SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.4548 · CLASS 1.4

X5CrNiCuNb17-4-4

Material no. 1.4548

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

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.85 g/cm³	21 in 3 regions	10 on file

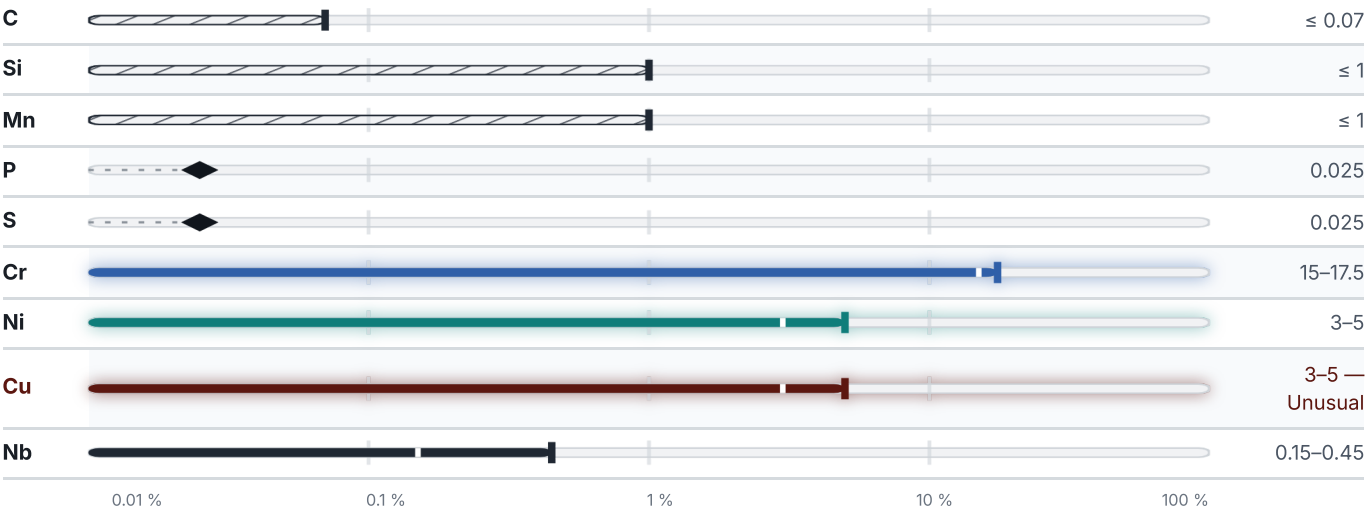
Chemical composition

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

S17400 This grade's own name	uns
S17480 This grade's own name	uns
17-4PH	aisi-sae
630 This grade's own name	aisi-sae
A1028	astm
A564	astm
A564 Type 630	astm
A693	astm
A705	astm
A982	astm
F593	astm
F594	astm
F738	astm
F836	astm
F899	astm

United States / Aerospace 5

5604	ams
5622	ams
5643	ams
5825	ams
5827	ams

Europe 1

X5CrNiCuNb17-4-4 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 X5CrNiCuNb17-4-4

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	1.4548	Aug 20, 2026