



GB/T1591Q460E carbon and low alloy steel plate on sale

GB/T1591Q460E carbon and low alloy steel plate is used as a high-strength steel structure for engineering and general structural applications requiring impact performance at low temperatures of -40°C. Katalor supply GB/T1591Q460E carbon and low alloy steel plate with good price and quality. The below is the detail information of GB/T1591Q460E carbon and low alloy steel plate.

The application of GB/T1591Q460E carbon and low alloy steel plate:

GB/T1591Q460E carbon and low alloy steel plate mainly used in the manufacture of bridges, ships, vehicles, boilers, high pressure vessels, gas pipelines, and large steel structures.

GB/T1591Q460E carbon and low alloy steel plate Chemical composition Max % of the Product analysis of grade:

C	Si	Mn	P	S	Nb	V	Ti
0.20	0.60	1.80	0.025	0.020	0.11	0.20	0.20
Cr	Ni	Cu	N	Mo	B	Als min	
0.30	0.80	0.55	0.015	0.20	0.004	0.015	

GB/T1591Q460E carbon and low alloy steel plate Yield strength:

Nominal thickness (mm)	To 16	16-40	40-63	63-80	80-100	100-150	150-200	200-250	250-400
ReH - Minimum yield strength (MPa)	460	440	420	400	400	380	-	-	-

GB/T1591Q460E carbon and low alloy steel plate Tensile Strength:

Nominal thickness (mm)	To 40	40-63	63-80	80-100	100-150	150-250	250-400
ReH - Minimum yield strength (MPa)	550-720	550-720	550-720	550-720	530-700	-	-



GB/T1591Q460E carbon and low alloy steel plate Impact Test degree and energy

	Min Energy Nominal thickness		
Temperature °C	-40		
Thickness (mm)	12-150	150-250	250-400
Notch impact test. Min. absorbed energy	34	-	-

The rolling size of GB/T1591Q460E carbon and low alloy steel plate:

Thickness	1.2-600mm
Width	1220-4200mm
Length	5000-18000mm

Notes: coil thickness  $\leq$  25mm

Katalor has perfect logistics system, strong team, first-rate service. we have been never received the bad feedback from our clients of GB/T1591Q460E carbon and low alloy steel plate. GB/T1591Q460E carbon and low alloy steel plate as our main steel plate, katalor have huge advantage on supplying it . welcome to send us your inquiry if you are looking for the suppliers of GB/T1591Q460E carbon and low alloy steel plate.



Shanghai Katalor Enterprises  
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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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