

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 75KHMФ (75ХМФ).

Grade :	75KHMФ (75ХМФ)
Substitute:	75ХМ, 9ХФ
Classification :	Tool steel for roller
Equivalent grades:	Is absent

Chemical composition in % for grade 75KHMФ (75ХМФ)

C	Si	Mn	Ni	S	P	Cr	Mo	V
0.7 - 0.8	0.2 - 0.6	0.2 - 0.7	max 0.3	max 0.04	max 0.04	1.4 - 1.7	0.1 - 0.3	0.05 - 0.25

Temperature of critical points for grade 75KHMФ (75ХМФ).

$Ac_1 = 760 - 790$

Brinell hardness for 75KHMФ (75ХМФ) (normalize, tempering) ,	HB 10⁻¹ = 241 - 285 MPa
Brinell hardness for 75KHMФ (75ХМФ) (quenching, tempering) ,	HB 10⁻¹ = 352 - 429 MPa

Technological properties for grade 75KHMФ (75ХМФ)

Weldability:	hard weldability.
Flakes :	weakly predisposed

Specification :

Weldability :

- without limitations** - welding is done without heating and subsequent heat treating
- limited weldability** - welding is possible under heating up to 100-120 grade and subsequent heat treating
- hard weldability** - obtaining the quality welding needs the additional operations: heating up to 200-300 grade; the heat treating ia annealing

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



076992 +0





18939
20308548 5610