

Database of Steel and Alloy (Marochnik)

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Characteristics for grade KH12VM (X12BM).

Grade :	KH12VM (X12BM)
Substitute:	X12M
Classification :	Die tool steel
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Chemical composition in % for grade KH12VM (X12BM)

C	Si	Mn	Ni	S	P	Cr	Mo	W	V	Cu
2 - 2.2	0.1 - 0.4	0.15 - 0.45	max 0.35	max 0.03	max 0.03	11 - 12.5	0.6 - 0.9	0.5 - 0.8	0.15 - 0.3	max 0.3

Temperature of critical points for grade KH12VM (X12BM).

$Ac_1 = 815$, $Mn = 225$

Brinell hardness for KH12VM (X12BM) (annealing) ,

$HB 10^{-1} = 255$ MPa

Equivalent steels for grade KH12VM (X12BM)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	Japan	Spain
-	DIN,WNr	JIS	UNE
D4	1.2346 X210CrV12 X210CrW12	SKD-2	X210CrW12

Database of steels and alloys (Marochnik) contains information about chemical composition and properties more than 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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