



SECTION BEFORE COMPRESSION



SECTION AFTER COMPRESSION  
4-POINT SHALLOW INDENTATION CRIMPING SYSTEM

NOTE :

1. NOT FOR MANUFACTURING PURPOSE.

|                                                                           |                                               |       |            |                                           |                                                                                      |           |            |       |     |
|---------------------------------------------------------------------------|-----------------------------------------------|-------|------------|-------------------------------------------|--------------------------------------------------------------------------------------|-----------|------------|-------|-----|
| ITEM                                                                      |                                               | :-    |            | JOINT, NON-TENSION BI-METAL AND ALUMINIUM |                                                                                      |           |            |       |     |
| MATERIAL SPECIFICATION                                                    |                                               | :-    |            | 240-75883110                              |                                                                                      |           |            |       |     |
| CORROSION SPECIFICATION                                                   |                                               | :-    |            | 240-75883110                              |                                                                                      |           |            |       |     |
| STANDARD SPECIFICATION                                                    |                                               | :-    |            |                                           |                                                                                      |           |            |       |     |
| ESKOM SPECIFICATION                                                       |                                               | :-    |            | 240-75883110, 240-75883154                |                                                                                      |           |            |       |     |
| TEST & CERTIFICATION REQUIREMENTS                                         |                                               | :-    |            | SANS 61284, 240-75883110                  |                                                                                      |           |            |       |     |
| INSPECTION                                                                |                                               | Yes   | No         | ESKOM RELEASE NOTE                        |                                                                                      | Yes       | No         |       |     |
| IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS |                                               |       |            |                                           |                                                                                      |           |            |       |     |
| 13                                                                        | SPECIFICATION UPDATED.                        |       |            | J.S.                                      | V. SINGH                                                                             | V. SINGH  | 27.09.2023 |       |     |
| 12                                                                        | KINGBIRD JOINT REMOVED AND ESKOM SPEC.CHANGED |       |            | P.A.T                                     | C.vd MERWE                                                                           | M. RAPAPA | 03.12.2009 |       |     |
| 11                                                                        | KINGBIRD JOINT ADDED                          |       |            | P.A.T                                     | B. HILL                                                                              | B. HILL   | 09.09.2009 |       |     |
| REV                                                                       | REVISION DESCRIPTION                          |       |            | BY                                        | CHKD                                                                                 | AUTH      | DATE       |       |     |
| AUTH:                                                                     | P. CROWDY                                     | DATE: | 17.07.1995 | SCALE NTS                                 |  |           | SAP No:    |       |     |
| CHKD:                                                                     | J. SWAN                                       | DATE: | 17.07.1995 | CAD REF:                                  |                                                                                      |           |            |       |     |
|                                                                           |                                               |       |            | SERIES 3000                               |                                                                                      |           |            |       |     |
| DRAWN:                                                                    | P.A. VERMAAK                                  | DATE: | 23.05.1995 | FILE No:                                  | D-DT-3098                                                                            |           | SET        | SHEET | REV |
|                                                                           |                                               |       |            | 3098                                      |                                                                                      |           | 8          | 1     | 13  |

## SPEC SHEET

|                                                                    |  |                                           |  |  |  |  |
|--------------------------------------------------------------------|--|-------------------------------------------|--|--|--|--|
| SAP MATERIAL No.:                                                  |  | 0175541                                   |  |  |  |  |
| SHORT DESCRIPTION:                                                 |  | JOINT, NON-TEN B/M 6-9AL 16.4CU I/C D3098 |  |  |  |  |
| TECH. DESCRIPTION:                                                 |  |                                           |  |  |  |  |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP *                     |  |                                           |  |  |  |  |
| BI-METAL : ALUMINIUM-COPPER * TUBULAR *                            |  |                                           |  |  |  |  |
| FOR ACACIA 6.24mm / SQUIRREL 6.33mm, MAGPIE 6.35mm                 |  |                                           |  |  |  |  |
| AND 35 8.31mm / FOX 8.37mm ALUMINIUM CONDUCTOR *                   |  |                                           |  |  |  |  |
| CONDUCTOR COLOUR CODE ORANGE, GREEN AND BLUE *                     |  |                                           |  |  |  |  |
| MAXIMUM ALUMINIUM TUBE INSIDE DIAMETER 9.0mm TO                    |  |                                           |  |  |  |  |
| 16.44mm SQ. (0.025 SQ. IN.), 5.7mm DIA. COPPER CONDUCTOR *         |  |                                           |  |  |  |  |
| COLOUR CODE BLACK *                                                |  |                                           |  |  |  |  |
| BARREL EQUIPPED WITH CENTRE PLUG,                                  |  |                                           |  |  |  |  |
| FILLED WITH JOINTING COMPOUND AND CAPPED *                         |  |                                           |  |  |  |  |
| INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *                        |  |                                           |  |  |  |  |
| FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL * |  |                                           |  |  |  |  |
| ESKOM DRAWING No. D-DT-3098 *                                      |  |                                           |  |  |  |  |

