



### LR AH32 shipbuilding steel plate

LR AH32 steel is a kind of hot rolled high tensile strength steel. As with other grades of steel, LR AH32 steel has a specific gravity of 7.8. Higher-strength LR shipbuilding steel comes in 12 grades of 3 strengths, AH32 is one of the grades. The LR AH 32 grade steel plates have yield strength of 45,500 psi (315 MPa), and ultimate tensile strength of 64,000 - 85,000 psi (440-590 MPa). All the LR AH32 shipbuilding Steel offered by Katalor Industry can be certificated by Lloyd's Register of Shipping (LR).

### The application of LR AH32 shipbuilding steel plate

LR AH32 Shipbuilding steel plates are mainly used for making the hull of ship building and ship repairing, the offshore oil drilling platform, the platform pipe joints and other components. LR AH32 Shipbuilding steel plates also can be used for producing container and bulk cargo vessels

### LR AH32 Shipbuilding Steel plate Chemical Composition

Grade	C %	Si %	Mn %	P %	S %	V %	AL %	Cr %
LR Grade AH32	0.180	0.1-0.5	0.90-1.6	0.035	0.035	0.05-0.10	0.015	0.200
	Cu %	Mo %	Nb %	Ni %	Ti %			
	0.350	0.080	0.02-0.05	0.400	0.020			

### LR AH32 Shipbuilding Steel plate Mechanical Properties

Grade	Thickness(mm)	MinYield(Mpa)	Tensile(Mpa)	Elongation (%)	Min Impact Energy	
LR Grade AH32	8mm-50mm	Min 315Mpa	440-590Mpa	22%	-	34J
	51mm-70mm	Min 315Mpa	440-590Mpa	22%	-	38J
	71mm-100mm	Min 315Mpa	440-590Mpa	22%	-	46J

The min impact energy is longitudinal energy

### Rolling Size of LR AH32 shipbuilding steel plate

Thickness	3-150mm
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Width	1220-4200mm
Length	5000-18000mm

Notes: coil thickness  $\leq$  25mm

As a LR AH32 shipbuilding steel plate manufacturer, we usually keep hundreds tons LR AH32 shipbuilding steel plate in stock each month. Based on these stock source, our advantage has spread into steel process like : cutting ( any size and any shape ) drilling, welding, milling, welding. We can also provide the LR AH32 shipbuilding steel plate in machining parts and steel structure.



specialized in manufacturing and exporting steel and casting product. Based on the domestic rich product resources and professional research on international market, Katalor's service has already spread many countries in Europe , America, Southeast Asia, Middle East, South America, Africa, and so on.

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