

Steel Resistant to Atmospherical Corrosion ASTM A 588 GR. A

A 588 GR. A steel plate, **ASTM** A 588 GR. A steel plate, under **ASTM** standard, we can regard A 588 GR. A steel plate as Steel Resistant to Atmospherical Corrosion A 588 GR. A steel plate is one mainly of Steel Resistant to Atmospherical Corrosion, A 588 GR. A steel plate is a weather-resistant structural steel with mechanical properties similar to A 588 GR. A. 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.

A 588 GR. A ASTM	Comparison of steel grades	
	ASTM	S355J2G1W
	DIN17102	STE355
	NFA 35-502	-
	BS4306	WR50C
	ASTM	A 588 Gr. A

A 588 GR. A 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
A 588 GR. A	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

A 588 GR. A 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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