

MATERIAL NUMBER 1.3402 · CLASS 1.3

1.3402

Chemical composition, mechanical and physical property values, and 12 standard designations from 5 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 12 in 5 regions	PROPERTY VALUES 6 on file
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Chemical composition

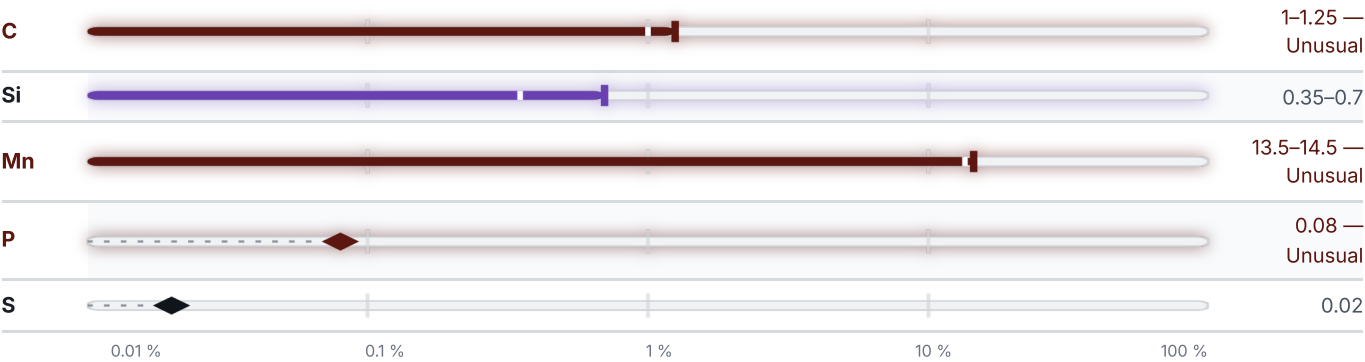
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 84.3 % ● Mn — 14 % ● C — 1.1 % ● Si — 0.5 % ● Traces & impurities · 0.1 %

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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Cr, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

12 designations · 1 documented as identical

United Kingdom		5	France		2
BW 10	bs		GD 233		afnor
Ma2	bs		Z120M12		afnor
Ma3	bs		Europe		1
Ma5	bs		X110Mn14		din-en
MaZ	bs		United States		1
Russia / CIS		3	A128		astm
120G13	gost				
E1256	gost				
G13	gost				

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 1.3402

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	1.3402	Aug 20, 2026