

Yoke Plate Assembly, Deadend Strain



1. Scope

This standard covers the material requirements for a galvanized steel heavy-duty deadend yoke plate assembly.

This standard applies to Seattle City Light (SCL) stock number 693085.

2. Application

Yoke plate assemblies are commonly used to attach double strings of transmission class suspension insulators to supporting structures. The yoke plate assembly provides an insulator spacing of 18 inches.

3. Industry Standards

Yoke plate assembly shall meet the applicable requirements of the following industry standards:

ASTM A153; "Standardized Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware"

ASTM A47; "Standard Specification for Ferritic Malleable Iron Castings"

ASTM A668/A668M; "Standard Specification for Steel Forgings, Carbon and Alloy, for General Industrial Use"

Federal Specification RR-C-271D; "Chains and Attachments Carbon and Alloy Steel"

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4. Requirements

Each assembly shall be composed of the material listed in Table 4 and shown in Figure 4.

Table 4. Yoke Plate Assembly Material List






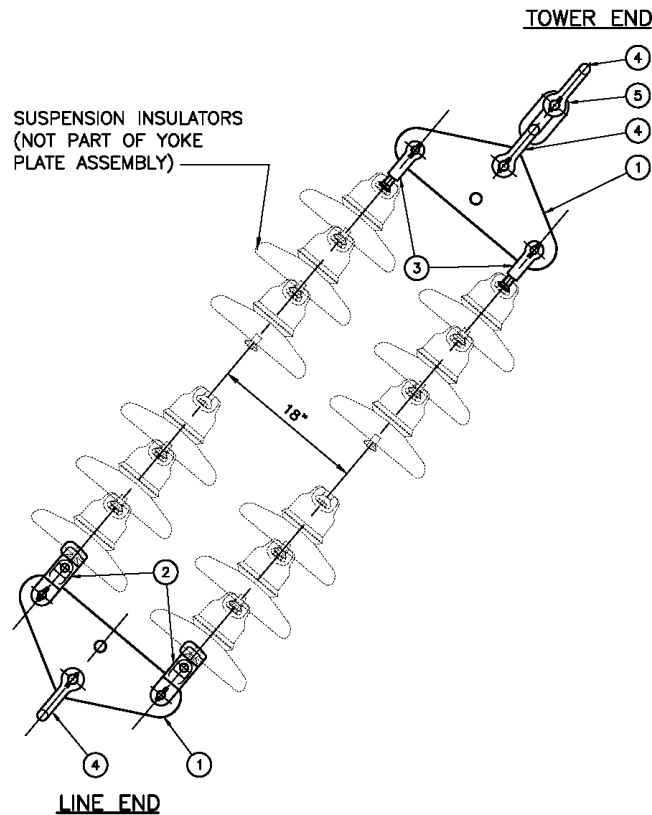
Item No.	Qty	Description	Stock No.	Ultimate Strength Rating (lb)	
1	2	Galvanized steel yoke plate	013660	90,000	
2	2	Iron socket clevis	695550	30,000	
3	2	Forged steel ball clevis	695515	30,000	
4	3	Forged steel anchor shackle	696618	47,500	
5	1	Forged steel chain link	696200	60,000	

Figure 4. Complete Assembly



5. Packaging

Each assembly kit shall be shipped assembled.

Each standard package shall be legibly marked with the following information:

- Manufacturer's identification
- Product description
- SCL stock number
- Quantity contained

Each shipping container shall be legibly marked with the following information:

- Manufacturer's identification
 - Country of origin
 - Product description
 - SCL purchase order number
 - SCL stock number
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6. Issuance

Stock Unit: EA

7. Approved Manufacturers

Hubbell Power Systems Kit Part #KIT-693085

8. Sources

Drawing C-11924, Cat. No. TAD-12-11924; Double String Deadend Assembly, 60,000 lb, Anderson Electrical Connectors, Square D Company, Circa 1980.

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National Electric Safety Code (NESC) 2012; Table 263-1, "Sizes for Grade N Supply Line Conductors"

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