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S355J0 steel plate, under EN10025(93) standard S355J0 steel plate, under EN10025(93) standard, we can regard S355J0 steel plate as Carbon and low alloy steel

S355J0 steel plate is one mainly of Carbon and low alloy steel, S355J0 steel plate S355J0 Material number 1.0553 According to EN10025 1. In different standards, we can regard S355J0 steel plate as different name. the detail information is as follows DIN 17100: St 52-3 U NFA 35-501: E 36-3 UNI 7070: Fe 510 C

S355J0 DIN EN 10025-2 Number: 1.0553	Comparison of steel grades	
	EN10025:1990	FE 510 C
	DIN17100	ST52-3U
	NFA 35-501	E36-3
	BS1449	50C
	UNI7070	FE 510 C

Chemical analysis -% by mass*

Mechanical	Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	properties
	%,by mass	0.20	0.20	0.55	1.60	0.040	0.040	

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	355			0 degree 27J
t >16mm	345			
t < 3mm		510-680		
t ≥ 3mm		490-630		
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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