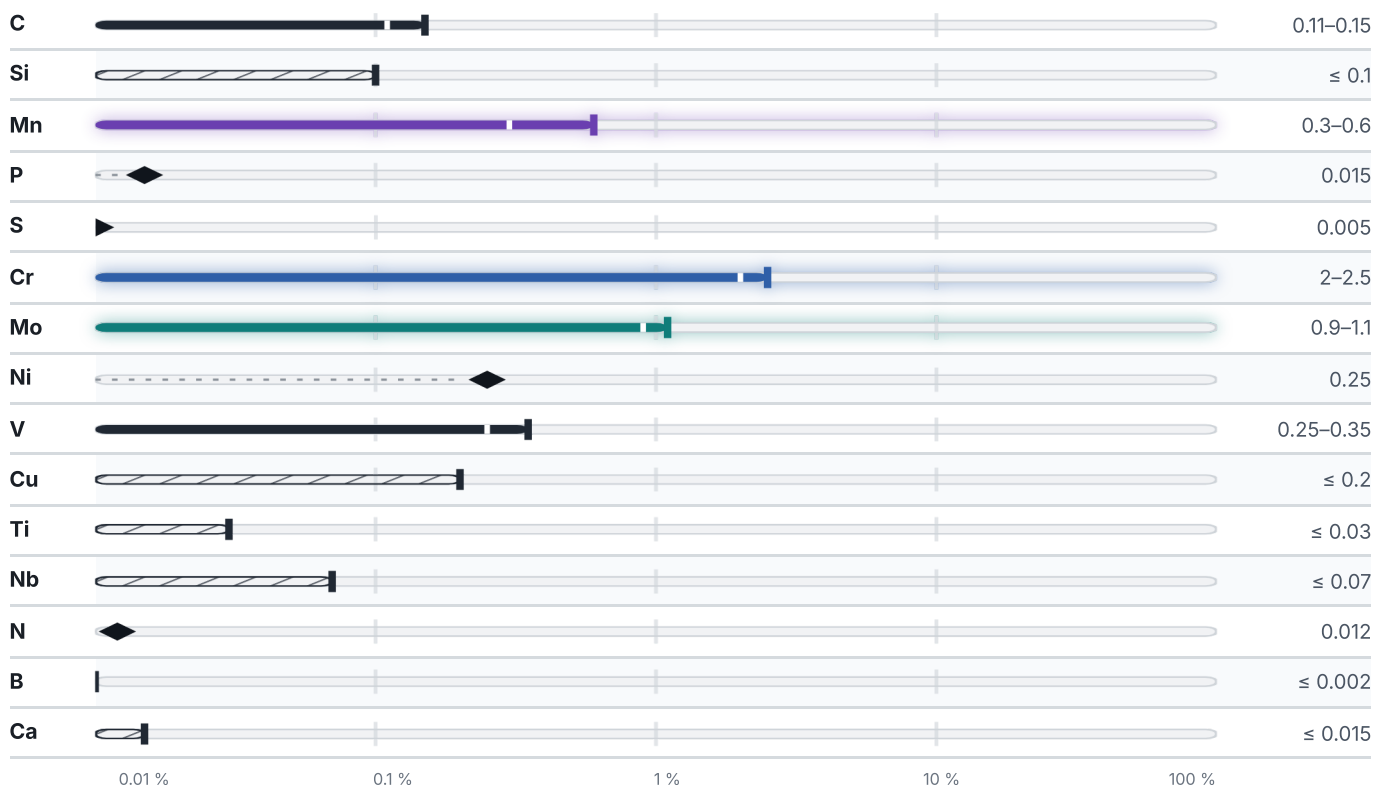
Chemical composition

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 815 °C	PREDICTED AE1 771 °C	PREDICTED ACM 444 °C	PREDICTED BS 473 °C
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Mechanical properties

6 values across 1 conditions

CONDITION · DIMENSION	REH N/mm²	RM N/mm²
≤ 60	455	600–780
60 – 150	435	590–770
150 – 250	415	580–760

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

2 designations · 1 documented as identical

Europe	1	United States	1
13CrMoV9-10 This grade's own name	din-en	K31835	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 13CrMoV9-10

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. 1.7703	ISSUED Aug 20, 2026
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