

HV Transformer Bushings

POBTL Series - Outdoor
to 170kV BIL, Angled Bushings



POBTL25 Bushing
with 22 Degree Angle
and Captive Clamp

Application:

- air to oil in power and distribution transformers
- voltage ratings 15kV through 34.5kV
- current ratings to 2000A
- outdoor applications (exposed to UV radiation) in light to heavily polluted environments
- suitable for ambient temperatures from -50C to 130C

Construction:

- capacitance graded condenser type bushings with internal ground shield for control of electric field distribution
- EC-O cycloaliphatic epoxy body, angled at 22 degrees
- electrolytic copper studs with threaded terminations
- metallic 'corona cap' provides a positive weather seal
- externally clamped
- designed and tested to meet IEC 137 standard

Options:

- various below flange lengths for CT mounting
- tin or silver-plated conductors

- Clamps - See Section 7, Page 193a
- Gaskets - See Section 7, Page 194a
- Connectors - See Section 7, Page 195a

Flange and Body Options

Four Stud Mounting with Captive Clamp: (Allows any 45 degree positioning)				
Catalog Number	BIL	Current Rating	Drawing Number	Details
POBTL25	125kV	600-800A	169-490-21	1.25" dia stud, silver plated; 2.63" dia body below flange

Outline Details of this item are on the following page.

*This concept can be applied and extended to other voltage and current ratings.
Polycast welcomes any opportunity for further development to suit your special requirements.*

The angled bushing permits close spacing of the bushings within an oil filled tank while providing for the additional strike distance necessary externally.

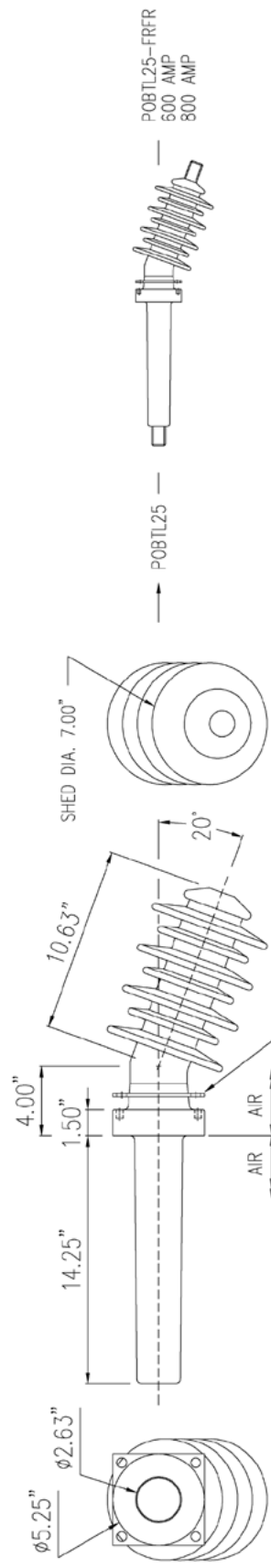
*POBTL25 SERIES – HV TRANSFORMER BUSHINGS
QUICK REFERENCE GUIDE*

BODY STYLE →

SERIES DESIGNATION →

AVAILABLE OPTIONS →

STANDARD OPTION →



POBTL25 – 26.4kV / 125kV BIL

POBTL25-FRFR
600 AMP
800 AMP

POBTL25

965 SHERWIN ROAD
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