

MATERIAL NUMBER 1.1163 · CLASS 1.1

C25R

Material no. 1.1163

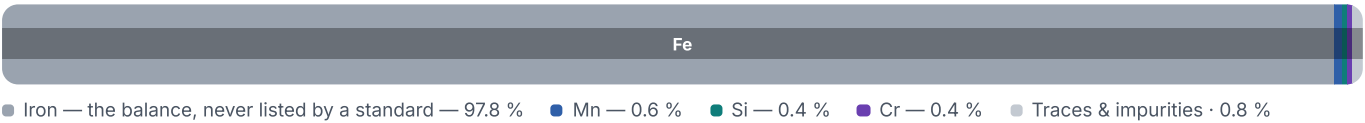
Chemical composition, mechanical and physical property values, and 8 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 8 in 6 regions	PROPERTY VALUES 9 on file
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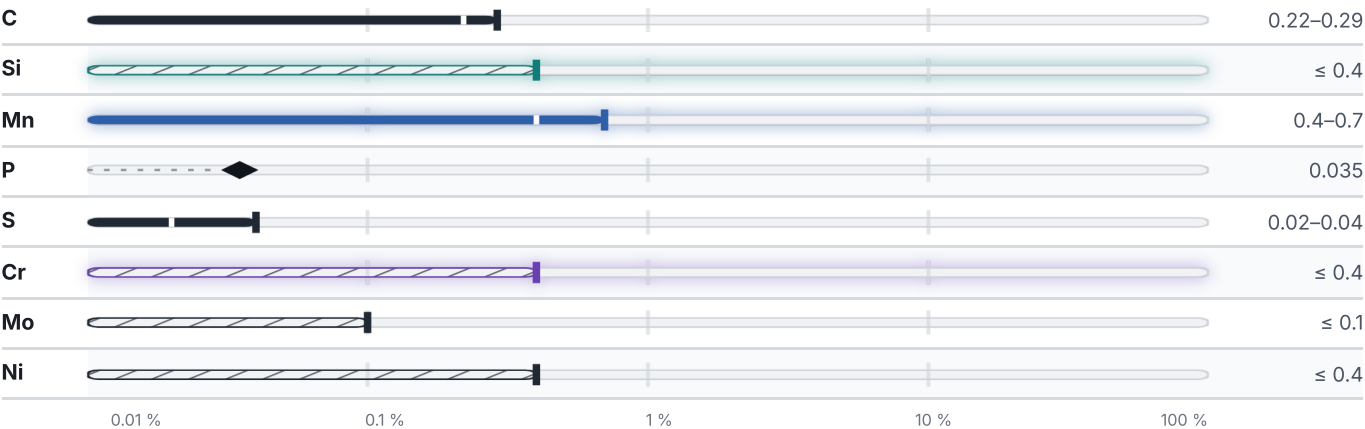
Chemical composition

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 803 °C	PREDICTED AE1 725 °C	PREDICTED ACM 503 °C	PREDICTED BS 572 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

8 designations · 4 documented as identical

Europe	2	International	1
C25R This grade's own name	din-en	C25 C25E4 C25M2	iso
Cm 25 This grade's own name	din-en	Japan	1
United States	2	S25C	jis
G10250 This grade's own name	uns	China	1
1025 This grade's own name	aisi-sae	25	gb
United Kingdom	1		
C25 C25E C25R	bs		

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 C25R

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	1.1163	Aug 20, 2026