

Database of Steel and Alloy (Marochnik)

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[Home](#)
[European steel grades](#)
[Steel and Alloy](#)
[Search](#)
[Equivalent grades](#)
[Grading](#)
[GOST Standard](#)
[Contacts](#)
YOU HERE: [Steel and Alloy](#) -> [Tool steel](#)

Characteristics for grade R6M5 (P6M5).

Grade :	R6M5 (P6M5)
Classification :	High speed tool steel
Equivalent grades:	Go here

Chemical composition in % for grade R6M5 (P6M5)

C	Si	Mn	Ni	S	P	Cr	Mo	W	V	Co	Cu
0.82 - 0.9	0.2 - 0.5	0.2 - 0.5	max 0.6	max 0.025	max 0.03	3.8 - 4.4	4.8 - 5.3	5.5 - 6.5	1.7 - 2.1	max 0.5	max 0.25

Temperature of critical points for grade R6M5 (P6M5).

 $A_{c1} = 815$, $A_{r1} = 730$

Brinell hardness for R6M5 (P6M5) (annealing), GOST 19265-73

HB 10 ⁻¹ = 255 MPa

Equivalent steels for grade R6M5 (P6M5)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	Japan	France	England	European	Italy	Spain	China	Sweden	Bulgaria	Hungary	Poland	Romania	Czechia	Austria	South Korea
-	DIN, WNr	JIS	AFNOR	BS	EN	UNI	UNE	GB	SS	BDS	MSZ	PN	STAS	CSN	ONORM	KS
T11302 M2	1.3343 HS6-5-2 S6-5-2 S6-5-2S SC6-5-2 X82WMoCrV6-5-4	SKH51	HS6-5-2 HS6-5-2HC X85WMoCrV6-5-4 Z85WDCV	3343 BM2	1.3339 1.3343 HS6-5-2 HS6-5-2C	HS6-5-2 X82WMoV6-5	6-5-2 EM2 HS6-5-2	W6Mo5Cr4V2	2722	HS6-5-2C R6M5	R6	SW7M	Rp5	19830	BOHLERS600 S600	SKH51

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

[Top](#)
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