

NFA 35-502 E36WA4,E36WA4 steel,E36WA4 grade,E36WA4 steel grade, E36WA4 steel plate,E36WA4 steel supplier

### E36WA4 Steel Description

E36WA4 steel grade is a hot rolled products of structural steels in technical delivery conditions with improved atmospheric corrosion resistance. The main alloying elements are chromium nickel and copper with added phosphorous which gives it excellent self protecting qualities. As the steel reacts with elements in the atmosphere, the material forms a layer of rust over time which in essence protects the steel from corrosion. E36WA4 steel is the Equivalent grades as S355J2WP (1.8946) steel in EN 10025 - 5 : 2004 standard and FE510D1K1 steel in UNI standard and also A242 Type1 steel in ASTM standard.

### E36WA4 Steel Delivery state

Hot Rolled, Cold Rolled, Normalized, Quenched, Tempering, Thermal Mechanical Control Process (TMCP), Electroslag Remelting Technical, HIC test.

### E36WA4 Steel Application

Corrosion resistant steel plate E36WA4 under standard NFA 35-502 is mainly used for container steel. Moreover, E36WA4 steel with improved atmospheric corrosion resistance has a wide range of applications: architecture, smokestacks, fabrication, freight wagons, silos, pylons and bridges. E36WA4 steel alloying with copper and chromium ensure the formation of a firmly adhering protective layer of rust which concurrently makes for an attractive appearance.

### E36WA4 Steel Chemical Composition

C %	Mn %	Cr %	Si %	CEV %	S %
Max 0.12	Max 1	0.3-1.25	Max 0.75	Max 0.52	Max 0.03
Cu %	P %				
0.25-0.55	0.06 - 0.15				

Method of deoxidation FF = fully killed steel

$$CEV = C + \frac{Mn}{6} + \frac{Cr+Mo+V}{5} + \frac{Ni+Cu}{15}$$

For long products the P and S content can be 0.005% higher

The E36WA4 steels may show a Ni content of max. 0,65 %

The E36WA4 steels shall contain at least one of the following elements: Al total  $\geq$  0,020 %, Nb: 0,015 - 0,060 %, V: 0,02 - 0,12 %, Ti: 0,02 - 0,10 %. If these elements are used in combination, at least one of them shall be present with the minimum content indicated.

### Bebon steel — The most professional exporter on weathering resistant steel

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### E36WA4 Steel Mechanical Properties

Grade	Min. Yield Strength Mpa						Tensile Strength MPa			Impact	
	Nominal Thickness (mm)						Nominal Thickness (mm)			degree	J
Thick mm	≤16	>16	>40	>63	>80	>100	≤3	>3 ≤100	>100 ≤150	-20	27
		≤40	≤63	≤80	≤100	≤150					
E36WA4	355	345	....	....	....	....	510-680	470-630	....		

If E36WA4 mechanical properties have been significantly modified by heavy coldforming, either stress relief annealing or normalised may be applied. Normalised should also be applied following hotforming outside of the temperature range of 750 - 1.050 °C and after overheating. The tensile test values given in the table apply to longitudinal samples; in case of strip and sheet steel of widths of  $\geq 600$  mm they apply to transverse samples.

### E36WA4 Steel Services

Cutting, Painting, shot blast, and The third party inspection in DNV, BV, LR, GL, ABS, CCS, SGS, and others in super thick ship steel plate.

Henan Bebon International Co., Ltd is specialized in super thick atmospheric corrosion resistance of structural steel plate. Bebon International has very good relationship with every big steel mill, so we could promise the delivery time and the competitive price compared with other companies. Besides that, Bebon International is a professional E36WA4 steel exporter and a steel Stockist in china. We keep more than 1000 tons E36WA4 steel in stock every month. So, if you have any inquiry about E36WA4 steel, if you are looking for a sincerely E36WA4 steel supplier and want to get the E36WA4 steel price, please do not hesitate to contact us. Any need in E36WA4 steel grade, please feel free to contact us by email or calling to us, we will supplier high quality E36WA4 steel with competitive price to you soon.

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