

Database of Steel and Alloy (Marochnik)

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Characteristics for grade 6KH3MFS (6X3MΦC).

Grade :	6KH3MFS (6X3MΦC) (ЭП788)
Classification :	Alloy tool steel
Equivalent grades:	Is absent

Chemical composition in % for grade 6KH3MFS (6X3MΦC)

C	Si	Mn	Ni	S	P	Cr	Mo	V	Cu
0.55 - 0.62	0.35 - 0.65	0.2 - 0.6	max 0.4	max 0.03	max 0.03	2.6 - 3.3	0.2 - 0.5	0.3 - 0.6	max 0.3

Temperature of critical points for grade 6KH3MFS (6X3MΦC).

$Ac_1 = 760 - 790$, $Ac_3(Ac_m) = 950 - 975$, $Mn = 210 - 220$

Brinell hardness for 6KH3MFS (6X3MΦC) (annealing) , GOST 5950-2000	HB 10 ⁻¹ = 241 MPa
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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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