| DESMET - Ballestra | | Material Request - Summary (1) | PROJ: | 2F11 | REV: | 1 | 23/07/2012 |
|---|---|---|---|---|---|---|---|
| PUMA5 | 23/07/2012 11.52.46 | | DOC: | 2F11-65-105 | | | |

| PUMA5 | Material Request - Summary (1) | 23/07/2012 11.52.46 |
|---|---|---|

**2F11 - SABIZ 8000 kg/h**

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0101 / CARBON STEEL PIPE | 1010 | 2F11-65-105 | 1 |

| Mark | | S1 | S2 | | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pipe ASME B36.10 BE E.R.W. API 5L Gr.B | | | | | | | | | | | | | | | | | |
| 530 | mm | 80 | 0 | mm | 3,18 | | 0 | P1 | m | 8,00 | 1,00 | | 9,00 | 60,50 | 9,00 | | |
| TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | | 60,50 | | | |
| Total for negative movement - | | | | | | | | | | | | | | | Total for positive movement + | | |
| Pipe ASME B36.10 PL Seamless ASTM A 106 Gr. B | | | | | | | | | | | | | | | | | |
| 541 | mm | 25 | 0 | mm | 3,38 | | 0 | P1 | m | 3,00 | | | 3,00 | 7,51 | 3,00 | | |
| 543 | mm | 40 | 0 | mm | 3,68 | | 0 | P1 | m | 1,00 | | | 1,00 | 4,05 | 1,00 | | |
| 544 | mm | 50 | 0 | mm | 3,91 | | 0 | P1 | m | ,50 | | | ,50 | 2,72 | ,50 | | |
| 546 | mm | 80 | 0 | mm | 5,49 | | 0 | P1 | m | 60,00 | 6,00 | | 66,00 | 745,29 | 66,00 | | |
| TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | | 759,57 | | | |
| Total for negative movement - | | | | | | | | | | | | | | | Total for positive movement + | | |
| Pipe ASME B36.10 PL E.R.W. API 5L Gr.B | | | | | | | | | | | | | | | | | |
| 551 | mm | 80 | 0 | mm | 3,18 | | 0 | P1 | m | 24,00 | 2,00 | | 26,00 | 174,77 | 26,00 | | |
| 552 | mm | 100 | 0 | mm | 3,18 | | 0 | P1 | m | 10,00 | 1,00 | | 11,00 | 95,85 | 11,00 | | |
| 554 | mm | 150 | 0 | mm | 3,96 | | 0 | P1 | m | 26,50 | 3,00 | | 29,50 | 473,43 | 24,00 | 5,50 | 88,27 |
| TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | | 744,05 | | | 88,27 |
| Total for negative movement - | | | | | | | | | | | | | | | Total for positive movement + | | 88,27 |
| Pipe ASME B36.10 PL sch.40 Seamless API 5L Gr.B | | | | | | | | | | | | | | | | | |
| 560 | mm | 15 | 0 | mm | 2,77 | | 0 | P1 | m | ,20 | | | ,20 | ,25 | ,20 | | |
| 562 | mm | 25 | 0 | mm | 3,38 | | 0 | P1 | m | 2,00 | | | 2,00 | 5,00 | 2,00 | | |
| TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | | 5,26 | | | |
| Total for negative movement - | | | | | | | | | | | | | | | Total for positive movement + | | |

**2F11 - SABIZ 8000 kg/h**

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0101 / CARBON STEEL PIPE | 1010 | 2F11-65-105 | 1 |

| Mark | S1 | S2 | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pipe SB-ATI-PT002/0 PL Welded Fe 360 B - UNI 7070 | | | | | | | | | | | | | | | |
| 586 | mm 200 | 0 mm | 3,0 | | 0 | P1 | m | 17,30 | 2,00 | | 19,30 | 308,55 | 14,60 | 4,70 | 75,14 |
| 587 | mm 250 | 0 mm | 3,0 | | 0 | P1 | m | 8,30 | 1,00 | | 9,30 | 185,76 | 9,00 | ,30 | 5,99 |
| 588 | mm 300 | 0 mm | 3,0 | | 0 | P1 | m | 15,00 | 2,00 | | 17,00 | 403,46 | 14,50 | 2,50 | 59,33 |
| 589 | mm 350 | 0 mm | 3,0 | | 0 | P1 | m | 22,30 | 2,00 | | 24,30 | 633,87 | 24,00 | ,30 | 7,83 |
| | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | 1.531,65 | | | 148,29 |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 148,29 |
| | | TOTAL MR (Kg) | | | | | | | | | | 3.101,02 | | | 236,56 |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 236,56 |

