

Test report 2.2
DIN EN 10204 - ISO 10474

 No. 118248
 Page 20/21
 Date 27.07.2002

 No. 306/6729
 Purchaser Salzgitter International GmbH
 40409 Düsseldorf

 No. Consumer Mexiko
 MEX- Mexiko

Product W-Shapes acc. ASTM A6

Works order No. 00311532/13

 Steel grade and terms of delivery Grade 50
 ASTM A 572
 Grade 50 Mexiko
 "THIS MATERIAL/QUALITY COVERS AS WELL
 ASTM A36 AND ASTM A 572 GRADE 50

 Dispatch note No.
 22011697
 22011706
 22011709
 22011712
 22011716
 22011719
 22011721
 22011863
 22011864
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 22011866
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 22011871
 22011877
 22011884
 22011887
 22011890
 22011891
 24.07.2002
 Inspection WS

V-20440-2

Tensile test

| Heat No. | Product | Location | | Type | Yield point ReH N/mm ² ≥345 | Tensile strength Rm N/mm ² 450 - 550 | Elongation 200mm % ≥20 | | |
|----------|--------------|----------|----|------|---|--|---------------------------------|--|--|
| | | 1) | 2) | | | | | | |
| 83562 | W18X50LBS/FT | FL | L | P | 376 | 530 | 25 | | |
| 83626 | W16X50LBS/FT | FL | L | P | 370 | 522 | 26 | | |
| 83726 | W16X40LBS/FT | FL | L | P | 419 | 544 | 26 | | |
| 83727 | W16X40LBS/FT | FL | L | P | 391 | 543 | 25 | | |
| 83733 | W16X50LBS/FT | FL | L | P | 372 | 526 | 26 | | |
| 83735 | W16X50LBS/FT | FL | L | P | 374 | 524 | 25 | | |
| 83736 | W16X50LBS/FT | FL | L | P | 365 | 529 | 26 | | |
| 83737 | W16X50LBS/FT | FL | L | P | 368 | 527 | 25 | | |
| 83738 | W16X50LBS/FT | FL | L | P | 365 | 526 | 26 | | |
| 83739 | W16X45LBS/FT | FL | L | P | 364 | 524 | 27 | | |
| 83741 | W16X45LBS/FT | FL | L | P | 364 | 520 | 27 | | |
| 83742 | W16X45LBS/FT | FL | L | P | 371 | 519 | 27 | | |
| 83743 | W16X36LBS/FT | FL | L | P | 390 | 508 | 26 | | |
| 83744 | W16X36LBS/FT | FL | L | P | 394 | 512 | 26 | | |
| 83745 | W16X36LBS/FT | FL | L | P | 393 | 507 | 26 | | |
| 83746 | W16X36LBS/FT | FL | L | P | 394 | 510 | 26 | | |
| 83747 | W16X36LBS/FT | FL | L | P | 396 | 505 | 26 | | |
| 86344 | W16X40LBS/FT | FL | L | P | 412 | 535 | 26 | | |
| 86345 | W12X26LBS/FT | FL | L | P | 415 | 533 | 24 | | |
| 86346 | W16X40LBS/FT | FL | L | P | 408 | 538 | 27 | | |
| 86347 | W16X40LBS/FT | FL | L | P | 399 | 530 | 25 | | |
| 86349 | W14X38LBS/FT | FL | L | P | 400 | 514 | 25 | | |
| 86352 | W14X38LBS/FT | FL | L | P | 410 | 526 | 24 | | |
| 93111 | W12X26LBS/FT | FL | L | P | 392 | 520 | 26 | | |
| 93112 | W12X26LBS/FT | FL | L | P | 415 | 538 | 23 | | |
| 93113 | W12X26LBS/FT | FL | L | P | 403 | 523 | 25 | | |
| 93114 | W12X26LBS/FT | FL | L | P | 402 | 525 | 25 | | |

