

## NK E36 Shipbuilding steel plate

The NK E36 steel plate is the mainly kinds of steel for shipbuilding and oil platform, the shipbuilding grade NK E36 can be used in the manufacture of the ship's hull structure, whose weight is more then 10000 tons.

Shipbuilding grade NK E36 Steel is the high tensile strength steel, NK E36 steel for shipbuilding and oil platform must be good toughness properties, higher strength, strong corrosion-resistance, the processing properties, and welding properties.

### NK E36 steel plate Chemical Composition %

Grade	C max	Si max	Mn	P max	S max	Als min	Ti max	Cu max	Cr max	Ni max	Mo max	Nb	V
NK E36	0.1 8	0.5 0	0.9 0- 1.6 0	0.0 35	0.0 35	0.0 15	0.0 2	0.3 5	0.2 0	0.4 0	0.0 8	0.0 2- 0.0 5	0.0 5- 0.1 0

Note: Generally speaking CE will be  $\leq 0.40\%$ . If the delivery condition is TMPC, the CE will be :  $\leq 0.38\%$  (thickness  $\leq 50\text{mm}$ ),  $\leq 0.40\%$  ( when the thickness  $>50-100$ ).

$Ceq\% = (C+Mn)/6 + (Cr+Mo+V)/5 + (Ni+Cu)/15$ .

### NK E36 steel plate Mechanical Property

Grade	Rm (MPa)	Re(MPa) ) min	A% min	Akv/J min		
NK E36	490- 630	355	21	E.T °C		Thickness (mm)
				-40	$\leq 50$	$>50-70$

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

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									100	
					L	C	L	C	L	C
					3	2	4	2	5	34
					4	4	1	7	0	

Note: In the list , Rm: .tensile strength,Re: Yield strength,A%: elongation, E.T: experimental temperature,L: lengthways, C: crosswise.

### NK E36 steel plate Condition Of Delivery

Grade	Fine grains elements	category	The thickness of steel					
			≤ 12	>12.5-20	>20-25	>25-35	>35-50	>50-100
NK E36	Any	Plate/Sheet	N,TM					
		Profile steel	N(25),TM(25),AR*(15),CR*(15)					-

Note: 1. delivery condition: A =Any ; N=Normalized ; CR=Control Rolled ; TM=TMPC, Temperature - deformation control rolling; AR\*= Can be hot rolled with the agreement of Classification Society ; CR\*=Can be control rolled with the agreement of Classification Society .

2. The Figure in the ( ) means the sampling volume to do the impact test, the unit is Ton.(-) means without impact test.

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**NK E36 steel Contrast in the different standard**

ASTM A131M	TOCT 5521	BS LR	GB712
<b>NK E36</b>	<b><u>E36</u></b>	EH36	E36

Key Words: Supply NK E36 steel for shipbuilding, NK E36 steel for shipbuilding manufacturer,  
NK E36 steel for shipbuilding suppliers, manufacture NK E36 steel for shipbuilding,  
NK E36 steel for shipbuilding warehouser,

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