|                                                                    |  |                                           |  |  |  |  |
|--------------------------------------------------------------------|--|-------------------------------------------|--|--|--|--|
| SAP MATERIAL No.:                                                  |  | 0214093                                   |  |  |  |  |
| SHORT DESCRIPTION:                                                 |  | JOINT, NON-TEN B/M 6-9AL 32.3CU I/C D3098 |  |  |  |  |
| TECH. DESCRIPTION:                                                 |  |                                           |  |  |  |  |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP *                     |  |                                           |  |  |  |  |
| BI-METAL : ALUMINIUM-COPPER * TUBULAR *                            |  |                                           |  |  |  |  |
| FOR ACACIA 6.24mm / SQUIRREL 6.33mm, MAGPIE 6.35mm                 |  |                                           |  |  |  |  |
| AND 35 8.31mm / FOX 8.37mm ALUMINIUM CONDUCTOR *                   |  |                                           |  |  |  |  |
| CONDUCTOR COLOUR CODE ORANGE, GREEN AND BLUE *                     |  |                                           |  |  |  |  |
| MAXIMUM ALUMINIUM TUBE INSIDE DIAMETER 9.0mm TO                    |  |                                           |  |  |  |  |
| 32.36mm SQ. (0.05 SQ. IN.), 8.05mm DIA. COPPER CONDUCTOR *         |  |                                           |  |  |  |  |
| COLOUR CODE BLUE *                                                 |  |                                           |  |  |  |  |
| BARREL EQUIPPED WITH CENTRE PLUG,                                  |  |                                           |  |  |  |  |
| FILLED WITH JOINTING COMPOUND AND CAPPED *                         |  |                                           |  |  |  |  |
| INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *                        |  |                                           |  |  |  |  |
| FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL * |  |                                           |  |  |  |  |
| ESKOM DRAWING No. D-DT-3098 *                                      |  |                                           |  |  |  |  |

|     |                                               |  |       |            |           |            |           |
|-----|-----------------------------------------------|--|-------|------------|-----------|------------|-----------|
| 13  | SPECIFICATION UPDATED.                        |  | J.S.  | V. SINGH   | V. SINGH  | 27.09.2023 |           |
| 12  | KINGBIRD JOINT REMOVED AND ESKOM SPEC.CHANGED |  | P.A.T | C.vd MERWE | M. RAPAPA | 03.12.2009 |           |
| 11  | KINGBIRD JOINT ADDED                          |  | P.A.T | B. HILL    | B. HILL   | 09.09.2009 |           |
| REV | REVISION DESCRIPTION                          |  | BY    | CHKD       | AUTH      | DATE       | REF. DWGS |

|        |              |       |            |                  |                                                                                      |         |       |     |
|--------|--------------|-------|------------|------------------|--------------------------------------------------------------------------------------|---------|-------|-----|
| AUTH:  | P. CROWDY    | DATE: | 17.07.1995 | SCALE<br>NTS     |  | SAP No: |       |     |
| CHKD:  | J. SWAN      | DATE: | 17.07.1995 | CAD REF:         |                                                                                      | 0175541 |       |     |
|        |              |       |            | SERIES 3000      |                                                                                      | 0214093 |       |     |
| DRAWN: | P.A. VERMAAK | DATE: | 23.05.1995 | FILE No:<br>3098 | D-DT-3098                                                                            | SET     | SHEET | REV |
|        |              |       |            |                  |                                                                                      | 8       | 2     | 13  |
|        |              |       |            |                  |                                                                                      |         |       |     |

