SteelEquivalents.com

Material datasheet
As of Aug 20, 2026

MATERIAL NUMBER 1.4113 · CLASS 1.4

2325

Material no. 1.4113

also listed as X6CrMo17-1

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

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.7 g/cm³	15 in 9 regions	8 on file

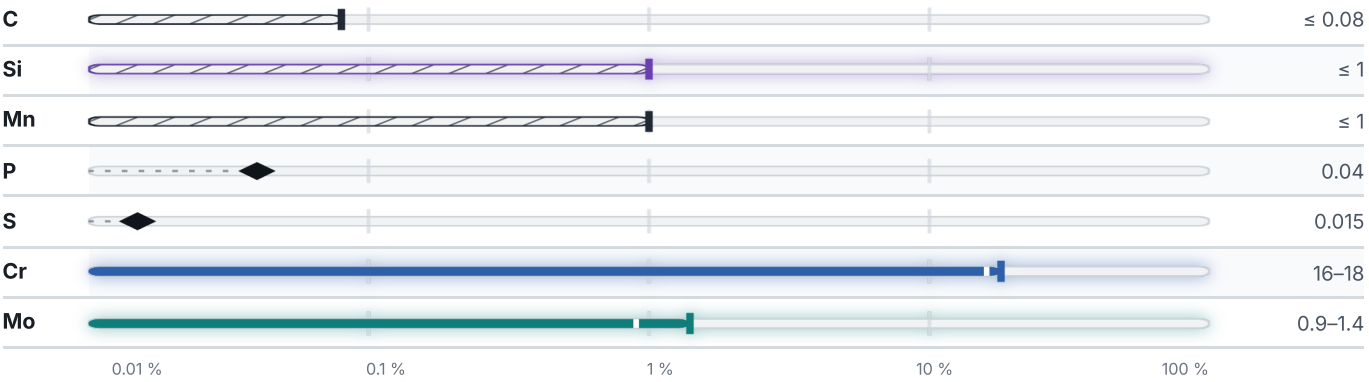
Chemical composition

Mass fraction in %

What this alloy is

Iron — the balance, never listed by a standard — 79.7 % · Cr — 17 % · Mo — 1.2 % · Si — 1 % · Traces & impurities · 1.1 %

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/mm²	RE N/mm²	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/cm³

Designations across standards

15 designations · 3 documented as identical

United States 5

S43400 This grade's own name	uns
434 This grade's own name	aisi-sae
51434	aisi-sae
S43400	aisi-sae
A240	astm

Europe 3

1.4113	din-en
X6CrMo17	din-en
X6CrMo17-1 This grade's own name	din-en

United Kingdom 1

434S17	bs

France 1

Z8CD17-01	afnor

Spain 1

F.3116	une

Japan 1

SUS434	jis

China 1

1Cr17Mo	gb

Italy 1

X8CrMo17	uni

Sweden 1

2325	ss

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.

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