

[EN 10025 S275J0 steel plate/sheet](#) for general purpose structural steels

Key words: [S275J0 steel plate/sheet](#), EN 10025 S275J0 steel plate/sheet, S275J0 steel plate/sheet supplier/Chinese supplier, S275J0 steel plate/sheet price, S275J0 steel plate/sheet mechanical property.

[EN 10025 S275J0 steel](#) equivalent grade:

S275J0 steel plate/sheet is in EN 10025 standard, the material number is 1.0143. The equivalent grades of S275J0 steel are DIN 17100 St 44-3 U, NFA 35-501 E 28-3, UNI 7070 Fe 430 C, BS 4360 43 C, UNE 36.080 AE 275 C, ASTM A 578 Gr. 70.

		Comparision of steel grades	
		DIN 17100	St 44-3 U
S275J0  EN 10025  Material #:1.0143		NFA 35-501	E 28-3
		UNI 7070	Fe 430 C
		BS 4360	43 C
		UNE 36.080	AE 275 C
		ASTM	A 578 Gr. 70

[EN 10025 S275J0 steel chemical composition](#) %:

Main chemical composition in EN 10025 S235JR steel is carbon max 0.18, manganese max 1.50, phosphorus max 0.040, Sulphur max 0.040. More detailed information about S275J0 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	0.18	0.18	--	1.50	0.040	0.040

EN 10025 S275J0 steel mechanical property:

S275J0 steel plate is one mainly of Carbon and low alloy steel, S275J0 alloy steel plate is equal to DIN:St44-3U,NFA:E28-3,BS:43C and UNI:Fe430C.The tensile strength of S275Jo is 430-580MPa when its thickness is less than 3mm.

thickness	Yield StrengthReH[N/mm2] transv.min.	TensileStrengthRm[N/mm2]transv.	Fracture Elongation[%] transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t≤ 16mm t >16mm	275 265			0 degree 27J
t < 3mm t ≥ 3mm		430-580 410-560		
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

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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 S275J0 steel are available, so if need, welcome to contact ICE steel sales team.

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