

MATERIAL NUMBER 1.5122 · CLASS 1.5

35SG

Material no. 1.5122

also listed as 37MnSi5

Chemical composition, mechanical and physical property values, and 7 standard designations from 7 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	7 in 7 regions	6 on file

Chemical composition

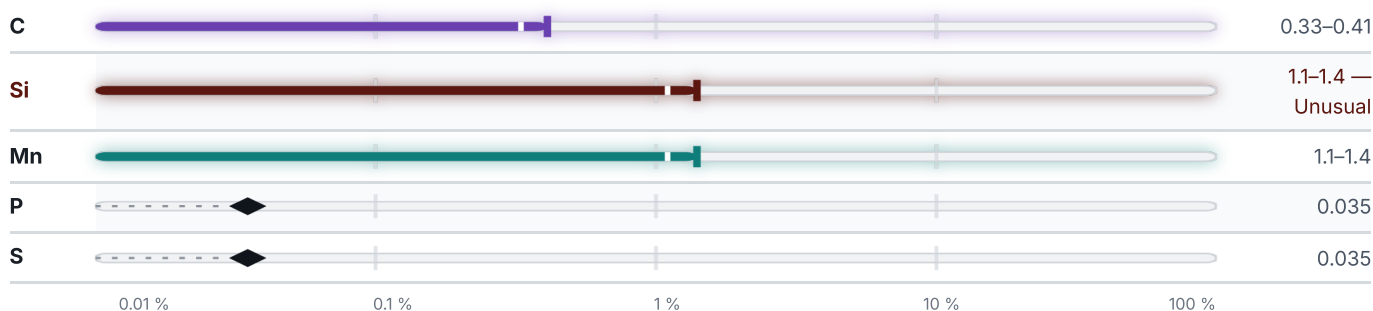
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 97.1 % ● Si — 1.3 % ● Mn — 1.3 % ● C — 0.4 % ● 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

Heat treatment

1 regimes

STEP	TEMPERATURE	MEDIUM
source joins the operations with + / procedural order		
Quenching	Temperature not stated	—
Tempering	Temperature not stated	—

Designations across standards

7 designations · 1 documented as identical

Europe	1	Czechia	1
37MnSi5	This grade's own name din-en	13240	csn
United Kingdom	1	Poland	1
En46	bs	35SG	pn
China	1	Serbia	1
35SiMn	gb	Č.3230	srps
Russia / CIS	1		
35CF	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 35SG

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	1.5122	Aug 20, 2026