### Ergon Energy Document Revision List

**Project:** Sub-Transmission Construction Manual  
**Electronic - Website Version**

#### Section 20 - Pole Manufacturing Dwgs Pages 1-1 to 2-15 Ver 5

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<th>Issued Document Revision Number</th>
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CONSTRUCTION DESCRIPTION

**Single Circuit Rural Delta Suspension Concrete Poles**

- **C6RSVF135/235GD**
- **C6RSVF135/235FD**
- **C6RSVF135/235ED**
- **C6RSDI205/215G0**
- **C6RSDI105/115E0**
- **C6RSDI105/115D0**
- **C6RSDI104/114F0**
- **C6RSDI204/214D0**
- **C6RSDI104/114D0**
- **C6RSDI204/214C0**
- **C6RSDI104/114C0**
- **C6RSDI203/213G0**
- **C6RSDI203/213F0**
- **C6RSDI203/213E0**
- **C6RSDI103/113E0**
- **C6RSDI203/213C0**
- **C6RSDI135/235D0**
- **C6RSDI125/225D0**
- **C6RSDI134/234F0**
- **C6RSDI134/234E0**
- **C6RSDI124/224C0**
- **C6RSDI133/233G0**
- **C6RSDI123/223G0**
- **C6RSDI133/233F0**
- **C6RSDI123/223F0**
- **C6RSDI133/233E0**
- **C6RSDI123/223E0**
- **C6RSDI133/233D0**
- **C6RSDI123/223D0**
- **C6RSVF335/435FD**
- **C6RSVF335/435CD**

**Construction Details**

- Single Circuit Rural Vertical Strain Concrete Poles
  - **C6RSVT18/28GD**
  - **C6RSVS008/Z008GD/G1/G2**
  - **C6RSVT18/28ED**
  - **C6RSVS008/Z008ED/E1/E2**
  - **C6RSVT18/28DD**
  - **C6RSVS008/Z008DD/D1/D2**
  - **C6RSVT16/26GD**
  - **C6RSVS006/Z006GD/G1/G2**
  - **C6RSVT16/26ED**
  - **C6RSVS006/Z006ED/E1/E2**
  - **C6RSVT16/26CD**

**Angle/Termination Pole**

- **27m x 60kN Vertical Strain 15-35° Angle Pole**
- **24m x 80kN Vertical Strain 35-45° Angle Pole**
- **21m x 60kN Vertical Strain 55-65° Angle Pole**
- **24m x 60kN Vertical Strain 75-85° Angle Pole**
- **27m x 60kN Vertical Strain 85-95° Angle Pole**
- **30m x 60kN Vertical Strain 65-75° Angle Pole**

**Construction Index**

- **C6RSV016/Z016CD/C1/C2**
- **C6RSV016/Z016ED/E1/E2**
- **C6RSV016/Z016DD/D1/D2**
- **C6RSV016/Z016CD/C1/C2**
- **C6RSV016/Z016ED/E1/E2**
- **C6RSV016/Z016DD/D1/D2**
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- **C6RSV016/Z016ED/E1/E2**
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- **C6RSV016/Z016CD/C1/C2**
- **C6RSV016/Z016ED/E1/E2**
- **C6RSV016/Z016DD/D1/D2**
- **C6RSV016/Z016CD/C1/C2**
- **C6RSV016/Z016ED/E1/E2**
- **C6RSV016/Z016DD/D1/D2**
- **C6RSV016/Z016CD/C1/C2**
- **C6RSV016/Z016ED/E1/E2**
- **C6RSV016/Z016DD/D1/D2**

**Drawing Number**

- **5-20-10**
- **5-20-9**
- **5-20-8**
- **5-20-7**
- **5-20-6**
- **5-20-5**
- **5-20-4**
- **5-20-3**
- **5-20-2**
- **5-20-1**
### Single Circuit Rural Vertical Strain Concrete Poles

