

MATERIAL NUMBER 1.4113 · CLASS 1.4

S43400

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/cm³**OTHER DESIGNATIONS****15** in 9 regions**PROPERTY VALUES****8** on file

Chemical composition

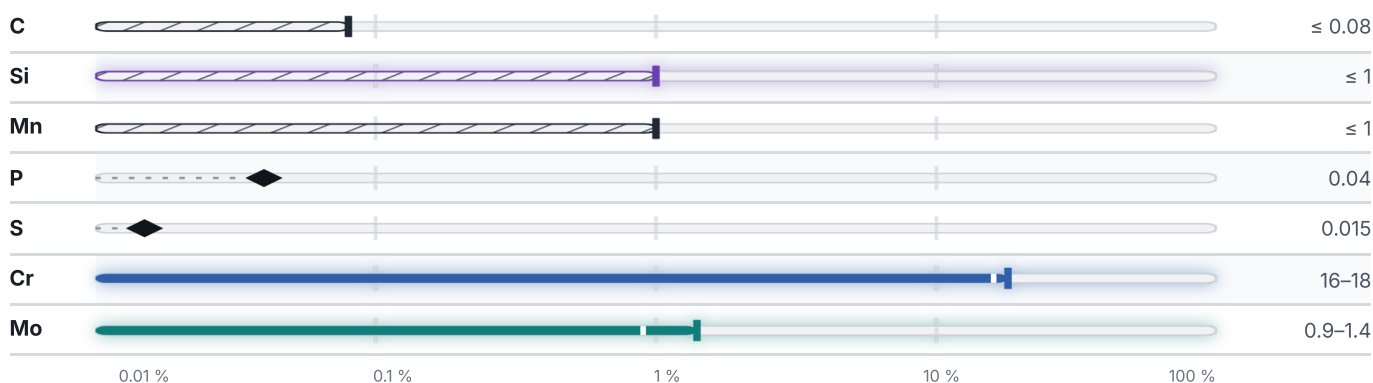
Mass fraction in %

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/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 States5		France1	
S43400	This grade's own nameuns	Z8CD17-01	afnor
434	This grade's own nameaisi-sae	Spain1	
51434	aisi-sae	F.3116	une
S43400	aisi-sae	Japan1	
A240	astm	SUS434	jis
Europe3		China1	
1.4113	din-en	1Cr17Mo	gb
X6CrMo17	din-en	Italy1	
X6CrMo17-1	This grade's own namedin-en	X8CrMo17	uni
United Kingdom1		Sweden1	
434S17	bs	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.

Enquiry about S43400

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

Start an enquiry