| DESMET - Ballestra | | Material Request - Summary (1) | PROJ: | 2F11 | REV: | 0 | 23/07/2012 |
|---|---|---|---|---|---|---|---|
| PUMA5 | 23/07/2012 11.53.54 | | DOC: | 2F11-65-105 | | | |

| PUMA5 | Material Request - Summary (1) | 23/07/2012 11.53.54 |
|---|---|---|
| 2F11 - SABIZ 8000 kg/h | | |

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0102 / STAINLESS STEEL PIPE | 1020 | 2F11-65-105 | 0 |

| Mark | S1 | S2 | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pipe SB-ATI-PT007/0 PL From Plate ASTM A 240 Gr. TP304 | | | | | | | | | | | | | | | |
| 2184 | mm 100 | 0 | mm 3,0 | | 0 | P1 | m | 5,00 | | | 5,00 | 42,01 | | 5,00 | 42,01 |
| TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | 42,01 | | | 42,01 |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 42,01 |
| TOTAL MR (Kg) | | | | | | | | | | | | 42,01 | | | 42,01 |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 42,01 |

| DESMET - Ballestra | | Material Request - Summary (1) | PROJ: | 2F11 | REV: | 0 | 18/05/2012 |
|---|---|---|---|---|---|---|---|
| PUMA5 | 18/05/2012 10.50.01 | | DOC: | 2F11-65-105 | | | |



**2F11 - SABIZ 8000 kg/h**

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0201 / CARBON STEEL FORGED FITTINGS | 1040 | 2F11-65-105 | 0 |

| Mark | S1 | S2 | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coupling SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 105 | | | | | | | | | | | | | | | |
| 391 | mm 15 | 0 | mm | | 0 | P1 | NR | 1,00 | | | 1,00 | ,12 | | 1,00 | ,12 |
| 393 | mm 25 | 0 | mm | | 0 | P1 | NR | 4,00 | 1,00 | | 5,00 | 1,50 | | 5,00 | 1,50 |
| | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | 1,62 | | | 1,62 |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 1,62 |
| Coupling Half SB-ATI-PR007/0 SW-F 3000# Forged ASTM A 105 | | | | | | | | | | | | | | | |
| 408 | mm 8 | 0 | mm | | 0 | P1 | NR | 1,00 | | | 1,00 | ,06 | | 1,00 | ,06 |
| | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | ,06 | | | ,06 |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | ,06 |
| | | TOTAL MR (Kg) | | | | | | | | | | 1,68 | | | 1,68 |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 1,68 |

| DESMET - Ballestra | | Material Request - Summary (1) | PROJ: | 2F11 | REV: | 1 | 23/07/2012 |
|---|---|---|---|---|---|---|---|
| PUMA5 | 23/07/2012 11.55.02 | | DOC: | 2F11-65-105 | | | |



**2F11 - SABIZ 8000 kg/h**

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0301 / CARBON STEEL BW FITTINGS | 1070 | 2F11-65-105 | 1 |

