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<thead>
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<th>Section Title / Drawing Number</th>
<th>Current Published</th>
<th>Issued Document Revision Number:</th>
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<tbody>
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<td>2 3</td>
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<td>5-20-6-10</td>
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Degree symbols in the title boxes are displayed as %D. This does not effect the accuracy of the drawings. This will be resolved in the next revision.
### 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 deformation.
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.

---

**Table: Fitting Description**

<table>
<thead>
<tr>
<th>Fitting Purpose</th>
<th>Fitting Description</th>
<th>Qty</th>
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<tbody>
<tr>
<td>1</td>
<td>Tip ring and pole cap</td>
<td>1</td>
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<tr>
<td>2</td>
<td>Depth indication mark</td>
<td>3</td>
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<tr>
<td>3</td>
<td>M16 ferrule (25mm thread)</td>
<td>23</td>
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<td>4</td>
<td>M12 earth ferrule (30mm thread)</td>
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<td>5</td>
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<tr>
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<td>14</td>
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</tbody>
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**Refer dwg 5-7-3-2 for Foundations**

**Refer dwg 5-4-15-10 for 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 are 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 5-7-3-2 for Foundations
Refer dwg 5-4-15-10 for 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.

Length (m) 24
Limit State Design Load (kN) 60

T/DIA. (mm) 405
Butt Dia. (mm) 785
Angle 0-5

Planting Depth (mm) 4.3 (Fully Stayed)
Planting Depth (mm) 4.8 (Normal soil)

M16 ferrule (25mm thread)
Earth
K
32 OD S/S tube
6-3
M12 earth ferrule (30mm thread)
H
For maintenance purpose
M16 ferrule (25mm thread)
Fall Arrest Bracket and Step bolt to pole
F
Bottom Phase Flanged Eye Bolt (M20)
Fall Arrest Bracket and Step bolt to pole
M12 earth ferrule (30mm thread)
Fall Arrest Bracket and Step bolt to pole
M16 ferrule (25mm thread)
Fall Arrest Bracket and Step bolt to pole
F
ISSUE
Earth
M12 earth ferrule (30mm thread)
32 OD S/S tube
25 OD S/S tube
M12 earth ferrule (30mm thread)
22 OD S/S tube for M16 bolt
G
F
Fall Arrest Bracket and Step bolt to pole
Earth
679
307°
Fall Arrest Bracket and Step bolt to pole
M16 ferrule (25mm thread)
452
F
22 OD S/S tube
M12 earth ferrule (30mm thread)
M16 Ferrule Long (90mm thread)
Top Phase Flanged Eye Bolt (M20)
32 OD S/S tube
M16 ferrule (25mm thread)
0.625
Fall Arrest Bracket and Step bolt to pole
X
Earth
M16 ferrule (25mm thread)
G
M16 ferrule (25mm thread)
G
32 OD S/S tube
Fall Arrest Bracket and Step bolt to pole
0.853
Fall Arrest Bracket and Step bolt to pole
F
Earth
M16 ferrule (25mm thread)
G
M16 ferrule (25mm thread)
G
32 OD S/S tube
Fall Arrest Bracket and Step bolt to pole
0.125
0.75
M16 ferrule (25mm thread)
25 OD S/S tube
Fall Arrest Bracket and Step bolt to pole
H
Fall Arrest Bracket and Step bolt to pole
F
Earth
E
497
T
Eye bolt for OHEW (M20)

Name Plate
Fall Arrest Bracket and Step bolt to pole
Fall Arrest Bracket and Step bolt to pole
F
M16 ferrule (25mm thread)
21000
19200
18900
18500
14700
14250
12450
11550
11150
11100
10250
10200
10050
9300
8800
600
400
300
250
150
100
50
20

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>
<thead>
<tr>
<th>DISTANCE</th>
<th>ORIENTATION</th>
<th>FITTING DESCRIPTION</th>
<th>TUBE LENGTH</th>
<th>FITTING PURPOSE</th>
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<td>B ring and pole cap</td>
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<td>63 S/S bolt for B ring (M16)</td>
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<td>H</td>
<td>95 OD S/S tube</td>
<td>470</td>
<td>95 S/S bolt for B ring (M16)</td>
</tr>
</tbody>
</table>

**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. Bracketed fittings require +/- 2 mm tolerance between them and +/- 2 mm orientation tolerance.
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 5-7-3-2 for Foundations
Refer dwg 5-4-15-10 for Construction

