

MATERIAL NUMBER 2.4613 · CLASS 2.4

2.4613

Chemical composition, mechanical and physical property values, and 16 standard designations from 3 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 16 in 3 regions	PROPERTY VALUES 10 on file
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Chemical composition

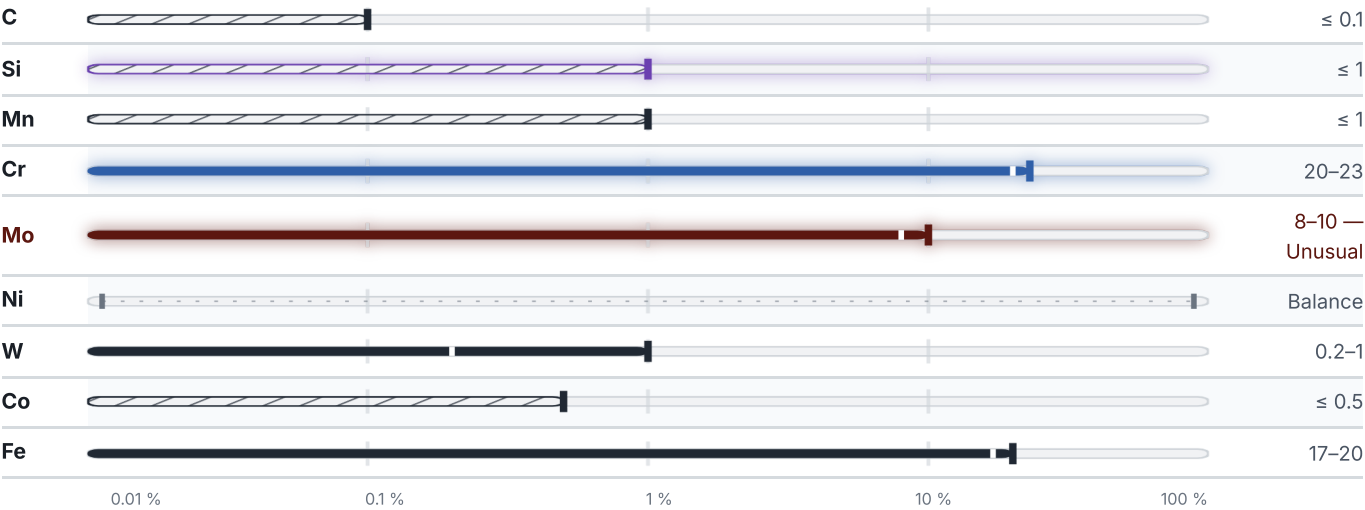
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 66.3 % ● Cr — 21.5 % ● Mo — 9 % ● Si — 1 % ● Traces & impurities · 2.2 %

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/cm³

Designations across standards

16 designations · 2 documented as identical

United States		9	United States / Aerospace		5
N06002	uns		5536		ams
B 572	astm		5587		ams
B 829	astm		5588		ams
B366	astm		5754		ams
B435	astm		5798		ams
B619	astm		Europe		2
B622	astm				
B751	astm		SG-NiCr21Fe18Mo	This grade's own name	din-en
B775	astm		SG-NiCrAlFe18Mo	This grade's own name	din-en

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 2.4613

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

MATERIAL NO.

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ISSUED

Aug 20, 2026