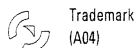


Inspection certificate 3.1		No. (A03)	472045
DIN EN 10204		Page	1/5
(A02)		Date	14.11.2011
No. (A07)	315/10478 - Lot 3	12.10.2011	No. (A07)
Purchaser (A06)	Salzgitter Mannesmann Internationa Consumer	Plesa Anahuac y Cias., S.A. de C.V.	
	40409 Düsseldorf	54940 COL. SAN FRANCISCO CHILPAN MEXIKO	
Product (B01)	W-Shapes acc. ASTM A6	Works order No. (A08)	0000375235
Steel grade and terms of delivery (B02-B03)	A 572 Grade 50 ASTM	Dispatch note No.	0083452035 0083452036 0083452037 0083452038 0083452039 0083452040 0083452041 0083452042 10.11.2011
		Inspection (A05)	WS

Material data (B01-B99)							
Item	Heat No. (B07)	Quantity (B08)	Cond. of delivery (B04)	Product (B07)	Length (B09-B11)	ft	Weight (B12) kgs
01	43885	9	AR	W18X76LBS/FT	40'		12.411
01	44025	30	AR	W18X76LBS/FT	40'		41.370
01	44086	34	AR	W18X76LBS/FT	40'		46.886
02	44017	4	AR	W18X86LBS/FT	40'		6.240
02	44025	23	AR	W18X86LBS/FT	40'		35.880
02	44088	32	AR	W18X86LBS/FT	40'		49.920
02	44105	5	AR	W18X86LBS/FT	40'		7.800
04	43870	7	AR	W18X106LBS/FT	40'		13.461
04	43880	9	AR	W18X106LBS/FT	40'		17.307
04	44111	5	AR	W18X106LBS/FT	40'		9.615
05	43879	8	AR	W18X119LBS/FT	40'		17.272
05	43880	7	AR	W18X119LBS/FT	40'		15.113
05	43881	10	AR	W18X119LBS/FT	40'		21.590
05	44104	3	AR	W18X119LBS/FT	40'		6.477
06	43995	16	AR	W24X94LBS/FT	40'		27.296
06	43996	6	AR	W24X94LBS/FT	40'		10.236
06	44008	1	AR	W24X94LBS/FT	40'		1.706
Σ		209	AR: as rolled				340.580

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

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)

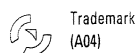
Inspection Representative
(Z02)

Link

Inspection certificate 3.1		No. (A03)	472045
DIN EN 10204		Page	2/5
(A02)		Date	14.11.2011
No. (A07)	315/10478 - Lot 3	12.10.2011	No. (A07)
Purchaser (A06)	Salzgitter Mannesmann Internationa	Consumer	Plesa Anahuac y Cias., S.A. de C.V.
	40409 Düsseldorf		54940 COL. SAN FRANCISCO CHILPAN MEXIKO
Product (B01)	W-Shapes acc. ASTM A6	Works order No. (A08)	0000375235
Steel grade and terms of delivery (B02-B03)	A 572 Grade 50 ASTM	Dispatch note No.	0083452035 0083452036 0083452037 0083452038 0083452039 0083452040 0083452041 0083452042 10.11.2011
		Inspection (A05)	WS

Ladle analysis (C70-C99)										
Heat No. (B07)	C % ≤0,18	Si % ≤0,40	Mn % ≤1,60	P % ≤0,04	S % ≤0,05	N %	Al %	V % 0,01 - 0,15	Nb %	Ti %
43870	0,16	0,19	1,19	0,01	0,01	0,009	0,007	0,03	0,001	0,001
43879	0,16	0,22	1,19	0,01	0,01	0,010	0,006	0,03	0,00	0,002
43880	0,15	0,20	1,19	0,01	0,01	0,009	0,011	0,03	0,00	0,001
43881	0,16	0,21	1,21	0,01	0,01	0,009	0,005	0,03	0,00	0,002
43885	0,16	0,22	1,19	0,01	0,01	0,009	0,008	0,03	0,00	0,001
43995	0,16	0,22	1,20	0,01	0,01	0,009	0,010	0,03	0,002	0,002
43996	0,15	0,24	1,18	0,01	0,01	0,010	0,010	0,03	0,002	0,002
44008	0,17	0,22	1,19	0,02	0,01	0,010	0,012	0,03	0,002	0,001
44017	0,16	0,22	1,19	0,01	0,01	0,009	0,013	0,03	0,001	0,001
44025	0,16	0,20	1,24	0,01	0,01	0,008	0,012	0,03	0,001	0,001
44086	0,15	0,22	1,19	0,01	0,02	0,010	0,013	0,03	0,002	0,001
44088	0,15	0,23	1,21	0,01	0,01	0,010	0,013	0,03	0,002	0,001
44104	0,15	0,20	1,21	0,01	0,01	0,009	0,006	0,03	0,00	0,001
44105	0,15	0,21	1,21	0,01	0,01	0,010	0,013	0,03	0,002	0,001
44111	0,16	0,22	1,18	0,01	0,01	0,009	0,009	0,03	0,002	0,001
Heat No. (B07)	Cu %	Cr %	Ni %	Mo %						
43870	0,20	0,05	0,09	0,02						
43879	0,22	0,06	0,09	0,02						
43880	0,22	0,06	0,09	0,01						
43881	0,21	0,07	0,09	0,01						
43885	0,22	0,06	0,09	0,03						
43995	0,22	0,05	0,10	0,02						
43996	0,20	0,05	0,09	0,02						
44008	0,22	0,06	0,10	0,02						
44017	0,23	0,04	0,09	0,02						
44025	0,23	0,05	0,11	0,02						
44086	0,26	0,07	0,11	0,02						
44088	0,21	0,07	0,11	0,02						
44104	0,23	0,06	0,10	0,02						
44105	0,24	0,06	0,11	0,02						
44111	0,27	0,07	0,10	0,03						
Steel making: Electric process (C70)										