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<th>DESCRIPTION</th>
<th>DWG No.</th>
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<tr>
<td>C6RSDI106/206C0</td>
<td>16m x 60kN Delta Susp. - normal &amp; ext x-arm</td>
<td>5-20-101-1</td>
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<tr>
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### Single Circuit Rural Suspension Concrete Poles

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### Single Circuit Rural Vertical Strain Concrete Poles

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**Double Circuit Delta Suspension Concrete Poles**

- C1RDVS928/Z928GDL/R
- C1RDVS928/Z928FDL/R
- C1RDVS926/Z926GDL/R
- C1RDVS926/Z926FDL/R
- C1RDVS918/Z918GDL/R
- C1RDVS918/Z918FDL/R
- C1RDVS918/Z918EDL/R
- C1RDVS916/Z916GDL/R
- C1RDVS916/Z916FDL/R
- C1RDVS916/Z916EDL/R
- C1RDVS908/Z908FDL/R
- C1RDVS908/Z908EDL/R
- C1RDVS906/Z906GDL/R
- C1RDVS906/Z906FDL/R
- C1RDVS906/Z906EDL/R
- C1RDVS628/Z628GDL/R
- C1RDVS628/Z628FDL/R
- C1RDVS626/Z626GDL/R
- C1RDVS626/Z626FDL/R
- C1RDVS626/Z626EDL/R
- C1RDVS618/Z618GDL/R
- C1RDVS616/Z616FDL/R
- C1RDVS616/Z616EDL/R
- C1RDVS608/Z608GDL/R
- C1RDVS608/Z608FDL/R
- C1RDVS608/Z608EDL/R
- C1RDVS606/Z606GDL/R
- C1RDVS606/Z606FDL/R
- C1RDVS606/Z606EDL/R
- C1RDVS328/Z328GDL/R
- C1RDVS328/Z328FDL/R
- C1RDVS328/Z328EDL/R
- C1RDVS326/Z326FDL/R
- C1RDVS326/Z326EDL/R
- C1RDVS308/Z308FDL/R
- C1RDVS306/Z306GDL/R
- C1RDVS306/Z306FDL/R
- C1RDVS306/Z306EDL/R
- C1RDVS018/Z018GDL/R
- C1RDVS018/Z018FDL/R
- C1RDVS018/Z018EDL/R
- C1RDVS016/Z016GDL/R
- C1RDVS016/Z016FDL/R
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- C1RDVS008/Z008FDL/R
- C1RDVS006/Z006EDL/R
- C1RDVF338/438F0/FD/F1/F2L/R
- C1RDVF338/438E0/ED/E1/E2L/R
- C1RDVF336/436G0/GD/G1/G2L/R
- C1RDVF336/436E0/ED/E1/E2L/R
- C1RDVI168/268G0
- C1RDVI108/208G0
- C1RDVI168/268F0
- C1RDVI108/208F0
- C1RDVI108/208E0
- C1RDVI166/266F0
- C1RDVI106/206F0
- C1RDVI166/266E0
- C1RDVI106/206E0