## SPEC SHEET

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| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               | 0214094                                    |            |                  |            |                                                                                      |            |           |       |     |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               | JOINT, NON-TEN B/M 6-9AL 65.4CU I/C D3098  |            |                  |            |                                                                                      |            |           |       |     |
| TECH. DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP *<br>BI-METAL : ALUMINIUM-COPPER * TUBULAR *<br>FOR ACACIA 6.24mm / SQUIRREL 6.33mm, MAGPIE 6.35mm<br>AND 35 8.31mm / FOX 8.37mm ALUMINIUM CONDUCTOR *<br>CONDUCTOR COLOUR CODE ORANGE, GREEN AND BLUE *<br>MAXIMUM ALUMINIUM TUBE INSIDE DIAMETER 9.0mm TO<br>65.4mm SQ. (0.1 SQ. IN.), 10.4mm DIA. COPPER CONDUCTOR *<br>COLOUR CODE ORANGE *<br>BARREL EQUIPPED WITH CENTRE PLUG,<br>FILLED WITH JOINTING COMPOUND AND CAPPED *<br>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *<br>FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *<br>ESKOM DRAWING No. D-DT-3098 * |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               | 0215211                                    |            |                  |            |                                                                                      |            |           |       |     |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               | JOINT, NON-TEN B/M 9-15AL 16.4CU I/C D3098 |            |                  |            |                                                                                      |            |           |       |     |
| TECH. DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP *<br>BI-METAL : ALUMINIUM-COPPER * TUBULAR *<br>FOR PINE 10.83mm / MINK 10.98mm AND<br>OAK 13.95mm / HARE 14.16mm ALUMINIUM CONDUCTOR *<br>CONDUCTOR COLOUR CODE RED AND BROWN *<br>MAXIMUM ALUMINIUM TUBE INSIDE DIAMETER 9.0mm TO<br>16.44mm SQ. (0.025 SQ. IN.), 5.7mm DIA. COPPER CONDUCTOR *<br>COLOUR CODE BLACK *<br>BARREL EQUIPPED WITH CENTRE PLUG,<br>FILLED WITH JOINTING COMPOUND AND CAPPED *<br>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *<br>FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *<br>ESKOM DRAWING No. D-DT-3098 *                        |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SPECIFICATION UPDATED.                        |                                            |            | J.S.             | V. SINGH   | V. SINGH                                                                             | 27.09.2023 |           |       |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | KINGBIRD JOINT REMOVED AND ESKOM SPEC.CHANGED |                                            |            | P.A.T            | C.vd MERWE | M. RAPAPA                                                                            | 03.12.2009 |           |       |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | KINGBIRD JOINT ADDED                          |                                            |            | P.A.T            | B. HILL    | B. HILL                                                                              | 09.09.2009 |           |       |     |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REVISION DESCRIPTION                          |                                            |            | BY               | CHKD       | AUTH                                                                                 | DATE       | REF. DWGS |       |     |
| AUTH:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | P. CROWDY                                     | DATE:                                      | 17.07.1995 | SCALE<br>NTS     |            |  |            | SAP No:   |       |     |
| CHKD:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | J. SWAN                                       | DATE:                                      | 17.07.1995 | CAD REF:         |            |                                                                                      |            | 0214094   |       |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                                            |            | SERIES 3000      |            |                                                                                      |            | SET       | SHEET | REV |
| DRAWN:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P.A. VERMAAK                                  | DATE:                                      | 23.05.1995 | FILE No:<br>3098 |            | D-DT-3098                                                                            |            | 8         | 3     | 13  |

