SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.3402 · CLASS 1.3

X110Mn14

Material no. 1.3402

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

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	12 in 5 regions	6 on file

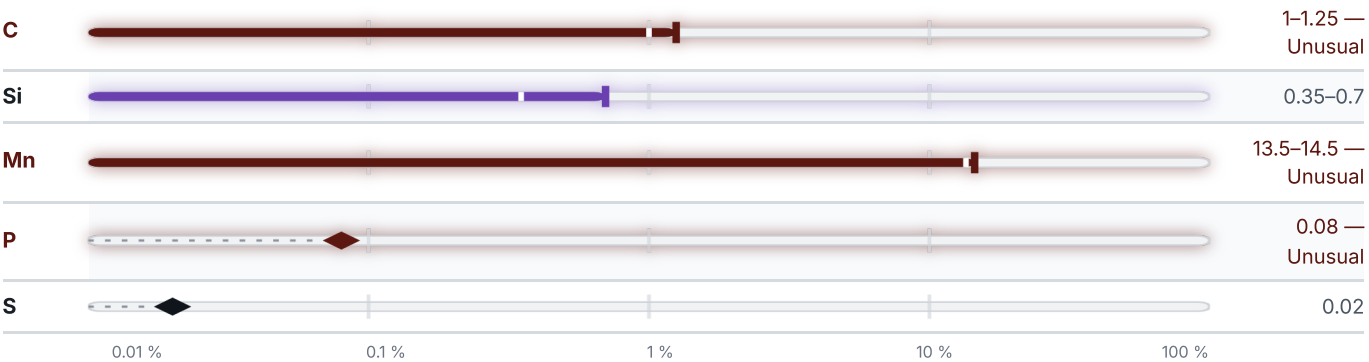
Chemical composition

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/cm³

Designations across standards

12 designations · 1 documented as identical

United Kingdom 5

BW 10	bs
Ma2	bs
Ma3	bs
Ma5	bs
MaZ	bs

Russia / CIS 3

120G13	gost
EI256	gost
G13	gost

France 2

GD 233	afnor
Z120M12	afnor

Europe 1

X110Mn14 This grade's own name	din-en

United States 1

A128	astm

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 X110Mn14

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