**Double Circuit Vertical Flying Angle Concrete Poles**

- C1RDVS928/Z928GDL/R
- C1RDVS928/Z928FDL/R
- C1RDVS926/Z926GDL/R
- C1RDVS926/Z926FDL/R
- C1RDVS918/Z918GDL/R
- C1RDVS918/Z918FDL/R
- C1RDVS918/Z918EDL/R
- C1RDVS916/Z916GDL/R
- C1RDVS916/Z916FDL/R
- C1RDVS916/Z916EDL/R
- C1RDVS908/Z908FDL/R
- C1RDVS908/Z908EDL/R
- C1RDVS906/Z906GDL/R
- C1RDVS906/Z906FDL/R
- C1RDVS906/Z906EDL/R
- C1RDVS628/Z628GDL/R
- C1RDVS628/Z628FDL/R
- C1RDVS626/Z626GDL/R
- C1RDVS626/Z626FDL/R
- C1RDVS626/Z626EDL/R
- C1RDVS618/Z618GDL/R
- C1RDVS616/Z616FDL/R
- C1RDVS616/Z616EDL/R
- C1RDVS608/Z608GDL/R
- C1RDVS608/Z608FDL/R
- C1RDVS608/Z608EDL/R
- C1RDVS606/Z606GDL/R
- C1RDVS606/Z606FDL/R
- C1RDVS606/Z606EDL/R
- C1RDVS328/Z328GDL/R
- C1RDVS328/Z328FDL/R
- C1RDVS328/Z328EDL/R
- C1RDVS326/Z326FDL/R
- C1RDVS326/Z326EDL/R
- C1RDVS308/Z308FDL/R
- C1RDVS306/Z306GDL/R
- C1RDVS306/Z306FDL/R
- C1RDVS306/Z306EDL/R
- C1RDVS018/Z018GDL/R
- C1RDVS018/Z018FDL/R
- C1RDVS018/Z018EDL/R
- C1RDVS016/Z016GDL/R
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- C1RDVS006/Z006EDL/R
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- C1RDVF338/438E0/ED/E1/E2L/R
- C1RDVF336/436G0/GD/G1/G2L/R
- C1RDVF336/436E0/ED/E1/E2L/R
- C1RDVI168/268G0
- C1RDVI108/208G0
- C1RDVI168/268F0
- C1RDVI108/208F0
- C1RDVI108/208E0
- C1RDVI166/266F0
- C1RDVI106/206F0
- C1RDVI166/266E0
- C1RDVI106/206E0

**Overhead Sub-Transmission 132kV Concrete Pole Manufacturing Details**

- 132kV Pole Manufacturing Details - Rural Double Circuit
- Double Circuit Delta Suspension Concrete Poles
- Double Circuit Vertical Flying Angle Concrete Poles
- Double Circuit Vertical Strain 0-5° Concrete Poles
- Double Circuit Vertical Strain 5-15° Concrete Poles
- Double Circuit Vertical Strain 15-35° Concrete Poles
- Double Circuit Vertical Strain 35-45° Concrete Poles
- Double Circuit Vertical Strain 45-55° Concrete Poles
- Double Circuit Vertical Strain 55-65° Concrete Poles
- Double Circuit Vertical Strain 65-75° Concrete Poles
- Double Circuit Vertical Strain 75-85° Concrete Poles
- Double Circuit Vertical Strain 85-95° Concrete Poles
- Double Circuit Vertical Strain 95-105° Concrete Poles

**Concrete Pole Specifications**

- 30m x 60kN Delta Susp. - normal & ext x-arm
- 30m x 80kN Delta Susp. - normal & ext x-arm
- 30m x 80kN Vertical Strain 5°-15° Angle Pole
- 30m x 80kN Vertical Strain 15°-35° Angle Pole
- 30m x 80kN Vertical Strain 35°-45° Angle Pole
- 30m x 80kN Vertical Strain 45°-55° Angle Pole
- 30m x 80kN Vertical Strain 55°-65° Angle Pole
- 30m x 80kN Vertical Strain 65°-75° Angle Pole
- 30m x 80kN Vertical Strain 75°-85° Angle Pole
- 30m x 80kN Vertical Strain 85°-95° Angle Pole
- 30m x 80kN Vertical Strain 95°-105° Angle Pole

**Drawing Information**

- DWG No.: 5-20-1-5
- VOLUME: 5
- 20
- 0B

**Ergon Energy Corporation Ltd**

ABN 50 087 646 062
**NOTES**

1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. No subsidiary to be incorporated on 18m poles.