| Mark | S1 | S2 | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45° Elbow Long Radius ASME B16.9 BE E.R.W. ASTM A 234 Gr. WPB | | | | | | | | | | | | | | | |
| 24 | mm 80 | 0 | mm 3,18 | | 0 | P1 | NR | 1,00 | | | 1,00 | ,60 | 1,00 | | |
| 27 | mm 150 | 0 | mm 3,96 | | 0 | P1 | NR | 6,00 | 1,00 | | 7,00 | 19,96 | 5,00 | 2,00 | 5,70 |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | 20,56 | | | 5,70 |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 5,70 |
| 45° Elbow Long Radius ASME B16.9 BE Wrought S ASTM A 234 Gr. WPB | | | | | | | | | | | | | | | |
| 37 | mm 80 | 0 | mm 5,49 | | 0 | P1 | NR | 2,00 | | | 2,00 | 2,09 | 2,00 | | |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | 2,09 | | | |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| 90° Elbow Long Radius ASME B16.9 BE E.R.W. ASTM A 234 Gr. WPB | | | | | | | | | | | | | | | |
| 58 | mm 80 | 0 | mm 3,18 | | 0 | P1 | NR | 5,00 | 1,00 | | 6,00 | 7,06 | 6,00 | | |
| 59 | mm 100 | 0 | mm 3,18 | | 0 | P1 | NR | 3,00 | | | 3,00 | 6,20 | 3,00 | | |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | 13,26 | | | |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| 90° Elbow Long Radius ASME B16.9 BE Wrought S ASTM A 234 Gr. WPB | | | | | | | | | | | | | | | |
| 71 | mm 80 | 0 | mm 5,49 | | 0 | P1 | NR | 16,00 | 2,00 | | 18,00 | 36,56 | 18,00 | | |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | 36,56 | | | |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| Reducer Concentric SB-ATI-PR005/0 BE Welded Fe 360 B - UNI 7070 | | | | | | | | | | | | | | | |
| 762 | mm 350 | 300 | mm 3,0 | 3,0 | 0 | P1 | NR | 1,00 | | | 1,00 | | 1,00 | | |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |

| PUMA5 | Material Request - Summary (1) | 23/07/2012 11.55.02 |
|---|---|---|
| 2F11 - SABIZ 8000 kg/h | | |

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0301 / CARBON STEEL BW FITTINGS | 1070 | 2F11-65-105 | 1 |

| Mark | | S1 | S2 | | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Reducer Eccentric ASME B16.9 BE Wrought S ASTM A 234 Gr. WPB | | | | | | | | | | | | | | | | | |
| 875 | mm | 80 | 40 | mm | 5,49 | 3,68 | 0 | P1 | NR | 2,00 | | | 2,00 | 1,98 | 2,00 | | |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | 1,98 | | | |
| | | | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| 90° Miter SB-ATI-PC003/0 BE Welded Fe 360 B - UNI 7070 R=1.5 D | | | | | | | | | | | | | | | | | |
| 1199 | mm | 200 | 0 | mm | 3,0 | | 0 | P1 | NR | 6,00 | 1,00 | | 7,00 | 52,50 | 8,00 | -1,00 | -7,50 |
| 1202 | mm | 350 | 0 | mm | 3,0 | | 0 | P1 | NR | 1,00 | | | 1,00 | 21,42 | 1,00 | | |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | 73,92 | | | -7,50 |
| | | | | | | | | | | Total for negative movement - | | | 7,50 | | Total for positive movement + | | |
| 45° Miter SB-ATI-PC003/0 BE Welded Fe 360 B - UNI 7070 R=1.5 D | | | | | | | | | | | | | | | | | |
| 1312 | mm | 200 | 0 | mm | 3,0 | | 0 | P1 | NR | | | | | | 1,00 | -1,00 | -4,08 |
| 1315 | mm | 350 | 0 | mm | 3,0 | | 0 | P1 | NR | 2,00 | | | 2,00 | 21,42 | | 2,00 | 21,42 |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | 21,42 | | | 17,34 |
| | | | | | | | | | | Total for negative movement - | | | 4,08 | | Total for positive movement + | | 21,42 |
| Elbow a=90° SB-ATI-PC005/0 BW Seamless API 5L Gr.B R=1500mm | | | | | | | | | | | | | | | | | |
| 1537 | mm | 80 | 0 | mm | 3,18 | | 0 | P1 | NR | 8,00 | 1,00 | | 9,00 | 8,30 | 9,00 | | |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | 8,30 | | | |
| | | | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| | | | TOTAL MR (Kg) | | | | | | | | | | | 178,09 | | | 15,54 |
| | | | | | | | | | | Total for negative movement - | | | 11,58 | | Total for positive movement + | | 27,12 |

| DESMET - Ballestra | | Material Request - Summary (1) | PROJ: | 2F11 | REV: | 0 | 18/05/2012 |
|---|---|---|---|---|---|---|---|
| PUMA5 | 18/05/2012 10.51.33 | | DOC: | 2F11-65-105 | | | |



