

| ABB Dwg No<br><b>IB011-00842-BOM</b><br>Cad File No<br>..IB\011\00842BOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DO NOT SCALE FROM DRAWING, WHEN IN DOUBT ASK!<br>REMOVE ALL BURRS & SHARP EDGES.                       |                                                                                                |                                                                                                  |                                          | TOTAL MASS (kg)<br>145.25 |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------|------------------------|-----------------------------|------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------|-------------|------|-------------|----------|--------|--|------------------|---------------------------------------|-----------------|---|--|--|----------------|---|-----------------|---|-------|--|--------------|---|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  3rd ANGLE PROJECTION |                                                                                                | UNLESS OTHERWISE SPECIFIED, TOLERANCES ON ALL DIMENSIONS OF LENGTH & ANGLE TO BE TO SPEC. ES1002 |                                          | NEXT ASSEMBLY No          | USED ON CONTRACT       |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.                                                   |                                                                                                | SURFACE ROUGHNESS OF CUT EDGES SHALL BE Ra25 UNLESS NOTED OTHERWISE. Ra VALUES ARE IN mm.        |                                          | 877                       |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                        |                                                                                                | PART                                                                                             |                                          |                           |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| TOLERANCES MUST NOT BE CUMULATIVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                        |                                                                                                |                                                                                                  |                                          |                           |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| <p style="text-align: center;"><u>MATL. SPECN.</u></p> <p>a) <u>OUTER SPRING</u></p> <p>805 H60 to BS 970</p> <p>GERMAN EQU. 51Cr Mo V4</p> <p>b) <u>INNER SPRING</u></p> <p>735 H 51 to BS 970</p> <p>GERMAN EQU. 50Cr V4</p> <p>(Ref: CDR No 205 &amp; Adtranz's<br/>Letter No. rn90009 dt. 18.02.2000)</p>                                                                                                                                                                                                                                                                                   |                                                                                                        |                                                                                                |                                                                                                  |                                          |                           |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| <table border="1"><thead><tr><th>PART NUMBER</th><th>QTY</th><th>MASS PER ITEM (kgs)</th><th>SOURCE</th><th>DESCRIPTION</th><th>ITEM</th></tr></thead><tbody><tr><td>IB011-00189</td><td>1</td><td>122.89</td><td></td><td>SECONDARY SPRING</td><td>3</td></tr><tr><td>IB011-00842-002</td><td>2</td><td></td><td></td><td>SHACKLE COLOUR</td><td>2</td></tr><tr><td>IB011-00842-001</td><td>1</td><td>22.36</td><td></td><td>SPRING-INNER</td><td>1</td></tr></tbody></table>                                                                                                                  |                                                                                                        |                                                                                                |                                                                                                  |                                          |                           |                        | PART NUMBER                 | QTY                                                                                            | MASS PER ITEM (kgs)                      | SOURCE                                                                                             | DESCRIPTION | ITEM | IB011-00189 | 1        | 122.89 |  | SECONDARY SPRING | 3                                     | IB011-00842-002 | 2 |  |  | SHACKLE COLOUR | 2 | IB011-00842-001 | 1 | 22.36 |  | SPRING-INNER | 1 |
| PART NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | QTY                                                                                                    | MASS PER ITEM (kgs)                                                                            | SOURCE                                                                                           | DESCRIPTION                              | ITEM                      |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| IB011-00189                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                      | 122.89                                                                                         |                                                                                                  | SECONDARY SPRING                         | 3                         |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| IB011-00842-002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                                                                      |                                                                                                |                                                                                                  | SHACKLE COLOUR                           | 2                         |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| IB011-00842-001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                                                                                                      | 22.36                                                                                          |                                                                                                  | SPRING-INNER                             | 1                         |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| <p>ABB Daimler-Benz Transportation (Australia) Pty. Ltd.<br/>ACN 010 699 804</p> <p><b>Adtranz</b></p> <table border="1"><tr><td>Drawn by<br/><b>DGA</b></td><td>YY-MM-DD<br/><b>98-08-07</b></td><td>Checked<br/></td><td>Drawing Title<br/><b>SECONDARY SPRING</b></td></tr><tr><td>Approved by<br/></td><td colspan="2">Prod Eng</td><td></td></tr><tr><td>Weld Eng</td><td colspan="2">Eng</td><td></td></tr></table> |                                                                                                        |                                                                                                |                                                                                                  |                                          |                           | Drawn by<br><b>DGA</b> | YY-MM-DD<br><b>98-08-07</b> | Checked<br> | Drawing Title<br><b>SECONDARY SPRING</b> | Approved by<br> | Prod Eng    |      |             | Weld Eng | Eng    |  |                  | Customer Dwg No<br><b>TCT-96812/2</b> |                 |   |  |  |                |   |                 |   |       |  |              |   |
| Drawn by<br><b>DGA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YY-MM-DD<br><b>98-08-07</b>                                                                            | Checked<br> | Drawing Title<br><b>SECONDARY SPRING</b>                                                         |                                          |                           |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| Approved by<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Prod Eng                                                                                               |                                                                                                |                                                                                                  |                                          |                           |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| Weld Eng                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Eng                                                                                                    |                                                                                                |                                                                                                  |                                          |                           |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| Scale<br><b>NTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                        |                                                                                                |                                                                                                  | Adtranz Dwg No<br><b>IB011-00842-BOM</b> |                           |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |
| Sheet <b>1</b> of <b>1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                        |                                                                                                |                                                                                                  |                                          |                           |                        |                             |                                                                                                |                                          |                                                                                                    |             |      |             |          |        |  |                  |                                       |                 |   |  |  |                |   |                 |   |       |  |              |   |

Rev

Initials

Cl

Rev

ORIGINAL ISSUE

SHACKLE REPLACE BY COLOUR

Alteration