

Database of Steel and Alloy (Marochnik)

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[Home](#) [European steel grades](#) [Steel and Alloy](#) [Search](#) [Equivalent grades](#) [Grading](#) [GOST Standard](#) [Contacts](#)

YOU HERE: [Steel and Alloy](#) -> [Structural steel](#)

Characteristics for grade 60S2G (60C2Г).

Grade :	60S2G (60C2Г)
Classification :	Spring structural steel
Equivalent grades:	Go here

Chemical composition in % for grade 60S2G (60C2Г)

C	Si	Mn	Ni	S	P	Cr	Cu
0.55 - 0.65	1.8 - 2.2	0.7 - 1	max 0.25	max 0.025	max 0.025	max 0.3	max 0.2

Mechanical properties under T=20°C for grade 60S2G (60C2Г)

Assortment	Dimension	Direct.	σ_B	σ_T	δ_5	ψ	KCU	Heat treatment
-	mm	-	MPa	MPa	%	%	kJ / m ²	-
Bar, GOST 14959	to Ø 80		1471	1324	6	25		Guenching 870°C, oil, Drawing 470°C,

Brinell hardness for 60S2G (60C2Г) (without heat treatment), Rolled stock GOST 14959-79	HB 10⁻¹ = 321 MPa
Brinell hardness for 60S2G (60C2Г) (heat treatment), Rolled stock GOST 14959-79	HB 10⁻¹ = 269 MPa

Equivalent steels for grade 60S2G (60C2Г)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	Japan	France	England	Italy	Bulgaria	Poland
-	DIN, WNr	JIS	AFNOR	BS	UNI	BDS	PN
9260 G92620	60SiCr7	SUP7	61SC7	250A58 250A61	60SiCr8	60S2G	60S2 60S2A

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

[Top](#)

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