## SPEC SHEET

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| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0175542                                        |       |            |              |            |                                                                                      |            |           |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | JOINT, NON-TEN B/M 9-15AL 32.3CU I/C D3098     |       |            |              |            |                                                                                      |            |           |
| TECH. DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                |       |            |              |            |                                                                                      |            |           |
| <p>NON-TENSION JOINT * COMPRESSION INDENT CRIMP *</p> <p>BI-METAL : ALUMINIUM-COPPER * TUBULAR *</p> <p>FOR PINE 10.83mm / MINK 10.98mm AND</p> <p>OAK 13.95mm / HARE 14.16mm ALUMINIUM CONDUCTOR *</p> <p>CONDUCTOR COLOUR CODE RED AND BROWN *</p> <p>MAXIMUM ALUMINIUM TUBE INSIDE DIAMETER 15.0mm TO</p> <p>32.36mm SQ. (0.05 SQ. IN.), 8.05mm DIA. COPPER CONDUCTOR *</p> <p>COLOUR CODE BLUE *</p> <p>BARREL EQUIPPED WITH CENTRE PLUG,</p> <p>FILLED WITH JOINTING COMPOUND AND CAPPED *</p> <p>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *</p> <p>FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *</p> <p>ESKOM DRAWING No. D-DT-3098 *</p> |                                                |       |            |              |            |                                                                                      |            |           |
| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0175543                                        |       |            |              |            |                                                                                      |            |           |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | JOINT, NON-TEN B/M 9-15AL 65.4CU I/C D3098     |       |            |              |            |                                                                                      |            |           |
| TECH. DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                |       |            |              |            |                                                                                      |            |           |
| <p>NON-TENSION JOINT * COMPRESSION INDENT CRIMP *</p> <p>BI-METAL : ALUMINIUM-COPPER * TUBULAR *</p> <p>FOR PINE 10.83mm / MINK 10.98mm AND</p> <p>OAK 13.95mm / HARE 14.16mm ALUMINIUM CONDUCTOR *</p> <p>CONDUCTOR COLOUR CODE RED AND BROWN *</p> <p>MAXIMUM ALUMINIUM TUBE DIAMETER 15.0mm TO</p> <p>65.4mm SQ. (0.1 SQ. IN.), 10.4mm DIA. COPPER CONDUCTOR *</p> <p>COLOUR CODE ORANGE *</p> <p>BARREL EQUIPPED WITH CENTRE PLUG,</p> <p>FILLED WITH JOINTING COMPOUND AND CAPPED *</p> <p>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *</p> <p>FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *</p> <p>ESKOM DRAWING No. D-DT-3098 *</p>        |                                                |       |            |              |            |                                                                                      |            |           |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SPECIFICATION UPDATED.                         |       |            | J.S.         | V. SINGH   | V. SINGH                                                                             | 27.09.2023 |           |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | KINGBIRD JOINT REMOVED AND ESKOM SPEC. CHANGED |       |            | P.A.T        | C.vd MERWE | M. RAPAPA                                                                            | 03.12.2009 |           |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | KINGBIRD JOINT ADDED                           |       |            | P.A.T        | B. HILL    | B. HILL                                                                              | 09.09.2009 |           |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REVISION DESCRIPTION                           |       |            | BY           | CHKD       | AUTH                                                                                 | DATE       | REF. DWGS |
| AUTH:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | P. CROWDY                                      | DATE: | 17.07.1995 | SCALE<br>NTS |            |  |            | SAP No:   |
| CHKD:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | J. SWAN                                        | DATE: | 17.07.1995 | CAD REF:     |            |                                                                                      |            | 0175542   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |       |            | SERIES 3000  |            |                                                                                      |            | SET       |
| DRAWN:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P.A. VERMAAK                                   | DATE: | 23.05.1995 | FILE No:     |            |                                                                                      |            | SHEET     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |       |            | 3098         |            |                                                                                      |            | REV       |
| <b>D-DT-3098</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                |       |            |              |            | 8                                                                                    | 4          | 13        |

