

MATERIAL NUMBER 2.4665 · CLASS 2.4

HR 6

Material no. 2.4665

also listed as NiCr22Fe18Mo

Chemical composition, mechanical and physical property values, and 26 standard designations from 10 regions.

DENSITY**8.22** g/cm³**OTHER DESIGNATIONS****26** in 10 regions**PROPERTY VALUES****15** on file

Chemical composition

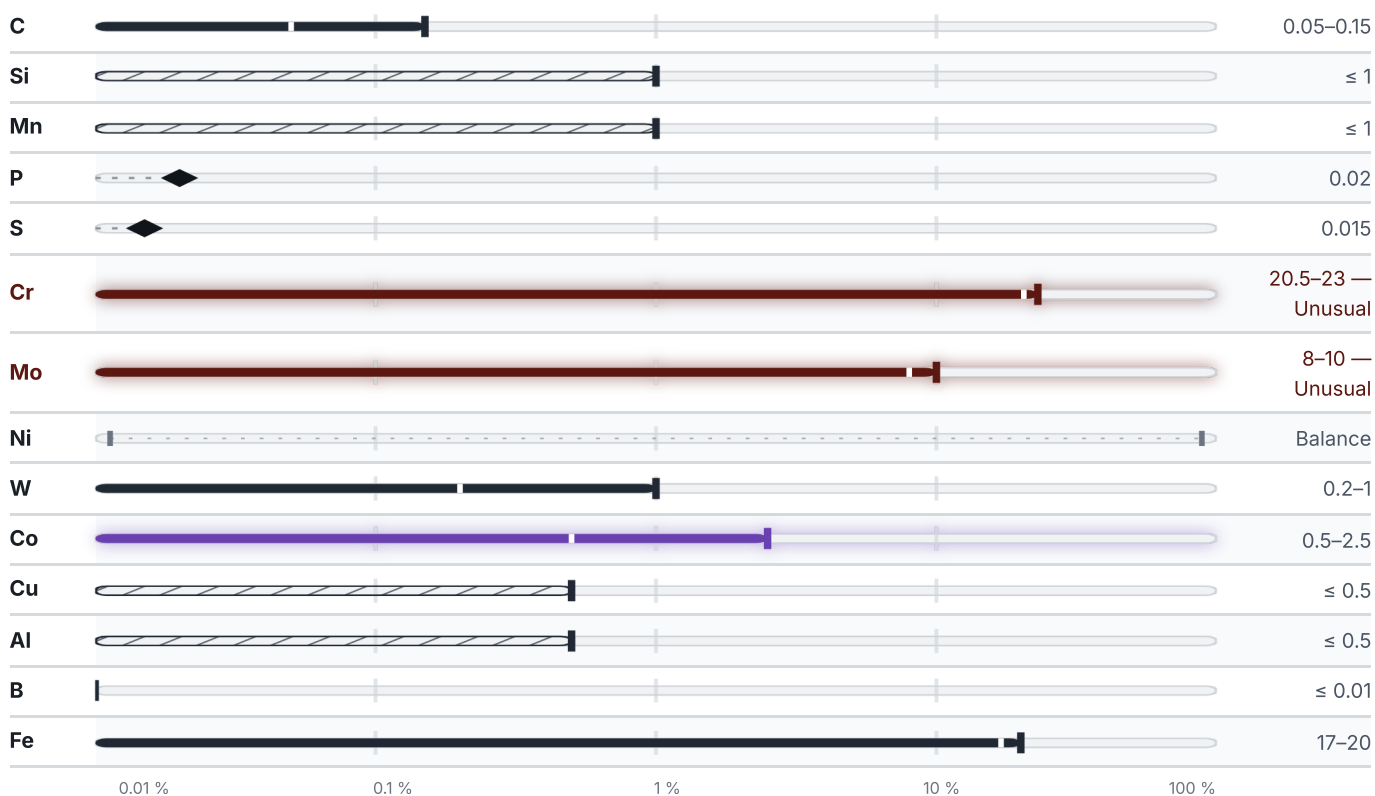
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 64 % ● Cr — 21.8 % ● Mo — 9 % ● Co — 1.5 % ● Traces & impurities — 3.7 %

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	8.22	g/cm ³

Designations across standards

26 designations · 2 documented as identical

United States		11	China		2	
N06002		uns	HNS3312		gb	
5536E		aisi-sae	NS3312		gb	
Alloy X	This grade's own name	aisi-sae				
B 572		astm	Europe			1
B 829		astm	NiCr22Fe18Mo	This grade's own name	din-en	
B366		astm				
B435		astm	France			1
B619		astm	Ne 22 FeD			afnor
B622		astm	International			1
B751		astm	NiCr21Fe18Mo9			iso
B775		astm				
United States / Aerospace		5	Japan		1	
5536		ams	NW6002		jis	
5587		ams	Russia / CIS			1
5588		ams	NiCr15Fe7TiAl			gost
5754		ams				
5798		ams	Sweden			1
United Kingdom		2	MH-03			ss
204		bs				
HR 6		bs				

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 HR 6

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

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ISSUED

Aug 20, 2026