

MATERIAL NUMBER 1.4024 · CLASS 1.4

F.3415

Material no. 1.4024

also listed as X15Cr13

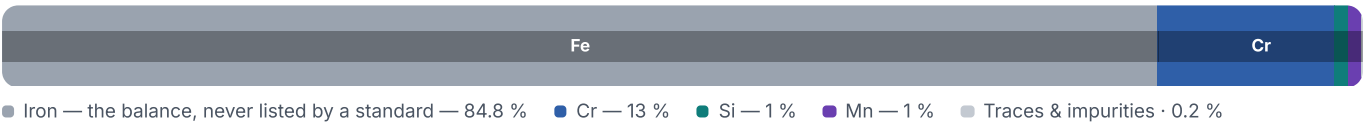
Chemical composition, mechanical and physical property values, and 64 standard designations from 12 regions.

DENSITY 7.7 g/cm ³	OTHER DESIGNATIONS 64 in 12 regions	PROPERTY VALUES 7 on file
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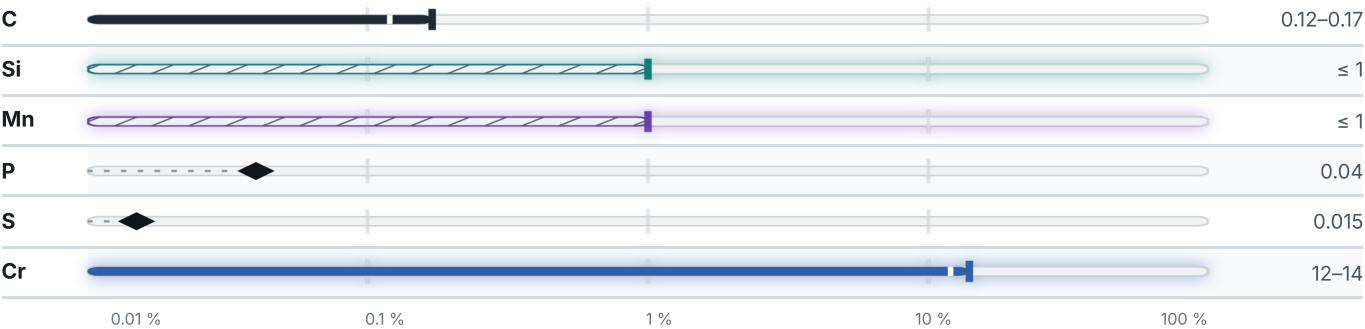
Chemical composition

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: Ni, Mo.

Mechanical properties

5 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A %	Z %	AK J/cm ²
Bars/Rods	690	490	20	60	98

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm ³

Designations across standards

64 designations · 3 documented as identical

United States		34	United States / Aerospace		12
Grade 410		uns	5350		ams
S41000	This grade's own name	uns	5504		ams
403		aisi-sae	5505		ams
410	This grade's own name	aisi-sae	5591		ams
51410		aisi-sae	5609		ams
A1012		astm	5611		ams
A1021		astm	5612		ams
A1028		astm	5613		ams
A1049		astm	5614		ams
A176		astm	5776		ams
A182		astm	5777		ams
A193		astm	5876		ams
A194		astm	United Kingdom		4
A240		astm	410S21		bs
A268		astm	420 S 29		bs
A276		astm	AMI 4006		bs
A314		astm	En 56 B		bs
A336		astm	Spain		3
A473		astm	F-3401		une
A479		astm	F.3415		une
A493		astm	X 10 Cr 13		une
A511		astm	Russia / CIS		3
A580		astm	12Ch13		gost
A815		astm	12H13		gost
A837		astm	12Kh13		gost
A988		astm	Japan		2
F1613		astm	SUS 410 J1		jis
F2215		astm	SUS 410J1FB		jis
F2281		astm	Europe		1
F593		astm	X15Cr13	This grade's own name	din-en
F594		astm			
F738		astm			
F899		astm			
Grade 410		astm			

International	1	Brazil	1
X12Cr13E	iso	410	abnt
Czechia	1	Serbia	1
17021	csn	Č.4171	srps
Poland	1		
1H13	pn		

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 F.3415

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	1.4024	Aug 20, 2026