SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.4501 · CLASS 1.4

S32760

Material no. 1.4501

also listed as X2CrNiMoCuWN25-7-4

Chemical composition, mechanical and physical property values, and 36 standard designations from 7 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.9 g/cm³	36 in 7 regions	12 on file

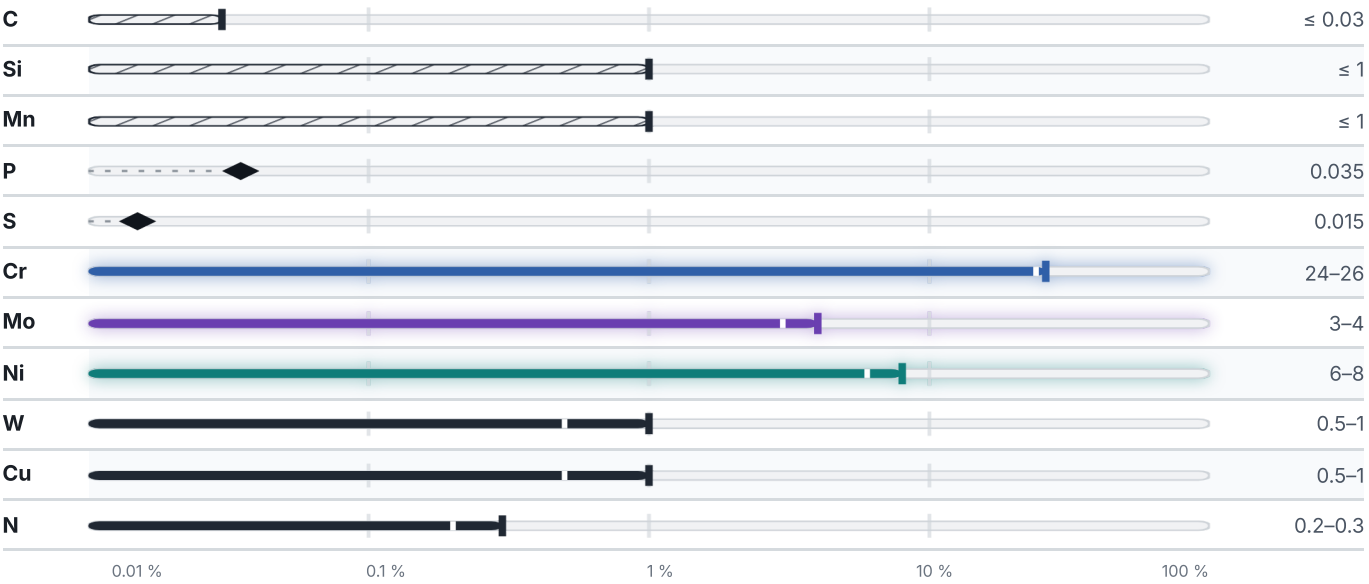
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 60.7 % · Cr — 25 % · Ni — 7 % · Mo — 3.5 % · Traces & impurities · 3.8 %

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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties

2 values across 2 conditions

SOFT ANNEALED	HB
Soft annealed	290

SOLUTION ANNEALED	HB
Solution annealed	310

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.9	g/cm³

Designations across standards

36 designations · 3 documented as identical

United States 26

S32750 This grade's own name	uns
S32760 This grade's own name	uns
S32750	aisi-sae
S32760	aisi-sae
2507	astm
25Cr-7Ni-Mo-N	astm
A 781 Grade 6A	astm
A182	astm
A182 F55	astm
A240	astm
A276	astm
A276 F55	astm
A314	astm
A473	astm
A479	astm
A479 F55	astm
A790	astm
A815	astm
CD3MWCuN	astm
F53	astm
F55	astm
J93380	astm
S32750	astm
S32760	astm
S39275	astm
S39276	astm

Russia / CIS 4

02Ch25N7M3	gost
02Ch25N7M4	gost
02X25H7M3	gost
02X25H7M4	gost

France 2

Z3CND25.06Az	afnor
Z3CNDU25-06AZ	afnor

Europe 1

X2CrNiMoCuWN25-7-4 This grade's own name	din-en

International 1

CrNiMo25-7-4	iso

Italy 1

329S	uni

Czechia 1

42 2942	csn

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 S32760

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	1.4501	Aug 20, 2026