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Henan BEBON international co.,ltd**DIN EN 10207 SPH 235 steel plate/sheet for simple pressure vessels steel**

SPH235 steel plate/sheet, DIN EN10207 SPH235 steel plate/sheet, under DIN EN10207 standard, we can regard SPH235 steel plate/sheet for simple pressure vessels steel.

SPH235 steel plate/sheet is one mainly of Steel for simple pressure vessels steel. DIN EN10207 SPH235 steel grade is for simple pressure vessels. SPH-235, SPH-265, SPH-275 is a type of simple pressure vessels steel, these steel grades are characterised by a minimum yield strength of 235 - 275 MPa and by good weldability. The user of these steel grades must make sure that his calculation, design and processing methods are appropriate for the material.

German	Material Number	Europe	France	International	GB	FK
DIN10207		EN 10207	NFA 36-205	UNI 5869	BS 1501	Â
SPH 235	1.0112	P235S	A 37 AP	Fe 360-2kw	164-360B LT20	A

FK=Tensile strength class

The Chemical Composition of SPH-235

Grade	CMax	SiMax	Mn	PMax	SMax	AlMin
SPH-235	0.16	0.35	0.40-1.20	0.025	0.025	0.02

The Mechanical Properties of SPH-235

Grade	Min. Yield Strength MPa		Min. Yield Strength MPa	Min. Total Elongation [%]		
	e ² Â	16<e ² Â		Lo=		Lo=5,65
	â ²16	â ²16		2<e ² Â	2,5<e ² Â	3<e ² Â
				â ²2,5	â ²3	â ²40
SPH-235	235	225	360-480	20	21	26

Yield Point at Elevated Temperature

Grade	Min. 0,2% Yield Point [MPa] at Elevated Temperature				
	100	150	200	250	300
SPH-235	171	162	153	135	117

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