

MATERIAL NUMBER 1.4948 · CLASS 1.4

304 S 51

Material no. 1.4948

also listed as X6CrNi18-10

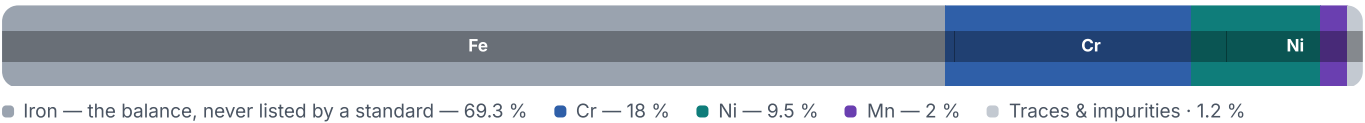
Chemical composition, mechanical and physical property values, and 17 standard designations from 7 regions.

DENSITY 7.9 g/cm³	OTHER DESIGNATIONS 17 in 7 regions	PROPERTY VALUES 9 on file
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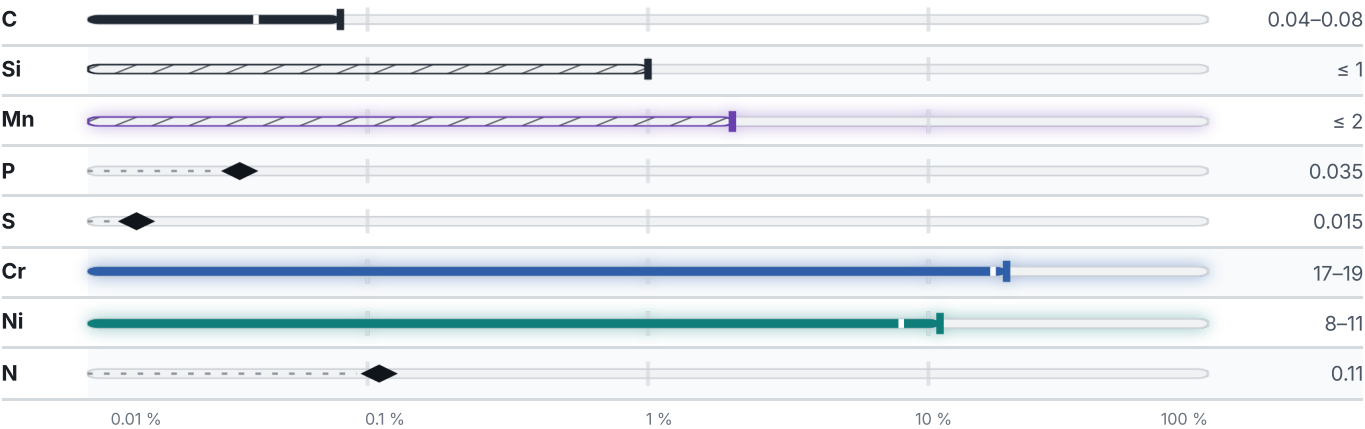
Chemical composition

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	7.9	g/cm³

Designations across standards

17 designations · 6 documented as identical

United States	6	United Kingdom	3
S30409	This grade's own name uns	304 S 50	bs
S30480	This grade's own name uns	304 S 51	bs
304H	This grade's own name aisi-sae	801 grade A	bs
S30409	aisi-sae		
S30480	aisi-sae	Japan	2
TP304H	astm	SUS 302	jis
		SUS304H	jis
Europe	3		
X6CrNi18-10	This grade's own name din-en	France	1
X6CrNi18-11	This grade's own name din-en	Z6CN18-09	afnor
X7CrNi18-9	This grade's own name din-en		
		International	1
		X7CrNi18-9	iso
		Russia / CIS	1
		08KH18N10	gost

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 304 S 51

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	1.4948	Aug 20, 2026