

MATERIAL NUMBER 2.4665 · CLASS 2.4

Alloy X

Material no. 2.4665

also listed as NiCr22Fe18Mo

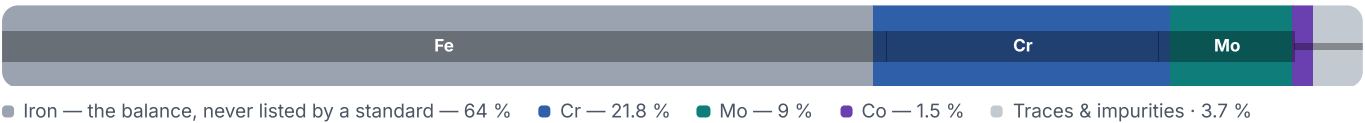
Chemical composition, mechanical and physical property values, and 26 standard designations from 10 regions.

DENSITY 8.22 g/cm³	OTHER DESIGNATIONS 26 in 10 regions	PROPERTY VALUES 15 on file
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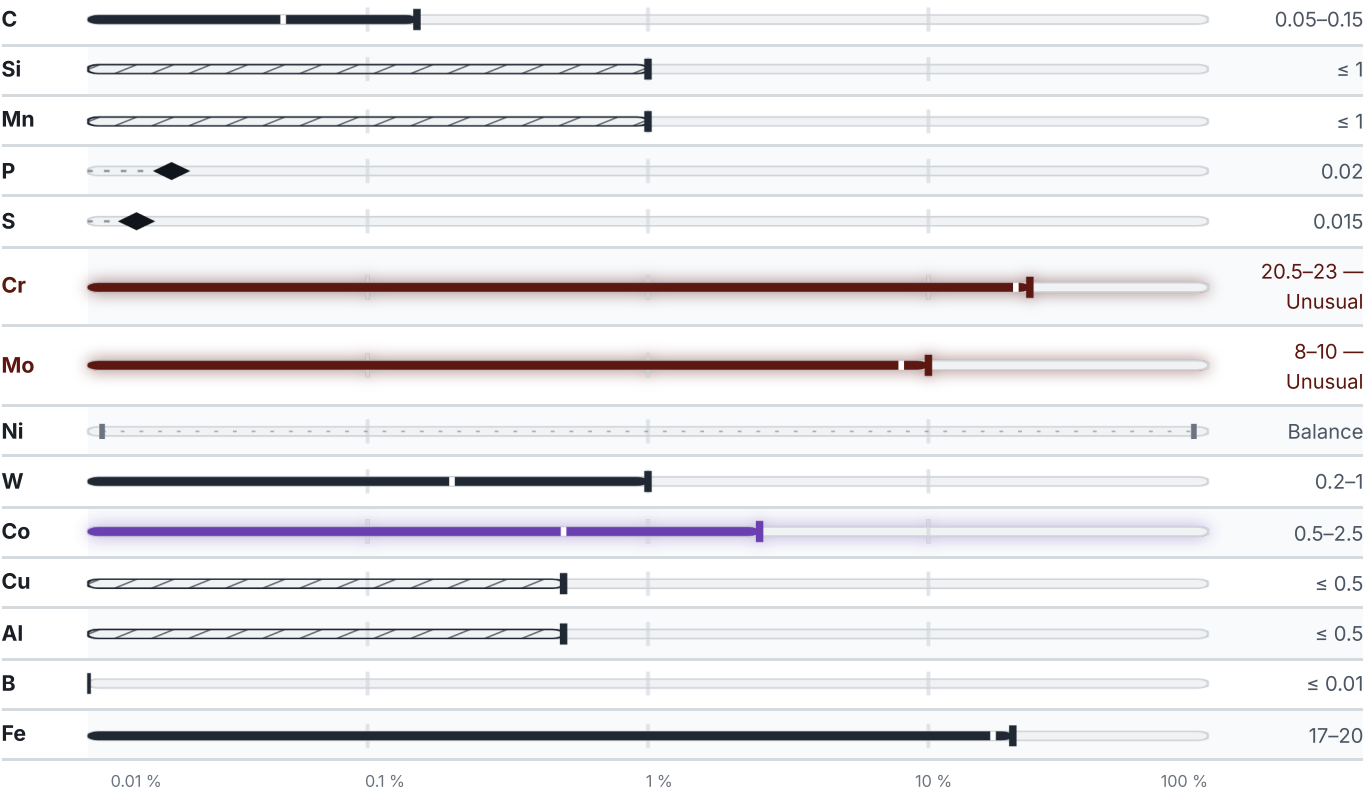
Chemical composition

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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.22	g/cm ³

Designations across standards

26 designations · 2 documented as identical

United States	11	China	2
N06002	uns	HNS3312	gb
5536E	aisi-sae	NS3312	gb
Alloy X	This grade's own name		
B 572	astm	Europe	1
B 829	astm	NiCr22Fe18Mo	This grade's own name
B366	astm		din-en
B435	astm	France	1
B619	astm	Ne 22 FeD	afnor
B622	astm		
B751	astm	International	1
B775	astm	NiCr21Fe18Mo9	iso
United States / Aerospace	5	Japan	1
5536	ams	NW6002	jis
5587	ams		
5588	ams	Russia / CIS	1
5754	ams	NiCr15Fe7TiAl	gost
5798	ams		
United Kingdom	2	Sweden	1
204	bs	MH-03	ss
HR 6	bs		

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 Alloy X

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