

[EN 10025 S235JRG2 steel plate/sheet](#) for general purpose structural steels

Key words: [S235JRG2 steel plate/sheet](#), EN 10025 S235JRG2 steel plate/sheet, S235JRG2 steel plate/sheet supplier/Chinese supplier, S235JRG2 steel plate/sheet price, S235JRG2 steel plate/sheet mechanical property.

[EN 10025 S235JRG2 steel](#) equivalent grade:

S235JRG2 steel plate/sheet is in EN 10025 standard, the material number is 1.0038. The equivalent grades of S235JRG2 steel are ASTM A 283 C - A 570 Gr. 33, DIN17100 Rst37-2, BS1449 40B, NFA 35-501 E 24-2, UNI 7070 Fe 360 B.

S2 S235JRG235JRG2 EN 10025-2 Material #: 1.0038	Comparison of steel grades	
	ASTM	A 283 C - A 570 Gr. 33
	DIN17100	Rst37-2
	BS1449	40B
	NFA 35-501	E 24-2
	UNI 7070	Fe 360 B

[EN 10025 S235JRG2 steel chemical composition](#) %:

Main chemical composition in EN 10025 S235JRG2 steel is carbon max 0.17, manganese max 1.40, phosphorus max 0.045, Sulphur max 0.045. More detailed information about S235JRG2 steel, please refer to the down table:

Chemical elements	C≤ 16mm	C>16mmmax	Si max	Mnmax	P max.	S max.
%,by mass	0.17	0.17	--	1.4	0.045	0.045

EN 10025 S235JRG2 steel mechanical property:

S235JRG2 steel plate is one mainly of Carbon and low alloy steel, S235JRG2 steel plate is a structural steel grade which be used in riveted, bolted, or welded construction of bridges and building.

thickness	Yield Strength $R_{eH}$ [N/mm <sup>2</sup> ] transv.min.	Tensile Strength $R_m$ [N/mm <sup>2</sup> ] transv.	Fracture Elongation[%] transv. min.	Notch Impact Energy $1)Ch$ Vcomplete samplelongitud. min [J]
t≤ 16mm	235			Degree: 20
	225			
t < 3mm		360-510		
t ≥ 3mm		340-470		
Up to 1.5mm			16	AV: 27J
1.51-2.00mm			17	
2.01-2.50mm			18	

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## Beijing ICE iron and steel

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2.51-2.99mm

19

≥ 3mm

24

ICE steel is the professional Chinese steel exporter, especially in fine-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10025 S235JRG2 steel are available, so if need, welcome to contact ICE steel sales team.

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