SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.3342 · CLASS 1.3

k 3

Material no. 1.3342

also listed as SC 6-5-2

Chemical composition, mechanical and physical property values, and 7 standard designations from 4 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
8.2 g/cm³	7 in 4 regions	10 on file

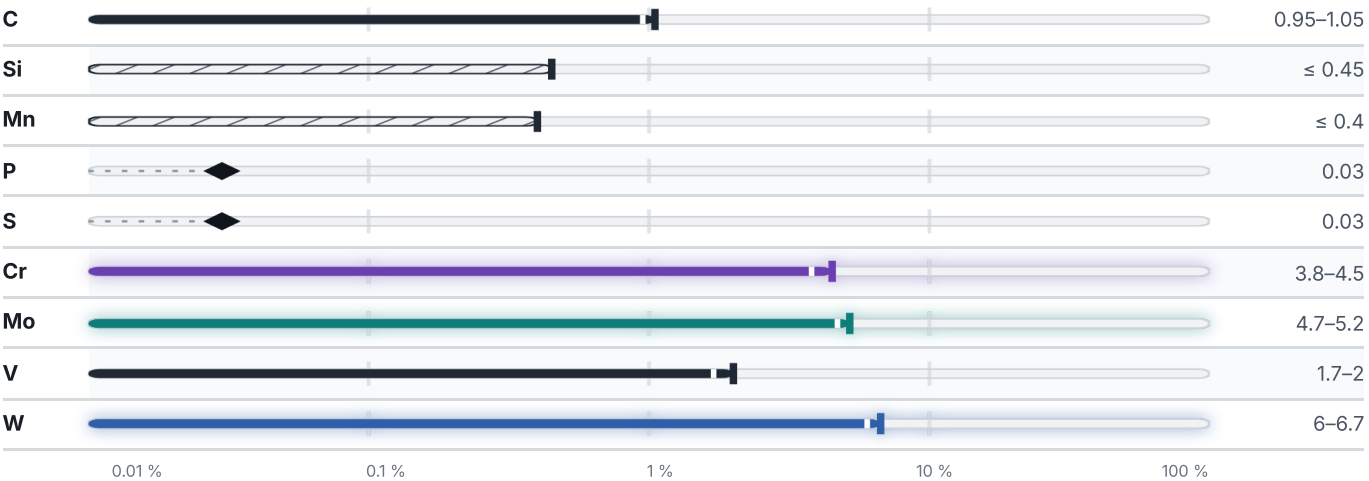
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 80.8 % · W — 6.4 % · Mo — 5 % · Cr — 4.2 % · Traces & impurities · 3.8 %

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.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	269

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.2	g/cm³

Designations across standards

7 designations · 1 documented as identical

United States 3

K 2	aisi-sae
k 3	aisi-sae
M3	aisi-sae

Europe 2

HS6-5-2C	din-en
SC 6-5-2 This grade's own name	din-en

France 1

Z90WDCV06-05-04-03	afnor

Czechia 1

19829	csn

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.

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.3342	Aug 20, 2026