

NFA 35-502 E24W4,E24W4 steel,E24W4 grade,E24W4 steel grade,E24W4 steel plate,E24W4 steel supplier

E24W4 Steel Description

E24W4 steel grade is a hot rolled products of structural steels in technical delivery conditions with improved atmospheric corrosion resistance.

E24W4 steel is the Equivalent grades as S235J2W (1.8961) steel in EN 10025 - 5 : 2004 standard and WTSt 37-3 steel in SEW087 standard and also Fe360DK1 steel in UNI standard.

E24W4 Steel Application

Because of its low carbon content and fine-grained structure, E24W4 Steels with improved atmospheric corrosion resistance have excellent weldability. So E24W4 steel is mainly used for manufacturing welded, riveted or bolted structures.

Moreover, E24W4 steel with improved atmospheric corrosion resistance has a wide range of applications: architecture, smokestacks, fabrication, freight wagons, silos, pylons and bridges.

E24W4 Steel Supply Size

Thickness: From 2mm to 460mm

Width: From 1500mm to 3200mm

Length: From 6000mm to 12000mm

E24W4 Steel Delivery State

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

E24W4 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.

E24W4 Steel Chemical Composition

C %	Mn %	Cr %	Si %	CEV %	S %
Max 0.13	0.2-0.6	0.4-0.8	Max 0.4	Max 0.44	Max 0.3
Cu %	P %				
0.25-0.55	Max 0.035				

Method of deoxidation FF = fully killed steel

Bebon steel — The most professional exporter on weathering resistant steel

Tel: 0086-371-86151527

E-mail: bb@bebonchina.com

Fax: 0086-371-86011881

MSN: bebonchina@hotmail.com

Skype: bebonchina

Web: <http://www.shipbuilding-steel.com>

<http://www.bebonchina.com>

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.

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

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

The E24W4 steels may show a Ni content of max. 0,65 %

The E24W4 steels shall contain at least one of the following elements: Al total ≥ 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.

E24W4 Steel Mechanical Properties

Grade	Min. Yield Strength Mpa						Tensile Strength MPa			Impact	
	Nominal Thickness (mm)						Nominal Thickness (mm)			degree	J
E24W4	≤16	>16 ≤40	>40 ≤63	>63 ≤80	>80 ≤100	>100 ≤150	≤3	>3 ≤100	>100 ≤150	-20	27
E24W4	235	225	215	215	215	195	360-510	360-510	350-500		

The tensile test values given in the table apply to longitudinal samples; in case of strip and sheet steel of widths of ≥600 mm they apply to transverse samples.

If E24W4 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.

Henan Bebon International Co., Ltd is specialized in super thick atmospheric corrosion resistance of structural steel plate. Bebon International is a professional E24W4 steel exporter and a steel Stockist in china. Bebon International is one of the largest agent of Wuyang mill in HBIS. We have many stock in steel plate in shanghai and Wuyang warehouse. We keep more than 1000 tons E24W4 steel in stock every month. So, if you have any inquiry about E24W4 steel, if you are looking for a sincerely E24W4 steel supplier and want to get the competitive E24W4 steel price, please do not hesitate to contact us. We will offer you the high quality steel, reasonable price and short leadtime.

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Tel:0086-371-86151527

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