

MATERIAL NUMBER 1.4548 · CLASS 1.4

1.4548

Chemical composition, mechanical and physical property values, and 21 standard designations from 3 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 21 in 3 regions	PROPERTY VALUES 10 on file
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Chemical composition

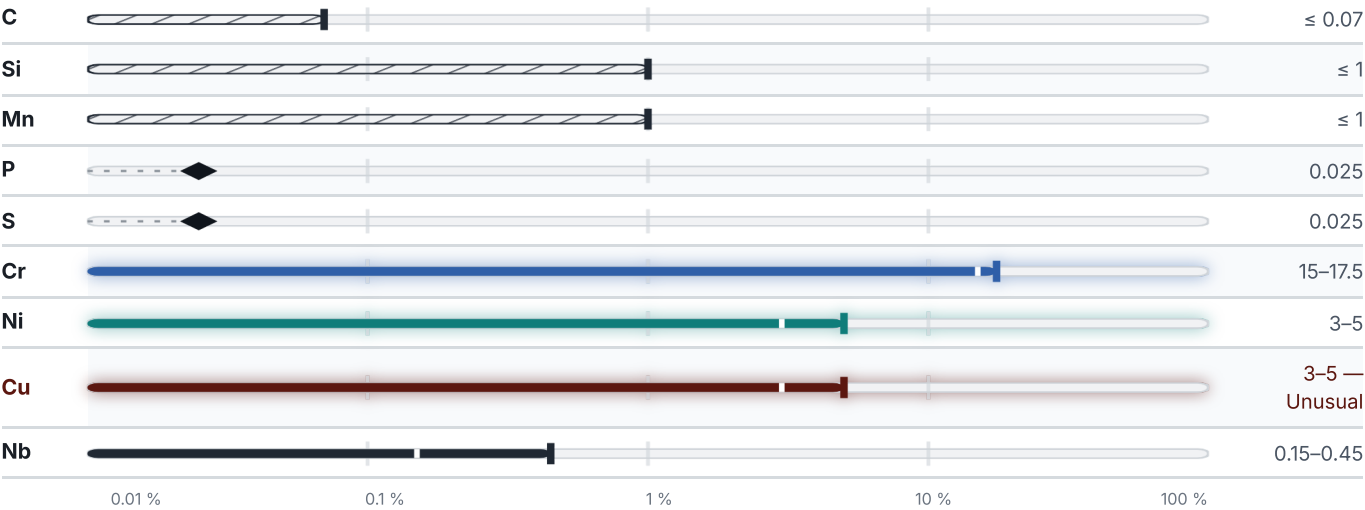
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 73.3 % ● Cr — 16.3 % ● Ni — 4 % ● Cu — 4 % ● Traces & impurities · 2.4 %

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

21 designations · 4 documented as identical

United States		15	United States / Aerospace		5
S17400	This grade's own name	uns	5604		ams
S17480	This grade's own name	uns	5622		ams
17-4PH		aisi-sae	5643		ams
630	This grade's own name	aisi-sae	5825		ams
A1028		astm	5827		ams
A564		astm			
A564 Type 630		astm	Europe		1
A693		astm	X5CrNiCuNb17-4-4	This grade's own name	din-en
A705		astm			
A982		astm			
F593		astm			
F594		astm			
F738		astm			
F836		astm			
F899		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 1.4548

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

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ISSUED

Aug 20, 2026