

MATERIAL NUMBER 1.2744 · CLASS 1.2

19 850

Material no. 1.2744

also listed as 57NiCrMoV7-7

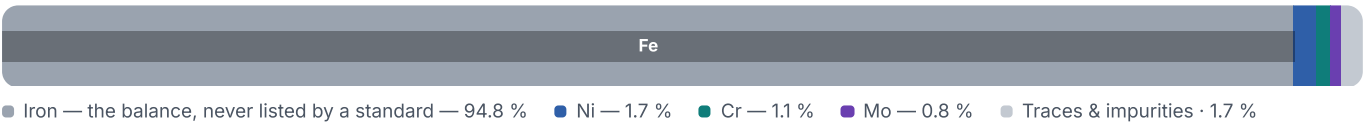
Chemical composition, mechanical and physical property values, and 4 standard designations from 3 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 4 in 3 regions	PROPERTY VALUES 10 on file
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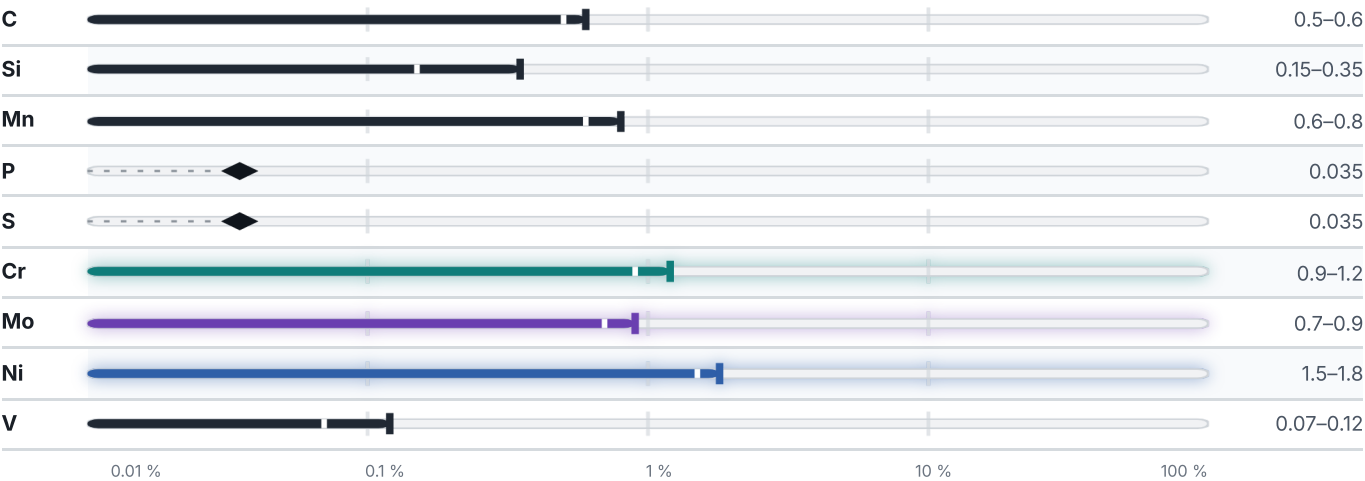
Chemical composition

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 717 °C	PREDICTED AE1 721 °C	PREDICTED ACM 715 °C	PREDICTED BS 470 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

4 designations · 1 documented as identical

Czechia	2	Europe	1
19 665	csn	57NiCrMoV7-7	This grade's own name din-en
19 850	csn	United States	1
		M 36	aisi-sae

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 19 850

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	1.2744	Aug 20, 2026