

MATERIAL NUMBER 1.4105 · CLASS 1.4

1.4105

Chemical composition, mechanical and physical property values, and 25 standard designations from 9 regions.

DENSITY 7.7 g/cm³	OTHER DESIGNATIONS 25 in 9 regions	PROPERTY VALUES 8 on file
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Chemical composition

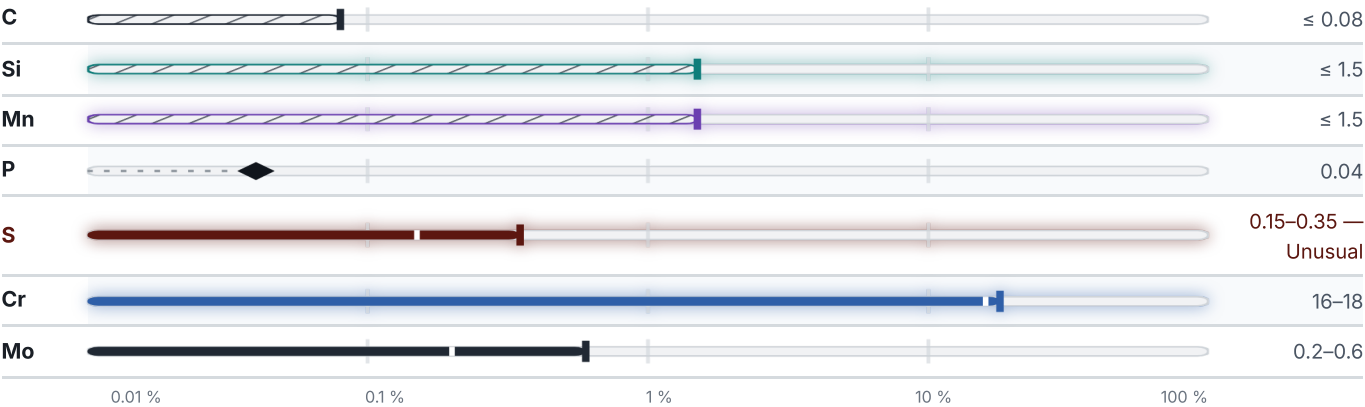
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 79.2 % ● Cr — 17 % ● Si — 1.5 % ● Mn — 1.5 % ● Traces & impurities · 0.8 %

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.

Mechanical properties

1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	200

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm ³

Designations across standards

25 designations · 2 documented as identical

United States		15	France	2
S43020	uns		Z13CF17	afnor
430F	aisi-sae		Z8CF17	afnor
51430F	aisi-sae			
S43020	aisi-sae		Spain	1
A314	astm		F.3114	une
A473	astm			
A581	astm		Japan	1
A582	astm		SUS 430F	jis
A895	astm			
F2281	astm		China	1
F593	astm		Y1Cr17	gb
F594	astm			
F738	astm		Italy	1
F836	astm		X10CrS17	uni
F899	astm			
			Serbia	1
Europe		2	Č.4770.1	srps
X4CrMoS18	This grade's own name	din-en		
X6CrMoS17	This grade's own name	din-en	former Yugoslavia	1
			Č.47701	jus

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 1.4105

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

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ISSUED

Aug 20, 2026