

MATERIAL NUMBER 1.2713 · CLASS 1.2

BH224

Material no. 1.2713

also listed as 55NiCrMoV6

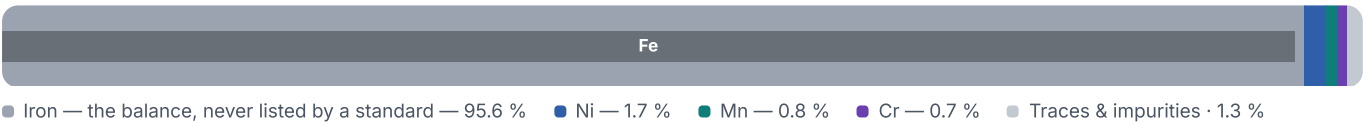
Chemical composition, mechanical and physical property values, and 21 standard designations from 12 regions.

DENSITY 7.85 g/cm ³	OTHER DESIGNATIONS 21 in 12 regions	PROPERTY VALUES 10 on file
--	---	--------------------------------------

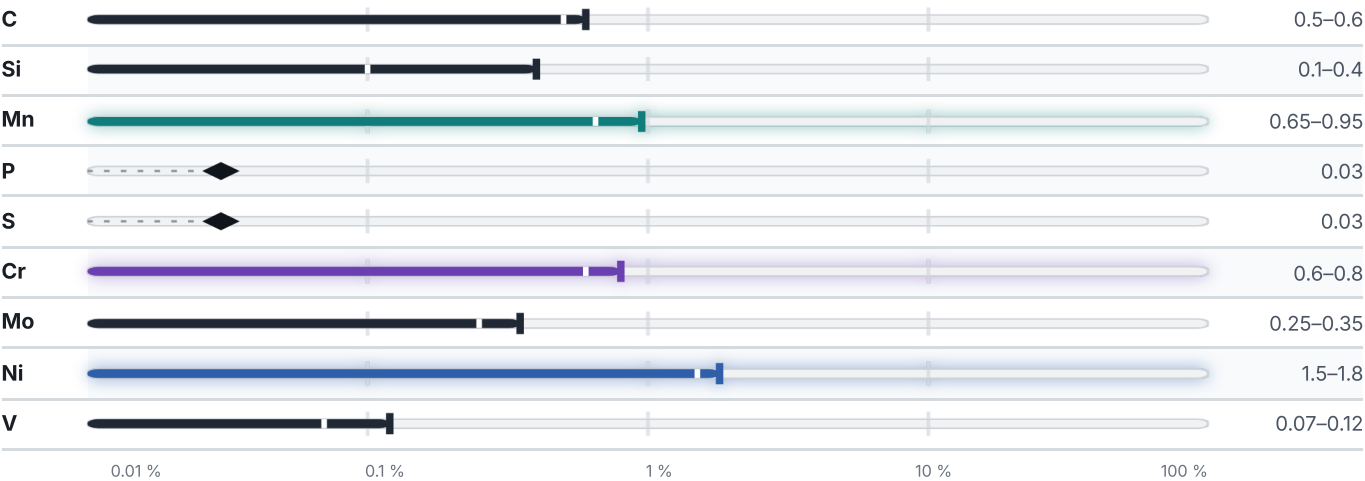
Chemical composition

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

computed from composition · °C

PREDICTED AE3 718 °C	PREDICTED AE1 711 °C	PREDICTED ACM 701 °C	PREDICTED BS 500 °C
--------------------------------	--------------------------------	--------------------------------	-------------------------------

Mechanical properties

2 values across 1 conditions

CONDITION · DIMENSION	HB	HRC
Annealed	207	–
Quenched and tempered	–	45

Physical properties

1 values

PROPERTY	VALUE	UNIT
Density	7.85	g/cm ³

Designations across standards

21 designations · 3 documented as identical

Poland	3	International	2
WNL	pn	55NiCrMoV7	iso
WNL1	pn	56NiCrMoV7	iso
WNLV	pn		
Europe	2	Japan	2
1.2713	din-en	SKS51	jis
55NiCrMoV6 This grade's own name	din-en	SKT4	jis
United States	2	Russia / CIS	2
T61206 This grade's own name	uns	5ChNM	gost
L6 This grade's own name	aisi-sae	5XHM	gost
United Kingdom	2	France	1
BH224	bs	55NCDV7	afnor
BH224/5	bs	China	1
Spain	2	5CrNiMo	gb
F.520.S	une	Czechia	1
F.528	une	19662	csn
		Serbia	1
		Č.5741	srps

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 BH224

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

[Start an enquiry](#)

DATASHEET ONLINE

[View the material page](#)

GRADE SEARCH

[Search all grades](#)

MATERIAL NO.

1.2713

ISSUED

Aug 20, 2026