

MATERIAL NUMBER 1.4362 · CLASS 1.4

F68

Material no. 1.4362

also listed as X2CrNiN23-4

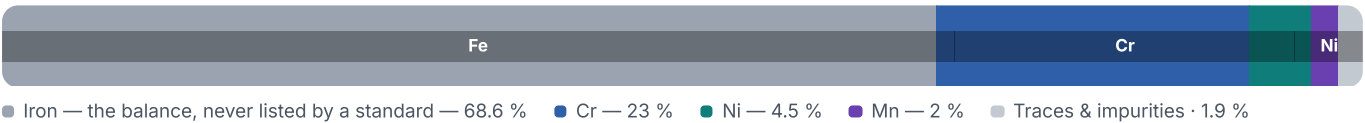
Chemical composition, mechanical and physical property values, and 14 standard designations from 6 regions.

DENSITY 7.9 g/cm³	OTHER DESIGNATIONS 14 in 6 regions	PROPERTY VALUES 11 on file
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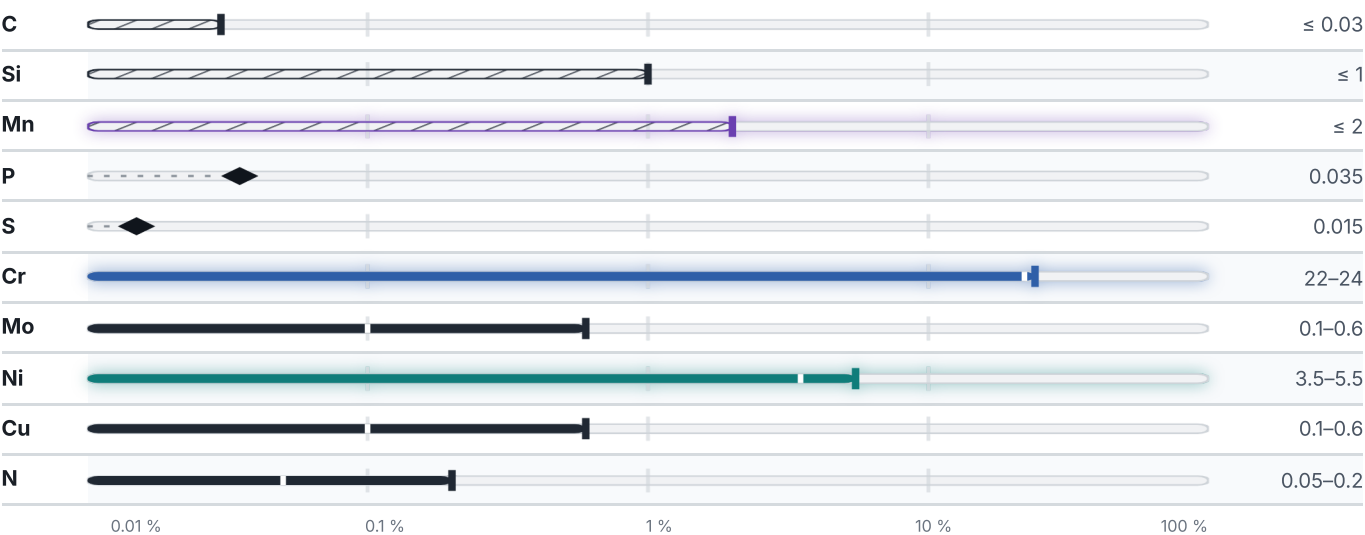
Chemical composition

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

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 properties5 values across 3 conditions

SOFT ANNEALED			HB
Soft annealed			260
CONDITION · DIMENSION	RM N/mm²	RE N/mm²	A5 %
Sheet trick, GOST 7350-77	590	345	25
SOLUTION ANNEALED			HB
Solution annealed			290

Physical properties1 values

PROPERTY	VALUE	UNIT
Density	7.9	g/cm³

Heat treatment1 regimes

STEP	TEMPERATURE	MEDIUM
Solution annealing	Temperature not stated	—

Designations across standards14 designations · 4 documented as identical

United States		4	France		2
F68		uns	Z2CN23-04AZ	This grade's own name	afnor
S32304	This grade's own name	uns	Z3CN23-04Az		afnor
S39230		uns	Russia / CIS		
S32304		aisi-sae			
China		3	03KH23N6		gost
00Cr23Ni4N		gb	03X23H6		gost
022Cr23Ni4MoCuN		gb	Sweden		
S23043		gb	2327		ss
			SIS 2327	This grade's own name	ss
			Europe		
			X2CrNiN23-4	This grade's own name	din-en

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 F68

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

[Start an enquiry](#)

DATASHEET ONLINE

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GRADE SEARCH

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ISSUED

Aug 20, 2026