

MATERIAL NUMBER 1.4429 · CLASS 1.4

316S62

Material no. 1.4429

also listed as X2CrNiMoN17-12-3

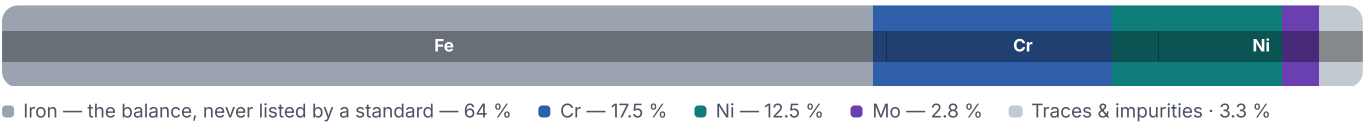
Chemical composition, mechanical and physical property values, and 62 standard designations from 11 regions.

DENSITY 8 g/cm³	OTHER DESIGNATIONS 62 in 11 regions	PROPERTY VALUES 11 on file
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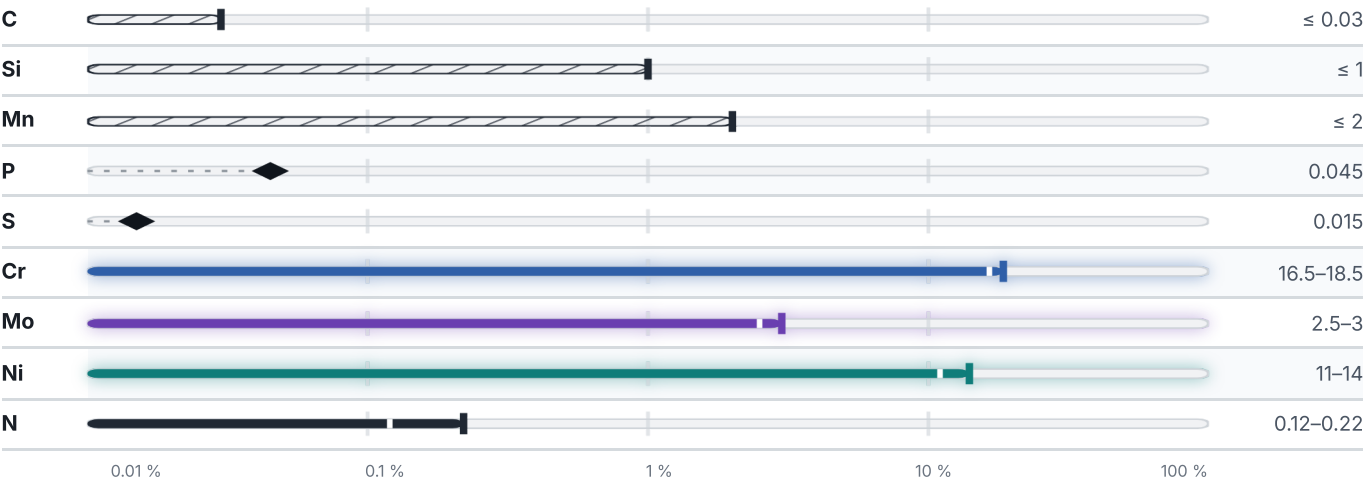
Chemical composition

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

2 values across 2 conditions

SOFT ANNEALED	HB
Soft annealed	250
SOLUTION ANNEALED	HB
Solution annealed	220

Physical properties

2 values

PROPERTY	VALUE	UNIT
Density	8	g/cm ³

Technological properties

PROPERTY	VALUE	UNIT
Weldability	without limitations.	

62 designations · 5 documented as identical

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 316S62

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026