

Database of Steel and Alloy (Marochnik)

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Characteristics for grade 15N2M (15H2M).

Grade :	15N2M (15H2M) (15HM)
Classification :	Alloy structural steel
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Chemical composition in % for grade 15N2M (15H2M)

C	Si	Mn	Ni	S	P	Cr	Mo	Cu
0.1 - 0.18	0.17 - 0.37	0.4 - 0.7	1.5 - 1.9	max 0.035	max 0.035	max 0.3	0.2 - 0.3	max 0.3

Mechanical properties under T=20°C for grade 15N2M (15H2M)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
Bar, GOST 4543-71	Ø 15		830	635	11	50	780	Guenching 860°C, oil, Drawing 180°C,

Brinell hardness for 15N2M (15H2M) (annealing), GOST 4543-71	HB 10⁻¹ = 197 MPa
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Equivalent steels for grade 15N2M (15H2M)

Warning! Indicated both exact and nearest equivalents.

USA
-
4615 G46150

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, carbon 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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