

MATERIAL NUMBER 1.4418 · CLASS 1.4

X 4 CrNiMo 16 5

Material no. 1.4418

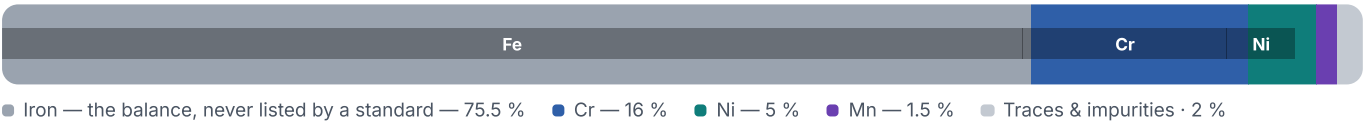
Chemical composition, mechanical and physical property values, and 8 standard designations from 3 regions.

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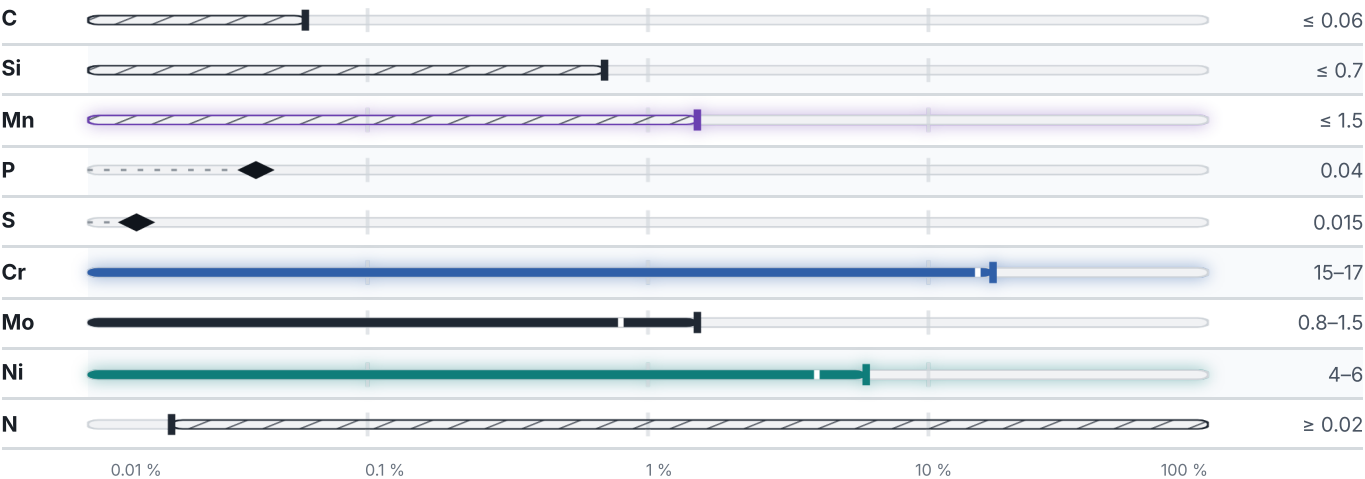
Chemical composition

Mass fraction in %

What this alloy is



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	Sweden		3
1.4418	din-en		2387		ss
X 4 CrNiMo 16 5	This grade's own name	din-en	S165M		ss
X4CrNiMo16-5-1	This grade's own name	din-en	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.

Enquiry about X 4 CrNiMo 16 5

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	1.4418	Aug 20, 2026