

Database of Steel and Alloy (Marochnik)

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Characteristics for grade 12KH1 (12X1).

Grade :	12KH1 (12X1) (120X ЭП430)
Classification :	Alloy tool steel
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Chemical composition in % for grade 12KH1 (12X1)

C	Si	Mn	Ni	S	P	Cr	Mo	W	V	Ti	Cu
1.15 - 1.25	0.1 - 0.4	0.3 - 0.6	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 12KH1 (12X1).

$Ac_1 = 750$, $Ac_3(Ac_m) = 890$, $Mn = 245$

Brinell hardness for 12KH1 (12X1) (annealing), GOST 5950-2000

HB 10⁻¹ = 241 MPa

Equivalent steels for grade 12KH1 (12X1)

Warning! Indicated both exact and nearest equivalents.

Poland	Czechia
PN	CSN
NC6	19422

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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