

MATERIAL NUMBER 2.4654 · CLASS 2.4

685

Material no. 2.4654

also listed as NiCr19Co14Mo4Ti

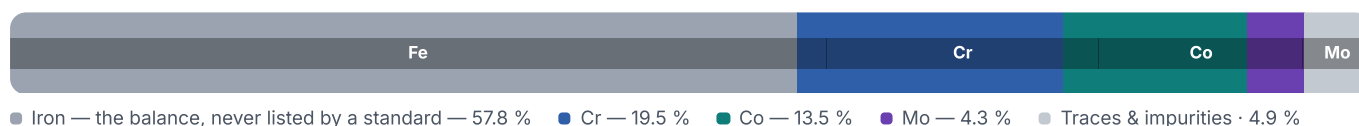
Chemical composition, mechanical and physical property values, and 17 standard designations from 5 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm ³	17 in 5 regions	16 on file

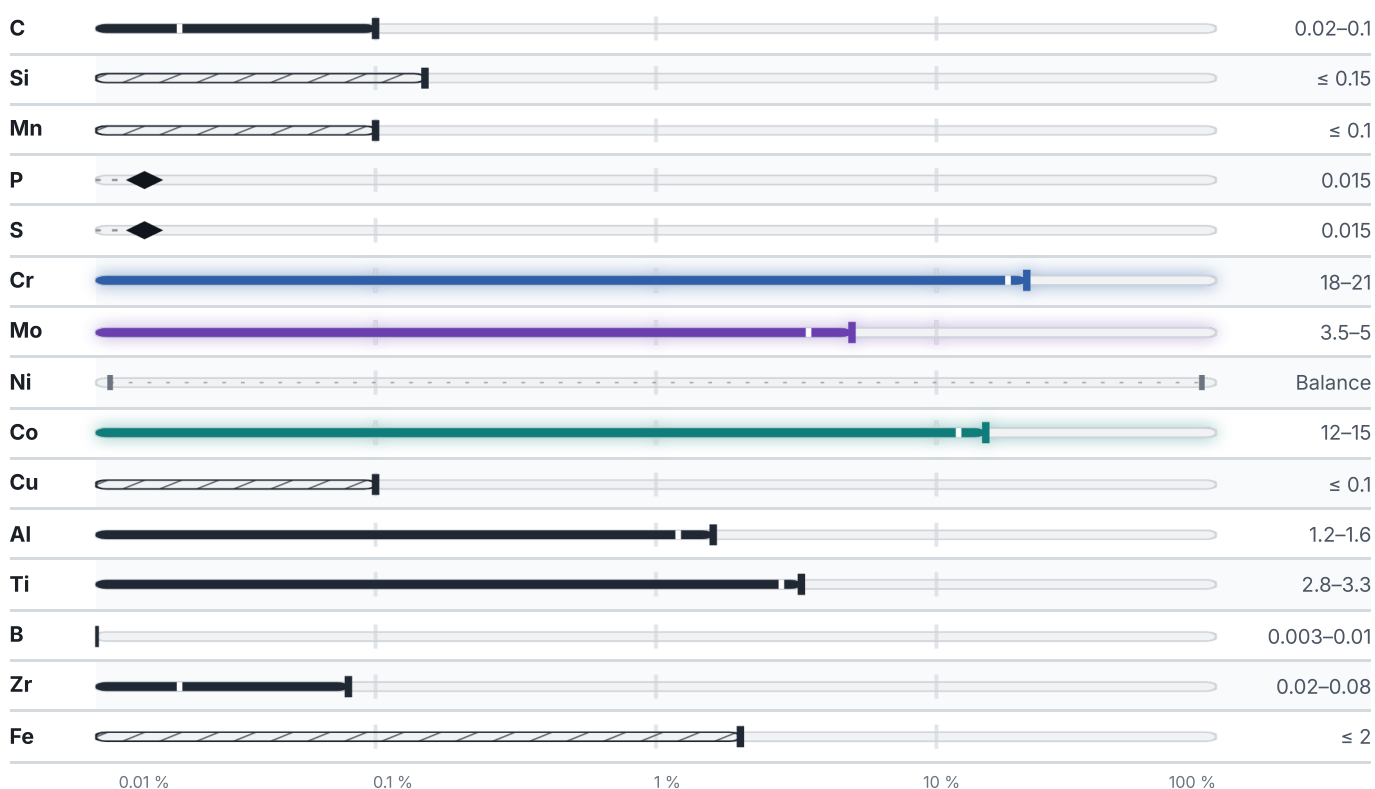
Chemical composition

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

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/cm ³

Designations across standards

17 designations · 4 documented as identical

United States / Aerospace		7	China		3
5544	ams		GH4738		gb
5704	ams		GH684		gb
5706	ams		GH738		gb
5707	ams		Europe		2
5708	ams				
5709	ams		NiCr19Co14Mo4Ti	This grade's own name	din-en
5828	ams		NiCr20Co13Mo4Ti3Al	This grade's own name	din-en
United States		3	International		2
N07001	This grade's own name	uns	NiCr20Co13Mo4Ti3Al		iso
685	This grade's own name	aisi-sae	NW7001		iso
B 637		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 685

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

Start an enquiry

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	2.4654	Aug 20, 2026