

MATERIAL NUMBER 1.4410 · CLASS 1.4

A182 F53

Material no. 1.4410

also listed as X2CrNiMoN25-7-4

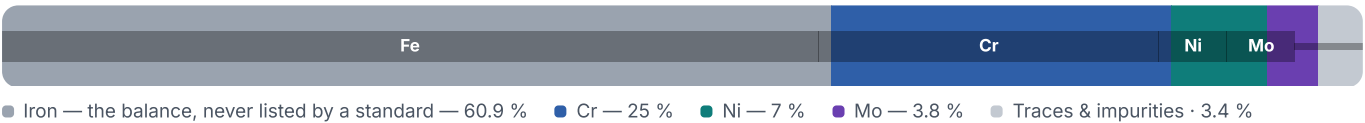
Chemical composition, mechanical and physical property values, and 28 standard designations from 8 regions.

DENSITY 7.8 g/cm³	OTHER DESIGNATIONS 28 in 8 regions	PROPERTY VALUES 10 on file
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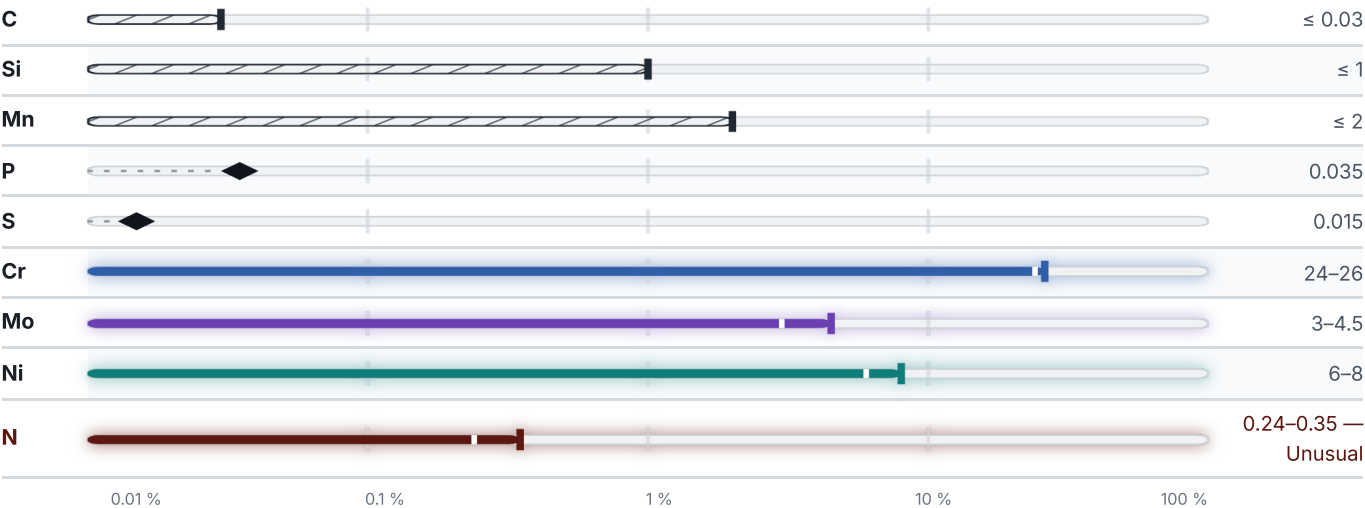
Chemical composition

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

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	7.8	g/cm³

Designations across standards

28 designations · 2 documented as identical

United States	16	France	3
S32750 This grade's own name	uns	Z3CND25-06Az	afnor
S32750	aisi-sae	Z3CND25.07Az	afnor
2507	astm	Z3CNDU25-06AZ	afnor
25Cr-7Ni-Mo-N	astm		
A 781 Grade 6A	astm	Europe	1
A182 F53	astm	X2CrNiMoN25-7-4 This grade's own name	din-en
A276 F53	astm		
A479 F53	astm	International	1
CD3MWCuN	astm	CrNiMo25-7-4	iso
F53	astm		
F55	astm	Italy	1
J93380	astm	329S	uni
S32750	astm		
S32760	astm	Sweden	1
S39275	astm	2328	ss
S39276	astm		
Russia / CIS	4	Czechia	1
02Ch25N7M3	gost	42 2942	csn
02Ch25N7M4	gost		
02X25H7M3	gost		
02X25H7M4	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 A182 F53

Quotation, availability, mill certificate or a technical question — directly on the material page.

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DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026