



HSLA Steel Sheet



Low alloy steel (HSLA) is referred to alloy elements less than 3.5% of the total. Relative to carbon steel, low alloy steel, on the basis of carbon steel in order to improve one or more performances of steel is added one or several alloy steel elements. The alloy is more than carbon steel during normal production methods, which is called alloy steel. Alloy less than 3.5%, it is called low alloy steel; alloy between 3.5% and 10%, it is called medium alloy steel; alloy more than 10%, it is called high alloy steel.

Technical Parameters:

Steel Grade	Executive Standard
12Mn, 16Mn, 15MnV, 15MnVN 14MnNb	GB3274-88
Q295(A,B),	GB/T1591-94
Q345(A,B,C,D,E) ≤ 100mm	GB/T1591-94
Q345(A,B,C,D,E) ≥ 102mm	Q/WTB8 - 2000
Q390(A,B,C,D,E) Q420(A,B,C,D,E) Q460(C,D,E)	GB/T1591-94
Q500(D,E), Q550(D,E), Q620(D,E), Q690(D,E)	GB/T16270
SM490(A,B,C), SM490Y(A,B) SM520(B,C), SM570	JIS G3106
SS490, SS540	JIS G3101
St44-3, St52-3, St50-2 St60-2, St70-2	DIN17100
StE315, StE355, StE380 StE420, StE460, StE500	DIN17102
A572M(Gr42, 50, 60, 65) A633M(A, C, D, E)	ASTM
S275(JR, J0, J2G3, J2G4) S355(JR, J0, J2G3, J2G4, K2G3, K2G4) E295, E335, E360	EN10025
S275N, S275NL, S355N, S355NL S420N, S420NL, S460N, S460NL	EN10113
50(A, B, C, D, DD, EE, F)	BS4360



43(A,B,C,D,EE),55(C,EE,F)	
WH60 (A、B、C、D、E) ,	WJX013-2001
WH70	WYJ060-2000
WH80	WYJ002-2002
WH410LK(BB41BF) WH490LK(BB503)	special purpose & condition
E355(DD,E),E460(CC,DD,E)	ISO4950-2
E420(DD,E),E460(DD,E) E550(DD,E) High-strength low-alloy (HSLA)	ISO4950-3
Fe430(A,B,C,D) Fe510(B,C,D)	ISO630

- **Thickness:** 8mm-300mm
- **Width:** 1500mm-4020mm
- **Length:** 3000mm-18000mm
- **Maximum Weight for Single Order:** 25 Ton Status on Delivery.

According to the performance and the requirements from clients, the status on delivery of steel plate can be hot rolled ,controlled rolling, normalizing,annealed tempering, normalizing + tempering, hardening + tempering , etc.

Flaw detection & Through-Thickness Property:

We are capable of manufacturing the steel plate with additional flaw detection and Z15-Z35 tear resistance (Through-Thickness Property), also can supply you with Z-Direction Steel Plate according to ASTM、A770 standard.

Application:

Apply to manufacture factory building, civil building and all kinds of engineering machinery in mine industry and various of civil construction, such as drilling rig, electric shovel, powered wheel tipper, mining vehicles, excavators, loaders, bulldozers, industrial blowers, various types of cranes, mining machinery and equipment, such as hydraulic support and other structural parts.

