

MATERIAL NUMBER 1.7337 · CLASS 1.7

1653

Material no. 1.7337

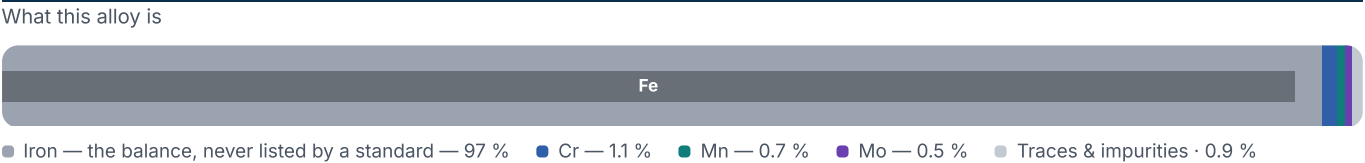
also listed as 16CrMo4-4

Chemical composition, mechanical and physical property values, and 15 standard designations from 8 regions.

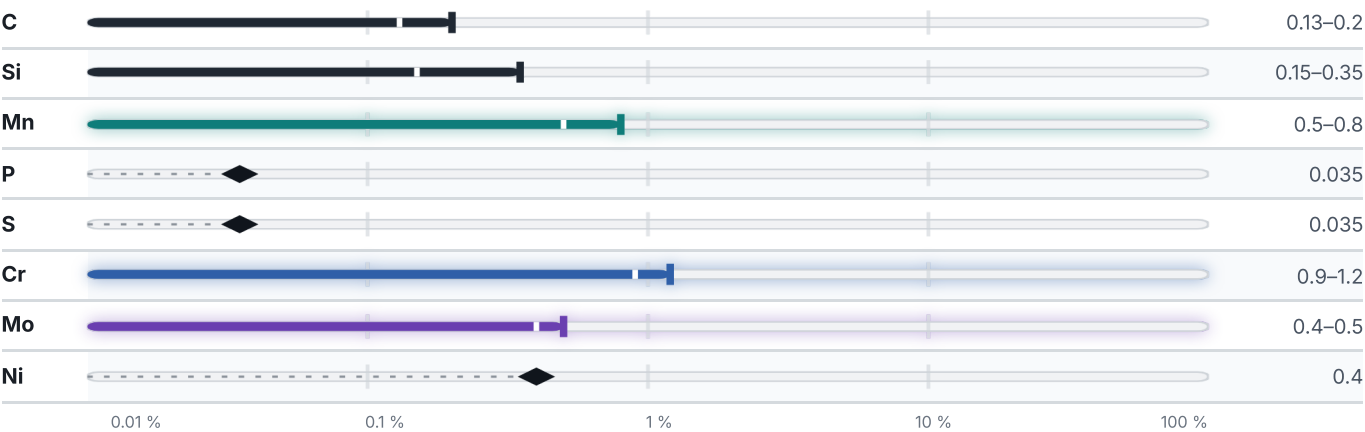
DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 15 in 8 regions	PROPERTY VALUES 9 on file
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Chemical composition

Mass fraction in %



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 814 °C	PREDICTED AE1 742 °C	PREDICTED ACM 465 °C	PREDICTED BS 530 °C
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Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

15 designations · 3 documented as identical

United States6		Europe1	
K11564	This grade's own nameuns	16CrMo4-4	This grade's own namedin-en
A387(12)	aisi-sae	Japan1	
A 182 F 12 Class2	This grade's own nameastm	STC42jis	
A-387Cr . B	astm	China1	
A182 F12	astm	15CrMo	
A387(12)	astm	gb	
United Kingdom2		Russia / CIS1	
1653	bs	15XM	
620Gr.27	bs	gost	
France2		Sweden1	
12CD4	afnor	2216	
15CD4.5	afnor	ss	

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 1653

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	1.7337	Aug 20, 2026