**2F11 - SABIZ 8000 kg/h**

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0401 / CARBON STEEL FLANGES | 1090 | 2F11-65-105 | 0 |

| Mark | | S1 | S2 | | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Flange Blind SB-ATI-PF008/0 * SB-ATI-PF008(125÷250AARH) From Plate Fe 360 B - UNI 7070 | | | | | | | | | | | | | | | | | |
| 89 | mm | 300 | 0 | mm | | | 0 | P1 | NR | 1,00 | | | 1,00 | 12,20 | | 1,00 | 12,20 |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | 12,20 | | | 12,20 |
| | | | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 12,20 |
| Flange Slip-On ASME B16.5 600 LB LM (125÷250 AARH) Forged ASTM A 105 | | | | | | | | | | | | | | | | | |
| 136 | mm | 25 | 0 | mm | | | 0 | P1 | NR | 6,00 | 1,00 | | 7,00 | 11,20 | | 7,00 | 11,20 |
| 138 | mm | 40 | 0 | mm | | | 0 | P1 | NR | 1,00 | | | 1,00 | 3,10 | | 1,00 | 3,10 |
| 139 | mm | 50 | 0 | mm | | | 0 | P1 | NR | 2,00 | | | 2,00 | 7,40 | | 2,00 | 7,40 |
| 141 | mm | 80 | 0 | mm | | | 0 | P1 | NR | 4,00 | | | 4,00 | 29,20 | | 4,00 | 29,20 |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | 50,90 | | | 50,90 |
| | | | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 50,90 |
| Flange Slip-On SB-ATI-PF001/0 * SB-ATI-PF001(125÷250AARH) From Plate Fe 360 B - UNI 7070 | | | | | | | | | | | | | | | | | |
| 159 | mm | 80 | 0 | mm | | | 0 | P1 | NR | 1,00 | | | 1,00 | | | 1,00 | |
| 165 | mm | 300 | 0 | mm | | | 0 | P1 | NR | 1,00 | | | 1,00 | | | 1,00 | |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | | |
| | | | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| Flange Slip-On SB-ATI-PF002/0 * SB-ATI-PF002(125÷250AARH) Forged Fe 360 B - UNI 7070 | | | | | | | | | | | | | | | | | |
| 206 | mm | 80 | 0 | mm | | | 0 | P1 | NR | 1,00 | | | 1,00 | 1,72 | | 1,00 | 1,72 |
| | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | 1,72 | | | 1,72 |
| | | | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | 1,72 |
| Flange Slip-On EN 1092-1 Type 01 PN 2.5 EN1092-1 B1-Ra Forged ASTM A 105 | | | | | | | | | | | | | | | | | |
| 229 | mm | 200 | 0 | mm | | | 0 | P1 | NR | 2,00 | | | 2,00 | | | 2,00 | |

## 2F11 - SABIZ 8000 kg/h

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0401 / CARBON STEEL FLANGES | 1090 | 2F11-65-105 | 0 |

| Mark | | S1 | S2 | | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 232 | mm | 350 | 0 | mm | | | 0 | P1 | NR | 2,00 | | | 2,00 | | | 2,00 | |
| TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | | | | | |
| Total for negative movement - | | | | | | | | | | | | | | | Total for positive movement + | | |
| TOTAL MR (Kg) | | | | | | | | | | | | | | 64,82 | | | 64,82 |
| Total for negative movement - | | | | | | | | | | | | | | | Total for positive movement + | | 64,82 |

| DESMET - Ballestra | | Material Request - Summary (1) | PROJ: | 2F11 | REV: | 1 | 18/09/2012 |
|---|---|---|---|---|---|---|---|
| PUMA5 | 18/09/2012 9.58.26 | | DOC: | 2F11-65-105 | | | |



