



GL FH40 shipbuilding steel plate

GL FH40 shipbuilding steel plate is a kind of hot rolled high tensile strength steel. The GL FH40 shipbuilding steel plate have yield strength of 56,500 psi (390 MPa), and ultimate tensile strength of 74,000 - 94,500 psi (510-650 MPa). GL FH40 shipbuilding steel plate can achieve the impact toughness at Celsius degree -60°. All the GL FH40 shipbuilding steel plate offered by Katalor Industry can be certificated by Germanischer Lloyd (GL).

The application of GL FH40 shipbuilding steel plate

GL FH40 shipbuilding steel plate are mainly used for making the offshore oil drilling platform, the hull of ship building and ship repairing, the platform pipe joints and other components.

The rolling size of GL FH40 shipbuilding steel plate

Thickness	1.2-40mm
Width	1220-4200mm
Length	5000-18000mm

Notes: coil thickness ≤ 25mm

GL FH40 shipbuilding steel plate Chemical Composition

Grade	C %	Si %	Mn %	P %	S %	V %	AL %	Cr %
GL Grade FH40	0.160	0.1-0.5	0.90-1.6	0.025	0.025	0.05-0.10	0.015	0.200
	Cu %	Mo %	Nb %	Ni %	Ti %	N%		
	0.350	0.080	0.02-0.05	0.800	0.020	0.009		

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GL FH40 shipbuilding steel plate Mechanical Properties

Grade	Thickness(mm)	MinYield(Mpa)	Tensile(Mpa)	Elongation (%)	Min Impact Energy	
					-60	34J
GL Grade FH40	8mm-50mm	Min 390Mpa	510-650Mpa	20%	-60	34J
	51mm-70mm	Min390Mpa	510-650Mpa	20%	-60	41J
	71mm-100mm	Min 390Mpa	510-650Mpa	20%	-60	50J

The min impact energy is longitudinal energy

As a GL FH40 shipbuilding steel plate manufacturer, we usually keep hundreds tons GL FH40 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 GL FH40 shipbuilding steel plate in machining parts and steel



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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