

### Carbon and low alloy steel EN10025 SM400A/B/C steel plate

SM400A/B/C steel plate, JIS3106 SM400A/B/C steel plate, under JIS3106 standard, we can regard SM400A/B/C steel plate as Carbon and low alloy steel

SM400A/B/C steel plate is one mainly of Carbon and low alloy steel, SM400A/B/C steel plate is a structural steel grade which be used in riveted, bolted, or welded construction of bridges and buildings.It is identical to DIN:St37-3U,BS:40C,EN10025:S235J0 and Fe360C and etc

SM400B JIS3106	Comparison of steel grades	
	EN10025:1990	FE E 360 C
	DIN17100	ST37-3U
	NFA 35-501	E24-3
	BS1449	40C
	EN 10025-2	S235J0
	UNI7070	FE 360 C

Chemical analysis -% by mass\*

Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.
%,by mass	0.17	0.17	--	1.40	0.045	0.045

Mechanical properties

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 t >16mm	235 225			Degree: 0 AV: 27J
t < 3mm t ≥ 3mm		360-510 340-470		
Up to 1.5mm			16	
1.51-2.00mm			17	
2.01-2.50mm			18	
2.51-2.99mm ≥ 3mm			19 24	

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