

Database of Steel and Alloy (Marochnik)

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Characteristics for grade 9KH5VF (9X5BΦ).

Grade :	9KH5VF (9X5BΦ)
Classification :	Alloy tool steel
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Chemical composition in % for grade 9KH5VF (9X5BΦ)

C	Si	Mn	Ni	S	P	Cr	W	V	Cu
0.85 - 1	0.1 - 0.4	0.15 - 0.45	max 0.4	max 0.03	max 0.03	4.5 - 5.5	0.8 - 1.2	0.15 - 0.3	max 0.3

Temperature of critical points for grade 9KH5VF (9X5BΦ).

$Ac_1 = 815$, $Ac_3(Ac_m) = 830$, $Ar_1 = 755$, $Mn = 240$

Brinell hardness for 9KH5VF (9X5BΦ) (annealing), GOST 5950-2000	HB 10⁻¹ = 241 MPa
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Equivalent steels for grade 9KH5VF (9X5BΦ)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	Japan	France	England	European	Italy	Spain	China	Sweden	Poland	Czechia	Austria
-	DIN, WNr	JIS	AFNOR	BS	EN	UNI	UNE	GB	SS	PN	CSN	ONORM
A2 T30102	X100CrMoV5- 1	SKD12	X100CrMoV5 Z100CDV5	BA2	1.2363 X100CrMoV5- 1	X100CrMoV51KU	X100CrMoV5	Cr5Mo1V	2260	NCLV	19571	BOHLERK305 K305

Database of steels and alloys (Marochnik) contains information about chemical composition and properties more then 2500 steels and alloys (stainless steel, alloy steel, carbone steel, structural steel, tool steel, cast iron, aluminum alloy, titanium alloy, copper alloy, nickel alloy, magnesium alloy and others).
Helpfull for specialists in grade technology, structural engineer, mechanical engineer, metallurgy and metal trader

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