

MATERIAL NUMBER 1.4866 · CLASS 1.4

EV 16

Material no. 1.4866

also listed as X33CrNiMnN23-8

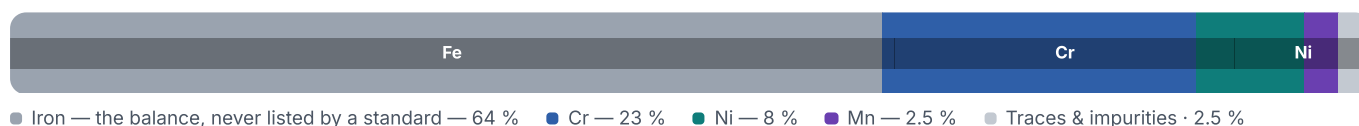
Chemical composition, mechanical and physical property values, and 3 standard designations from 2 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	3 in 2 regions	11 on file

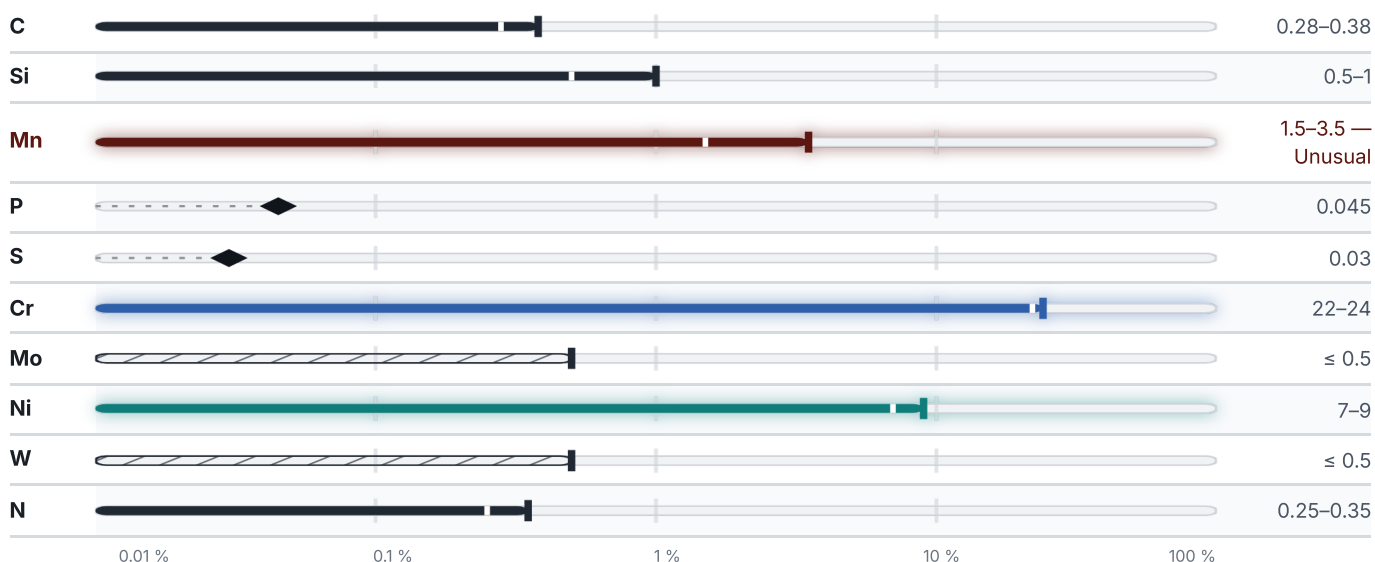
Chemical composition

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

SOLUTION ANNEALED	HRC
Solution annealed	25

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

3 designations · 3 documented as identical

United States	2	Europe	1
S63018 This grade's own name	uns	X33CrNiMnN23-8 This grade's own name	din-en
EV 16 This grade's own name	aisi-sae		

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 EV 16

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	1.4866	Aug 20, 2026