

<b>Inspection certificate 3.1</b>		No. (A03)	641213
<b>DIN EN 10204</b>		Page	1/2
(A02)		Date	09.04.2015
No. (A07)	Plesa	23.02.2015	No. (A07)
Purchaser (A06)	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. (A08)	0000408327
Steel grade and terms of delivery (B02-B03)	ASTM A 992-06a ASTM A 992-06a:2007	Dispatch note No.	0085512323 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)	ft	Weight (B12)
04	18052	72	AR	W10X22LBS/FT	40'		28.878
04	18053	36	AR	W10X22LBS/FT	40'		14.439
Σ		108	AR: as rolled				43.317

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

Ladle analysis (C70-C99)										
Heat No. (B07)	C %	Si %	Mn %	P %	S %	N %	Al %	V %	Nb %	Ti %
	≤0,23	≤0,40	0,50 - 1,90	≤0,035	≤0,045	≤0,012		≤0,15	≤0,05	
18052	0,09	0,19	1,32	0,016	0,007	0,011	0,009	0,05	0,00	0,00
18053	0,09	0,18	1,31	0,017	0,009	0,012	0,008	0,05	0,00	0,00
Heat No. (B07)	Cu %	Cr %	Ni %	Mo %	Sn %	EV1 1) %	V+Nb %			
	≤0,60	≤0,35	≤0,45	≤0,15		≤0,45	≤0,15			
18052	0,29	0,08	0,12	0,02	0,02	0,37	0,05			
18053	0,28	0,08	0,11	0,02	0,02	0,36	0,05			

1) EV1: CEV=C+Mn/8+Mo/5+Ni/15+Cr/5+V/5+Cu/15

Steel making: Electric process (C70)

Tensile test (C10-C29)										
Heat No. (B07)	Product (C00)	Location (C01)	Direct. (C02)	Type (C10)	Yield point (C11) ReH N/mm <sup>2</sup>	Tensile strength (C12) Rm N/mm <sup>2</sup>	Elongation (C13) 200mm %	ReH/Rm		
		1)	2)	3)	345 - 450	450 - 650	≥18	≤0,85		
18052	W10X22LBS/FT	ST	L	P	446	570	27	0,78		
18052	W10X22LBS/FT	ST	L	P	440	566	28	0,78		

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)

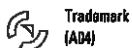
Inspection Representative  
(Z02)

Link

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<b>(A08)</b>	<b>International GmbH</b>		<b>54940 COL. SAN FRANCISCO CHILPAN</b>
	<b>40409 Düsseldorf</b>		<b>MEXIKO</b>
<b>Product</b>	<b>W-Shapes acc. ASTM A6</b>	<b>Works order No.</b>	<b>0000408327</b>
<b>(B01)</b>		<b>(A08)</b>	
<b>Steel grade and terms of delivery</b>	<b>ASTM A 992-06a</b>	<b>Dispatch note No.</b>	<b>0085512323</b>
<b>(B02-B03)</b>	<b>ASTM A 992-06a:2007</b>		<b>07.04.2015</b>
		<b>Inspection</b>	<b>WS</b>
		<b>(A05)</b>	

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**  
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D-31228 Peine  
(A01)

**Inspection Representative**  
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**Link**