

API 5L Gr.B steel plate/pipes for large diameter pipes

Gr.B steel plate/steel for pipes, [API 5L Gr.B steel plate/pipes](#), under API 5L standard, Grade B steel used for pipes, API 5L Gr.B steel plate for pipe and tube using, API 5L Gr.B steel supplier/Chinese supplier, Gr.B steel manufacturer, Gr.B steel price.

Gr.B steel plate/sheet is in API 5L standard. It's grade Number is 1.0457. The equal material of Gr.B is: DIN 17172 StE240.7, EN10208-2 L245NB.

Gr.B API 5L Material#1.0457	Comparison of steel grades	
	DIN 17172	StE240.7
	EN10208-2	L245NB

Main chemical composition in [API 5L Gr.B steel](#) : Carbon:max 0.17, Manganese max 0.40, Sulphur max 0.035, Phosphorus max 0.04, Silicon max 0.45. More detailed information, please refer to the flowing table:

Chemical analysis -% by mass*

Grades	Material number	C max	Si max	Mn. mix	P max	S max
Gr.B	1.0457	0.17	0.45	0.4	0.04	0.035

Gr.B steel plate/pipes is one mainly of Steel for large diameter pipes, [API-Gr.B steel](#) is manufactured using premium grade of raw material. These are used to flow steam, water, oil and various petrochemicals substance in various petrochemical and chemical industries. These Steel Seamless Pipes are widely appreciated for high performance and less maintenance. It's yield strength is around 240 MPa. API 5L Gr.B tensile strength is from 370 MPa to 490 MPa. More detailed information about API 5L Gr.B steel Mechanical Properties, please refer to the following table:

Mechanical properties:

Grade	Permissible yield point ratio	Yield Strength MPa(min)	Tensile Strength MPa	Elongation % (min)
Gr.B	≤ 0.85	240	370 - 490	24

ICE steel is the professional Chinese API 5L Gr.B steel exporter, we can supply all kinds of steel products like API 5L Gr.B steel plate, API 5L Gr.B steel sheet, metal sheet, flanges, steel circle, color coated steel plate, hot plate, steel coils, etc. If our products API 5L Gr.B steels are helpful to you, please be free to contact, we promise to give you the most competitive prices and best services for API 5L Gr.B steel.

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Ice steel — The most professional exporter on weathering resistant steel

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