

EN10025 S235JR carbon steels

Key words :

[S235JR steel plate](#), under EN10025 standard S235JR steel plate, under EN10025 standard, we can regard S235JR steel plate as Carbon steel

S235JR steel plate is one mainly of Carbon steel, S235JR steel plate is a type of steel sheet under EN standard which is used to build ship, bridge, belongs to high strength sheet. S235JR is equivalent to DIN:St37-2, JIS:SS400, ASTM:A283C and UNI:FE360B

Equivalent grade :

S235JR steel plate/sheet is in EN10025 standard. It's grade Number is 1.0037. The equal material of S235JR is: EN10025:1990 FE 360 B, DIN17100 ST37-2, NFA 35-501 E24-2, JIS3101 SS400 - ASTM A283C, UNI7070 FE 360 B .

Comparison of steel grades

	EN10025:1990	FE 360 B
	DIN17100	ST37-2
S235JR	NFA 35-501	E24-2
DIN EN 10025-2 Number: 1.0037	JIS3101	SS400
	ASTM	A283C
	UNI7070	FE 360 B

EN10025 S235JR steel Chemical Composition % :

Main chemical composition in EN10025 S235JR steel : Manganese max 1.4, Phosphorus max 0.045, Sulphur max 0.045. More detailed information, please refer to the flowing table:

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

EN10025 S235JR steel Mechanical Properties

EN10025 S235JR steel plate/sheet for carbon steels, This kind of steel has very wide use. Because of the low Carbon content and without alloy element, carbon structural steel has the proper tensile strength, good toughness, plasticity, processing property. More detailed information about EN10025 S235JR steel Mechanical Properties , please refer to the following table:

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	235			
t >16mm	225			
t < 3mm		360-510		20 degree
t ≥ 3mm		340-470		27J
Up to 1.5mm			16	
1.51-2.00mm			17	
2.01-2.50mm			18	

Ice steel — The most professional exporter on weathering resistant steel

Tel:0086-10-56218820

E-mail: steel@ice-steels.com

Fax: 0086-10-56218821

Web:<http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA



2.51-2.99mm	19
≥3mm	24

ICE steel is the professional Chinese steel exporter. We can offer you S235JR sheet, S235JR Cross Reference, S235JR Schematic, S235JR Distributor, S235JR Equivalent, S235JR Application Note, S235JR Data Sheet, S235JR component, S235JR Fiche Technique, S235JR Circuit, S235JR steel sheet, S235JR steel price. S235JR steel supplier, S235JR steel manufacturer.

Ice steel — The most professional exporter on weathering resistant steel

Tel:0086-10-56218820

E-mail: steel@ice-steels.com

Fax: 0086-10-56218821

Web:<http://www.ice-steels.com>

Oficina Dir: ROOM 3007 1# SOHO MODERN CITY, 88 NO. JIAN GUO ROAD BEI JING OF CHINA