**2F11 - SABIZ 8000 kg/h**

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0601 / BOLTS | 1130 | 2F11-65-105 | 1 |

| Mark | | S1 | S2 | | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stud Bolt + 2 Nuts SB-ATI-PV008B/0 ASME B18.2.1 UNC/2.2 Tab.9 ASTM A 193 B7 / A 194 Gr.2H | | | | | | | | | | | | | | | | | |
| 1992 | mm | 5/8 | 0 | mm | | | 80 | P1 | NR | 8,00 | 2,00 | | 10,00 | 2,10 | 10,00 | | |
| 1995 | mm | 20 | 0 | mm | | | 100 | P1 | NR | 4,00 | 1,00 | | 5,00 | 4,20 | 5,00 | | |
| 1997 | mm | 20 | 0 | mm | | | 130 | P1 | NR | 32,00 | 5,00 | | 37,00 | 35,52 | 37,00 | | |
| 2010 | mm | M16 | 0 | mm | | | 65 | P1 | NR | 200,00 | 10,00 | | 210,00 | 39,90 | 210,00 | | |
| | | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | 81,72 | | | |
| | | | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740 | | | | | | | | | | | | | | | | | |
| 2026 | mm | M8 | 0 | mm | | | 30 | P1 | NR | 4,00 | 1,00 | | 5,00 | ,10 | 5,00 | | |
| 2031 | mm | M10 | 0 | mm | | | 30 | P1 | NR | 8,00 | 2,00 | | 10,00 | ,40 | 10,00 | | |
| 2032 | mm | M10 | 0 | mm | | | 35 | P1 | NR | 4,00 | 1,00 | | 5,00 | ,20 | 5,00 | | |
| 2039 | mm | M12 | 0 | mm | | | 35 | P1 | NR | 48,00 | 10,00 | | 58,00 | 4,06 | 48,00 | 10,00 | ,70 |
| 2044 | mm | M16 | 0 | mm | | | 40 | P1 | NR | 32,00 | 6,00 | | 38,00 | 6,08 | 38,00 | | |
| 2045 | mm | M16 | 0 | mm | | | 50 | P1 | NR | 16,00 | 3,00 | | 19,00 | 3,23 | 19,00 | | |
| 2046 | mm | M16 | 0 | mm | | | 55 | P1 | NR | -4,00 | | | -4,00 | -,72 | | -4,00 | -,72 |
| 2050 | mm | M16 | 0 | mm | | | 100 | P1 | NR | 4,00 | 1,00 | | 5,00 | 1,25 | 5,00 | | |
| 2056 | mm | M20 | 0 | mm | | | 70 | P1 | NR | 24,00 | 5,00 | | 29,00 | 10,44 | 29,00 | | |
| | | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | 25,04 | | | -,02 |
| | | | | | | | | | | Total for negative movement - | | | ,72 | | Total for positive movement + | | ,70 |
| Screws for valves ASME B 18.2.1/UNC ASTM A 193 B7 | | | | | | | | | | | | | | | | | |
| 2065 | mm | 5/8 | 0 | mm | | | 50 | P1 | NR | 16,00 | 3,00 | | 19,00 | 3,04 | 19,00 | | |
| 2066 | mm | 5/8 | 0 | mm | | | 55 | P1 | NR | 16,00 | 3,00 | | 19,00 | 3,23 | 19,00 | | |
| | | | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | 6,27 | | | |
| | | | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |

| PUMA5 | Material Request - Summary (1) | 18/09/2012 9.58.26 |
|---|---|---|
| 2F11 - SABIZ 8000 kg/h | | |

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0601 / BOLTS | 1130 | 2F11-65-105 | 1 |

| Mark | S1 | S2 | T1. | T2 | Len. mm | P.L. U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL MR (Kg) | | | | | | | | | | | 113,03 | | | -,02 |
| | | | | | | | Total for negative movement - | | | | ,72 | Total for positive movement + | | ,70 |

| DESMET - Ballestra | | Material Request - Summary (1) | PROJ: | 2F11 | REV: | 1 | 18/09/2012 |
|---|---|---|---|---|---|---|---|
| PUMA5 | 18/09/2012 9.59.00 | | DOC: | 2F11-65-105 | | | |



