

MATERIAL NUMBER 1.4389 · CLASS 1.4

1.4389

Chemical composition, mechanical and physical property values, and 12 standard designations from 3 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 12 in 3 regions	PROPERTY VALUES 9 on file
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Chemical composition

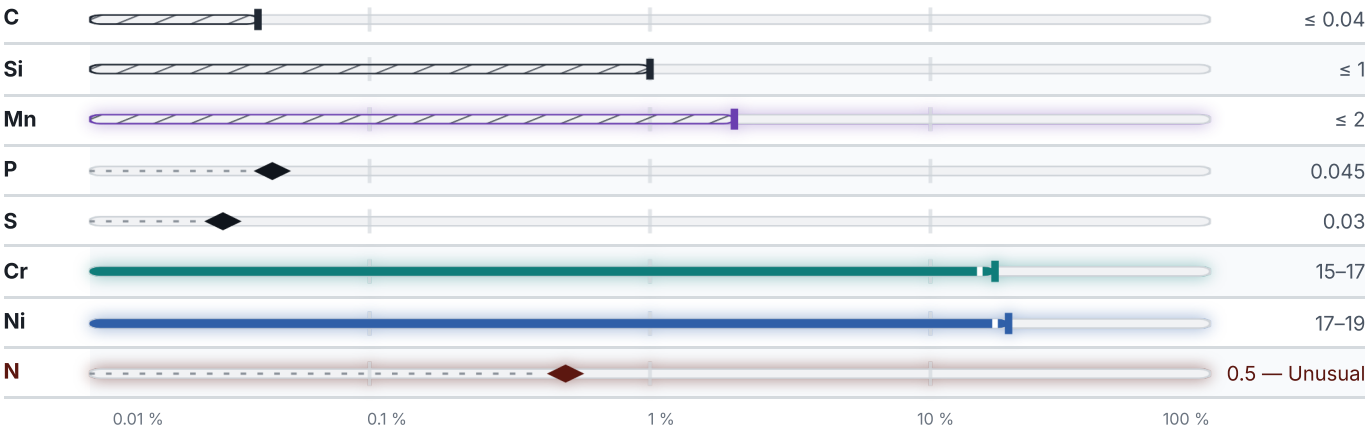
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 62.4 % ● Ni — 18 % ● Cr — 16 % ● Mn — 2 % ● Traces & impurities · 1.6 %

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

3 values across 1 conditions

CONDITION · DIMENSION	RM N/mm ²	A %	Z %
Wires	460–690	20–25	65

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

12 designations · 3 documented as identical

United States10		Europe1	
S38400	This grade's own nameuns	X3NiCr18-16	This grade's own namedin-en
30384	aisi-sae		
384	This grade's own nameaisi-sae	Japan1	
A493	astm	SUS384	jis
F593	astm		
F594	astm		
F738	astm		
F837	astm		
F879	astm		
F880	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 1.4389

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.

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ISSUED

Aug 20, 2026