

Database of Steel and Alloy (Marochnik)

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Characteristics for grade 15KH6SYU (15X6CЮ).

Grade :	15KH6SYU (15X6CЮ) (X6CЮ 3И428)
Classification :	Low alloy high-temperature steel
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Chemical composition in % for grade 15KH6SYU (15X6CЮ)

C	Si	Mn	S	P	Cr	Al
max 0.15	1.2 - 1.8	max 0.5	max 0.025	max 0.03	5.5 - 7	0.7 - 1.1

Mechanical properties under T=20°C for grade 15KH6SYU (15X6CЮ)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
Bar, GOST 5949-75			440	245	20	40		Annealing 750 - 800°C, Cooling air,

Equivalent steels for grade 15KH6SYU (15X6CЮ)

Warning! Indicated both exact and nearest equivalents.

Germany	France	European	Italy	Czechia
DIN, WNr	AFNOR	EN	UNI	CSN
1.4713 X10CrAlSi7	Z8CA7	1.4713 X10CrAlSi7	X7AL	17113

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, carbene 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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