## SPEC SHEET

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| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0214095                                        |       |            |                                                                                                          |           |            |       |     |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | JOINT, NON-TEN CHIC AL-0.025 CU I/C D3098      |       |            |                                                                                                          |           |            |       |     |
| <b>TECH. DESCRIPTION:</b><br><br>NON-TENSION JOINT * COMPRESSION INDENT CRIMP *<br>BI-METAL : ALUMINIUM-COPPER * TUBULAR *<br>FOR CHICADEE 18.87mm ALUMINIUM CONDUCTOR *<br>CONDUCTOR COLOUR CODE RED *<br>MAXIMUM ALUMINIUM TUBE DIAMETER 18.87mm TO<br>16.44mm SQ. (0.025 SQ. IN.), 5.7mm DIA. COPPER CONDUCTOR *<br>COLOUR CODE BLACK *<br>BARREL EQUIPPED WITH CENTRE PLUG,<br>FILLED WITH JOINTING COMPOUND AND CAPPED *<br>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *<br>FOR USE WITH HYDRAULIC TOOL AND HEX. DIE SET FROM THE<br>ALCAN SYSTEM DIE ACROSS FLATS (A/F) ALUMINIUM 28.2mm,<br>(DA8) TO BE USED ON CHICADEE *<br>FOR COPPER SIDE USE 4 POINT SHALLOW INDENT CRIMPING TOOL *<br>ESKOM DRAWING No. D-DT-3098 * |                                                |       |            |                                                                                                          |           |            |       |     |
| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0214096                                        |       |            |                                                                                                          |           |            |       |     |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | JOINT, NON-TEN CHIC AL-0.05 CU I/C D3098       |       |            |                                                                                                          |           |            |       |     |
| <b>TECH. DESCRIPTION:</b><br><br>NON-TENSION JOINT * COMPRESSION INDENT CRIMP *<br>BI-METAL : ALUMINIUM-COPPER * TUBULAR *<br>FOR CHICADEE 18.87mm ALUMINIUM CONDUCTOR *<br>CONDUCTOR COLOUR CODE RED *<br>MAXIMUM ALUMINIUM TUBE DIAMETER 18.87mm TO<br>32.36mm SQ. (0.05 SQ. IN.), 8.05mm DIA. COPPER CONDUCTOR *<br>COLOUR CODE BLUE *<br>BARREL EQUIPPED WITH CENTRE PLUG,<br>FILLED WITH JOINTING COMPOUND AND CAPPED *<br>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *<br>FOR USE WITH HYDRAULIC TOOL AND HEX. DIE SET FROM THE<br>ALCAN SYSTEM DIE ACROSS FLATS (A/F) ALUMINIUM 28.2mm,<br>(DA8) TO BE USED ON CHICADEE *<br>FOR COPPER SIDE USE 4 POINT SHALLOW INDENT CRIMPING TOOL *<br>ESKOM DRAWING No. D-DT-3098 *  |                                                |       |            |                                                                                                          |           |            |       |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SPECIFICATION UPDATED.                         |       | J.S.       | V. SINGH                                                                                                 | V. SINGH  | 27.09.2023 |       |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KINGBIRD JOINT REMOVED AND ESKOM SPEC. CHANGED |       | P.A.T      | C.vd MERWE                                                                                               | M. RAPAPA | 03.12.2009 |       |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KINGBIRD JOINT ADDED                           |       | P.A.T      | B. HILL                                                                                                  | B. HILL   | 09.09.2009 |       |     |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | REVISION DESCRIPTION                           |       | BY         | CHKD                                                                                                     | AUTH      | DATE       |       |     |
| AUTH:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | P. CROWDY                                      | DATE: | 17.07.1995 | <br><b>D-DT-3098</b> |           | SAP No:    |       |     |
| CHKD:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | J. SWAN                                        | DATE: | 17.07.1995 |                                                                                                          |           | 0214095    |       |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |       |            |                                                                                                          |           | 0214096    |       |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |       |            |                                                                                                          |           | SET        | SHEET | REV |
| DRAWN:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | P.A. VERMAAK                                   | DATE: | 23.05.1995 |                                                                                                          |           | 8          | 5     | 13  |

