

[EN 10025 S355JR steel plate/sheet](#) for general purpose structural steels

Key words: [S355JR steel plate/sheet](#), EN 10025 S355JR steel plate/sheet, S355JR steel plate/sheet supplier/Chinese supplier, S355JR steel plate/sheet price, S355JR steel plate/sheet mechanical property.

[EN 10025 S355JR steel](#) equivalent grade:

S355JR steel plate/sheet is in EN 10025 standard, the material number is 1.0045. The equivalent grades of S355JR steel are NFA 35-501 E 36-2, UNI 7070 Fe 510 B, BS 4360 50 B, ASTM A 572 Gr. 50 - A 678 Gr. A, UNE 36.080 AE 355 B, JIS G3101 SS 490.

S355JR EN 10025 Material #:1.0045	Comparision of steel grades	
	NFA 35-501	E 36-2
	UNI 7070	Fe 510 B
	BS 4360	50 B
	ASTM	A 572 Gr. 50 - A 678 Gr. A
	UNE 36.080	AE 355 B
	JIS G3101	SS 490

[EN 10025 S355JR steel chemical composition](#) %:

Main chemical composition in EN 10025 S355JR steel is carbon max 0.24, silicon max 0.55, manganese max 1.60, phosphorus max 0.045, Sulphur max 0.045. More detailed information about S355JR 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	0.24	0.24	0.55	1.60	0.045	0.045

EN 10025 S235JR steel mechanical property:

S355JR steel plate is one mainly of carbon and low alloy steel, S355JR 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 StrengthReH[N/mm2] transv.min.	Tensile StrengthRm[N/mm2]transv.	Fracture Elongation [%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm t > 16mm	355 345			20 degree 27J
t < 3mm t ≥ 3mm		510-680 490-630		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			13 14 15 16 20	

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Beijing ICE iron and steel

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 S355JR steel are available, so if need, welcome to contact ICE steel sales team.

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