

MATERIAL NUMBER 1.4104 · CLASS 1.4

F.3117-X10CrS17

Material no. 1.4104

also listed as X12CrMoS17

Chemical composition, mechanical and physical property values, and 32 standard designations from 12 regions.

DENSITY	OTHER DESIGNATIONS	PROPERTY VALUES
7.7 g/cm ³	32 in 12 regions	8 on file

Chemical composition

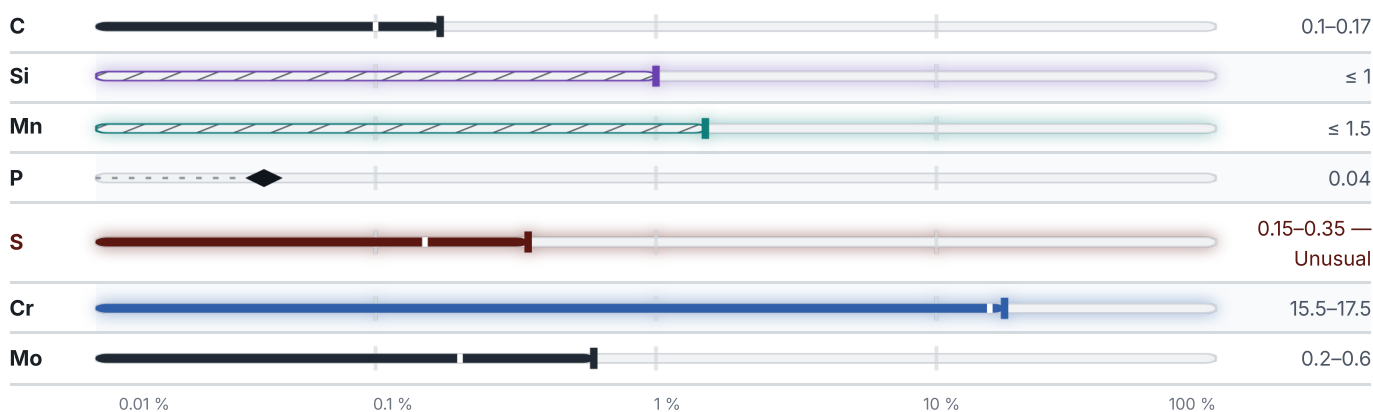
Mass fraction in %

What this alloy is



● Iron — the balance, never listed by a standard — 80.2 % ● Cr — 16.5 % ● Mn — 1.5 % ● Si — 1 % ● 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	220

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm ³

Designations across standards

32 designations · 2 documented as identical

United States		15	Spain		3
S43020		uns	F.3117		une
430F		aisi-sae	F.3117-X10CrS17		une
51430F		aisi-sae	F.3413		une
S43020		aisi-sae	United Kingdom		1
A314		astm	441 S 29		bs
A473		astm	Japan		1
A581		astm	SUS 430F		jis
A582		astm	China		1
A895		astm	Y1Cr17		gb
F2281		astm	Italy		1
F593		astm	X10CrS17		uni
F594		astm	Sweden		1
F738		astm	2383		ss
F836		astm	Czechia		1
F899		astm	17140		csn
Europe		3	Slovakia		1
1.4104		din-en	17 140		stn
X12CrMoS17	This grade's own name	din-en	Serbia		1
X14CrMoS17	This grade's own name	din-en	Č.4790		srps
France		3			
Z10CF17		afnor			
Z13CF17		afnor			
Z8CF17		afnor			

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.3117-X10CrS17

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

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ISSUED

Aug 20, 2026