

Steel Resistant to Atmospherical Corrosion EN 10155 S355J2G1W

S355J2G 1W steel plate, EN 10155 S355J2G1W steel plate, under EN10155 standard, we can regard S355J2G 1W steel plate as Steel Resistant to Atmospherical Corrosion. S355J2G1W steel plate is one mainly of Steel Resistant to Atmospherical Corrosion, S355J2G1W steel plate is a weather-resistant structural steel with mechanical properties similar to S355J2G2. By adding Cr, Cu and Ni, it formed oxide layers stick firmly to the work piece surface. This oxide layer prevents further corrosion of the steel.

S355J2G1W EN 10155 MATERIAL#1.8963	Comparison of steel grades	
	SEW 087	WTSt52-3
	DIN17102	STE355
	NFA 35-502	-
	BS4306	WR50C
	UNI	Fe 510 D2K1

S355J2G1W steel plate Chemical analysis -% by mass*

Grades	C max	Si max	Mn	P max	S max.	Cu max	Cr max	Ni max	V max	Nb max	Al min
S235J2G1W	0.16	0.50	0.50-1.50	0.035	0.035	0.25-0.55	0.40-0.80	0.65	0.02-0.12	0.015-0.060	0.02

S355J2G1W steel sheet Mechanical properties

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]
-	355	510-610	22	-

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