

Carbon structural steel plate EN10025 FE E360B

FE E360B steel plate, EN10025 FE E360B steel plate, under EN10025 standard, we can regard FE E360B steel plate as Carbon structural steel. FE E360B 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

FE E360B steel mechanical property

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

FE E360B steel chemical composition

Thickness, in	All	To	Over	Over	Over	Over
		3/4	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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