

DIN EN 10025-2 S275J2G3 steel plate/sheet has very wide use. Because of the low Carbon content and without alloy element, **carbon structural S275J2G3 steel** has the proper tensile strength, good toughness, plasticity, processing property. Carbon structural steel **S275J2G3 steel plate** usually be rolled into steel plates, shaped steel and profile steel, which usually used to build workshop, bridge, vessels and so on. The delivery station usually are hot rolled, control rolled, or Normalized

Comparison of steel grades

	EN10025:1990	FE 430 D1
S275J2G3	EN10113-2	P275N
DIN EN 10025-2Number:	DIN17100	ST44-3N
1.0144	NFA 35-501	E28-4
	BS1449	43D
	UNI7070	FE 430 D

S275J2G3 steel plate Chemical analysis -% by mass*

Chemical elements	C _{≤16mm} max	C _{>16mm} max	Si max	Mn max	P max.	S max.
%,by mass	0.18	0.18	--	1.50	0.035	0.035

S275J2G3 steel sheet Mechanical properties

thickness	Yield StrengthReH[N/mm ²]	TensileStrengthR m[N/mm ²]transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
	mm ²]	transv.min.	sv. min.	
t ≤ 16mm	275			
t > 16mm	265			
t < 3mm		430-580		
t ≥ 3mm		410-560		
Up to 1.5mm			13	
1.51-2.00m			14	
m			15	-20 degree
2.01-2.50m			16	27J
m			20	
2.51-2.99m				
m				
≥ 3mm				

BEBON international — We are specialized in hot rolled steel plate/coil.

Tel:0086-371-86151827 86151627

E-mail:BB@Bebonchina.com

Fax: 0086-371-86011881

Web:<http://www.bebonchina.com>

Oficina Dir: 2801 B# International enterise center Zhengzhou city in China.