

MATERIAL NUMBER 1.5715 · CLASS 1.5

SS2511

Material no. 1.5715

also listed as 16NiCrS4

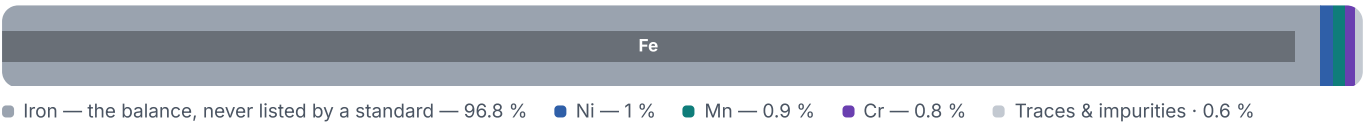
Chemical composition, mechanical and physical property values, and 13 standard designations from 8 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 13 in 8 regions	PROPERTY VALUES 8 on file
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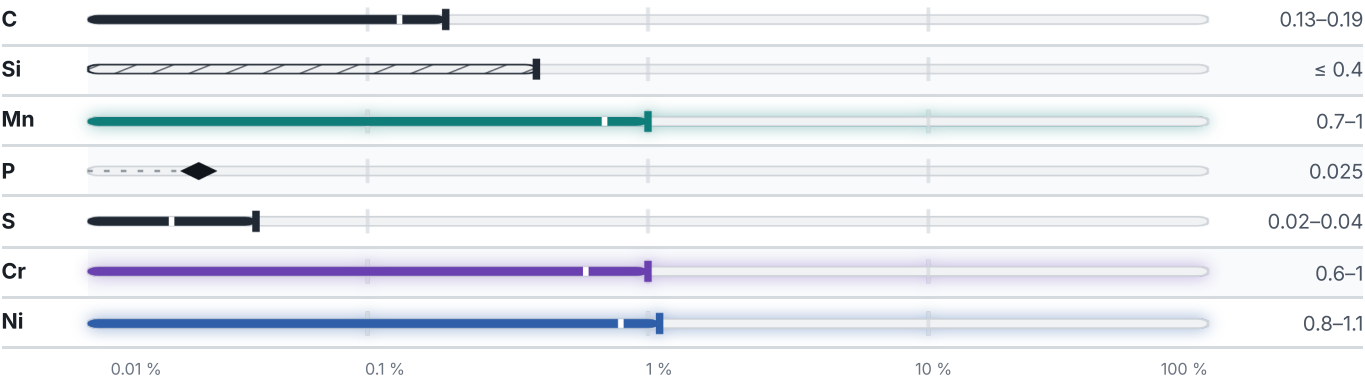
Chemical composition

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: Mo.

Mechanical properties

4 values across 4 conditions

TREATED TO IMPROVE SHEARABILITY	HB
Treated to improve shearability	255
SOFT ANNEALED	HB
Soft annealed	217
TREATED TO HARDNESS RANGE	HB
Treated to hardness range	166–217
TREATED TO FERRITE-PEARLITE STRUCTURE AND HARDNESS RANGE	HB
Treated to ferrite-pearlite structure and hardness range	156–207

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm³

Designations across standards

13 designations · 1 documented as identical

Russia / CIS	4	Europe	1
18ChGN1	gost	16NiCrS4	This grade's own name din-en
18KhGN1	gost		
19ChGN	gost	United States	1
19KhGN	gost	3115	aisi-sae
Italy	2	United Kingdom	1
16CrNi4	uni	637H17	bs
16NiCrS4	uni		
		Sweden	1
Poland	2	SS2511	ss
15HGN	pn		
17HGN	pn	Czechia	1
		16 121	csn

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 SS2511

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

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026