SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.4418 · CLASS 1.4

SS 2387

Material no. 1.4418

also listed as X 4 CrNiMo 16 5

Chemical composition, mechanical and physical property values, and 8 standard designations from 3 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.7 g/cm³	8 in 3 regions	10 on file

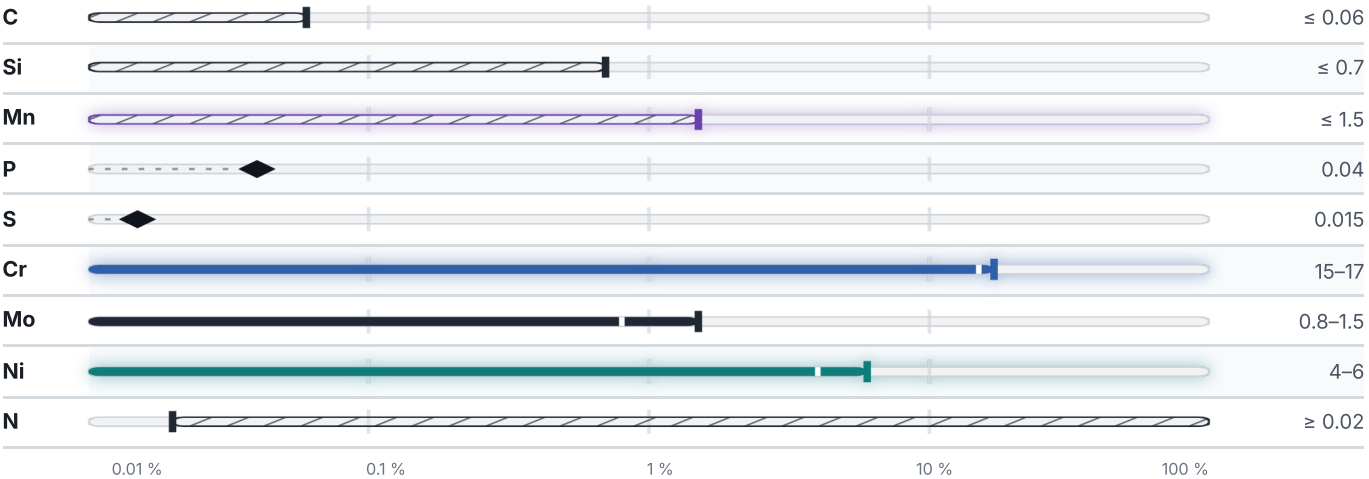
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 75.5 % · Cr — 16 % · Ni — 5 % · Mn — 1.5 % · Traces & impurities · 2 %

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	320

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm³

Designations across standards

8 designations · 2 documented as identical

Europe 3

1.4418	din-en
X 4 CrNiMo 16 5 This grade's own name	din-en
X4CrNiMo16-5-1 This grade's own name	din-en

Sweden 3

2387	ss
S165M	ss
SS 2387	ss

France 2

Z6CND16-04-01	afnor
Z6CND16-05-01	afnor

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	1.4418	Aug 20, 2026