

MATERIAL NUMBER 1.4564 · CLASS 1.4

1.4564

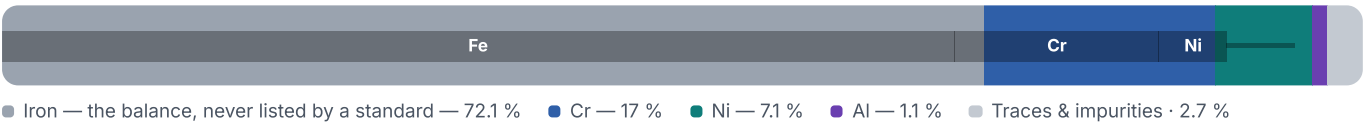
Chemical composition, mechanical and physical property values, and 15 standard designations from 2 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 15 in 2 regions	PROPERTY VALUES 10 on file
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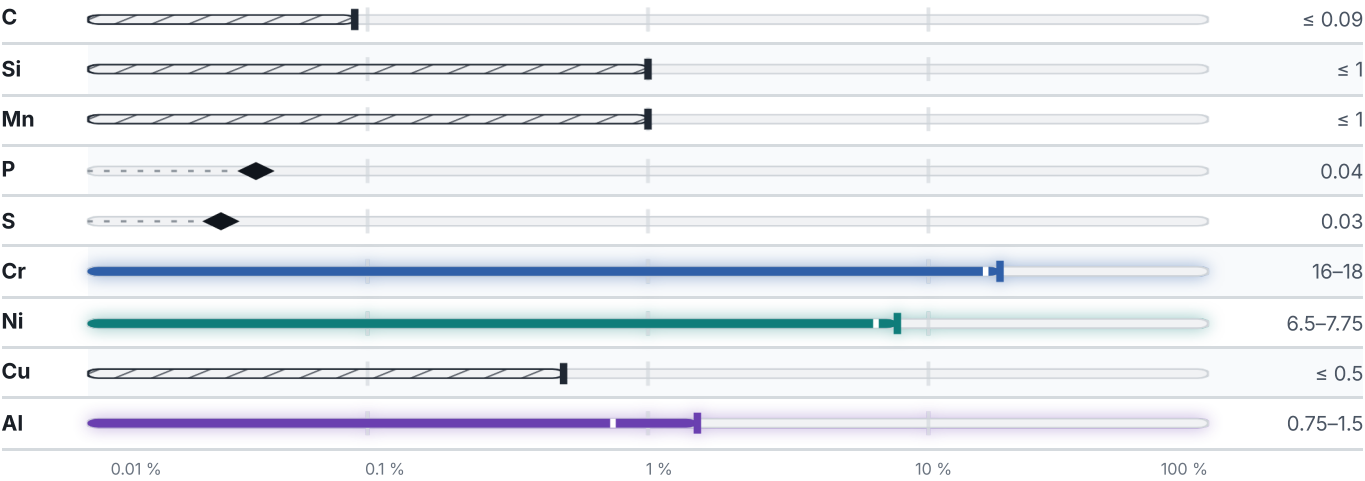
Chemical composition

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: Mo.

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

15 designations · 2 documented as identical

United States		9	United States / Aerospace		6
S17700	This grade's own name	uns	5528		ams
17-7PH		aisi-sae	5529		ams
631	This grade's own name	aisi-sae	5568		ams
A 313		astm	5644		ams
A 564		astm	5678		ams
A 564 Type 631		astm	5824		ams
A 579		astm			
A 693		astm			
A 705		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 1.4564

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	1.4564	Aug 20, 2026