

Database of Steel and Alloy (Marochnik)

splat.kharkov.com/en

[Home](#) [European steel grades](#) [Steel and Alloy](#) [Search](#) [Equivalent grades](#) [Grading](#) [GOST Standard](#) [Contacts](#)

YOU HERE: [Steel and Alloy](#) -> [Tool steel](#)

Characteristics for grade R6M5F3 (P6M5Φ3).

Grade :	R6M5F3 (P6M5Φ3)
Classification :	High speed tool steel
Equivalent grades:	Go here

Chemical composition in % for grade R6M5F3 (P6M5Φ3)

C	Si	Mn	Ni	S	P	Cr	Mo	W	V	Co	Cu
0.95 - 1.05	0.2 - 0.5	0.2 - 0.5	max 0.6	max 0.025	max 0.03	3.8 - 4.3	4.8 - 5.3	5.7 - 6.7	2.3 - 2.7	max 0.5	max 0.25

Temperature of critical points for grade R6M5F3 (P6M5Φ3).

$A_{c1} = 815$

Brinell hardness for R6M5F3 (P6M5Φ3) (annealing), GOST 19265-73	HB 10 ⁻¹ = 269 MPa
---	-------------------------------

Equivalent steels for grade R6M5F3 (P6M5Φ3)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	Japan
-	DIN, WNr	JIS
T11313 T11323	S6-5-3	SKH52 SKH53

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](#)

© 2003 - 2013 All rights reserved. [About program.](#)

The entire risk as to use of the Database of Steel and Alloy (Marochnik) content is assumed by you the user

