

Under DIN EN 10025-2 sta S355J2G4 steel plates is used to manufacture the plants of factory ,the common constructure and construction machinery and equipment; for example:Drilling machine , Excavator,Tip lorry, Grab,Conweigh belt,Bulldozer ,all kinds of Chain Block, and other machiney equipments.

Comparison of steel grades

S355J2G4	EN10025:1990	FE 510 D2
DIN EN 10025-2Number:	DIN17100	-
1.0557	NFA 35-501	-
	BS1449	-
	UNI7070	-

S355J2G4 steel plate Chemical analysis -% by mass*

Chemical elements	C≤ 16mm	C>16mm	Si	Mn	P	S
	max	max	max	max	max.	max.
%,by mass	0.20	0.20	0.55	1.60	0.035	0.035

S355J2G4 steel sheet Mechanical properties

thickness	Yield StrengthReH[N/mm2]	TensileStrengthRm[N/mm2]transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
		transv.min.		
t ≤ 16mm	355			
t >16mm	345			
t < 3mm		510-680		
t ≥ 3mm		490-630		
Up to 1.5mm			13	
1.51-2.00m			14	
m			15	-20 degree
2.01-2.50m			16	27J
m			20	
2.51-2.99m				
m				
≥ 3mm				

BEBON international — We are specialized in hot rolled steel plate/coil.

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