

MATERIAL NUMBER 1.4024 · CLASS 1.4

1.4024

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

DENSITY 7.7 g/cm³	OTHER DESIGNATIONS 64 in 12 regions	PROPERTY VALUES 7 on file
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Chemical composition

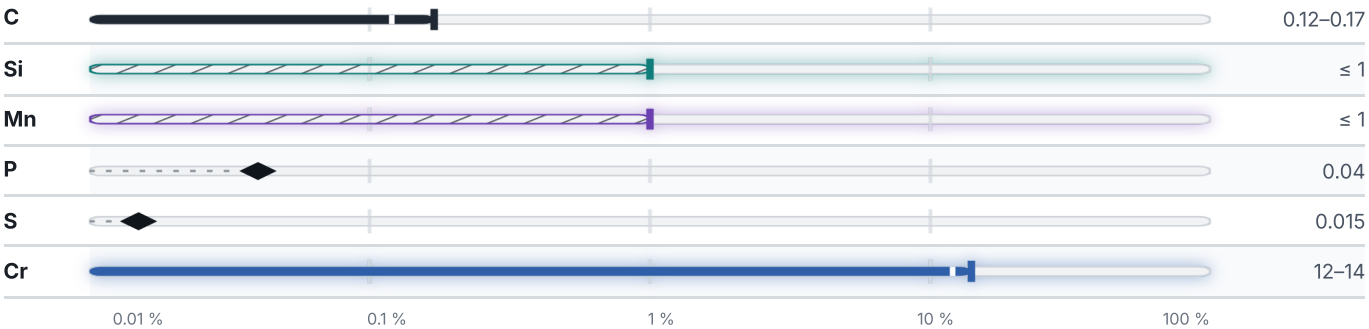
Mass fraction in %

What this alloy is



Iron — the balance, never listed by a standard — 84.8 % Cr — 13 % Si — 1 % Mn — 1 % Traces & impurities · 0.2 %

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/mm²	RE N/mm²	A %	Z %	AK J/cm²
Bars/Rods	690	490	20	60	98

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm³

Designations across standards

64 designations · 3 documented as identical

United States34		United States / Aerospace12	
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		
A240	astm	United Kingdom4	
A268	astm	410S21	bs
A276	astm	420 S 29	bs
A314	astm	AMI 4006	bs
A336	astm	En 56 B	bs
A473	astm		
A479	astm	Spain3	
A493	astm	F-3401	une
A511	astm	F.3415	une
A580	astm	X 10 Cr 13	une
A815	astm		
A837	astm	Russia / CIS3	
A988	astm	12Ch13	gost
F1613	astm	12H13	gost
F2215	astm	12Kh13	gost
F2281	astm		
F593	astm	Japan2	
F594	astm	SUS 410 J1	jis
F738	astm	SUS 410J1FB	jis
F899	astm		
Grade 410	astm	Europe1	
		X15Cr13 This grade's own name	din-en
		International1	
		X12Cr13E	iso
		Czechia1	
		17021	csn

Poland	1	Serbia	1
1H13	pn	Č.4171	srps
Brazil	1		
410	abnt		

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 1.4024
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	MATERIAL NO. 1.4024	ISSUED Aug 20, 2026
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