

## Steel for Boilers and Pressure Vessels

Pressure vessel and boiler quality steel are commonly used throughout the oil industry (including inshore and offshore), the petrochemical industry and the gas production industry.

Boiler steel plate has good strength, it can be made of boilers and components to withstand a certain long-term high temperature stress; Boiler steel plate has good toughness and low effectiveness of the tendency in the use of bending, curling, deformation processing such as cold, after more prolonged storage and use remains a good toughness; Boiler steel plate also has good weldability and resistance to intergranular corrosion. For the manufacture of boiler drum, beams and wall panels.

Steel for Pressure Vessels contains: Low-temperature low-alloy steel for pressure vessel, normal temperature pressure uses the steel, Quenched and tempered high strength steel plates for pressure vessels.

The delivery condition of Boilers and Pressure Vessels Steel are: Normalize, annealing, tempering, TMCP, PWHT, impact test, Q&T.

The main steel grade of Pressure vessel and boiler quality steel are :

EN 10028-2: P 235 GH, P 265 GH, P 295 GH, P 296 GH, P 355 GH

EN 10028-3: P 275 N, P 275 NHP, 275 NL 1, P 275 NL 2, P 355 N, P 355 NH, P 355 NL 1, P 355 NL 2

DIN17165 : HI , HII, 17 Mn 4, 19 Mn 8

DIN17102: St E 255, W St E 255, T St E 255, E St E 255, St E 285, W St 285, T St E 285, E St E 285, St E 315, W St 315, T St E 315, E St E 315. St E 355, W St E 355, T St E 355, E St E 355.

JIS G 3115: SPV 235, SPV 315 ,SPV 355

JIS G 3103: SB 410 ,SB 450, SB 480

ASTM: A 285gr.A/B/C, A 299, A441, A442gr.55/60, A455, A515gr55/60/65/70, A516gr55/60/65/70, A537CL1/2/3, A 612, A 622grA/B/C. A737grB/C.

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### **Bebon steel — The most professional exporter on weathering resistant steel**

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Europe			Germany DIN			franch	Japan JIS G		USA
EN 10028-2	EN 10028-3	EU 113	17135	17165	17102	NFA36205	3115	3103	ASTM
P235 GH		FeE255KG KW,KT	A St 35	HI	St E 255		SPV 235	SB 410	A 285gr.A,B,C
					W St E 255				
					T St E 255				A299
					E St E 255	A 37 CP, AP,FP			A441gr.55,60
P 265 GH	P 275 N	FeE285KG,KW,KT	A St 41	HI	St E 285				
	P 275 NH				W St 285	A 42 CP,AP,FP			A442 gr.55,60
	P 275 NL 1				T St E 285				A455
	P 275 NL 2				E St E 285				
P295 GH		FeE315KG,KW,KT	A St 45	17 Mn 4	St E 315		SPV 315	SB450	A515gr.55,60,65,70
					W St E 315	A 48 CP,AP,FP			

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					T St E 315				A516gr.55,60,65,70
					E St E 315				
P 355 GH	P 355 N	FeE355KG,KW,KT	A St 52	19 Mn 8	St E 355		SPV 355	SB 480	A 537class 1
	P 355 NH				W St E 355	A 52 CP,AP,FP			
	P 355 NL1				T St E 355				A 612
	P 355 NL2				E St E 355				A 622gr.A,B,C
									A737gr.B,C

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