

MATERIAL NUMBER 1.4539 · CLASS 1.4

X1NiCrMoCu25-20-5

Material no. 1.4539

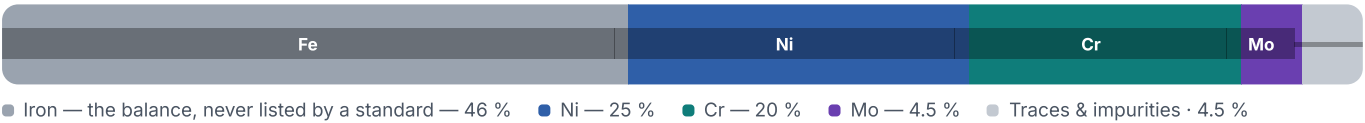
Chemical composition, mechanical and physical property values, and 23 standard designations from 9 regions.

DENSITY 8 g/cm³	OTHER DESIGNATIONS 23 in 9 regions	PROPERTY VALUES 11 on file
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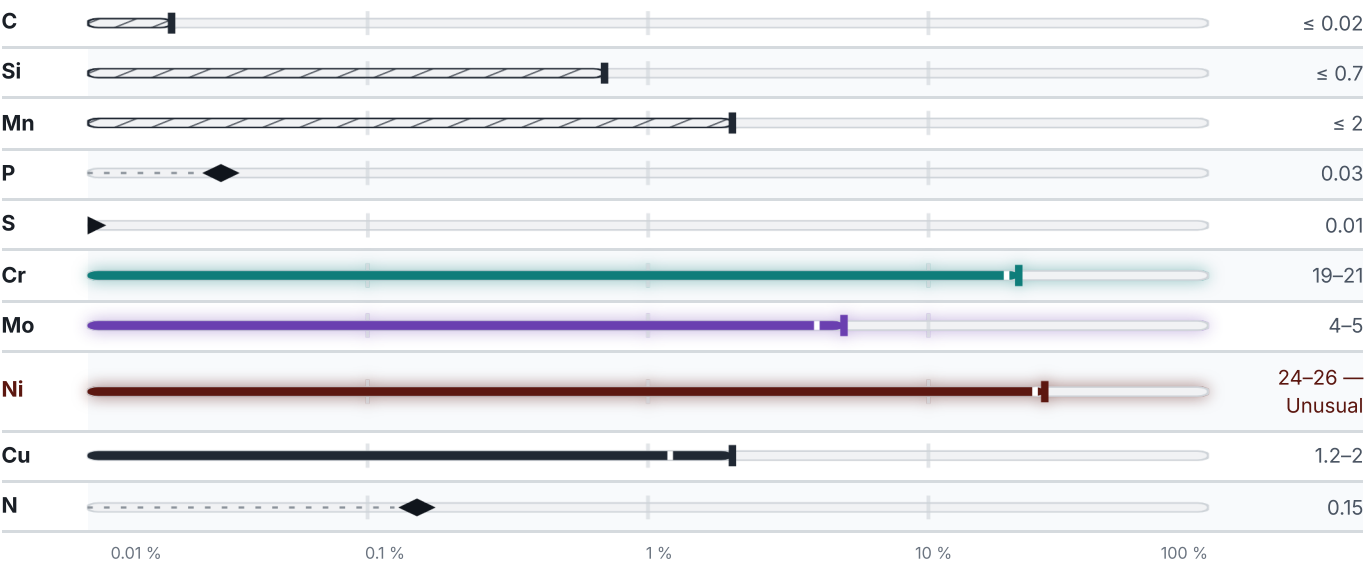
Chemical composition

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		230
SOLUTION ANNEALED		HB
Solution annealed		220

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8	g/cm³

Designations across standards

23 designations · 1 documented as identical

United States		9	Europe		2
N08904	uns		1.4539		din-en
904L	aisi-sae		X1NiCrMoCu25-20-5	This grade's own name	din-en
N08904	aisi-sae		Poland		
N08904	aisi-sae		2		
UNS N08904	aisi-sae		00H22N24M4TCu		pn
UNS V	aisi-sae		0H22N24M4TCu		pn
UNS V 0890A	aisi-sae		United Kingdom		
UNS8904	aisi-sae		1		
N 08904	astm		904S13		bs
France		3	Sweden		1
Z1NCDU25.20	afnor		2562		ss
Z2NCDU25-20	afnor		Czechia		
Z6CNT18.10	afnor		1		
Japan		3	17342		csn
F SUS 317 J5L	jis		Slovakia		
SUS 317 J5L TK	jis		1		
SUS 317 J5L TP	jis		17 342		stn

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 X1NiCrMoCu25-20-5

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

[Start an enquiry](#)

DATASHEET ONLINE

[View the material page](#)

GRADE SEARCH

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ISSUED

Aug 20, 2026