**SET PLAN**

<table>
<thead>
<tr>
<th>Fitting Description</th>
<th>QTY</th>
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<td>Tip ring &amp; pole cap</td>
<td>1</td>
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<tr>
<td>Depth indication mark</td>
<td>2</td>
</tr>
<tr>
<td>M16 ferrule (25mm thread)</td>
<td>21</td>
</tr>
<tr>
<td>M12 earth ferrule (30mm thread)</td>
<td>12</td>
</tr>
<tr>
<td>Name plate</td>
<td>1</td>
</tr>
<tr>
<td>22 OD S/S tube for M16 bolt</td>
<td>3</td>
</tr>
<tr>
<td>25 OD S/S tube for M20 bolt</td>
<td>5</td>
</tr>
<tr>
<td>38 OD S/S tube</td>
<td>1</td>
</tr>
<tr>
<td>5mm galv. cross wires (access barrier)</td>
<td>2</td>
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**Refer dwg 5-7-3-1 for Foundations**

Refer dwg 5-4-3-2 for pole with normal crossarms and 5-4-6-2 for pole with 1 extended crossarm construction
<table>
<thead>
<tr>
<th>DISTANCE FROM TP</th>
<th>ORIENTATION</th>
<th>FITTING DESCRIPTION</th>
<th>TUBE (EARTH)</th>
<th>FITTING PURPOSE</th>
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<tr>
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<td>A</td>
<td>D3 OD S/S tube</td>
<td>313</td>
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<td>95</td>
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</tr>
<tr>
<td>240</td>
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<td>22 OD S/S tube</td>
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<td>Earth</td>
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<tr>
<td></td>
<td></td>
<td>22 OD S/S tube</td>
<td>162</td>
<td>Earth</td>
</tr>
</tbody>
</table>

Notes:
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/-12 mm tolerance between them and +/-2 mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
**NOTES:**

1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. Pole manufacturer to nominate joint locations on poles above 24m.

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**OVERHEAD SUB-TRANSMISSION**

66kV CONCRETE POLE MANUFACTURING DETAILS

**SINGLE CIRCUIT RURAL DELTA SUSPENSION**

**STOCK CODE:** 2410520

---

**SET** | **FITTING** | **DESCRIPTION** | **QTY**
---|---|---|---
1 | A | Tip ring & pole cap | 1
1 | J | Depth indication mark | 2
1 | H | M16 female (25mm thread length) | 41
1 | G | M12 earth female (30mm thread length) | 16
1 | I | Name plate | 2
2 | P | Joint | 1
2 | D | 22 OD S/S tube for M16 bolt | 5
2 | E | 25 OD S/S tube for M20 bolt | 9
2 | T | 38 OD S/S tube | 4
2 | K | 5mm galv. cross wires (access barrier) | 2

---

Refer dwg 5-3-1 for Foundations

Refer dwg 5-4-3-2 for pole with normal crossarms and 5-4-6-2 for pole with 1 extended crossarm construction

---

Refer to drawing 5-20-2-4

---

**MANUFACTURER'S NAME/TRADE MARK**

ERGON ENERGY

**PART NUMBER:** 2410520

**DATE:** 2023-08-03

**APPROVED:** P. De Sousa Roque

**DRAWING NUMBER:** 5-20-2-4
NOTES

1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require ± 2 mm tolerance between them and ± 2 mm orientation tolerance.
3. Longitudinal capacities to be less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. No subsidiary to be incorporated on 18m poles.

Refer dwg 5-7-3-1 for Foundations
Refer dwg 5-4-4-2 for pole with normal crossarms and 5-4-7-2 for pole with 1 extended crossarm construction
**Notes:**
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2mm tolerance between them and +/- 2mm orientation tolerance.
3. Longitudinal capacities are to be less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.

**Table:**

<table>
<thead>
<tr>
<th>FRONT ORIENTATION</th>
<th>TIP MARKER</th>
<th>DISTANCE</th>
<th>TUBE TYPE</th>
<th>TUBE DIAMETER</th>
<th>TUBE LENGTH</th>
<th>FITTING DESCRIPTION</th>
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<tr>
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<td>0</td>
<td>30OD SS Tub</td>
<td>25mm thread</td>
<td>305</td>
<td>Top compression bolt (M20)</td>
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<tr>
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<td></td>
<td>0</td>
<td>30OD SS Tub</td>
<td>25mm thread</td>
<td>305</td>
<td>Top compression bolt (M20)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>25OD SS Tub</td>
<td>25mm thread</td>
<td>305</td>
<td>Top compression bolt (M20)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>30OD SS Tub</td>
<td>25mm thread</td>
<td>305</td>
<td>Top compression bolt (M20)</td>
</tr>
</tbody>
</table>

**Refer dwg 5-7-3-1 for Foundations**

**Refer dwg 5-4-4-2 for pole with normal crossarms and 5-4-7-2 for pole with 1 extended crossarm construction**

**Diagram:**

- **Diagram A:** Delta Suspension With 1 Extended Crossarm
- **Diagram B:** Delta Suspension With Normal Crossarms
### Notes:
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2 mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.

