

MATERIAL NUMBER 1.7361 · CLASS 1.7

32CrMo12

Material no. 1.7361

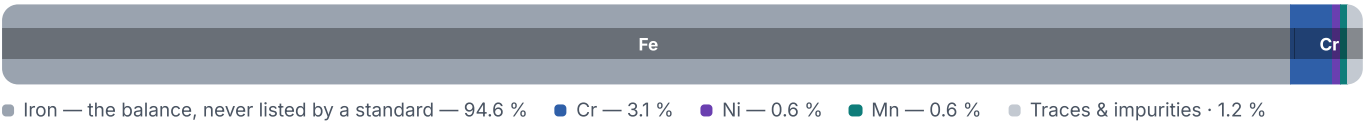
Chemical composition, mechanical and physical property values, and 12 standard designations from 8 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 12 in 8 regions	PROPERTY VALUES 9 on file
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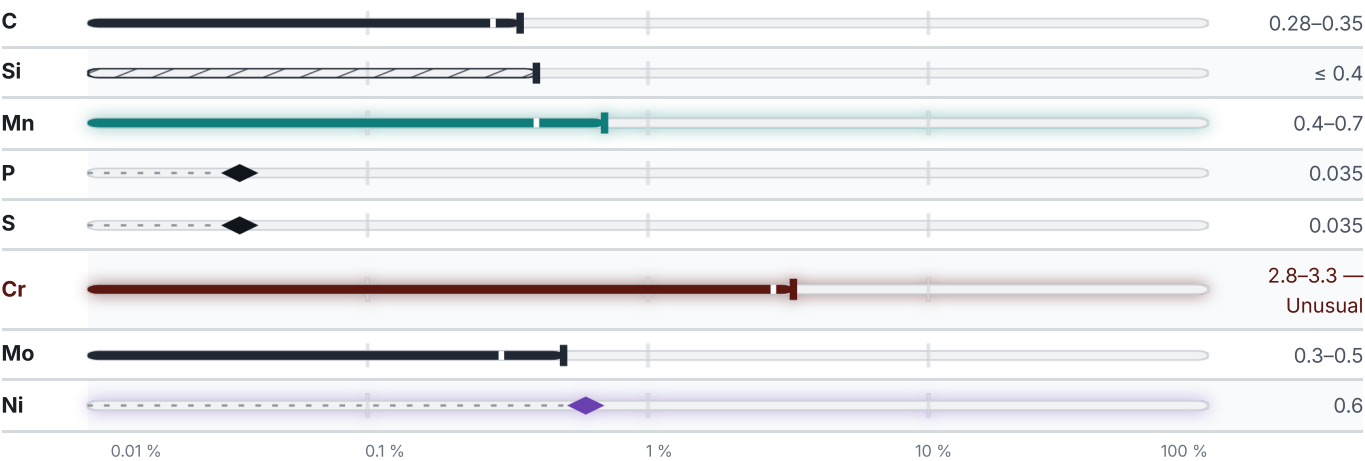
Chemical composition

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 784 °C	PREDICTED AE1 790 °C	PREDICTED ACM 622 °C	PREDICTED BS 451 °C
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Mechanical properties

6 values across 1 conditions

QUENCHED AND TEMPERED	RM N/mm ²	A %
≤ 160	900	12
160 – 330	850	13
330 – 660	700	15

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

12 designations · 1 documented as identical

United Kingdom	4	Spain	1
40B	bs	F.124.A	une
722M24	bs		
EN40B	bs	Italy	1
HCM5	bs	32CrMo12	uni
Europe	2	Sweden	1
1.7361	din-en	2240	ss
32CrMo12	din-en	Czechia	1
		15432ŠN	csn
France	1	Poland	1
30CD12	afnor	25H3M	pn

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 32CrMo12

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

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ISSUED

Aug 20, 2026