

[EN 10025 S235JRG3 steel plate/sheet](#) for general purpose structural steels

Key words: [S235JRG3 steel plate/sheet](#), EN 10025 S235JRG3 steel plate/sheet, S235JRG3 steel plate/sheet supplier/Chinese supplier, S235JRG3 steel plate/sheet price, S235JRG3 steel plate/sheet mechanical property.

[EN 10025 S235JRG3 steel](#) equivalent grade:

S235JRG3 steel plate/sheet is in EN 10025 standard, the material number is 1.0116. The equivalent grades of S235JRG3 steel are DIN 17100 St 37-3 N, NFA 35-501 E 24-4, UNI 7070 Fe 360 D, BS 4360 40 D, UNE 36.080 AE 235 D.

S235JRG3 EN 10025 Material #:1.0116	Comparison of steel grades	
	DIN 17100	St 37-3 N
	NFA 35-501	E 24-4
	UNI 7070	Fe 360 D
	BS 4360	40 D
	UNE 36.080	AE 235 D

[EN 10025 S235JRG3 steel chemical composition](#) %:

Main chemical composition in EN 10025 S235JRG2 steel is carbon max 0.17, manganese max 1.40, phosphorus max 0.045, Sulphur max 0.045. More detailed information about S235JRG3 steel, please refer to the down table:

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

EN 10025 S235JRG3 steel mechanical property:

EN10025 S235J2G3 steel plate is characterised by a minimum yield strength of 170-235MPa and tensile strength of 340-510MPa,so S235J2G3 steel is mainly used in riveted, bolted, or welded construction of bridges and buildings.the following are EN10025 S235J2G3 steel plate's Chemical composition and 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			Degree: 0 AV: 27J
t < 3mm t ≥3mm		360-510 340-470		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥3mm			16 17 18 19 24	

ICE steel is the professional Chinese steel exporter, especially in fin-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10025 S235JRG3 steel are available, so if need, welcome to contact ICE steel sales team.

**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



**Ice steel — The most professional exporter on weathering resistant steel**

---

Tel:0086-10-56218820

E-mail: [steel@ice-steels.com](mailto: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