



# Proforma for Substation Hardware

Template Identifier	-
Template Revision	-
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<b>Scheme</b>	Esselen Emergency Bypass
<b>Project</b>	Esselen Emergency Bypass
<b>Substation</b>	Esselen
<b>Grid</b>	Central
<b>Date</b>	05 April 2024
<b>Revision Number</b>	1
<b>Eskom Reference Document: 240-6777474 &amp; 0.54/412</b>	

### Strain Clamps

	Type	SAP #	Description	Note	QTY
15	EW1	10957	10-21,5 mm (EW1)		30

- NOTES:**
- Items 11 and 12 Suitable for 38 mm and 26 mm dia. Insulated Conductor
  - Items 11 and 12 to be ELC Type EA18 (Eskom Drawing No. 0.54/2145) and fitted with Socket Tongue EC74 (Item 25).

### Single Strain Assemblies

	Type	SAP #	Description	Note	QTY
27	A40	11080	26 mm Single Conductor		6
33	B44	11094	38 x 150 mm Twin Conductor		48

- NOTES:** \* With holes for corona ring attachment (for 275kV and above).

### Single Suspension Assemblies

	Type	SAP #	Description	Note	QTY
44	E42	11286	38 x 150 mm Twin Conductor *		18

- NOTES:** \* With holes for corona ring attachment (for 275kV and above).  
\*\* With corona balls (for 275kV and above).

### ADDITIONAL NON-STANDARD CLAMPS REQUIRED

	Type	SAP #	Description	Note	QTY
61	TCT-120/38		Twisted Clevis Tongue	120kN (Bolt Type)	30
62	TTOE-120		Twisted Tongue	Oval Eye	30
63	SHB/T-120		Twisted Shackle	Bolt Type	4
64	2PG/E-Bi		PG Clamp	Extruded	20

### Revision Control

Rev	Date	Description	Compiled By:
1	05-Apr-24	Re-ordering of Hardware as requested by the current responsible project manager. Hardware previously ordered using Hardware proforma dated 23/07/2014 were destroyed by a veld fire at Esselen MTS	Stanley Beukes

	Name	Designation	Signature	Date
<b>Compiled By</b>	Stanley Beukes	Engineer		05-Apr-24
<b>Reviewed By</b>	Fredda Laka	Senior Tech		06-June-24
<b>Authorized By</b>	Derrick Delly	Chief Engineer		12/06/2024