

MATERIAL NUMBER 1.1620 · CLASS 1.1

C 0.70

Material no. 1.1620

also listed as C70W2

Chemical composition, mechanical and physical property values, and 26 standard designations from 15 regions.

DENSITY

7.85 g/cm³

OTHER DESIGNATIONS

26 in 15 regions

PROPERTY VALUES

6 on file

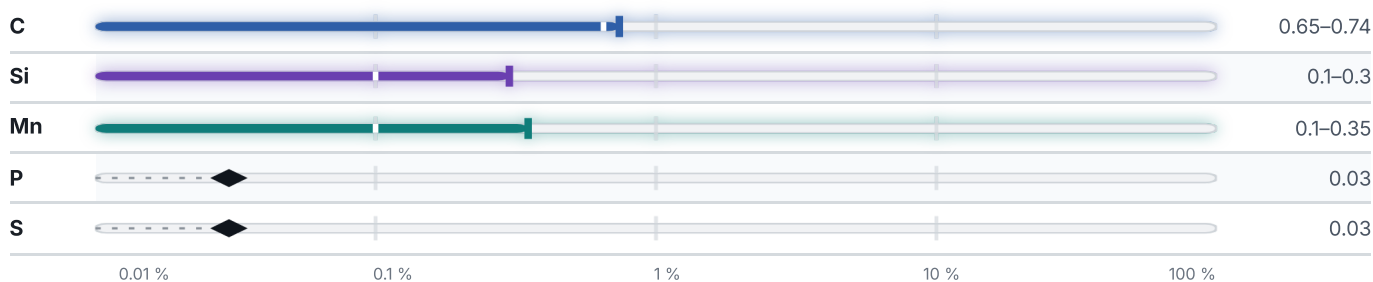
Chemical composition

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, Cr, Mo.

Mechanical properties

2 values across 1 conditions

CONDITION · DIMENSION	HB	HRC
(SK7) Annealed	183	—

CONDITION · DIMENSION	HB	HRC
(SK7) Quenched and tempered	–	56

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

26 designations · 1 documented as identical

France	3	Poland	2
C70E2U	afnor	N7	pn
XC65	afnor	N7E	pn
Y1-70	afnor		
Japan	3	Hungary	2
SK6	jis	S71	msz
SK65	jis	S72	msz
SK7	jis		
Russia / CIS	3	Europe	1
U7	gost	C70W2	This grade's own name din-en
U7A	gost	China	1
Y7	gost	T7	gb
United States	2	Italy	1
C 0.70	aisi-sae	C70KU	uni
W 1	aisi-sae	Serbia	1
International	2	Č.1740	srps
C70U	iso	Romania	1
C70W1	iso	OSC7	stas
Czechia	2	Bulgaria	1
19 132	csn	U7	bds
19133	csn	Austria	1
		K970	onorm

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 C 0.70

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

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ISSUED

Aug 20, 2026