

ML45Cr

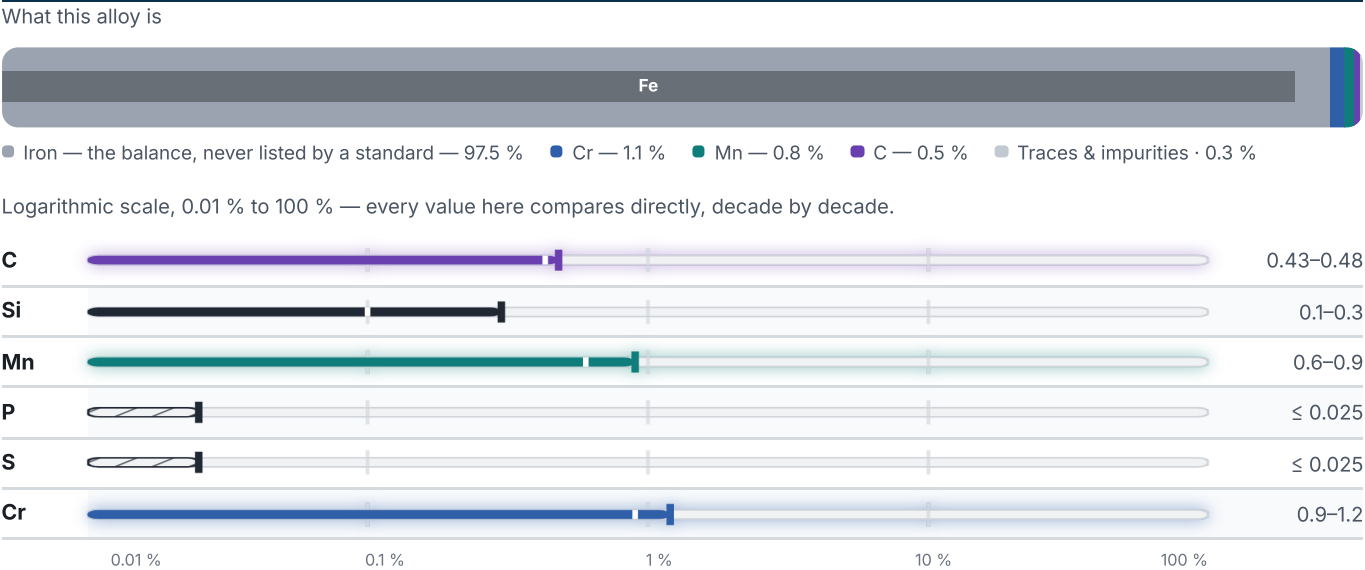
also listed as 5145

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

OTHER DESIGNATIONS	PROPERTY VALUES
3 in 3 regions	6 on file

Chemical composition

Mass fraction in %



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.

Designations across standards

3 designations · 1 documented as identical

United States	1	Japan	1
5145	astm	SCr445	jis

China	1
ML45Cr	This grade's own name gb

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 ML45Cr

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	—	Aug 13, 2026