

Database of Steel and Alloy (Marochnik)

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Characteristics for grade R18K5F2 (P18K5Φ2).

Grade :	R18K5F2 (P18K5Φ2)
Classification :	High speed tool steel
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Chemical composition in % for grade R18K5F2 (P18K5Φ2)

C	Si	Mn	Ni	S	P	Cr	Mo	W	V	Co	Cu
0.85 - 0.95	0.2 - 0.5	0.2 - 0.5	max 0.6	max 0.03	max 0.03	3.8 - 4.4	max 1	17 - 18.5	1.8 - 2.2	4.7 - 5.2	max 0.25

Temperature of critical points for grade R18K5F2 (P18K5Φ2).

$Ac_1 = 830$, $Ar_1 = 750$

Brinell hardness for R18K5F2 (P18K5Φ2) (annealing), GOST 19265-73	HB 10 ⁻¹ = 285 MPa
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Equivalent steels for grade R18K5F2 (P18K5Φ2)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	Japan	France	England	European	Italy	Spain	China	Bulgaria	Czechia	Austria
-	DIN, WNr	JIS	AFNOR	BS	EN	UNI	UNE	GB	BDS	CSN	ONORM
T12004 T4	1.3255 HS18-1-2-5 S18-1-2-5	SKH3	18-05-04-01 Z80WKCV	BT4	HS18-1-1-5	HS18-1-1-5	HS18-1-1-5	W18Cr4VCo4	R18K5F2	19855	S305

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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