1) FL: Flange

2) L: longitudinal

3) P: prismatic

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



Trademark

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

 Qualitätswesen
 Abnahme
 Works Inspector

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40409 Düsseldorf

 No. **Mexiko**
 Consumer **MEX- Mexiko**

 Product **W-Shapes acc. ASTM A6**

 Works order No. **00311532/13**

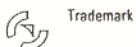
 Steel grade and terms of delivery **Grade 50**
ASTM A 572
Grade 50 Mexiko
"THIS MATERIAL/QUALITY COVERS AS WELL
ASTM A36 AND ASTM A 572 GRADE 50

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 Inspection **WS**
Ladle analysis

| Heat No. | C % ≤0,20 | Si % ≤0,40 | Mn % ≤1,50 | P % ≤0,04 | S % ≤0,05 | N % | Al % | V % 0,01 - 0,15 | Nb % | Ti % |
|----------|-----------------|------------------|------------------|-----------------|-----------------|--------|---------|-----------------------|---------|---------|
| 86344 | 0,08 | 0,20 | 1,31 | 0,01 | 0,02 | 0,010 | 0,010 | 0,05 | 0,00 | 0,00 |
| 86345 | 0,09 | 0,22 | 1,31 | 0,02 | 0,02 | 0,010 | 0,010 | 0,05 | 0,00 | 0,00 |
| 86346 | 0,10 | 0,18 | 1,36 | 0,02 | 0,01 | 0,011 | 0,007 | 0,05 | 0,00 | 0,00 |
| 86347 | 0,10 | 0,21 | 1,33 | 0,02 | 0,02 | 0,011 | 0,008 | 0,05 | 0,00 | 0,00 |
| 86349 | 0,07 | 0,21 | 1,32 | 0,01 | 0,01 | 0,010 | 0,008 | 0,05 | 0,00 | 0,00 |
| 86352 | 0,10 | 0,22 | 1,33 | 0,02 | 0,03 | 0,010 | 0,010 | 0,05 | 0,00 | 0,00 |
| 93111 | 0,07 | 0,22 | 1,31 | 0,02 | 0,02 | 0,009 | 0,013 | 0,05 | 0,00 | 0,00 |
| 93112 | 0,08 | 0,23 | 1,35 | 0,01 | 0,02 | 0,009 | 0,013 | 0,06 | 0,00 | 0,00 |
| 93113 | 0,08 | 0,22 | 1,36 | 0,01 | 0,01 | 0,010 | 0,010 | 0,05 | 0,00 | 0,00 |
| 93114 | 0,07 | 0,21 | 1,38 | 0,02 | 0,01 | 0,008 | 0,007 | 0,05 | 0,00 | 0,00 |
| 98855 | 0,12 | 0,22 | 1,41 | 0,02 | 0,02 | 0,010 | 0,014 | 0,03 | 0,00 | 0,01 |
| 98921 | 0,11 | 0,23 | 1,38 | 0,01 | 0,01 | 0,010 | 0,009 | 0,04 | 0,00 | 0,01 |
| Heat No. | Cu % | Cr % | Ni % | Mo % | | | | | | |
| 86344 | 0,34 | 0,07 | 0,10 | 0,01 | | | | | | |
| 86345 | 0,34 | 0,07 | 0,10 | 0,01 | | | | | | |
| 86346 | 0,34 | 0,07 | 0,13 | 0,02 | | | | | | |
| 86347 | 0,33 | 0,07 | 0,10 | 0,01 | | | | | | |
| 86349 | 0,34 | 0,06 | 0,10 | 0,01 | | | | | | |
| 86352 | 0,34 | 0,07 | 0,09 | 0,01 | | | | | | |
| 93111 | 0,30 | 0,07 | 0,10 | 0,01 | | | | | | |
| 93112 | 0,33 | 0,06 | 0,11 | 0,01 | | | | | | |
| 93113 | 0,33 | 0,06 | 0,10 | 0,01 | | | | | | |
| 93114 | 0,32 | 0,07 | 0,10 | 0,01 | | | | | | |
| 98855 | 0,26 | 0,07 | 0,10 | 0,03 | | | | | | |
| 98921 | 0,26 | 0,06 | 0,11 | 0,04 | | | | | | |

Steelmaking process: Electric steel

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



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