

Database of Steel and Alloy (Marochnik)

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Characteristics for grade R9K5 (P9K5).

Grade :	R9K5 (P9K5)
Classification :	High speed tool steel
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Chemical composition in % for grade R9K5 (P9K5)

C	Si	Mn	Ni	S	P	Cr	Mo	W	V	Co	Cu
0.9 - 1	0.2 - 0.5	0.2 - 0.5	max 0.6	max 0.03	max 0.03	3.8 - 4.4	max 1	9 - 10	2.3 - 2.7	5 - 6	max 0.25

Temperature of critical points for grade R9K5 (P9K5).

$Ac_1 = 815$, $Ar_1 = 725$

Brinell hardness for R9K5 (P9K5) (annealing), GOST 19265-73	HB 10 ⁻¹ = 269 MPa
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Equivalent steels for grade R9K5 (P9K5)

Warning! Indicated both exact and nearest equivalents.

USA	Poland	Romania	Czechia
-	PN	STAS	CSN
T12008	SK5	Rp1	19856

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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