

<b>Inspection certificate 3.1</b> <b>DIN EN 10204</b> (A02)		No. (A03)	641214
		Page	1/2
		Date	09.04.2015
No. (A07)	Plesa	23.02.2015	No. (A07)
Purchaser (A08)	Salzgitter Mannesmann International GmbH 40409 Düsseldorf	Consumer	Plesa Anahuac y Cias., S.A. de C.V. 54940 COL. SAN FRANCISCO CHILPAN MEXIKO
Product (B01)	W-Shapes acc. ASTM A6	Works order No. (A06)	0000408327
Steel grade and terms of delivery (B02-B03)	ASTM A 992-06a ASTM A 992-06a:2007	Dispatch note No.	0085512319 07.04.2015
		Inspection (A05)	WS

Material data (B01-B09)						
Item	Heat No. (B07)	Quantity (B08)	Cond. of delivery (B04)	Product (B07)	Length (B09-B11)	Weight (B12)
					ft	kgs
04	18067	72	AR	W10X22LBS/FT	40'	28.878
04	18070	24	AR	W10X22LBS/FT	40'	9.626
Σ		96	AR: as rolled			38.504

Dimensional check and visual examination of the surface condition:  
without objection

Ladle analysis (C70-C96)										
Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	V %	Nb %	Ti %
	≤0,23	≤0,40	0,50 - 1,50	≤0,035	≤0,045	≤0,012		≤0,15	≤0,05	
18067	0,09	0,18	1,25	0,018	0,015	0,012	0,009	0,05	0,00	0,00
18070	0,10	0,18	1,27	0,015	0,012	0,011	0,009	0,05	0,00	0,00
Heat No. (B07)	Cu %	Cr %	Ni %	Mo %	Sn %	EV1 1) %	V+Nb %			
	≤0,80	≤0,35	≤0,45	≤0,15		≤0,45	≤0,15			
18067	0,37	0,14	0,15	0,03	0,02	0,38	0,05			
18070	0,35	0,09	0,14	0,02	0,02	0,38	0,05			

1) EV1: CEV=C+Mn/5+Mo/5+Ni/15+Cr/5+V/5+Cu/15

Steel making: Electric process (C70)

Tensile test (C10-C28)									
Heat No. (B07)	Product (C00)	Location (C01)	Direct. (C02)	Type (C10)	Yield point (C11) ReH N/mm <sup>2</sup> 345 - 450	Tensile strength (C12) Rm N/mm <sup>2</sup> 450 - 650	Elongation (C13) 200mm % ≥18	RA/Rm	
		1)	2)	3)				≤0,85	
18067	W10X22LBS/FT	ST	L	P	442	562	28	0,79	
18067	W10X22LBS/FT	ST	L	P	446	557	29	0,80	

1) ST: Web  
2) L: longitudinal  
3) P: prismatic

We hereby certify that the delivered material complies with the terms of the order.  
(Z01)



Peiner Träger GmbH  
Gerhard-Lucas-Meyer-Str. 10  
D-31228 Peine  
(A01)

Inspection Representative (Z02)

Link

<b>Inspection certificate 3.1</b>		<b>No. (A03)</b>	<b>641214</b>
<b>DIN EN 10204</b>		<b>Page</b>	<b>2/2</b>
<b>(A02)</b>		<b>Date</b>	<b>09.04.2015</b>
<b>No. (A07)</b>	<b>Plesa</b>	<b>23.02.2015</b>	<b>No. (A07)</b>
<b>Purchaser (A08)</b>	<b>Salzgitter Mannesmann International GmbH</b>	<b>40409 Düsseldorf</b>	<b>Consumer</b>
			<b>Plesa Anahuac y Cias., S.A. de C.V.</b>
			<b>54940 COL. SAN FRANCISCO CHILPAN MEXIKO</b>
<b>Product (B01)</b>	<b>W-Shapes acc. ASTM A6</b>		<b>Works order No. (A08)</b>
			<b>0000408327</b>
<b>Steel grade and terms of delivery (B02-B03)</b>	<b>ASTM A 992-06a</b>		<b>Dispatch note No.</b>
		<b>ASTM A 992-06a:2007</b>	<b>0085512319</b>
			<b>07.04.2015</b>
			<b>Inspection (A06)</b>
			<b>WS</b>

<b>Tensile test (C10-C28)</b>									
<b>Heat No. (B07)</b>	<b>Product (C00)</b>	<b>Location (C01)</b>	<b>Direct (C02)</b>	<b>Type (C10)</b>	<b>Yield point (C11)</b>	<b>Tensile strength (C12)</b>	<b>Elongation (C13)</b>	<b>ReH/Rm</b>	
18070	W10X22LBS/FT	ST	L	P	449	570	31	0,79	
18070	W10X22LBS/FT	ST	L	P	444	566	30	0,78	

1) ST: Web  
2) L: longitudinal  
3) P: prismatic

Fully killed steel produced by  
an electric arc furnace

We hereby certify that the delivered material complies with the terms of the order.  
(Z01)



**Peiner Träger GmbH**  
Gerhard-Lucas-Meyer-Str. 10  
D-31226 Peine  
(A01)

Inspection Representative  
(Z02)

Link