

MATERIAL NUMBER 2.4669 · CLASS 2.4

HR505

Material no. 2.4669

also listed as NiCr15Fe7Ti2Al

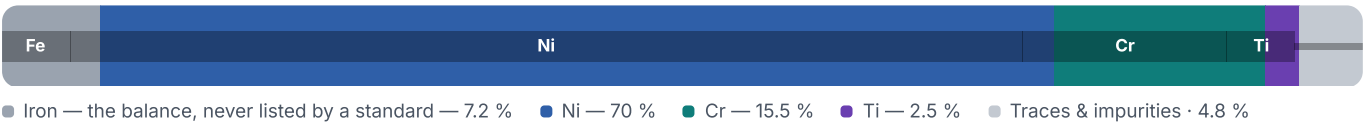
Chemical composition, mechanical and physical property values, and 23 standard designations from 7 regions.

DENSITY 8.2 g/cm³	OTHER DESIGNATIONS 23 in 7 regions	PROPERTY VALUES 14 on file
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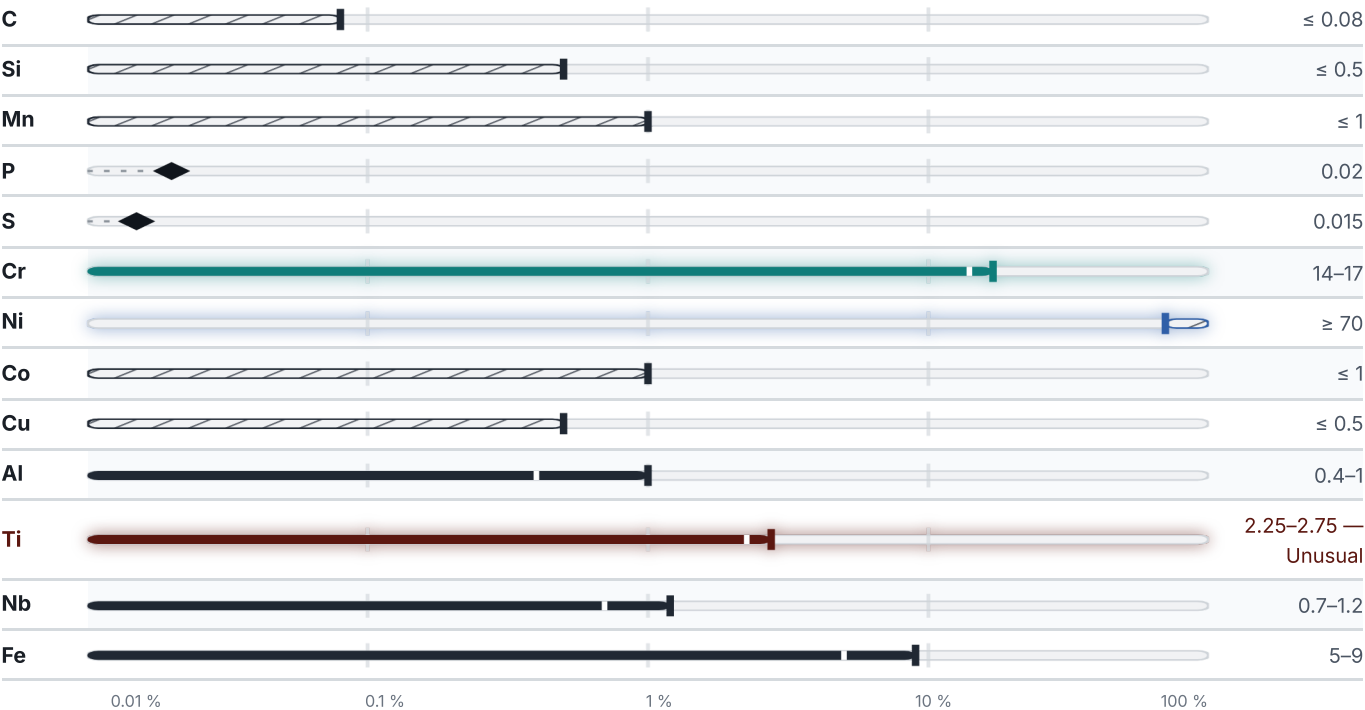
Chemical composition

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, Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.2	g/cm ³

Designations across standards

23 designations · 4 documented as identical

United States / Aerospace		10	Europe		2
5542	ams		NiCr15Fe7Ti2Al	This grade's own name	din-en
5598	ams		NiCr15Fe7TiAl	This grade's own name	din-en
5667	ams		United Kingdom		1
5668	ams		HR505		bs
5669	ams		France		1
5670	ams		NC 15 Fe TNb		afnor
5671	ams		International		1
5698	ams		NW7750		iso
5699	ams		Japan		1
5747	ams		NCF750		jis
United States		7			
N07750	This grade's own name	uns			
N07752		uns			
5542G		aisi-sae			
688	This grade's own name	aisi-sae			
B 637		astm			
Inconel® X-750		astm			
N07750		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 HR505

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	2.4669	Aug 20, 2026