

BS 5045 Type C steel plate/sheet for gas cylinders and gas vessels

Type C steel plate/sheet, under BS 5045 standard, we can regard Type C steel plate/sheet for gas cylinders and gas vessels.

Type C steel plate/sheet is one mainly of Steel for gas cylinders and gas vessels. BS 5045 Type C steel is grade for gas cylinders in SG255, SG295, SG325 and SG365, which all with the different tensile strength of 400MPa, 440MPa, 490MPa and 540MPa.

Chemical composition unit%

Symbol	Chemical composition				
	C max	Si max	Mn max	P max	S max
Type C	0.20	0.55	1.50	0.040	0.040

Mechanical properties

Symbol	Yield point or proof stress N/mm ² (min)	Tensile strength N/mm ² min	Elongation % min	Tensile test piece	Bendability		
					Bending Angle	Inside radius	Test piece
Type C	365	540	20	NO.5 in rolling direction	180°	Thickness x 1.0 Thickness x 1.5	No.3 in rolling direction

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