

MATERIAL NUMBER 1.4713 · CLASS 1.4

Z8CA7

Material no. 1.4713

also listed as X10CrAl7

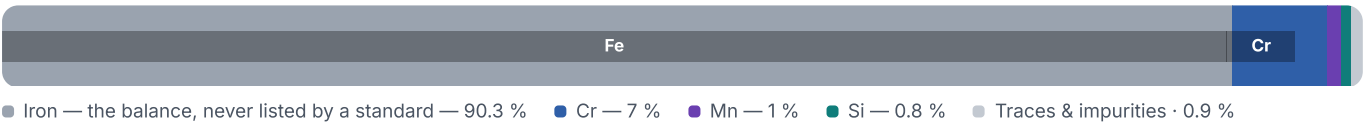
Chemical composition, mechanical and physical property values, and 14 standard designations from 8 regions.

DENSITY 7.7 g/cm³	OTHER DESIGNATIONS 14 in 8 regions	PROPERTY VALUES 8 on file
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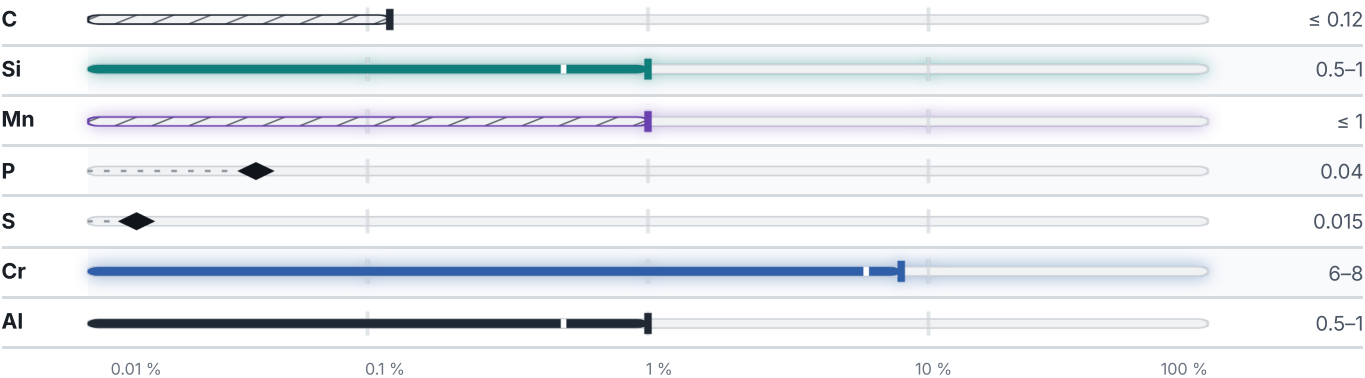
Chemical composition

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

Not enough recorded composition to predict a transformation temperature for this grade — missing: Ni, Mo.

Mechanical properties

5 values across 2 conditions

SOFT ANNEALED				HB
Soft annealed				192
CONDITION · DIMENSION	RM N/mm²	RE N/mm²	A5 %	Z %
Bar, GOST 5949-75	440	245	20	40

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.7	g/cm³

Designations across standards

14 designations · 2 documented as identical

Russia / CIS	6	Italy	1
10X17CЮ	gost	X7AL	uni
15KH6SYU	gost	Czechia	1
15X6CЮ	gost	17113	csn
Sv-10Kh17T	gost	Slovakia	1
X6CЮ	gost	17 113	stn
ЭИ428	gost	Serbia	1
Europe	2	Č.4974	srps
X10CrAl7 This grade's own name	din-en	Poland	1
X10CrAlSi7 This grade's own name	din-en	H6S2	pn
France	1		
Z8CA7	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 Z8CA7

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	1.4713	Aug 20, 2026