

EN 10025 S275J2G3 steel plate/sheet for general purpose structural steels

Key words: [S275J2G3 steel plate/sheet](#), EN 10025 S275J2G3 steel plate/sheet, S275J2G3 steel plate/sheet supplier/Chinese supplier, S275J2G3 steel plate/sheet price, S275J2G3 steel plate/sheet mechanical property.

EN 10025 S275J2G3 steel equivalent grade:

S275J2G3 steel plate/sheet is in EN 10025 standard, the material number is 1.0144. The equivalent grades of S275J2G3 steel are UNE 36.080 AE 275 D, ASTM A 633 Gr. A, DIN17100 ST44-3N, NFA 35-501 E28-4, BS1449 43D, UNI7070 FE 430 D.

S275J2G3 EN 10025-2 Material #: 1.0144	Comparison of steel grades	
	UNE 36.080	AE 275 D
	ASTM	A 633 Gr. A
	DIN17100	ST44-3N
	NFA 35-501	E28-4
	BS1449	43D
	UNI7070	FE 430 D

EN 10025 S275J2G3 steel chemical composition %:

Main chemical composition in EN 10025 S235J2G3 steel is carbon max 0.18, manganese max 1.50, phosphorus max 0.035, Sulphur max 0.035. More detailed information about S275J2G3 steel, please refer to the down table:

Chemical elements	C≤ 16mm	C>16mmmax	Si max	Mnmax	P max.	S max.
%,by mass	0.18	0.18	--	1.5	0.035	0.035

EN 10025 S275J2G3 steel mechanical property:

S275J2G3 steel has the proper tensile strength, good toughness, plasticity, processing property. Carbon structural steel S275J2G3 steel plate usually be rolled into steel plates, shaped steel and profile steel, which usually used to build workshop, bridge, vessels and so on. The delivery station usually are hot rolled, control rolled, or Normalized.

thickness	Yield Strength ReH [N/mm ²] transv. min.	Tensile Strength Rm [N/mm ²] transv.	Fracture Elongation [%] transv. min.	Notch Impact Energy 1) Ch V complete sample longitud. min [J]
t ≤ 16mm	275	430-580	13	27J
	265			
t < 3mm		430-580		
t ≥ 3mm		410-560		
Up to 1.5mm			13	27J

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1.51-2.00mm			14	
2.01-2.50mm			15	
2.51-2.99mm			16	
≥ 3mm			20	

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 S275J2G3 steel are available, so if need, welcome to contact ICE steel sales team.

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