

THE SG255 steel plate is characterised by a minimum yield strength of 245 - 355 MPa and by good weldability. The user of **SG255 steel grades** must make sure that his calculation, design and processing methods are appropriate for the material. **The SG255 steel grades** of this series are used for manufacturing gas cylinders by welding cold-formed parts together and normalizing the finished cylinder.

JIS G 3116-2000

Steel sheet, plate and strip for gas cylinders

SG255 hot steel Chemical composition

unit%

Chemical composition

Symbol	C	Si	Mn	P	S
	max	max	max	max	max
SG255	0.20	-	0.30	0.040	0.040
SG295	0.20	0.35	1.00	0.040	0.040
SG325	0.20	0.55	1.50	0.040	0.040
SG365	0.20	0.55	1.50	0.040	0.040

SG255 steel plate Mechanical properties

Symbol	Yield point	Tensile strength N/mm2 min	Elongation % min	Tensile test piece	Bending Angle	Bendability	
	or proof stress N/mm2 (min)					Inside radius	Test piece
SG255	255	400	26	NO.5 in rolling	180°	Thickness x 1.0	No.3 in rolling direction
SG295	295	440	26	direct	180°	Thickness x 1.5	direction
SG325	325	490	22	on	180°		
SG365	365	540	20		180°		

BEBON international — We are specialized in hot rolled steel plate/coil.

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