## SPEC SHEET

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|------------------------------------------------------------|--|-----------------------------------------|--|--|--|--|--|
| SAP MATERIAL No.:                                          |  | 0214098                                 |  |  |  |  |  |
| SHORT DESCRIPTION:                                         |  | JOINT, NON-TEN CHIC AL-0.1 CU I/C D3098 |  |  |  |  |  |
| TECH. DESCRIPTION:                                         |  |                                         |  |  |  |  |  |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP *             |  |                                         |  |  |  |  |  |
| BI-METAL : ALUMINIUM-COPPER * TUBULAR *                    |  |                                         |  |  |  |  |  |
| FOR CHICADEE 18.87mm ALUMINIUM CONDUCTOR *                 |  |                                         |  |  |  |  |  |
| CONDUCTOR COLOUR CODE RED *                                |  |                                         |  |  |  |  |  |
| MAXIMUM ALUMINIUM TUBE DIAMETER 18.87mm TO                 |  |                                         |  |  |  |  |  |
| 65.44mm SQ. (0.1 SQ. IN.), 10.4mm DIA. COPPER CONDUCTOR *  |  |                                         |  |  |  |  |  |
| COLOUR CODE ORANGE *                                       |  |                                         |  |  |  |  |  |
| BARREL EQUIPPED WITH CENTRE PLUG,                          |  |                                         |  |  |  |  |  |
| FILLED WITH JOINTING COMPOUND AND CAPPED *                 |  |                                         |  |  |  |  |  |
| INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *                |  |                                         |  |  |  |  |  |
| FOR USE WITH HYDRAULIC TOOL AND HEX. DIE SET FROM THE      |  |                                         |  |  |  |  |  |
| ALCAN SYSTEM DIE ACROSS FLATS (A/F) ALUMINIUM 28.2mm,      |  |                                         |  |  |  |  |  |
| (DA8) TO BE USED ON CHICADEE *                             |  |                                         |  |  |  |  |  |
| FOR COPPER SIDE USE 4 POINT SHALLOW INDENT CRIMPING TOOL * |  |                                         |  |  |  |  |  |
| ESKOM DRAWING No. D-DT-3098 *                              |  |                                         |  |  |  |  |  |

|                                                                      |  |                                       |  |  |  |  |  |
|----------------------------------------------------------------------|--|---------------------------------------|--|--|--|--|--|
| SAP MATERIAL No.:                                                    |  | 0179943                               |  |  |  |  |  |
| SHORT DESCRIPTION:                                                   |  | JOINT, NON-TEN AL 6.3-9.0 D I/C D3098 |  |  |  |  |  |
| TECH. DESCRIPTION:                                                   |  |                                       |  |  |  |  |  |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP * ALUMINIUM * TUBULAR * |  |                                       |  |  |  |  |  |
| FOR ACACIA 6.24mm / SQUIRREL 6.33mm, MAGPIE 6.35mm                   |  |                                       |  |  |  |  |  |
| AND 35 8.31mm / FOX 8.37mm ALUMINIUM CONDUCTOR *                     |  |                                       |  |  |  |  |  |
| CONDUCTOR COLOUR CODE ORANGE, GREEN AND BLUE *                       |  |                                       |  |  |  |  |  |
| MAXIMUM TUBE INSIDE DIAMETER 9.0mm *                                 |  |                                       |  |  |  |  |  |
| BARREL EQUIPPED WITH CENTRE PLUG,                                    |  |                                       |  |  |  |  |  |
| FILLED WITH JOINTING COMPOUND AND CAPPED *                           |  |                                       |  |  |  |  |  |
| INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *                          |  |                                       |  |  |  |  |  |
| FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *   |  |                                       |  |  |  |  |  |
| ESKOM DRAWING No. D-DT-3098 *                                        |  |                                       |  |  |  |  |  |

|        |                                               |       |            |                                                                                                          |           |            |           |     |
|--------|-----------------------------------------------|-------|------------|----------------------------------------------------------------------------------------------------------|-----------|------------|-----------|-----|
| 13     | SPECIFICATION UPDATED.                        |       | J.S.       | V. SINGH                                                                                                 | V. SINGH  | 27.09.2023 |           |     |
| 12     | KINGBIRD JOINT REMOVED AND ESKOM SPEC.CHANGED |       | P.A.T      | C.vd MERWE                                                                                               | M. RAPAPA | 03.12.2009 |           |     |
| 11     | KINGBIRD JOINT ADDED                          |       | P.A.T      | B. HILL                                                                                                  | B. HILL   | 09.09.2009 |           |     |
| REV    | REVISION DESCRIPTION                          |       | BY         | CHKD                                                                                                     | AUTH      | DATE       | REF. DWGS |     |
| AUTH:  | P. CROWDY                                     | DATE: | 17.07.1995 | <br><b>D-DT-3098</b> |           | SAP No:    |           |     |
| CHKD:  | J. SWAN                                       | DATE: | 17.07.1995 |                                                                                                          |           | 0214098    |           |     |
|        |                                               |       |            |                                                                                                          |           | 0179943    |           |     |
| DRAWN: | P.A. VERMAAK                                  | DATE: | 23.05.1995 |                                                                                                          |           | SET        | SHEET     | REV |
|        |                                               |       |            | 8                                                                                                        | 6         | 13         |           |     |

