

### DIN EN 10207 SPH 265 steel plate/sheet for simple pressure vessels steel

SPH265 steel plate/sheet, DIN EN10207 SPH265 steel plate/sheet, under DIN EN10207 standard, we can regard SPH265 steel plate/sheet for simple pressure vessels steel.

SPH265 steel plate/sheet is one mainly of Steel for simple pressure vessels steel. DIN EN10207 SPH265 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 410-530 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 265	1.013	P265S	A 42 AP	Fe 410-2kw	164-400B LT20	A

FK=Tensile strength class

The Chemical Composition of SPH-265

Grade	CMax	SiMax	Mn	PMax	SMax	AlMin
SPH-265	0.2	0.4	0.50-1.50	0.025	0.025	0.02

The Mechanical Properties of SPH-265

Grade	Min. Yield Strength MPa		Min. Yield Strength MPa	Min. Total Elongation [%]		
	e <sup>2</sup> Â	16<e <sup>2</sup> Â		Lo=		Lo=5,65
	â 16	â 16		2<e <sup>2</sup> Â	2,5<e <sup>2</sup> Â	3<e <sup>2</sup> Â
				â 2,5	â 3	â 40
SPH-265	265	255	410-530	17	18	22

Yield Point at Elevated Temperature

Grade	Min. 0,2% Yield Point [MPa] at Elevated Temperature				
	100	150	200	250	300
SPH-265	194	185	176	158	140

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