

MATERIAL NUMBER 1.4439 · CLASS 1.4

A 182 Grade F48

Material no. 1.4439

also listed as X2CrNiMoN17-13-5

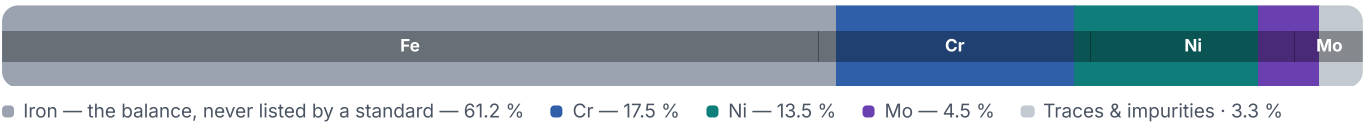
Chemical composition, mechanical and physical property values, and 14 standard designations from 7 regions.

DENSITY 8.02 g/cm³	OTHER DESIGNATIONS 14 in 7 regions	PROPERTY VALUES 10 on file
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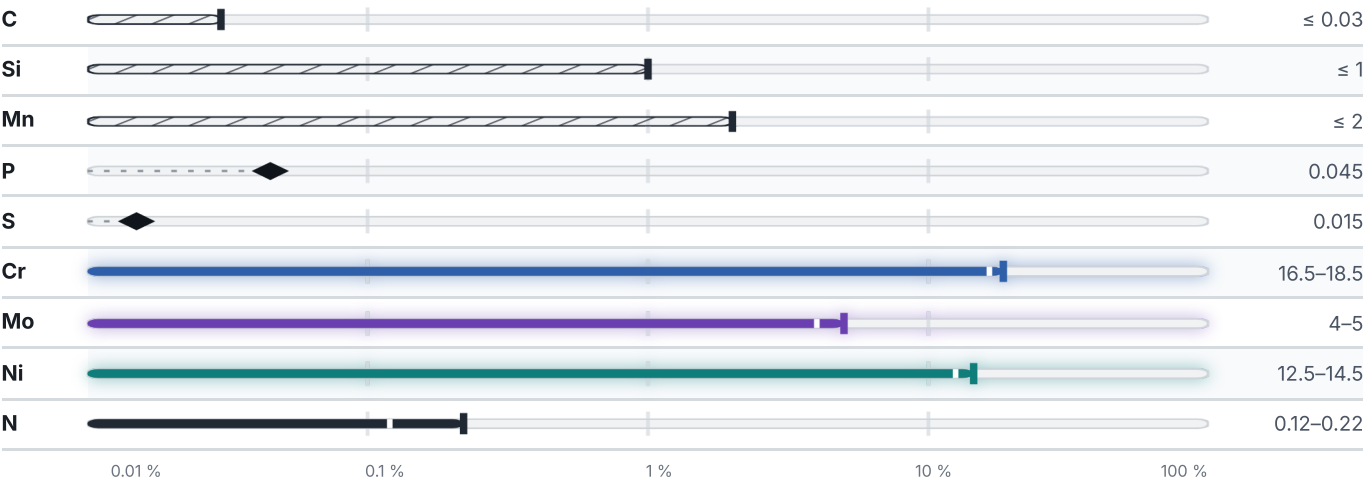
Chemical composition

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

2 values across 2 conditions

SOFT ANNEALED	HB
Soft annealed	250
SOLUTION ANNEALED	HB
Solution annealed	200

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.02	g/cm ³

Designations across standards

14 designations · 3 documented as identical

United States	6	Czechia	2
S31726 This grade's own name	uns	17350	csn
316LMN	aisi-sae	17381VN	csn
317 LN	aisi-sae		
317LMN This grade's own name	aisi-sae	France	1
S31726	aisi-sae	Z3 CND 18-14-05 Az	afnor
A 182 Grade F48	astm		
Europe	2	Spain	1
1.4439	din-en	F.3544	une
X2CrNiMoN17-13-5 This grade's own name	din-en	Japan	1
		SUS 317	jis
		Sweden	1
		23 67	ss

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 A 182 Grade F48

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	1.4439	Aug 20, 2026