

<b>Inspection Certificate:</b> (EN10204-3.1)	Certificate-No.01 202 TWN/Q-02-0114	Page 19 of 24
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Article : SEAMLESS CARBON STEEL ASTM SA234 WPB,BUTTWELD FITTINGS, ANSI B16.9

**Umfang der Lieferung (Detail of Casting Pieces)**

Item No.	Heat No.	Article	Size	Quantity
101	906	CON REDUCER, SCH.80	16" X 10"	4
102	906		16" X 12"	3
103	957		18" X 8"	3
104	957		18" X 10"	4
105	957		18" X 12"	3
106	957		18" X 16"	3
107	908		20" X 10"	3
108	908		20" X 12"	3
109	908		20" X 14"	3
110	908		20" X 16"	3

**A) Chemische Analyse /Chemical Analysis**

Schmelze Nr.	C %	Si %	Mn %	P %	S %	Ni %	Cr %	Mo %	Cu %	V %	N %
Heat No.	≤0.30	≥0.1	0.29-1.06	≤0.05	≤0.058	≤0.4	≤0.4	≤0.15	≤0.4	≤0.08	
906	0.190	0.260	0.460	0.026	0.029	0.001	0.001	0.001	0.001	0.001	
906	0.190	0.260	0.460	0.026	0.029	0.001	0.001	0.001	0.001	0.001	
957	0.200	0.300	0.440	0.024	0.024	0.001	0.001	0.001	0.001	0.001	
957	0.200	0.300	0.440	0.024	0.024	0.001	0.001	0.001	0.001	0.001	
957	0.200	0.300	0.440	0.024	0.024	0.001	0.001	0.001	0.001	0.001	
957	0.200	0.300	0.440	0.024	0.024	0.001	0.001	0.001	0.001	0.001	
908	0.180	0.280	0.470	0.027	0.028	0.001	0.001	0.001	0.001	0.001	
908	0.180	0.280	0.470	0.027	0.028	0.001	0.001	0.001	0.001	0.001	
908	0.180	0.280	0.470	0.027	0.028	0.001	0.001	0.001	0.001	0.001	
908	0.180	0.280	0.470	0.027	0.028	0.001	0.001	0.001	0.001	0.001	

**B)Mechanische Pruefung: Zugpruefung / Tensile Test Harte / Hardness**

**Kerbschlagarbeit / Charpy**

Probe Nr. Specimen	Prueftemp Test Temp	RP 0.2	RP 1.0	Zugfestigkeit	Bruchdehnung	Harte	Kerbschlagarbeit ISO V Probe			
		Proof stress	Proof stress	Tensile Strength	Elongation	Hardness	Energy Charpy Impact			
Nr./No	°C	N/mm <sup>2</sup>	N/mm <sup>2</sup>	N/mm <sup>2</sup>	%	HB	Joule ≥60			
		≥240		415-585	≥22		1	2	3	AVE
906		274		471	27					
906		274		471	27					
957		275		479	26					
957		275		479	26					
957		275		479	26					
957		275		479	26					
908		285		564	29					
908		285		564	29					
908		285		564	29					
908		285		564	29					

Place Taichung Taiwan

Date

2018/10/24

Inspector

Bibby

