

SEW087 WTSt 37-3, WTSt 37-3 steel, WTSt 37-3 grade, WTSt 37-3 steel grade, WTSt 37-3 steel plate, WTSt 37-3 steel supplier

WTSt 37-3 Steel Description

WTSt 37-3 steel grade is a hot rolled products of structural steels in technical delivery conditions with improved atmospheric corrosion resistance.

WTSt 37-3 steel is the Equivalent grades as S235J2W (1.8961) steel in EN 10025 - 5 : 2004 standard and E24W4 steel in NFA 35-502 standard and also Fe360DK1 steel in UNI standard.

WTSt 37-3 Steel Application

Because of its low carbon content and fine-grained structure, WTSt 37-3 Steels with improved atmospheric corrosion resistance have excellent weldability. So WTSt 37-3 steel is mainly used for manufacturing welded, riveted or bolted structures.

Moreover, WTSt 37-3 steel with improved atmospheric corrosion resistance has a wide range of applications: architecture, smokestacks, fabrication, freight wagons, silos, pylons and bridges.

WTSt 37-3 Steel Supply Size

Thickness: 2mm to 460mm
Width: 1500mm to 3200mm
Length: 6000mm to 12000mm

WTSt 37-3 Steel Delivery State

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

WTSt 37-3 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.

WTSt 37-3 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

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

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

The WTSt 37-3 steels may show a Ni content of max. 0,65 %

The WTSt 37-3 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.

WTSt 37-3 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					
WTSt 37-3	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 WTSt 37-3 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 WTSt 37-3 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 WTSt 37-3 steel in stock every month. So, if you have any inquiry about WTSt 37-3 steel, if you are looking for a sincerely WTSt 37-3 steel supplier and want to get the competitive WTSt 37-3 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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