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

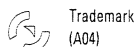
Inspection certificate 3.1		No. (A03)	472045
DIN EN 10204		Page	3/5
(A02)		Date	14.11.2011
No. (A07)	315/10478 - Lot 3	12.10.2011	No. (A07)
Purchaser (A06)	Salzgitter Mannesmann Internationa	Consumer	Plesa Anahuac y Cias., S.A. de C.V
	40409 Düsseldorf		54940 COL. SAN FRANCISCO CHILPAN MEXIKO
Product (B01)	W-Shapes acc. ASTM A6	Works order No. (A08)	0000375235
Steel grade and terms of delivery (B02-B03)	A 572 Grade 50 ASTM	Dispatch note No.	0083452035 0083452036 0083452037 0083452038 0083452039 0083452040 0083452041 0083452042 10.11.2011
		Inspection (A05)	WS

Tensile test (C10-C29)

Heat No. (B07)	Product (C00)	Location (C01)	Direct. (C02)	Type (C10)	Yield point	Tensile strength	Elongation		
					(C11) ReH MPa ≥ 345	(C12) Rm MPa ≥ 450	(C13) 200mm % ≥ 18		
43870	W18X106LBS/FT	FL	L	P	420	559	26		
43879	W18X119LBS/FT	FL	L	P	410	551	26		
43879	W18X119LBS/FT	FL	L	P	411	555	25		
43880	W18X106LBS/FT	FL	L	P	400	545	27		
43880	W18X106LBS/FT	FL	L	P	406	549	27		
43880	W18X119LBS/FT	FL	L	P	401	561	26		
43880	W18X119LBS/FT	FL	L	P	410	565	26		
43881	W18X119LBS/FT	FL	L	P	424	567	26		
43881	W18X119LBS/FT	FL	L	P	415	566	26		
43885	W18X76LBS/FT	FL	L	P	418	560	25		
43885	W18X76LBS/FT	FL	L	P	423	562	25		
43995	W24X94LBS/FT	FL	L	P	412	553	27		
43995	W24X94LBS/FT	FL	L	P	405	555	27		
43996	W24X94LBS/FT	FL	L	P	408	548	27		
43996	W24X94LBS/FT	FL	L	P	403	552	27		
44008	W24X94LBS/FT	FL	L	P	403	563	27		
44008	W24X94LBS/FT	FL	L	P	395	560	27		
44017	W18X86LBS/FT	FL	L	P	420	546	26		
44017	W18X86LBS/FT	FL	L	P	422	549	26		
44025	W18X76LBS/FT	FL	L	P	414	556	25		
44025	W18X76LBS/FT	FL	L	P	422	558	25		
44025	W18X86LBS/FT	FL	L	P	415	553	25		
44025	W18X86LBS/FT	FL	L	P	419	556	25		
44086	W18X76LBS/FT	FL	L	P	422	559	25		
44086	W18X76LBS/FT	FL	L	P	417	561	25		
44088	W18X86LBS/FT	FL	L	P	425	564	26		
44088	W18X86LBS/FT	FL	L	P	430	567	25		
44104	W18X119LBS/FT	FL	L	P	412	555	26		
44104	W18X119LBS/FT	FL	L	P	405	552	26		
44105	W18X86LBS/FT	FL	L	P	420	564	24		
44105	W18X86LBS/FT	FL	L	P	416	562	25		
44111	W18X106LBS/FT	FL	L	P	401	551	26		
44111	W18X106LBS/FT	FL	L	P	406	553	25		

1) FL: Flange
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-31226 Peine
(A01)

Inspection Representative
(Z02)

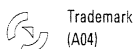
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Inspection certificate 3.1		No. (A03)	472045
DIN EN 10204		Page	4/5
(A02)		Date	14.11.2011
No. (A07)	315/10478 - Lot 3	12.10.2011	No. (A07)
Purchaser (A06)	Salzgitter Mannesmann Internationa Consumer	Plesa Anahuac y Cias., S.A. de C.V	
	40409 Düsseldorf	54940 COL. SAN FRANCISCO CHILPAN MEXIKO	
Product (B01)	W-Shapes acc. ASTM A6	Works order No. (A08)	0000375235
Steel grade and terms of delivery (B02-B03)	A 572 Grade 50 ASTM	Dispatch note No.	0083452035 0083452036 0083452037 0083452038 0083452039 0083452040 0083452041 0083452042 10.11.2011
		Inspection (A05)	WS

