

MATERIAL NUMBER 1.4361 · CLASS 1.4

F46

Material no. 1.4361

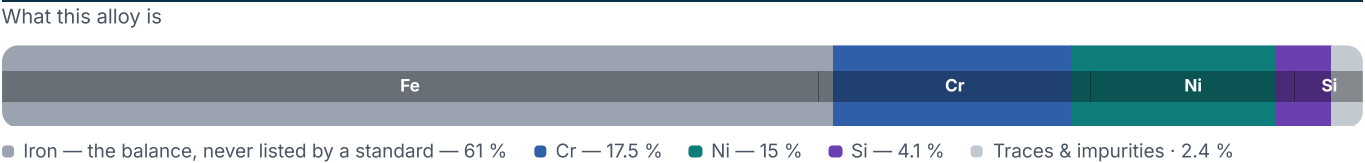
also listed as X 1 CrNiSi 18 15

Chemical composition, mechanical and physical property values, and 11 standard designations from 6 regions.

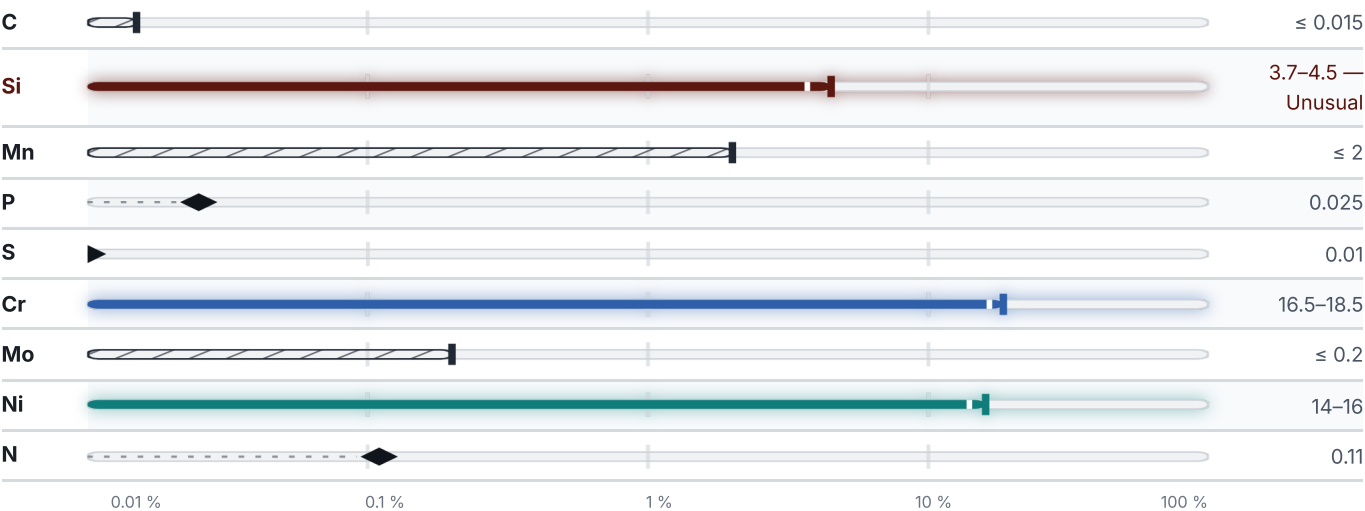
DENSITY 7.95 g/cm³	OTHER DESIGNATIONS 11 in 6 regions	PROPERTY VALUES 10 on file
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Chemical composition

Mass fraction in %



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

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no

transformation temperature is predicted here.

Mechanical properties1 values across 1 conditions

SOFT ANNEALED	HB
Soft annealed	230

Physical properties1 values

PROPERTY	VALUE	UNIT
Density	7.95	g/cm³

Heat treatment1 regimes

STEP	TEMPERATURE	MEDIUM
Quenching	1100–1150 °C	Water

Designations across standards11 designations · 3 documented as identical

United States	4	Japan	2
S30600 This grade's own name	uns	SUS XM15J1	jis
306	aisi-sae	SUS XM15J1TB	jis
S30600	aisi-sae		
F46	astm	France	1
		Z1CNS17-15	afnor
Europe	2	Hungary	1
X 1 CrNiSi 18 15 This grade's own name	din-en	KO43ELC	msz
X1CrNiSi18-15-4 This grade's own name	din-en		
		South Korea	1
		XM15J1	ks

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 F46

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	1.4361	Aug 20, 2026