## SPEC SHEET

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                                            |            |                  |                                                                                      |           |            |           |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------|------------|------------------|--------------------------------------------------------------------------------------|-----------|------------|-----------|-----|
| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               | 0179944                                    |            |                  |                                                                                      |           |            |           |     |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               | JOINT, NON-TEN AL 9.0-15.0 D I/C D3098     |            |                  |                                                                                      |           |            |           |     |
| TECH. DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |                                            |            |                  |                                                                                      |           |            |           |     |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP * ALUMINIUM * TUBULAR *<br>FOR PINE 10.83mm / MINK 10.98mm AND<br>OAK 13.95mm / HARE 14.16mm ALUMINIUM CONDUCTOR *<br>COLOUR CODE RED AND BROWN *<br>MAXIMUM TUBE INSIDE DIAMETER 15.0mm *<br>BARREL EQUIPPED WITH CENTRE PLUG,<br>FILLED WITH JOINTING COMPOUND AND CAPPED *<br>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *<br>FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *<br>ESKOM DRAWING No. D-DT-3098 *                                                                                                                                                                                                                      |                                               |                                            |            |                  |                                                                                      |           |            |           |     |
| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               | 0214099                                    |            |                  |                                                                                      |           |            |           |     |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               | JOINT, NON-TEN 6-9AL TO 9-15AL D I/C D3098 |            |                  |                                                                                      |           |            |           |     |
| TECH. DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |                                            |            |                  |                                                                                      |           |            |           |     |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP *<br>ALUMINIUM TO ALUMINIUM * TUBULAR *<br>FOR ACACIA 6.24mm / SQUIRREL 6.33mm, MAGPIE 6.35mm<br>AND 35 8.31mm / FOX 8.37mm ALUMINIUM CONDUCTOR *<br>CONDUCTOR COLOUR CODE ORANGE, GREEN AND BLUE *<br>MAXIMUM TUBE INSIDE DIAMETER 9.0mm AND<br>FOR PINE 10.83mm / MINK 10.98mm AND<br>OAK 13.95mm / HARE 14.16mm ALUMINIUM CONDUCTOR *<br>COLOUR CODE RED AND BROWN *<br>MAXIMUM TUBE INSIDE DIAMETER 15.0mm *<br>BARREL EQUIPPED WITH CENTRE PLUG<br>FILLED WITH JOINTING COMPOUND AND CAPPED *<br>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *<br>FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *<br>ESKOM DRAWING No. D-DT-3098 * |                                               |                                            |            |                  |                                                                                      |           |            |           |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SPECIFICATION UPDATED.                        |                                            |            | J.S.             | V. SINGH                                                                             | V. SINGH  | 27.09.2023 |           |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | KINGBIRD JOINT REMOVED AND ESKOM SPEC.CHANGED |                                            |            | P.A.T            | C.vd MERWE                                                                           | M. RAPAPA | 03.12.2009 |           |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | KINGBIRD JOINT ADDED                          |                                            |            | P.A.T            | B. HILL                                                                              | B. HILL   | 09.09.2009 |           |     |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REVISION DESCRIPTION                          |                                            |            | BY               | CHKD                                                                                 | AUTH      | DATE       | REF. DWGS |     |
| AUTH:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | P. CROWDY                                     | DATE:                                      | 17.07.1995 | SCALE<br>NTS     |  |           | SAP No:    |           |     |
| CHKD:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | J. SWAN                                       | DATE:                                      | 17.07.1995 | CAD REF:         |                                                                                      |           | 0179944    |           |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                                            |            | SERIES 3000      |                                                                                      |           | 0214099    |           |     |
| DRAWN:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P.A. VERMAAK                                  | DATE:                                      | 23.05.1995 | FILE No:<br>3098 | D-DT-3098                                                                            |           | SET        | SHEET     | REV |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |                                            |            |                  |                                                                                      |           | 8          | 7         | 13  |