Impact test (C40-C49)									
Heat No. (B07)	Product (C00)	Location (C01)	Direct. (C02)	Type of specimen (C40-C41)	Temperature (C03)	Impact energy (C42-C43)			
						1	2	3	MW 3)
		1)	2)		°C	J ≥27			J ≥27
43870	W18X106LBS/FT	FL	L	Charpy V-notch	+000	94	105	138	112
43879	W18X119LBS/FT	FL	L	Charpy V-notch	+000	131	114	127	124
43879	W18X119LBS/FT	FL	L	Charpy V-notch	+000	103	125	126	118
43880	W18X106LBS/FT	FL	L	Charpy V-notch	+000	132	125	127	128
43880	W18X106LBS/FT	FL	L	Charpy V-notch	+000	140	141	124	135
43880	W18X119LBS/FT	FL	L	Charpy V-notch	+000	117	126	129	124
43880	W18X119LBS/FT	FL	L	Charpy V-notch	+000	114	136	115	122
43881	W18X119LBS/FT	FL	L	Charpy V-notch	+000	128	145	144	139
43881	W18X119LBS/FT	FL	L	Charpy V-notch	+000	146	134	132	137
43885	W18X76LBS/FT	FL	L	Charpy V-notch	+000	140	156	142	146
43885	W18X76LBS/FT	FL	L	Charpy V-notch	+000	149	147	153	150
43995	W24X94LBS/FT	FL	L	Charpy V-notch	+000	135	137	138	137
43995	W24X94LBS/FT	FL	L	Charpy V-notch	+000	140	125	129	131
43996	W24X94LBS/FT	FL	L	Charpy V-notch	+000	143	158	147	149
43996	W24X94LBS/FT	FL	L	Charpy V-notch	+000	159	135	137	144
44008	W24X94LBS/FT	FL	L	Charpy V-notch	+000	130	115	113	119
44008	W24X94LBS/FT	FL	L	Charpy V-notch	+000	121	125	121	122
44017	W18X86LBS/FT	FL	L	Charpy V-notch	+000	151	137	140	143
44017	W18X86LBS/FT	FL	L	Charpy V-notch	+000	145	131	137	138
44025	W18X76LBS/FT	FL	L	Charpy V-notch	+000	114	103	136	118
44025	W18X76LBS/FT	FL	L	Charpy V-notch	+000	125	146	121	131
44025	W18X86LBS/FT	FL	L	Charpy V-notch	+000	130	101	121	117
44025	W18X86LBS/FT	FL	L	Charpy V-notch	+000	141	126	123	130
44086	W18X76LBS/FT	FL	L	Charpy V-notch	+000	127	125	130	127
44086	W18X76LBS/FT	FL	L	Charpy V-notch	+000	115	141	118	125
44088	W18X86LBS/FT	FL	L	Charpy V-notch	+000	120	112	139	124
44088	W18X86LBS/FT	FL	L	Charpy V-notch	+000	114	118	101	111
44104	W18X119LBS/FT	FL	L	Charpy V-notch	+000	136	112	119	122
44104	W18X119LBS/FT	FL	L	Charpy V-notch	+000	120	122	127	123
44105	W18X86LBS/FT	FL	L	Charpy V-notch	+000	147	132	121	133
44105	W18X86LBS/FT	FL	L	Charpy V-notch	+000	138	157	111	135
44111	W18X106LBS/FT	FL	L	Charpy V-notch	+000	104	126	128	119
44111	W18X106LBS/FT	FL	L	Charpy V-notch	+000	135	121	119	125

1) FL: Flange
2) L: longitudinal
3) MW: Average

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

Inspection certificate 3.1		No. (A03)	472045
DIN EN 10204		Page	5/5
(A02)		Date	14.11.2011
No. (A07)	315/10478 - Lot 3	12.10.2011	No. (A07)
Purchaser (A06)	Salzgitter Mannesmann Internationa	Consumer	Plesa Anahuac y Cias., S.A. de C.V.
	40409 Düsseldorf		54940 COL. SAN FRANCISCO CHILPAN MEXIKO
Product (B01)	W-Shapes acc. ASTM A6	Works order No. (A08)	0000375235
Steel grade and terms of delivery (B02-B03)	A 572 Grade 50 ASTM	Dispatch note No.	0083452035 0083452036 0083452037 0083452038 0083452039 0083452040 0083452041 0083452042 10.11.2011
		Inspection (A05)	WS

Our products are free of radioactive substances and do not exceed the clearing limit value of 0,1 Bq/g, which guarantees the compliance with limit values given in the Rdiation Protection Ordinance (StrlSchV) for the unrestricted clearance of solid material (StrlSchV Annex III, section 5) for ferrous nuclides.

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


 Trademark
(A04)

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

Inspection Representative
(Z02)

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