

Database of Steel and Alloy (Marochnik)

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Characteristics for grade KHN65MV (XH65MB).

Grade :	KHN65MV (XH65MB) (0X15H65M16B ЭП567)
Classification :	Corrosion-resistant alloy
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Chemical composition in % for grade KHN65MV (XH65MB)

Fe	C	Si	Mn	Ni	S	P	Cr	Mo	W
max 1	max 0.03	max 0.15	max 1	59.793 - 67.5	max 0.012	max 0.015	14.5 - 16.5	15 - 17	3 - 4.5

Mechanical properties under T=20°C for grade KHN65MV (XH65MB)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
Sheet, GOST 24982-81			830-850	390-410	40			Guenching 1050 - 1090°C,
Forging, GOST 25054-81			735	294	30-35	35-40		

Brinell hardness for KHN65MV (XH65MB) , Forging GOST 25054-81	HB 10⁻¹ = 220 MPa
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Equivalent steels for grade KHN65MV (XH65MB)

Warning! Indicated both exact and nearest equivalents.

USA	Germany
-	DIN, WNr
10276 Hastelloy HastelloyC-276	2.4819 NiMo16Cr15W SNiMo16Cr15W

Specification : Mechanical properties :

σ_B	- Tensile strength , [MPa]
σ_T	- Yield stress , [MPa]
δ_5	- Specific elongation at fracture , [%]
ψ	- Reduction of area , [%]
KCU	- Impact strength , [kJ / m ²]
HB	- Brinell hardness , [MPa]

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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