**2F11 - SABIZ 8000 kg/h**

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0701 / GASKETS | 1140 | 2F11-65-105 | 1 |

| Mark | S1 | S2 | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | NEED Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasket SB-ATI-PV009/5 600 LB _ B4C | | | | | | | | | | | | | | | |
| 236 | mm 25 | 0 | mm | | 0 | P1 | NR | 6,00 | 4,00 | | 10,00 | | 10,00 | | |
| 238 | mm 40 | 0 | mm | | 0 | P1 | NR | 1,00 | 1,00 | | 2,00 | | 2,00 | | |
| 239 | mm 50 | 0 | mm | | 0 | P1 | NR | 2,00 | 2,00 | | 4,00 | | 4,00 | | |
| 241 | mm 80 | 0 | mm | | 0 | P1 | NR | 4,00 | 4,00 | | 8,00 | | 8,00 | | |
| | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| Gasket SB-ATI-PV009/5 * SB-ATI-PF001(125÷250AARH) _ A9D FLAT-RING | | | | | | | | | | | | | | | |
| 263 | mm 1500 | 0 | mm | | 0 | P1 | NR | 5,00 | 5,00 | | 10,00 | | 10,00 | | |
| | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| Gasket SB-ATI-PV009/5 * SB-ATI-PF001(125÷250AARH) _ A9C FLAT-RING | | | | | | | | | | | | | | | |
| 267 | mm 80 | 0 | mm | | 0 | P1 | NR | 1,00 | 1,00 | | 2,00 | | 2,00 | | |
| 273 | mm 300 | 0 | mm | | 0 | P1 | NR | 1,00 | 1,00 | | 2,00 | | 2,00 | | |
| 280 | mm 700 | 0 | mm | | 0 | P1 | NR | | | | | | 2,00 | -2,00 | |
| 282 | mm 800 | 0 | mm | | 0 | P1 | NR | 1,00 | 1,00 | | 2,00 | | | 2,00 | |
| 284 | mm 900 | 0 | mm | | 0 | P1 | NR | 1,00 | 1,00 | | 2,00 | | 2,00 | | |
| 289 | mm 1200 | 0 | mm | | 0 | P1 | NR | 1,00 | 1,00 | | 2,00 | | 2,00 | | |
| | | TOTAL FOR COMPONENT (Kg) | | | | | | | | | | | | | |
| | | | | | | | | Total for negative movement - | | | | | Total for positive movement + | | |
| Gasket SB-ATI-PV009/5 * SB-ATI-PF002(125÷250AARH) _ B18C | | | | | | | | | | | | | | | |
| 295 | mm 80 | 0 | mm | | 0 | P1 | NR | 1,00 | 1,00 | | 2,00 | | 2,00 | | |

**2F11 - SABIZ 8000 kg/h**

| SubProject | Category of Good | MR ID | MR Number | MR Rev |
|---|---|---|---|---|
| P05 / 2F11-65-105 | 0701 / GASKETS | 1140 | 2F11-65-105 | 1 |

| Mark | | S1 | S2 | | T1. | T2 | Len. mm | P.L. | U.m | ACTUAL Take Off | Surplus | Manual | Tot Qty | Tot. W. (Kg) | PREVIOUS Qty | NEED Quantity | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **TOTAL FOR COMPONENT (Kg)** | | | | | | | | | | | | | |
| | | | | | | | | | | | | **Total for negative movement -** | | | **Total for positive movement +** | | |
| Gasket SB-ATI-PV009/5 PN 6 EN1092-1 B1-Ra _ B2C FLAT | | | | | | | | | | | | | | | | | |
| 321 | mm | 80 | 0 | mm | | | 0 | P1 | NR | -1,00 | | | -1,00 | | | -1,00 | |
| | | | | **TOTAL FOR COMPONENT (Kg)** | | | | | | | | | | | | | |
| | | | | | | | | | | | | **Total for negative movement -** | | | **Total for positive movement +** | | |
| Gasket SB-ATI-PV009/5 PN 2.5 EN1092-1 B1-Ra _ B2C FLAT | | | | | | | | | | | | | | | | | |
| 330 | mm | 200 | 0 | mm | | | 0 | P1 | NR | 2,00 | 2,00 | | 4,00 | | 4,00 | | |
| 333 | mm | 350 | 0 | mm | | | 0 | P1 | NR | 2,00 | 2,00 | | 4,00 | | 4,00 | | |
| | | | | **TOTAL FOR COMPONENT (Kg)** | | | | | | | | | | | | | |
| | | | | | | | | | | | | **Total for negative movement -** | | | **Total for positive movement +** | | |
| | | | | **TOTAL MR (Kg)** | | | | | | | | | | | | | |
| | | | | | | | | | | | | **Total for negative movement -** | | | **Total for positive movement +** | | |