

MATERIAL NUMBER 1.4315 · CLASS 1.4

1.4315

Chemical composition, mechanical and physical property values, and 26 standard designations from 4 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 26 in 4 regions	PROPERTY VALUES 9 on file
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Chemical composition

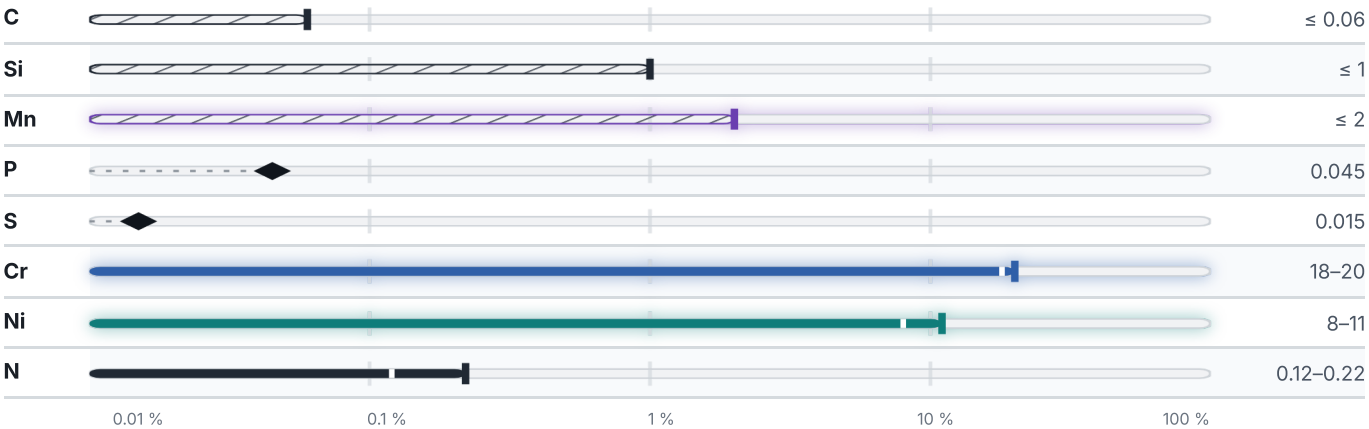
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 68.2 % ● Cr — 19 % ● Ni — 9.5 % ● Mn — 2 % ● Traces & impurities · 1.3 %

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.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	215

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

26 designations · 3 documented as identical

United States	23	Europe	1
S30451 This grade's own name	uns	X5CrNiN19-9 This grade's own name	din-en
304N This grade's own name	aisi-sae		
A1012	astm	Japan	1
A182	astm	SUS 304N1	jis
A193	astm		
A194	astm	China	1
A213	astm	0Cr19Ni9N	gb
A240	astm		
A249	astm		
A276	astm		
A312	astm		
A358	astm		
A376	astm		
A403	astm		
A479	astm		
A666	astm		
A688	astm		
A813	astm		
A814	astm		
A924	astm		
A943	astm		
A965	astm		
A988	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 1.4315

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

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ISSUED

Aug 20, 2026