

MATERIAL NUMBER 1.4429 · CLASS 1.4

X2CrNiMoN17-13-3

Material no. 1.4429

also listed as X2CrNiMoN17-12-3

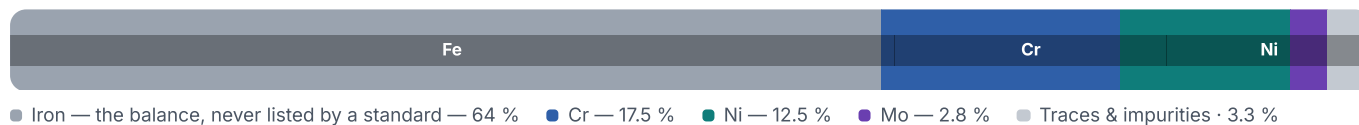
Chemical composition, mechanical and physical property values, and 62 standard designations from 11 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
8 g/cm ³	62 in 11 regions	11 on file

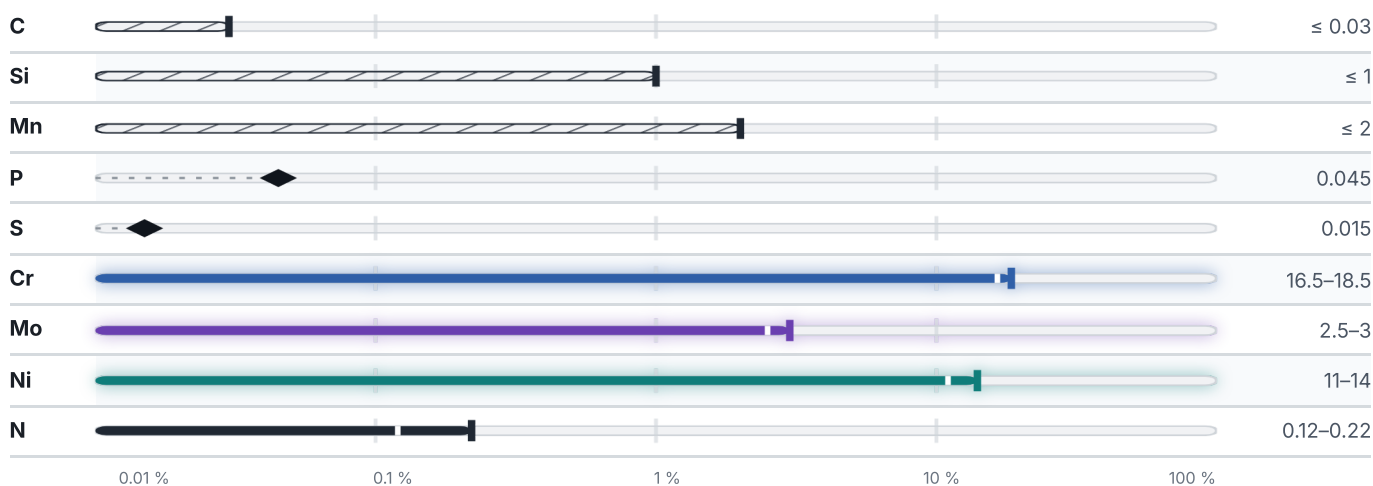
Chemical composition

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

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

United States	31	France	5
S31653 This grade's own name	uns	Z2CND17.13	afnor
316L	aisi-sae	Z2CND17.13AZ	afnor
316LN This grade's own name	aisi-sae	Z3CND17-12-03	afnor
S31653	aisi-sae	Z3CND17-12Az	afnor
A 182 Grade F316LN	astm	Z3CND18-14-08	afnor
A 312 Grade TP316LN	astm		
A 403 Grade WP316LN	astm	Europe	4
A1012	astm	1.4429	din-en
A1022	astm	X2CrNiMoN17-12-3 This grade's own name	din-en
A1049	astm	X2CrNiMoN17-13-3 This grade's own name	din-en
A182	astm	X2CrNiMoN1813	din-en
A193	astm		
A194	astm	Japan	4
A213	astm	SCS16	jis
A240	astm	SUS F 316LN	jis
A249	astm	SUS316L	jis
A269	astm	SUS316LN	jis
A276	astm		
A312	astm	Spain	3
A320	astm	F.3533	une
A336	astm	F.3543 This grade's own name	une
A358	astm	X2CrNiMo17132	une
A376	astm		
A403	astm	Russia / CIS	2
A479	astm	03KH16N15M3	gost
A688	astm	03X16H15M3	gost
A813	astm		
A814	astm	Sweden	2
A943	astm	2353	ss
A965	astm	2375	ss
A988	astm		
		Czechia	2
United Kingdom	7	17360VN	csn
316 S 63	bs	17381VN	csn
316S11	bs		
316S13	bs	China	1
316S31	bs	OCr17Ni13Mo	gb
316S62	bs		
LW22	bs	Italy	1
LWCF22	bs	X2CrNiMo17-13	uni

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 X2CrNiMoN17-13-3

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

[Start an enquiry](#)

DATASHEET ONLINE

[View the material page](#)

GRADE SEARCH

[Search all grades](#)

MATERIAL NO.

1.4429

ISSUED

Aug 20, 2026