SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.0130 · CLASS 1.0

P265S

Material no. 1.0130

Chemical composition, mechanical and physical property values, and 6 standard designations from 5 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	6 in 5 regions	7 on file

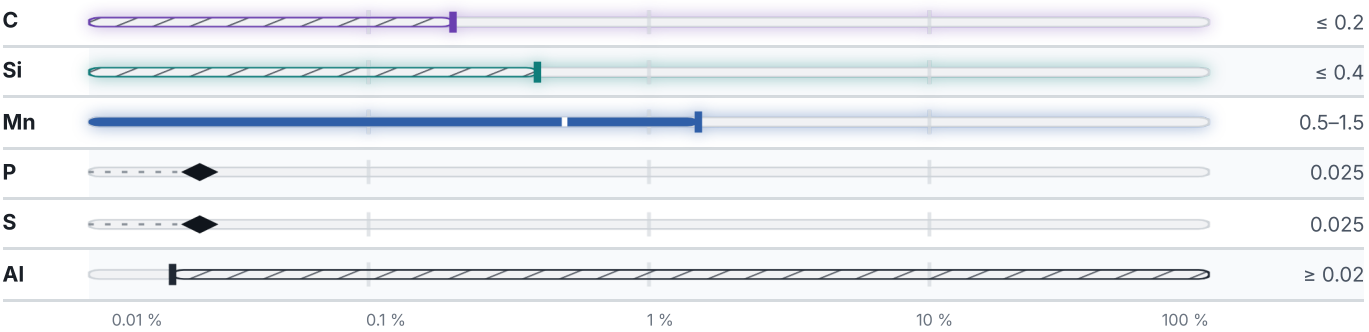
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 98.3 % · Mn — 1 % · Si — 0.4 % · C — 0.2 % · 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.

Mechanical properties

7 values across 1 conditions

NORMALIZED	REH N/mm²	A %
2 – 2.5	–	17
2.5 – 3	–	18
3 – 40	–	22
≤ 16	265	–
16 – 40	255	–
40 – 60	245	22

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

6 designations · 2 documented as identical

Europe 2

P265S This grade's own name	din-en
SPH 265 This grade's own name	din-en

United Kingdom 1

164-400B-LT20	bs

France 1

A42AP	afnor

Spain 1

SPH265	une

Italy 1

Fe410-2KW	uni

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 P265S

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	1.0130	Aug 20, 2026