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**Henan BEBON international co.,ltd****DIN EN 10207 SPH 275 steel plate/sheet for simple pressure vessels steel**

SPH275 steel plate/sheet, DIN EN10207 SPH275 steel plate/sheet, under DIN EN10207 standard, we can regard SPH275 steel plate/sheet for simple pressure vessels steel.

SPH275 steel plate/sheet is one mainly of Steel for simple pressure vessels steel. DIN EN10207 SPH275 steel grade is for simple pressure vessels. It is a type of simple pressure vessels steel, these steel grades are characterised by a minimum yield strength of 390-510 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 275	1.11	P245S	-	-	-	A

FK=Tensile strength class

The Chemical Composition of SPH-275

Grade	CMax	SiMax	Mn	PMax	SMax	AlMin
SPH-275	0.16	0.4	0.50-1.50	0.025	0.02	0.02

The Mechanical Properties of SPH-275

Grade	Min. Yield Strength MPa		Min. Yield Strength MPa	Min. Total Elongation [%]		
	$e^2 \hat{A}$	$16 < e^2 \hat{A}$		Lo=		Lo=5,65
	$\hat{A} \approx 16$	$\hat{A} \approx 16$		$2 < e^2 \hat{A}$	$2,5 < e^2 \hat{A}$	$3 < e^2 \hat{A}$
				$\hat{A} \approx 2,5$	$\hat{A} \approx 3$	$\hat{A} \approx 40$
SPH-275	275	265	390-510	19	20	24

Yield Point at Elevated Temperature

Grade	Min. 0,2% Yield Point [MPa] at Elevated Temperature				
	100	150	200	250	300
SPH-275	221	203	176	159	132

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