

MATERIAL NUMBER 1.4529 · CLASS 1.4

X1NiCrMoCuN25-20-7

Material no. 1.4529

also listed as X 1 NiCrMoCuN 25 20 6

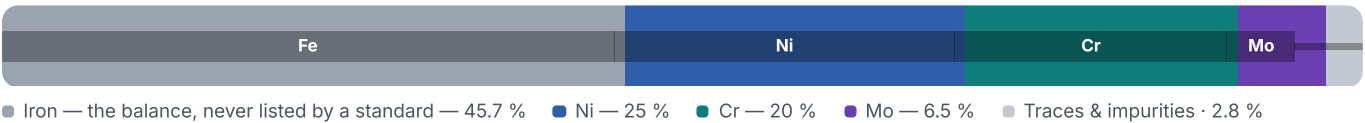
Chemical composition, mechanical and physical property values, and 28 standard designations from 2 regions.

DENSITY 8 g/cm³	OTHER DESIGNATIONS 28 in 2 regions	PROPERTY VALUES 11 on file
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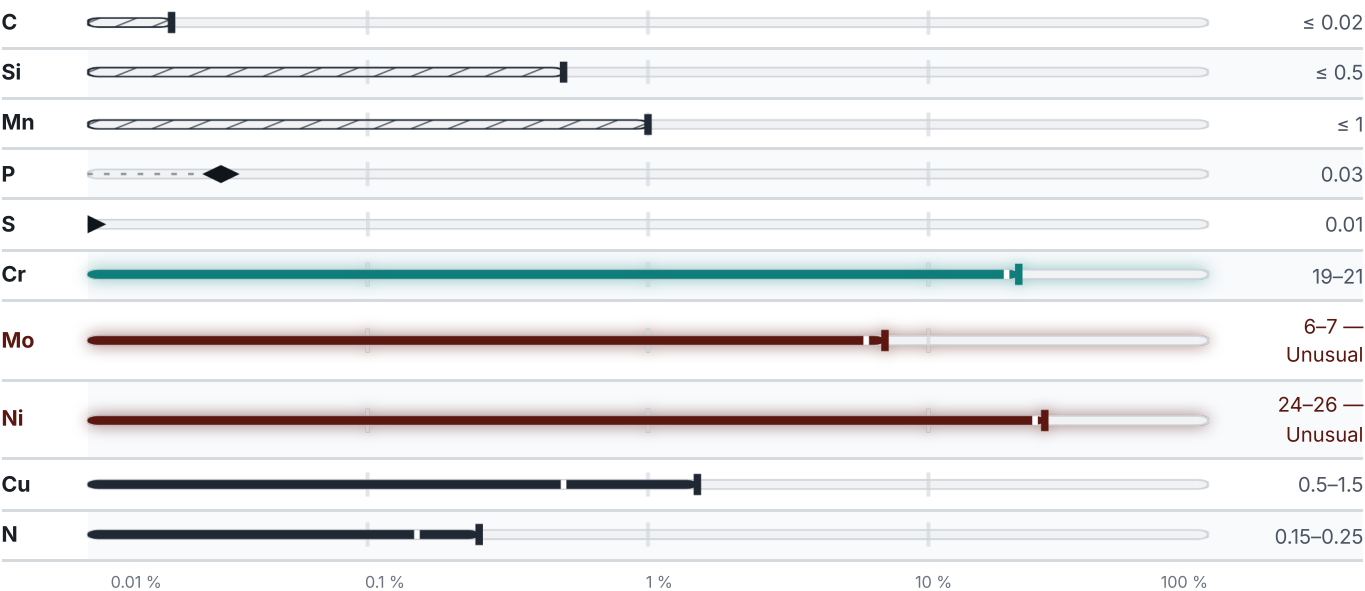
Chemical composition

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

1 values

PROPERTY	VALUE	UNIT
Density	8	g/cm ³

Designations across standards

28 designations · 5 documented as identical

United States	25	B691	astm
N08367 This grade's own name	uns	B804	astm
N08925 This grade's own name	uns		
N08926 This grade's own name	uns	Europe	3
S _ 31254	uns	N08367	din-en
N08926	aisi-sae	X 1 NiCrMoCuN 25 20 6 This grade's own name	din-en
N08367	aisi-sae	X1NiCrMoCuN25-20-7 This grade's own name	din-en
UNS N08925	aisi-sae		
26-3 Mo	astm		
6 Mo	astm		
A182	astm		
A240	astm		
A249	astm		
A276	astm		
A312	astm		
A479	astm		
B366	astm		
B462	astm		
B472	astm		
B564	astm		
B675	astm		
B676	astm		
B688	astm		
B690	astm		

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 X1NiCrMoCuN25-20-7
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

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1.4529

ISSUED
Aug 20, 2026