

[EN 10025 S355J2G3 steel plate/sheet](#) for general purpose structural steels

Key words: [S355J2G3 steel plate/sheet](#), EN 10025 S355J2G3 steel plate/sheet, S355J2G3 steel plate/sheet supplier/Chinese supplier, S355J2G3 steel plate/sheet price, S355J2G3 steel plate/sheet mechanical property.

[EN 10025 S355J2G3 steel](#) equivalent grade:

S355J2G3 steel plate/sheet is in EN 10025 standard, the material number is 1.057. The equivalent grades of S355J2G3 steel are DIN 17100 St 52-3 N, UNI 7070 Fe 510 D, BS 4360 50 D, UNE 36.080 AE 355 D.

S355J2G3 EN 10025 Material #:1.057	Comparison of steel grades	
	DIN 17100	St 52-3 N
	UNI 7070	Fe 510 D
	BS 4360	50 D
	UNE 36.080	AE 355 D

[EN 10025 S355J2G3 steel chemical composition](#) %:

Main chemical composition in EN 10025 S355J2G3 steel is carbon max 0.22, silicon max 0.55, manganese max 1.60, phosphorus max 0.035, sulphur max 0.035, chromium max 0.30. More detailed information about S355J2G3 steel, please refer to the down table:

Chemical elements	C** max.	Si max.	Mn max.	P max.	S max.	Cr max.	Mo max.	Ni max.	Cr+Mo+Ni max.	Al min.
%, by mass	0,22	0,55	1,60	0,035	0,035	0,30	0,08	0,30	0,48	0,020
Permissible deviation	+ 0,02	+ 0,03	+ 0,04	+0,05	+0,005	+ 0,05	+ 0,03	+ 0,05		- 0,005

EN 10025 S355J2G3 steel mechanical property:

S355J2G3 steel plate is one mainly of Carbon and low alloy steel, S355J2G3 steel applied in offshore structures, shipbuilding, power plants, cement plants, freight cars, transmission towers, dump trucks, cranes, trailers, bull dozers, excavators, forestry machines, railway wagons, dolphins, penstocks, pipes, highway bridges, building structures, fans, pumps, lifting equipments, port equipments and etc.

Diameter in mm		tR ≤ 100mm	100< tR ≤250mm	250< tR ≤500mm	500< tR ≤1000mm
Re min (N/mm ²)		315	275	265	-
Rm min (N/mm ²)		490	450	450	-
A % min.	l-longitudinal	20	18	18	-
	tr -transverse	-	12	12	-
KV min (J)	l-longitudinal	35	30	27	-
	tr -transverse	-	20	15	-

1N/mm²=1MPa Heat treatment conditions

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Beijing ICE iron and steel

Quenching Temperature, 0C	Cooling medium	Tempering Temperature, 0C	Normalizing temperature, 0C
-	-	-	890 to 950

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 S355J2G3 steel are available, so if need, welcome to contact ICE steel sales team.

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