

MATERIAL NUMBER 2.4631 · CLASS 2.4

HR401

Material no. 2.4631

also listed as NiCr20TiAl

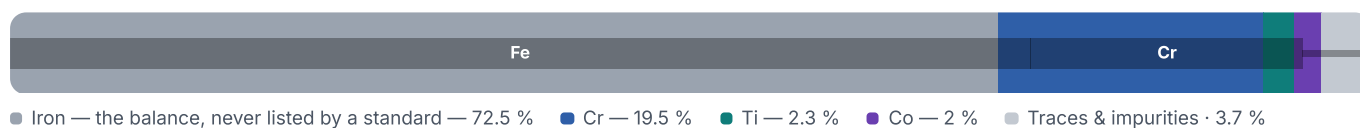
Chemical composition, mechanical and physical property values, and 11 standard designations from 5 regions.

DENSITY**8.2** g/cm³**OTHER DESIGNATIONS****11** in 5 regions**PROPERTY VALUES****14** on file

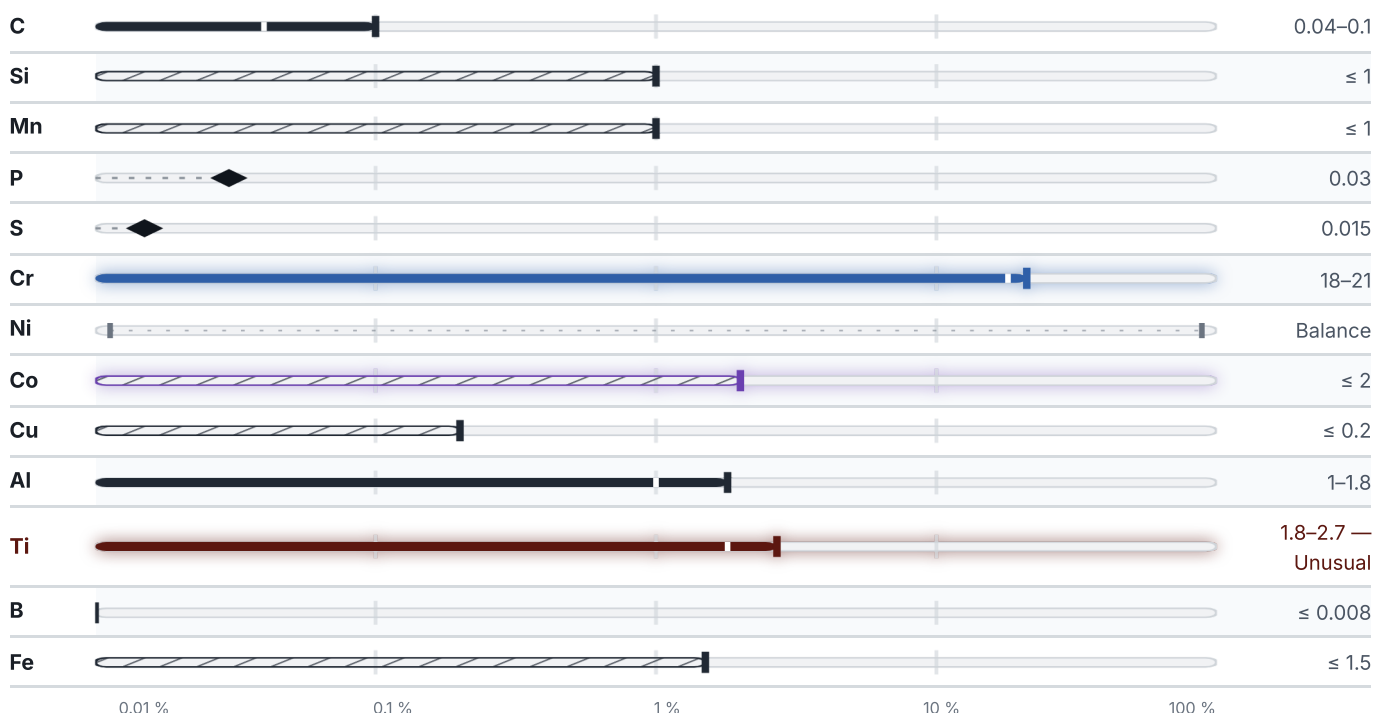
Chemical composition

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, Mo.

Mechanical properties

1 values across 1 conditions

SOLUTION ANNEALED	HRC
Solution annealed	32

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	8.2	g/cm³

Designations across standards

11 designations · 2 documented as identical

United Kingdom		6	Europe		1
736B	bs		NiCr20TiAl	This grade's own name	din-en
HR1	bs				
HR201	bs		France		1
HR401	bs		NC 20 TA		afnor
HR401HR601	bs				
HR601	bs		Sweden		1
United States		2	MH-07		ss
N07080	This grade's own name	uns			
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 HR401

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

[Start an enquiry](#)

DATASHEET ONLINE
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GRADE SEARCH
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2.4631

ISSUED
Aug 20, 2026