

MATERIAL NUMBER 1.4113 · CLASS 1.4

F.3116

Material no. 1.4113

also listed as X6CrMo17-1

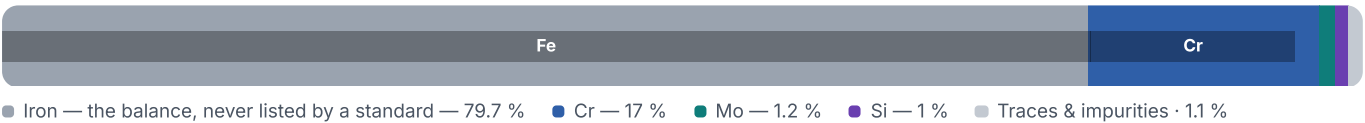
Chemical composition, mechanical and physical property values, and 15 standard designations from 9 regions.

DENSITY 7.7 g/cm ³	OTHER DESIGNATIONS 15 in 9 regions	PROPERTY VALUES 8 on file
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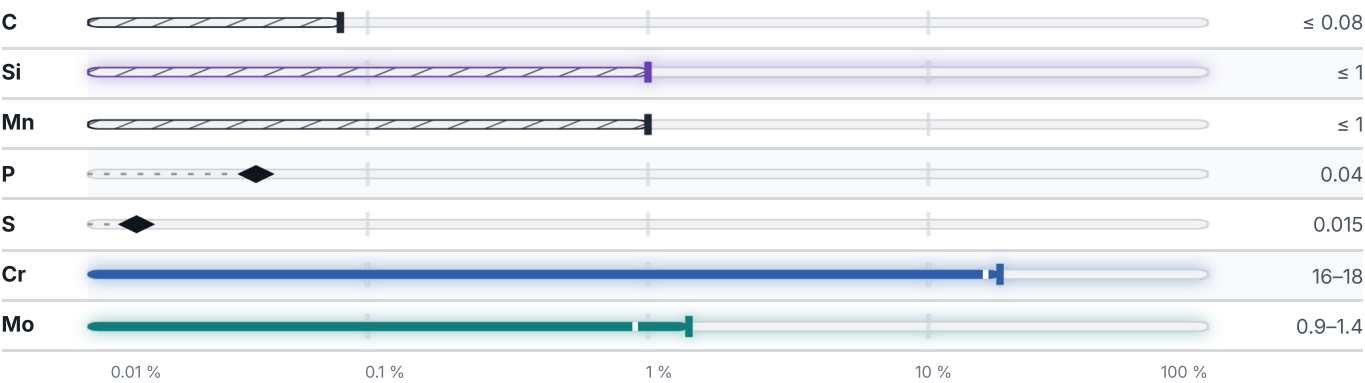
Chemical composition

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: Ni.

Mechanical properties

7 values across 2 conditions

CONDITION · DIMENSION	RM N/mm ²	RE N/mm ²	A %	HB	HRB	HV
Plate/Sheet Hot-rolled	450	205	22	–	–	–
Hot-rolled	–	–	–	183	88	200
SOFT ANNEALED						HB
Soft annealed						200

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm ³

Designations across standards

15 designations · 3 documented as identical

United States		5	France		1
S43400	This grade's own name	uns	Z8CD17-01		afnor
434	This grade's own name	aisi-sae	Spain		
51434		aisi-sae	F.3116		
S43400		aisi-sae	Japan		
A240		astm	SUS434		
Europe		3	China		
1.4113		din-en	1Cr17Mo		
X6CrMo17		din-en	Italy		
X6CrMo17-1	This grade's own name	din-en	X8CrMo17		
United Kingdom		1	Sweden		
434S17		bs	2325		

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 F.3116

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

Start an enquiry

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.4113	Aug 20, 2026