

**BEBON**

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Henan BEBON international co.,ltd

A283GrA/B/C/D steel plate, ASTM A283GrA/B/C/D steel plate, under ASTM standard, we can regard A283GrA/B/C/D steel plate as Carbon and low alloy steel

A283GrA/B/C/D steel plate is one mainly of Carbon and low alloy steel, ASTM A 283 steel covers low and intermediate tensile strength carbon steel plates for general manufacturing and constructional applications. This material is normally supplied in the rimmed or semi-killed types of steel and is particularly suitable for the economical production of assemblies requiring a considerable amount of forming. Variations in low temperature impact properties are great and these steels are not recommended for those applications requiring low temperature notch toughness

A283C ASTM	Comparison of steel grades	
	EN10025:1990	FE 360 B
	DIN17100	ST37-2
	NFA 35-501	E24-2
	JIS3101	SS400
	EN 10025-2	S235JR
	UNI7070	FE 360 B

Chemical analysis -% by mass*

Chemical elements	C≤ 16mm max	C>16mm max	Si max	Mn max	P max.	S max.
%,by mass	0.17	0.20	--	1.40	0.045	0.045

Mechanical properties

thickness	Yield StrengthReH [N/mm2] transv.min.	TensileStrengthRm [N/mm2]transv.	Fracture Elongation[%] transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t≤ 16mm t >16mm	235 225			20 degree 27J
t < 3mm t ≥ 3mm		360-510 340-470		
Up to 1.5mm			16	
1.51-2.00mm			17	
2.01-2.50mm			18	

Bebon steel — The most professional exporter on shipbuilding steel

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2.51-2.99mm			19	
≥ 3mm			24	

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