### Table:
#### Fitting Description
<table>
<thead>
<tr>
<th>Fitting</th>
<th>QTY</th>
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<tbody>
<tr>
<td>1</td>
<td>A</td>
</tr>
<tr>
<td>2</td>
<td>J</td>
</tr>
<tr>
<td>3</td>
<td>H</td>
</tr>
<tr>
<td>4</td>
<td>G</td>
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<td>I</td>
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</tr>
<tr>
<td>7</td>
<td>E</td>
</tr>
<tr>
<td>8</td>
<td>Y</td>
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### Diagram:
- Refer dwg 5-7-3-1 for Foundations
- Refer dwg 5-4-4-2 for pole with normal crossarms and 5-4-7-2 for pole with 1 extended crossarm construction
NOTE:
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2 mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. Pole manufacturer to nominate joint locations on poles above 24m.

Refer dwg 5-7-3-1 for Foundations
Refer dwg 5-4-4-2 for pole with normal crossarms and 5-4-7-2 for pole with 1 extended crossarm construction
### Description

- **Fitting Description:**
  - Tip ring & pole cap
  - Soil pipe - soil pipe
  - Ground力 - ground pipe
  - Crossarm brace (M16) - Suspension
  - Crossarm brace (M16) - Crossarm
  - Bottom crossarm compression brace (M20)
  - M16 ferrule (30mm thread)
  - M12 earth ferrule (30mm thread)
  - M16 ferrule (25mm thread)
  - 25 OD S/S tube
  - 30 OD S/S tube
  - 22 OD S/S tube
  - Earth

### Notes
1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2mm tolerance between them and +/-2mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. Pole manufacturer to nominate joint locations on poles above 24m.

### References
- Refer dwg 5-7-3-1 for Foundations
- Refer dwg 5-4-4-2 for pole with normal crossarms and 5-4-7-2 for pole with 1 extended crossarm construction

### Drawing Information

- **Drawing Number:** 5-20-2-10
- **Issue:** 0E
- **Date:** 17/12/04
- **Supplier:** DELTA SUSPENSION
- **Model:** SINGLE CIRCUIT RURAL DELTA SUSPENSION
- **Design:** 30 x 40N - NORMAL & 1 EXTENDED CROSSARM

### Fitting Table

<table>
<thead>
<tr>
<th>Fitting</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tip ring &amp; pole cap</td>
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<td>Depth indication mark</td>
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</tr>
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<td>M16 ferrule (25mm thread length)</td>
<td>16</td>
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</tr>
<tr>
<td>M12 earth ferrule (30mm thread length)</td>
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<tr>
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</tr>
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<td>19 OD S/S tube</td>
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<tr>
<td>5mm galv. cross wires (access barrier)</td>
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### Table Data

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<th>Planting Depth (m)</th>
<th>Butt Dia. (mm)</th>
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<td>(BLACK SOIL)</td>
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### Other Information

- **Stock Code:** 2439412
- **Type:** 0
- **Rust/Mgt:** 100
- **Name:** P DE SOUSA ROQUE
- **Status:** Approved
- **Design:** Delta Suspension With Normal Crossarms
- **Manufacturer:** ERGON ENERGY CORPORATION LTD
- **Trade Mark:**"
**DESCRIPTION**

- 270°
- M16 earth ferrule (30mm thread)
- H
- M16 ferrule (25mm thread)
- Earth
- 5mm galv. cross wires (access barrier)

