

## SDC™ Composite Bushing - 34.5kV

By Electro Composites  
Catalog # 200-004-T-590-00

SDC™ 34.5kV-400DL A Transformer Condenser Bushing, Solid-Dielectric-Capacitor Type, Rated per IEC 60137, Drawlead Connected for Air-to-Oil Applications, 10" Min. Oil Immersion Level/CT Pocket Length, 37.3" Min. Creepage Length



\*Representative Image

### Features

- SDC™ - Solid Dielectric Capacitance Graded Composite Construction
- EC-APG-02 Cycloaliphatic Epoxy Compound for Optimal Performance
- Meets IEC 60137 Electrical and Mechanical Requirements
- Can be mounted vertically or horizontally

### Application

Transformer

### General

Bottom Terminal Type	None
Color	Gray
Immersion Type - Above Flange	Air
Immersion Type - Below Flange	Oil
Material - Flange	Aluminum
Material - Insulation	APG-02 - Cycloaliphatic Epoxy
Mounting Position	Vertical to Horizontal
Number of Flange Mounting Holes	4
Plating - Bottom Terminal	None
Test Tap	Yes
Top Terminal Plating	Tin
Top Terminal Type	1 1/2-12
Type	SDC - Solid Dielectric Capacitor

### Dimensions

Above Flange Length	24.81 in
Below Flange Length	18.44 in
Diameter - Above Flange Maximum	8.64 in
Diameter - Below Flange Maximum D <gt;/> 1"	4.15 in
Diameter - Below Flange Maximum P	4.15 in
Diameter - Live Part Bottom	1.25 in
Diameter - Live Part Top	3.50 in
Effective Length - Top Terminal	4.00 in
Flange Mounting Hole Bolt Circle	7.25 in
Flange Mounting Hole Diameter	0.88 in
Flange Outside Diameter	8.50 in
Length	43.25 in
Length - Drawlead Above Flange	19.75 in
Length - Ground Shield	10.00 in
Length - Insulation Above Flange	13.50 in
Length - Insulation Below Flange	7.54 in
Length - Live Part Bottom	0.90 in
Length - Live Part Top	7.50 in
Length - Minimum Oil Immersion Level	10.00 in
Sealing Surface Inside Diameter	5.00 in
Sealing Surface Outside Diameter	5.41 in
Stud Inside Diameter	1.00 in
Thread Size - Drawlead Connector	3/4-10
Top Terminal Min. Thread Length	4.00 in
Weight	50 lb

### Electrical Ratings

BIL	200 kV
Current Rating	400 A
Minimum Creepage	37.30 in
Minimum Strike	15.70 in

Withstand Voltage - 60 Hz 77 kV  
Dry  
kV Class 34.5 kV

### **Certifications and Compliance**

Industry Standard(s) IEC 60137

### **Product Assets**

[Installation Manuals - SDC™ Bushing General Handling and Maintenance Guide - Electro Composites](#)  
[Literature - Apparatus Bushings Selection Guide \(TD02026E\)](#)  
[Literature - SDC™ GSU Bushings - Electro Composites \(SF02018E\)](#)  
[Literature - SDC™ HV Generator Bushings - Electro Composites \(SF02019E\)](#)  
[Literature - SDC™ HV Bushings - Electro Composites \(SF02017E\)](#)  
[Literature - EC SDC Solid Dielectric Bushings v3](#)  
[Literature - FRENCH V2 - EC Generation Bushings](#)  
[Literature - FRENCH V2 - EC GSU Bushings](#)  
[Literature - How an SDC Bushing Test Tap is Constructed](#)  
[Sales Drawings - 590-00\\_6587-6220](#)  
[Video - ElectroComposites Factory Tour: St. Jerome \(VIO0124E\)](#)



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