

MATERIAL NUMBER 2.4650 · CLASS 2.4

HR404

Material no. 2.4650

also listed as NiCo20Cr20MoTi

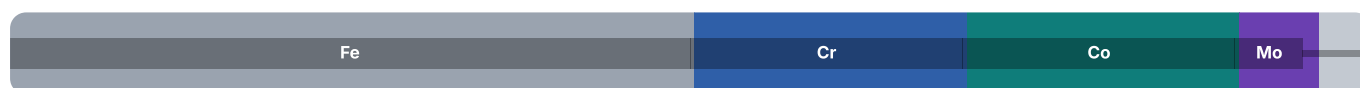
Chemical composition, mechanical and physical property values, and 11 standard designations from 6 regions.

DENSITY**7.85** g/cm³**OTHER DESIGNATIONS****11** in 6 regions**PROPERTY VALUES****15** on file

Chemical composition

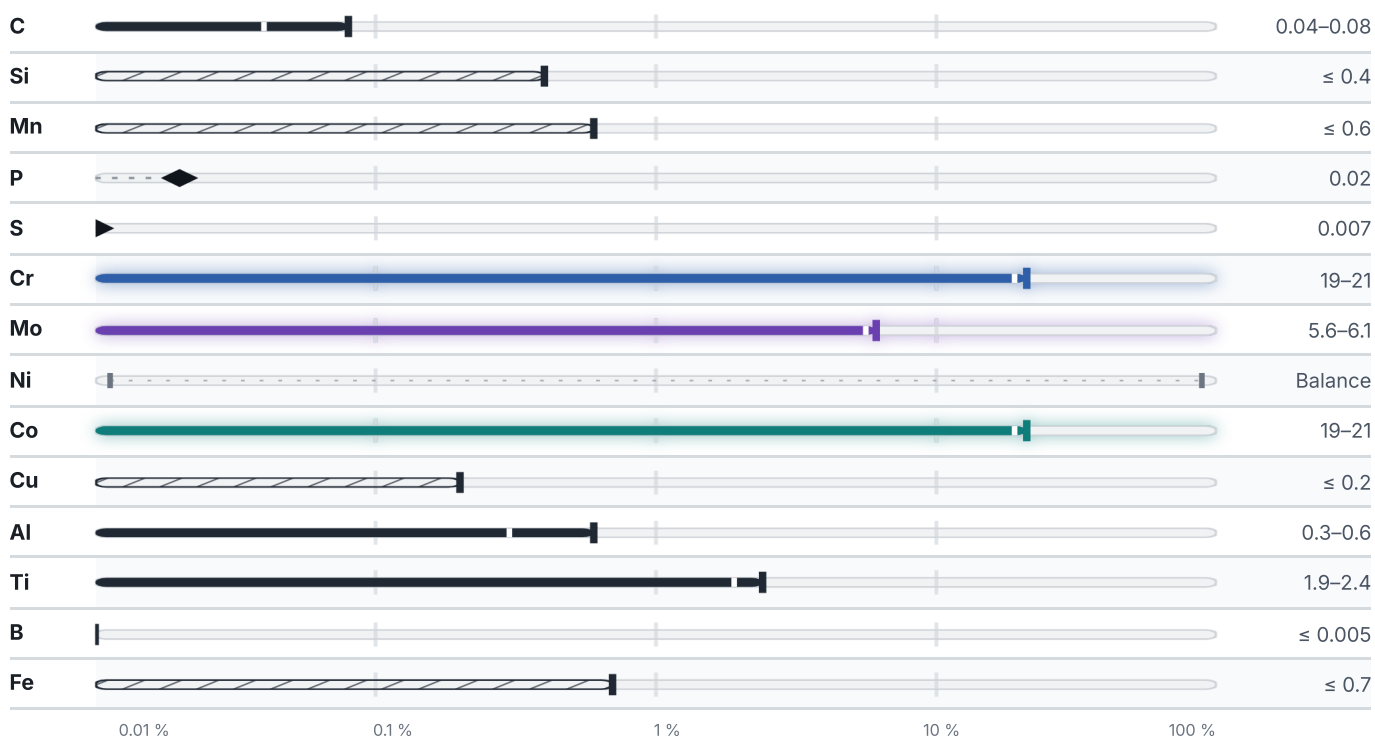
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 50.3 % ● Cr — 20 % ● Co — 20 % ● Mo — 5.9 % ● Traces & impurities · 3.9 %

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

11 designations · 2 documented as identical

United Kingdom	3	International	2
HR10	bs	NiCr20Cr20Mo5Ti2Al	iso
HR206	bs	NW7263	iso
HR404	bs		
		Europe	1
United States / Aerospace	3	NiCo20Cr20MoTi	This grade's own name din-en
5872	ams		
5886	ams	United States	1
5966	ams	N07263	This grade's own name uns
		France	1
		NCK 20 D	afnor

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 HR404

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	2.4650	Aug 20, 2026