

EN 10025 S275JR steel plate/sheet for general purpose structural steels

Key words: **S275JR steel plate/sheet**, EN 10025 S275JR steel plate/sheet, S275JR steel plate/sheet supplier/Chinese supplier, S275JR steel plate/sheet price, S275JR steel plate/sheet mechanical property.

EN 10025 S275JR steel equivalent grade:

S275JR steel plate/sheet is in EN 10025 standard, the material number is 1.0044. The equivalent grades of S275JR steel are DIN 17100 St 44-2, NFA 35-501 E 28-2, UNI 7070 Fe 430 B, BS 4360 43 B, UNE 36.080 AE 275 B, ASTM A 283 D - A 36, JIS G3101 SS 400.

S275JR EN 10025 Material #:1.0044	Comparision of steel grades	
	DIN 17100	St 44-2
	NFA 35-501	E 28-2
	UNI 7070	Fe 430 B
	BS 4360	43 B
	UNE 36.080	AE 275 B
	ASTM	A 283 D - A 36
	JIS G3101	SS 400

EN 10025 S275JR steel chemical composition %:

Main chemical composition in EN 10025 S275JR steel is carbon max 0.21, manganese max 1.50, phosphorus max 0.045, Sulphur max 0.045. More detailed information about S275JR 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	0.21	0.21	--	1.50	0.045	0.045

EN 10025 S275JR steel mechanical property:

S275JR steel plate, under EN10025 standard, we can regard S275JR steel plate as Carbon and low alloy steel.

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	275 265			20 degree 27J
t < 3mm t ≥ 3mm		430-580 410-560		
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			13 14 15 16 20	

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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



Beijing ICE iron and steel

ICE steel is the professional Chinese steel exporter, especially in fine-grain structural steel. We keep 10000 tons ex-stock in our warehouse, and the MTC and sample of EN 10025 S275JR steel are available, so if need, welcome to contact ICE steel sales team.

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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