SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 2.4663 · CLASS 2.4

NA50

Material no. 2.4663

also listed as NiCr23Co12Mo

Chemical composition, mechanical and physical property values, and 18 standard designations from 6 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	18 in 6 regions	15 on file

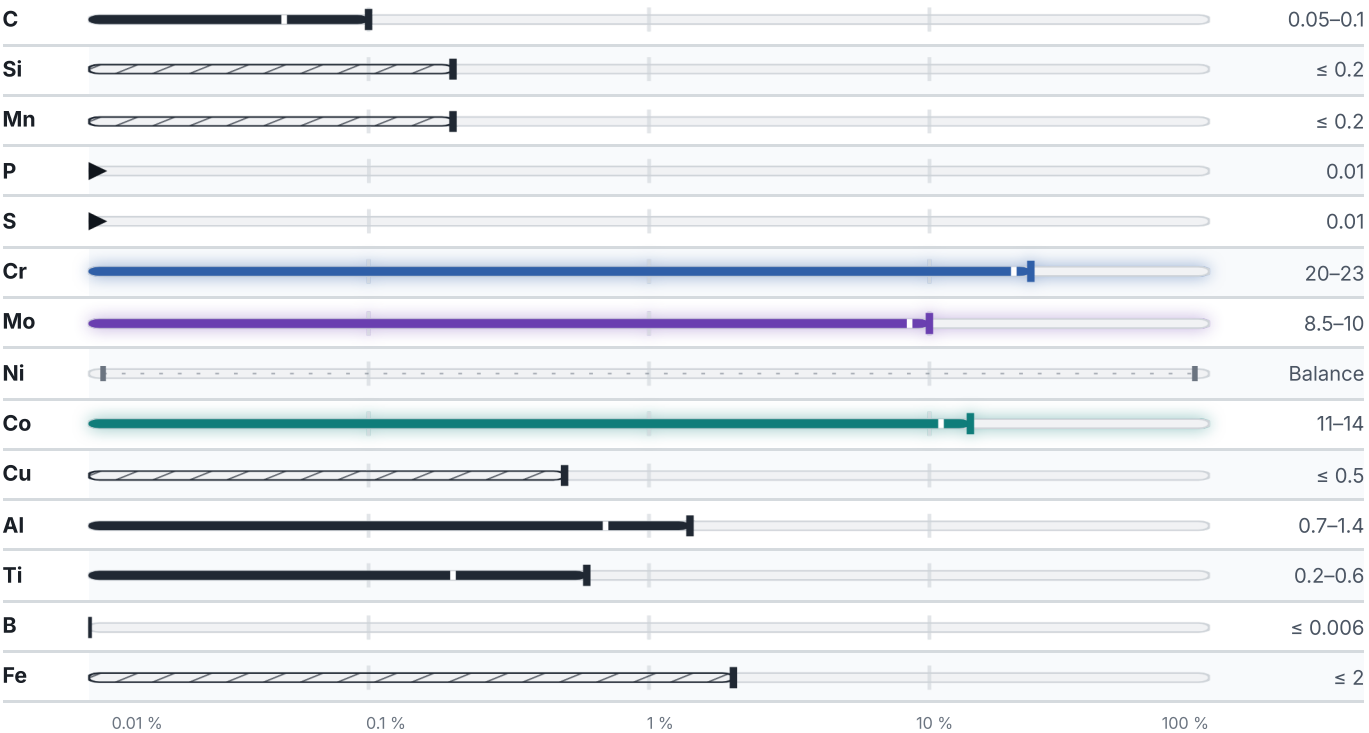
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 54.3 % · Cr — 21.5 % · Co — 12.5 % · Mo — 9.3 % · Traces & impurities · 2.5 %

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	7.85	g/cm³

Designations across standards

18 designations · 2 documented as identical

United States 5

N06617 This grade's own name	uns
B 166	astm
B168	astm
B546	astm
B564	astm

International 4

NiCr22Co12Mo9	iso
NiCr22Fe20Mo6Cu2Nb	iso
NW6007	iso
NW6017	iso

China 4

H06007	gb
HNS3304	gb
NS3402	gb
W50276	gb

United States / Aerospace 3

5887	ams
5888	ams
5889	ams

Europe 1

NiCr23Co12Mo This grade's own name	din-en

United Kingdom 1

NA50	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.

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	2.4663	Aug 20, 2026