<table>
<thead>
<tr>
<th>ORIENTATION</th>
<th>TUBE DESCRIPTION</th>
<th>Fitting Purpose</th>
</tr>
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<tbody>
<tr>
<td>125°</td>
<td>27 OD S/S tube</td>
<td>Tip ring and pole cap</td>
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<tr>
<td>125°</td>
<td>M16 ferrule (25mm thread)</td>
<td>Fall Arrest Bracket and Step bolt to pole</td>
</tr>
<tr>
<td>125°</td>
<td>M12 earth ferrule (30mm thread)</td>
<td>Earth</td>
</tr>
<tr>
<td>125°</td>
<td>22 OD S/S tube</td>
<td>Bottom crossarm tension brace (M16)</td>
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</table>

<table>
<thead>
<tr>
<th>ORIENTATION</th>
<th>TUBE DESCRIPTION</th>
<th>Fitting Purpose</th>
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<tbody>
<tr>
<td>125°</td>
<td>27 OD S/S tube</td>
<td>Tip ring and pole cap</td>
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<tr>
<td>125°</td>
<td>M16 ferrule (25mm thread)</td>
<td>Fall Arrest Bracket and Step bolt to pole</td>
</tr>
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<td>125°</td>
<td>M12 earth ferrule (30mm thread)</td>
<td>Earth</td>
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<tr>
<td>125°</td>
<td>22 OD S/S tube</td>
<td>Bottom crossarm tension brace (M16)</td>
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</tbody>
</table>

**NOTES**

1. Orientation is measured clockwise when looking down on pole tip.
2. Braced fittings require +/- 2 mm tolerance between them and +/- 2 mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. No subsidy to be incorporated on 18m poles.

**SET FITTING DESCRIPTION QTY**

<table>
<thead>
<tr>
<th>Fitting</th>
<th>Description</th>
<th>QTY</th>
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<tbody>
<tr>
<td>1</td>
<td>Tip ring and pole cap</td>
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<td>Depth indication mark</td>
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<tr>
<td>2</td>
<td>25 OD S/S tube for M20 bolt</td>
<td>3</td>
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<td>38 OD S/S tube</td>
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<tr>
<td>2</td>
<td>5mm galv. cross wires (access barrier)</td>
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</tr>
</tbody>
</table>

**Refer dwg 5.7-3-1 for Foundations**

**Refer dwg 5.4-5-2 for pole with normal crossarms and 5.4-8-2 for pole with 1 extended crossarm construction**
NOTES:

1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2 mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.

Refer dwg 5-7-3-1 for Foundations
Refer dwg 5-4-5-2 for pole with normal crossarms and 5-4-8-2 for pole with 1 extended crossarm construction
NOTES

1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require ±1/2 mm tolerance between them and ±1/2 mm orientation tolerance.
3. Longitudinal capacities to be less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.

Refer dwg 5-7-3-1 for Foundations
Refer dwg 5-4-5-2 for pole with normal crossarms and 5-4-8-2 for pole with 1 extended crossarm construction
NOTES

1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2mm orientation tolerance.
3. Longitudinal capacities to be not less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. Pole manufacturer to nominate joint locations on poles greater than 24m.

Refer dwg 5-7-3-1 for Foundations
Refer dwg 5-4-5-2 for pole with normal crossarms and 5-4-8-2 for pole with 1 extended crossarm construction.
**NOTES**

1. Orientation is measured clockwise when looking down on pole tip.
2. Bracketed fittings require ±2 mm tolerance between them and ±1 mm orientation tolerance.
3. Longitudinal capacities to be less than transverse capacities.
4. Stainless steel tubes are to be accurately positioned and free from concrete and deformity.
5. A nominal Ø10 vent hole is required at the centre of the through tube provided for square rigging.
6. Pole manufacturer to nominate joint locations on poles above 24m.

Refer dwg 5-7-3-1 for Foundations

Refer dwg 5-4-5-2 for pole with normal cross arms and 5-4-8-2 for pole with 1 extended cross arm construction.