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**OVERHEAD SUB-TRANSMISSION**

69kV CONCRETE POLE MANUFACTURING DETAILS

**ANGLE/TERMINATION 18m x 80m POLE**

**NAME PLATE INFORMATION**

MANUFACTURER'S NAME/TRADE MARK

M16 ferrule (25mm thread)

M12 earth ferrule (30mm thread)

25 OD S/S tube

38 OD S/S tube

32 OD S/S tube

22 OD S/S tube

307°

25 OD S/S tube

M16 ferrule (25mm thread)

470°

E

Top Phase Flanged Eye Bolt (M20)

0.125

G

32 OD S/S tube

Bottom Phase Flanged Eye Bolt (M20)

608°

D

Tip ring and Pole cap

0.50

F

Earth

Additional earthing (in normal soil)

4.9

H

additional earthing (fully stayed poles)

Length indication mark

RURAL VERTICAL STRAIN 0% - 5%

C6RSV18CD

C6RSVT18CD

STOCK CODE:

2414373

---

**STOCK CODE:**

PLANTING DEPTH (m)

BUTT DIA. (mm)

LIMIT STATE DESIGN LOAD (kN)

LENGTH (m)

ERGON ENERGY

BATCH NO.

PLANTING DEPTH (m)

BUTT DIA. (mm)

LIMIT STATE DESIGN LOAD (kN)

LENGTH (m)

ERGON ENERGY

BATCH NO.

PLANTING DEPTH (m)

BUTT DIA. (mm)

LIMIT STATE DESIGN LOAD (kN)

LENGTH (m)

ERGON ENERGY

BATCH NO.
### Notes

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Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-15-10 for Construction
### Technical Details

**Limit State Design Load (kN):** 80

**Pole Diameter (mm):** 405

**Angle (°):** 0-2

**Planting Depth (m):** 3.0 (Fully Stayed)

**Planting Depth (m):** 4.9 (Normal Soil)

**Structure Type:** C6RSVSO08ED/E1 C6RSVZ008ED/E1

**Issue:** 2410769

### Table: Fitting Description

<table>
<thead>
<tr>
<th>Distance</th>
<th>Orientation</th>
<th>Fitting Description</th>
<th>Tube Length</th>
<th>Fitting Purpose</th>
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<td>M16 ferrule (25mm thread)</td>
<td>M16 ferrule (25mm thread)</td>
<td>H H H</td>
</tr>
</tbody>
</table>

### 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.
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---

### Hard Copy

ERGON ENERGY
STANDARD / MARINE GRADE
POLE MANUFACTURE

**Length (m):** 24

**Pole Diameter (mm):** 765

**Planting Depth (m):** 3.0 (Fully Stayed)

**Planting Depth (m):** 4.9 (Normal Soil)

**Structure Type:** C6RSVSO08ED/E1 C6RSVZ008ED/E1

**Issue:** 2410769

---

### Diagram

Refer dwg 5-7-3-2 for Foundations
Refer dwg 5-4-15-10 for Construction

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### Table: Set Fitting Description

<table>
<thead>
<tr>
<th>Fitting</th>
<th>Description</th>
<th>QTY</th>
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<tr>
<td>A</td>
<td>Tip ring and pole cap</td>
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</tr>
<tr>
<td>J</td>
<td>Depth indication mark</td>
<td>3</td>
</tr>
<tr>
<td>H</td>
<td>M16 ferrule (25mm thread length)</td>
<td>37</td>
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<tr>
<td>I</td>
<td>Name plate</td>
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<tr>
<td>D</td>
<td>22 OD 5/S tube for M16 bolt</td>
<td>3</td>
</tr>
<tr>
<td>E</td>
<td>25 OD 5/S tube for M20 bolt</td>
<td>11</td>
</tr>
<tr>
<td>F</td>
<td>32 OD 5/S tube for M24 bolt</td>
<td>16</td>
</tr>
<tr>
<td>G</td>
<td>38 OD 5/S tube</td>
<td>2</td>
</tr>
<tr>
<td>K</td>
<td>50mm galv. cross wires (access barrier)</td>
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<tr>
<td>X</td>
<td>M16 ferrule long (90mm thread length)</td>
<td>6</td>
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### Drawing Number

DRAWING NUMBER: 5-20-6-8