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**Henan BEBON international co.,ltd****JISG SS 500 steel plate/sheet for general Construction steels**

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JISG SS 500 steel plate/sheet, JISG SS 500 steel plate/sheet, under EN standard, we can regard SS 500 steel plate/sheet for general Construction steels. JISG SS 500 steel plate/sheet is for general Construction steels. The followings are the chemical composition and the mechanical properties of EN SS 500 steel.

SS 500 JISG Number: 1.0050	Comparison of steel grades	
	JISG :1990	SS 500
	DIN17100	ST50-2
	NFA 35-501	A50-2
	BS1449	-
	UNI7070	FE 490

Chemical analysis -% by mass\* of SS 500 steel

Chemical elements	C <sub>≤</sub> 16mm max	C>16mm max	Si max	Mn max	P max.	S max.	N max
%,by mass	-	-	-	-	0.045	0.045	0.012

Mechanical properties of SS 500 steel

thickness	Yield Strength ReH [N/mm <sup>2</sup> ] transv.min.	Tensile Strength Rm [N/mm <sup>2</sup> ] transv.	Fracture Elongation [%]transv. min.	Notch Impact Energy <sup>1</sup> )Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm t >16mm	295 285			--
t < 3mm t ≥ 3mm		490-600 470-610		
Up to 1.5mm 1.51-2.00m m 2.01-2.50m m 2.51-2.99m m ≥ 3mm			11 12 13 14 18	

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