

Carbon and low alloy steel ASTM A36 steel plate

A36 steel plate, ASTM A36 steel plate, under ASTM standard, we can regard A36 steel plate as Carbon and low alloy steel

A36 steel plate is one mainly of Carbon and low alloy steel, ASTM A36 steel is a widely accepted general purpose structural quality steel offering a constant 36 ksi min. yield point for all thicknesses of material. It is widely used in the construction of buildings, bridges and other structures by means of welding, bolting or riveting. This steel is useful because of its wide availability

Yield point, min. Ksi	up to & incl. 8" thick 36 over 8" thick 32
Tensile strength, Ksi	58-80
Elongation in 8 in., min., %	20
Elongation in 2 in., min., %	23

CHEMICAL REQUIREMENTS

Thickness, in	All	To 3/4	Over	Over	Over	Over
			3/4 to 3/2 incl.	3/2 to 5/2 incl.	5/2 to 4 incl.	4
Carbon, max, %	0.26	0.25	0.25	0.26	0.27	0.29
Manganese, %	-	-	0.80-1.20	0.80-1.20	0.85-1.20	0.85-1.20
Phosphorus, max, %	0.04	0.04	0.04	0.04	0.04	0.04
Sulfur, max, %	0.05	0.05	0.05	0.05	0.05	0.05
Silicon, %	-	0.40	0.40	0.15-0.40	0.15-0.40	0.15-0.40
Copper, min, %	0.20	0.20	0.20	0.20	0.20	0.20

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