

Database of Steel and Alloy (Marochnik)

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Characteristics for grade KHGS (XГC).

Grade :	KHGS (XГC)
Classification :	Alloy tool steel
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Chemical composition in % for grade KHGS (XГC)

C	Si	Mn	Ni	S	P	Cr	Mo	W	V	Ti	Cu
0.95 - 1.05	0.4 - 0.7	0.85 - 1.25	max 0.4	max 0.03	max 0.03	1.3 - 1.65	max 0.2	max 0.2	max 0.15	max 0.03	max 0.3

Temperature of critical points for grade KHGS (XГC).

$Ac_1 = 755$, $Ac_3(Ac_m) = 900$, $Ar_1 = 700$, $Mn = 200$

Brinell hardness for KHGS (XГC) (annealing), GOST 5950-2000	HB 10⁻¹ = 241 MPa
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Equivalent steels for grade KHGS (XГC)

Warning! Indicated both exact and nearest equivalents.

France	Poland
AFNOR	PN
100CrMn6	NCMS

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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