## SPEC SHEET

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------|------------|------------------|------------|--------------------------------------------------------------------------------------|------------|-----------|-------|-----|
| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               | 0165888                                    |            |                  |            |                                                                                      |            |           |       |     |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               | JOINT, NON-TEN AL HORNET I/C D3098         |            |                  |            |                                                                                      |            |           |       |     |
| TECH. DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP * ALUMINIUM * TUBULAR *<br>FOR HORNET 16.3mm ALUMINIUM CONDUCTOR *<br>CONDUCTOR COLOUR CODE ORANGE/GREEN *<br>ACCOMODATES CONDUCTOR RANGE 13.2 - 19.3mm DIA. *<br>BARREL EQUIPPED WITH CENTRE PLUG,<br>FILLED WITH JOINTING COMPOUND AND CAPPED *<br>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *<br>FOR USE WITH HYDRAULIC 4-POINT SHALLOW INDENTATION CRIMPING TOOL *<br>ESKOM DRAWING No. D-DT-3098 *                                                                                                                                                                                                                                                                                |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
| SAP MATERIAL No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               | 0214100                                    |            |                  |            |                                                                                      |            |           |       |     |
| SHORT DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               | JOINT, NON-TEN CHIC AL-OAK/HAR AL I/CD3098 |            |                  |            |                                                                                      |            |           |       |     |
| TECH. DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
| NON-TENSION JOINT * COMPRESSION INDENT CRIMP *<br>ALUMINIUM TO ALUMINIUM * TUBULAR *<br>FOR CHICADEE 18.87mm ALUMINIUM CONDUCTOR *<br>CONDUCTOR COLOUR CODE RED *<br>MAXIMUM TUBE INSIDE DIAMETER 18.87mm AND FOR<br>OAK 13.95mm / HARE 14.16mm ALUMINIUM CONDUCTOR *<br>COLOUR CODE RED AND BROWN *<br>MAXIMUM TUBE INSIDE DIAMETER 15.0mm *<br>BARREL EQUIPPED WITH CENTRE PLUG<br>FILLED WITH JOINTING COMPOUND AND CAPPED *<br>INDIVIDUALLY PACKED IN SEALED PLASTIC BAG *<br>FOR USE WITH HYDRAULIC TOOL AND HEX. DIE SET FROM THE<br>ALCAN SYSTEM DIE ACROSS FLATS (A/F) ALUMINIUM 28.2mm,<br>(DA8) TO BE USED ON CHICADEE *<br>FOR HARE/OAK SIDE USE 4 POINT SHALLOW INDENT CRIMPING TOOL *<br>ESKOM DRAWING No. D-DT-3098 * |                                               |                                            |            |                  |            |                                                                                      |            |           |       |     |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SPECIFICATION UPDATED.                        |                                            |            | J.S.             | V. SINGH   | V. SINGH                                                                             | 27.09.2023 |           |       |     |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | KINGBIRD JOINT REMOVED AND ESKOM SPEC.CHANGED |                                            |            | P.A.T            | C.vd MERWE | M. RAPAPA                                                                            | 03.12.2009 |           |       |     |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | KINGBIRD JOINT ADDED                          |                                            |            | P.A.T            | B. HILL    | B. HILL                                                                              | 09.09.2009 |           |       |     |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REVISION DESCRIPTION                          |                                            |            | BY               | CHKD       | AUTH                                                                                 | DATE       | REF. DWGS |       |     |
| AUTH:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | P. CROWDY                                     | DATE:                                      | 17.07.1995 | SCALE<br>NTS     |            |  |            | SAP No:   |       |     |
| CHKD:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | J. SWAN                                       | DATE:                                      | 17.07.1995 | CAD REF:         |            |                                                                                      |            | 0165888   |       |     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |                                            |            | SERIES 3000      |            |                                                                                      |            | SET       | SHEET | REV |
| DRAWN:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | P.A. VERMAAK                                  | DATE:                                      | 23.05.1995 | FILE No:<br>3098 |            | <b>D-DT-3098</b>                                                                     |            | 8         | 8     | 13  |