

[EN 10025 S235JR steel plate/sheet](#) for general purpose structural steels

Key words: [S235JR steel plate/sheet](#), EN 10025 S235JR steel plate/sheet, S235JR steel plate/sheet supplier/Chinese supplier, S235JR steel plate/sheet price, S235JR steel plate/sheet mechanical property.

[EN 10025 S235JR steel equivalent grade](#):

S235JR steel plate/sheet is in EN 10025 standard, the material number is 1.0037. The equivalent grades of S235JR steel are DIN 17100 St 37-2, NFA 35-501 E 24-2, UNI 7070 Fe 360 B, BS 4360 40 A, ASTM A 283 C - A 570 Gr. 33.

		Comparision of steel grades	
		DIN 17100	St 37-2
S235JR EN 10025 Material#: 1.0037	NFA 35-501	E 24-2	
	UNI 7070	Fe 360 B	
	BS 4360	40 A	
	ASTM	A 283 C - A 570 Gr. 33	

[EN 10025 S235JR steel chemical composition](#) %:

Main chemical composition in EN 10025 S235JR steel is carbon max 0.17, silicon max 0.20, manganese max 1.40, phosphorus max 0.045, Sulphur max 0.045. More detailed information about S235JR steel, please refer to the down table:

Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.
%,by mass	0.17	0.20	--	1.40	0.045	0.045

EN 10025 S235JR steel mechanical property:

S235JR steel plate is one mainly of carbon and low alloy steel, S235JR steel plate is a type of steel sheet under EN standard which is used to build ship, bridge, belongs to high strength sheet.

thickness	Yield Strength ReH[N/mm2] transv.min.	Tensile Strength Rm [N/mm2]transv.	Fracture Elongation[%] transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm t >16mm	235 225			20 degree 27J
t < 3mm t ≥ 3mm		360-510 340-470		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥3mm			16 17 18 19 24	

ICE steel is the professional Chinese steel exporter, especially in fin-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10025 S235JR steel are available, so if need, welcome to contact ICE steel sales team.

Ice steel — The most professional exporter on weathering resistant steel

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