

MATERIAL NUMBER 1.4950 · CLASS 1.4

1.4950

Chemical composition, mechanical and physical property values, and 32 standard designations from 6 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 32 in 6 regions	PROPERTY VALUES 9 on file
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Chemical composition

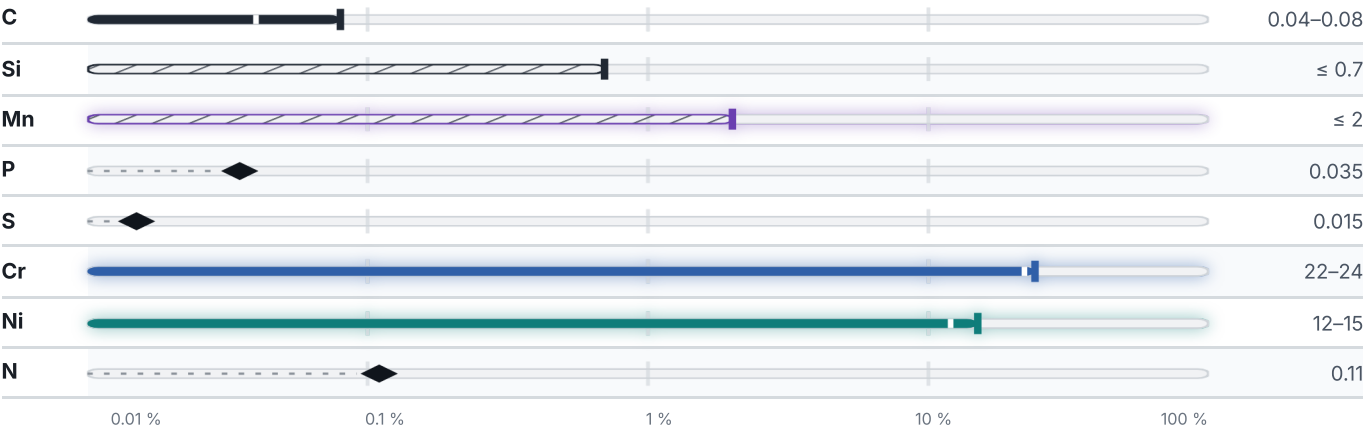
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 60.6 % ● Cr — 23 % ● Ni — 13.5 % ● Mn — 2 % ● Traces & impurities · 0.9 %

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

32 designations · 5 documented as identical

United States		24	United States / Aerospace		4
S30908	This grade's own name	uns	5523		ams
S30909	This grade's own name	uns	5574		ams
30309S		aisi-sae	5650		ams
309H	This grade's own name	aisi-sae	7490		ams
309S	This grade's own name	aisi-sae			
A1012		astm	Europe		1
A213		astm	X6CrNi23-13	This grade's own name	din-en
A240		astm			
A249		astm	International		1
A276		astm	X6CrNi23-14		iso
A312		astm			
A314		astm	Japan		1
A358		astm	SUS 309S		jis
A409		astm			
A473		astm	China		1
A478		astm	0Cr23Ni13		gb
A479		astm			
A511		astm			
A554		astm			
A580		astm			
A813		astm			
A814		astm			
A924		astm			
A943		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 1.4950

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