

Steel Resistant to Atmospherical Corrosion steel plate ASTM A588grA steel plate

A588grA steel plate, ASTM A588grA steel plate, under ASTM standard standard, we can regard A588grA steel plate as Steel Resistant to Atmospherical Corrosion steel plate
 A588grA steel plate is one mainly of Steel Resistant to Atmospherical Corrosion steel plate, A588 steel is a high-strength low-alloy steel plate used in structural applications such as bridges and buildings. Its advantage over A572 50 is its “weathering” ability, which provides atmospheric corrosion resistance and ultimately longer life in applications where exposure to elements will be a factor. We generally stock this material as A588 Gr A & B in plate and 606 in sheet.

A588 Grade A steel Chemical composition in Product analysis

Carbon, %		Manganese, %	Cr %	Silicon %	N % max	Sulfur %
Max 0.19		0.80-1.25	0.40-0.65	0.30-0.65	0.010	0.040
Cu %		Phosphorus %	Ni %	Mo %		
0.25-0.40		0.05	0.40		

A588 Grade A steel Mechanical Properties

Mechanical Property of A588GrA steel plate	A588 Grade A,A588GrA
Tensile strength, kis [MPa] 100mm or under 100mm-125mm 125mm-200mm	Tensile strength, kis [485] [460] [435]
Yield strength, min, kis [MPa] 100mm or under 100mm-125mm 125mm-200mm	Yield strength, min, kis [345] [315] [290]
Elongation in under [50mm], min, %	21
Elongation in under [50mm-200mm], min, %	18

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