

Carbon and low alloy steel EN10025 S275JR steel plate

S275JR steel plate, under EN10025(93) standard S275JR steel plate, under EN10025(93) standard, we can regard S275JR steel plate as Carbon and low alloy steel

S275JR steel plate is one mainly of Carbon and low alloy steel, The S275JR steel plate is a kind of carbon and low alloy steel, which is identical to DIN:St44-2, BS:43B, ASTM:A529 and UNI:Fe430B

S275JR DIN EN 10025-2 Number: 1.0044	Comparison of steel grades	
	EN10025:1990	FE 430 B
	DIN17100	ST44-2
	NFA 35-501	E28-2
	BS1449	43B
	ASTM	A529
	UNI7070	FE 430 B

Chemical analysis -% by mass*

Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.
%,by mass	0.21	0.21	--	1.50	0.045	0.045

Mechanical properties

thickness	Yield Strength ReH [N/mm ²] transv. min.	Tensile Strength Rm [N/mm ²]]transv.	Fracture Elongation [%]tr ansv. min.	Notch Impact Energy 1) Ch V complete sample longitud. min [J]
t ≤ 16mm	275			20 degree 27J
t > 16mm	265			
t < 3mm		430-580		
t ≥ 3mm		410-560		
Up to 1.5mm			13	
1.51-2.00mm			14	
2.01-2.50mm			15	
2.51-2.99mm			16	
≥ 3mm			20	

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