

Under **DIN EN10025-2 standard** Number: 1.0045 **S355JR steel plate/sheet** is used to **manufacture the plants of factory**,the commonconstructure 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

<b>S355JR</b> <b>DIN EN 10025-2Number:</b> <b>1.0045</b>	EN10025:1990	FE 510 B
	DIN17100	<b>ST52-3</b>
	ASTM	<b>A572GR50</b>
	JIS	<b>SS490/SM490A</b>
	NFA 35-501	E36-2
	BS1449	<b>50B</b>
	UNI7070	<b>FE 510 B</b>

#### S355JR steel plate Chemical analysis -% by mass\*

Chemical elements	C <sub>≤16mm</sub> max	C <sub>&gt;16mm</sub> max	Si max	Mn max	P max.	S max.
%,by mass	0.24	0.24	0.55	1.60	0.045	0.045

#### S355JR steel sheet Mechanical properties

thickness	Yield StrengthReH[N/mm <sup>2</sup> ]	TensileStrengthRm[N/mm <sup>2</sup> ]	Fracture Elongation[%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
	transv.min.	transv.		
t ≤ 16mm	355			
t >16mm	345			
t < 3mm		510-680		
t ≥ 3mm		490-630		
Up to 1.5mm			13	
1.51-2.00m			14	20 degree
m			15	27J
2.01-2.50m			16	
m			20	
2.51-2.99m				
m				
≥ 3mm				

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

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