

MATERIAL NUMBER 2.4654 · CLASS 2.4

5828

Material no. 2.4654

also listed as NiCr19Co14Mo4Ti

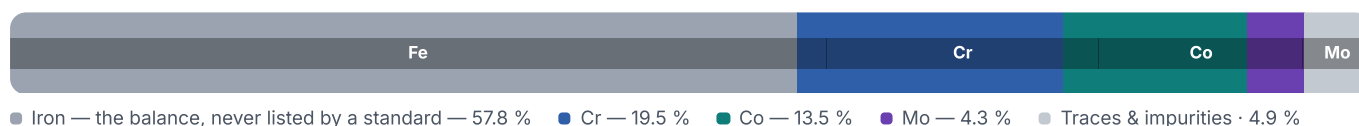
Chemical composition, mechanical and physical property values, and 17 standard designations from 5 regions.

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

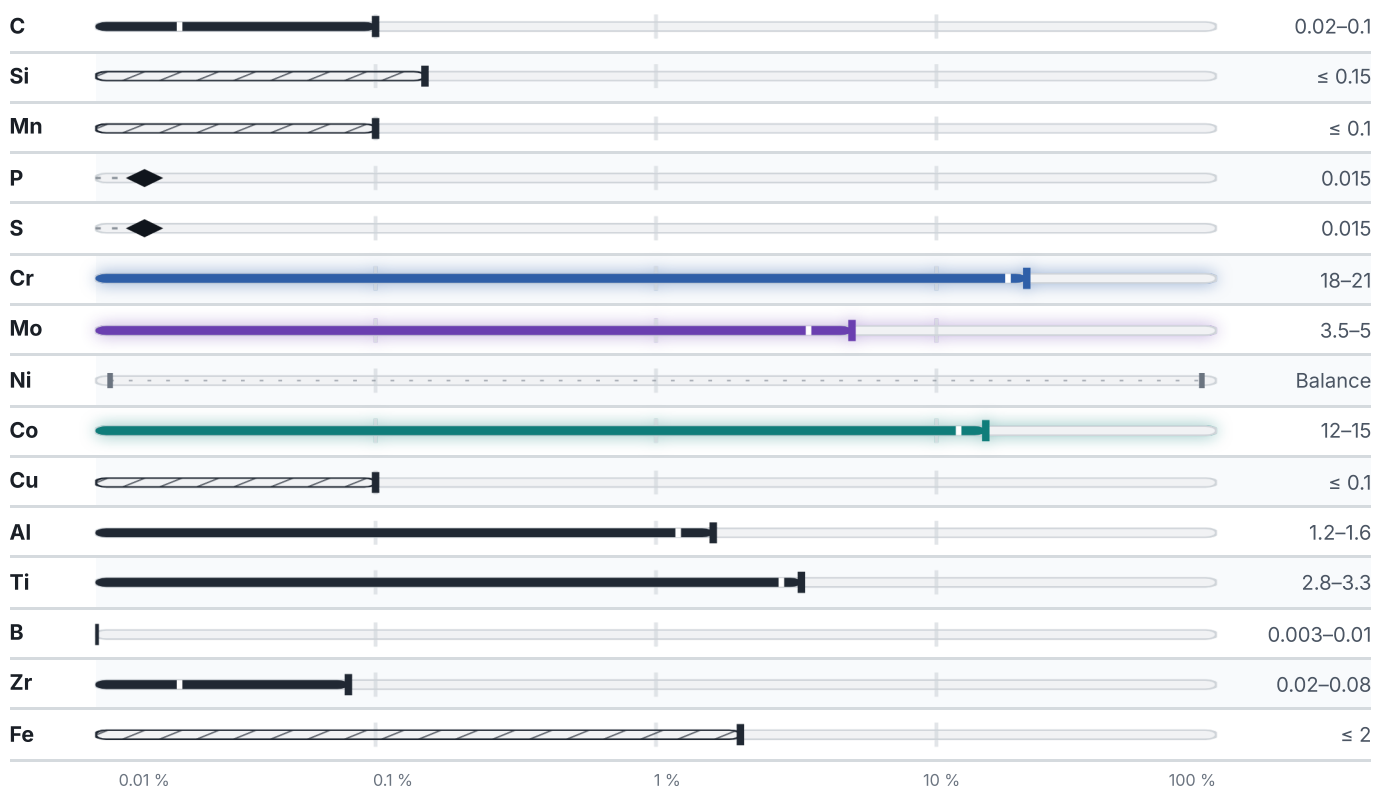
Chemical composition

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 / Aerospace7		China3	
5544	ams	GH4738	gb
5704	ams	GH684	gb
5706	ams	GH738	gb
5707	ams		
5708	ams	Europe2	
5709	ams	NiCr19Co14Mo4Ti	This grade's own name din-en
5828	ams	NiCr20Co13Mo4Ti3Al	This grade's own name din-en
United States3		International2	
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 5828

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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ISSUED
Aug 20, 2026