

H-J International, Inc. Electrical Porcelain

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High Quality Porcelain Insulators

Standoff Insulators
5kV - 60kV BIL to
25kV - 150kV BIL

5kV, 60kV BIL,
3" Strike, 5" Creep
3-1/2" dia., 3" Tall, POB-014

7.5kV, 75kV BIL,
3-1/2" Strike, 6-1/4" Creep
3-1/2" dia., 3-1/2" Tall, POB-015

8.7kV, 95kV BIL,
4-1/2" Strike, 6-1/2" Creep
3-1/2" dia., 4-1/2" Tall, POB-016

15kV, 110kV BIL,
6" Strike, 10-5/8" Creep
3-1/2" dia., 6" Tall, POB-017

25kV, 150kV BIL,
4-1/2" Strike, 6-1/2" Creep
3-1/2" dia., 8-1/2" Tall, PO0097-001

Specialty Porcelain

25kV, 150kV BIL
24.73" Creep, 12.65" Strike,
3.88" dia. Bore, 9.75" Shank, PO0063-001
Internally or Externally Clamped, High
Voltage Porcelain Suitable for Current
Limiting Fuse Mounting Inside

Engineered NON Porcelain Insulators

Low Voltage NON-Porcelain Threaded Style with Spin-Grip Nut Design and Two Piece Design for Transformer, Regulator and Switchgear Applications
1.2kV-30kV BIL

Central Moloney Thermoplastic
1.2 kV-30 kV BIL, Threaded Style,
1.53" Creep Distance, 1.0" Strike,
1.62" Shank Length, 1-7/16" Tank Hole,
0.53" Bore Diameter, PO0015-001,
Requires Plastic Nut, NT0016-001

Central Moloney Thermoplastic
1.2 kV-30 kV BIL, Threaded Style,
1.97" Creep Distance, 1.3" Strike,
2.0" Shank Length, 1.81" Tank Hole,
0.78" Bore Diameter, PO0020-001
Requires Plastic Nut, NT0019-001

Central Moloney Thermoplastic
1.2kV-30kV BIL
2.80" Tank Hole Opening
Two Piece Assembly

Central Moloney Thermoplastic
1.2kV-30kV BIL, for 3/4" & 1" Stud
External Half, PO0010-001
2.10" Creep, 1.5" Strike
Requires PO0012-001

Central Moloney Thermoplastic
1.2kV-30kV BIL, for 1.25" Stud
External Half, PO0011-001
2.10" Creep, 1.5" Strike
Requires PO0012-001

Central Moloney Thermoplastic
1.2kV-30kV BIL, for 1.25" Stud
Internal Half, PO0012-001
Two Piece Assembly
Requires PO0010-001 or PO0011-001

ABB Thermoset Epoxy
1.2 kV-30 kV BIL, Threaded Style,
1.15" Creep, 1.96" Shank Length,
0.52" Bore Diameter,
1-7/16" Tank Hole Opening, PO0079-001
Requires Metal Nut, NT0005-001

ERMCO Thermoset Epoxy
1.2 kV-30 kV BIL, Threaded Style,
1.34" Creep Distance, 1.96" Shank Length,
0.54" Bore Diameter,
1-7/16" Tank Hole Opening, POB-018
Requires Metal Spin Grip Nut, NT0005-001

H-J Enterprises & H-J International are among the nation's largest users and suppliers of porcelain for the electrical industry. Applications include: transformer bushings, station post insulators, standoff insulators, hollow insulators for instrument transformers, wall bushings and many others.



High Quality, Reliable Supplier of Electrical Porcelain



H-J International, Inc.

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Tel: (636) 677-3421 Fax: (636) 376-1915
www.h-jinternational.com



Your Source For Electrical Porcelain



H-J has a very knowledgeable engineering and marketing team that can handle special projects from concept to research & development. With over 30 years of experience we can offer money saving alternatives in various designs and applications.

We at H-J currently have 6 international suppliers of high quality porcelain. Each one of these suppliers has their own specialty and particular designs for the markets they service. This allows us to match the porcelain with the best-suited manufacturer for your product. It also ensures uninterrupted product supply and standard of quality.

All of our ceramic insulators are manufactured from the highest quality raw materials to make electrical grade porcelain. They are made by the Wet Process Method and meet all applicable standards. C110 or C120 (high strength) material is used according to IEC 672.3 standard. The porcelain is tough, homogeneous and non-porous. Measurement of all ingredients for clay making is strictly controlled in order to ensure quality in every batch. The glazes are compounded to fit the porcelain correctly to produce the strongest possible combination of porcelain and glaze. Still, porcelain manufacturing is as much of an art as it is a science.

Porcelain is by nature an environmentally friendly product with many years of service life. It is also a less expensive alternative to many plastics.

In order to help our customers with their sourcing needs, H-J has the following programs available:

- Bar Coding, your part number and order identification can be barcoded on the labels, which help your receiving department.
- Stocking Programs at our location which eliminate customer lead-time concerns.
- MRP/KANBAN, we have systems in place for managing our customer's porcelain requirements.

SIGNIFICANT FEATURES

High Quality Wet Process Manufacturing Method

Available in Munsell Gray or Chocolate Brown Color

Various Mounting Applications

Customized Designs

Semi-Conductive Glazing

All Designs Meet and Exceed ANSI, IEC and NEMA Standards

TESTING AVAILABLE

Electrical Testing

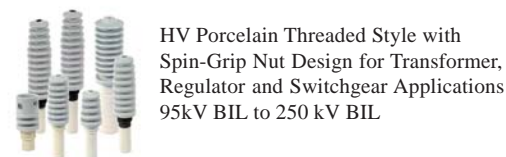
Thermal Cycle Testing

Mechanical Testing

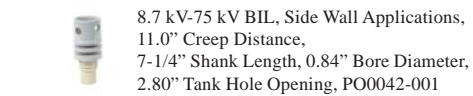
Special Laboratory Testing



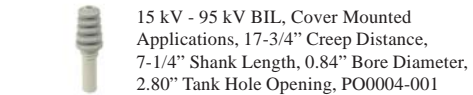
Your Source For Innovative Porcelain Solutions



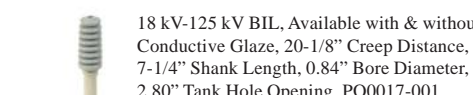
HV Porcelain Threaded Style with Spin-Grip Nut Design for Transformer, Regulator and Switchgear Applications
95kV BIL to 250 kV BIL



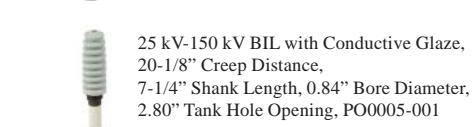
8.7 kV-75 kV BIL, Side Wall Applications,
11.0" Creep Distance,
7-1/4" Shank Length, 0.84" Bore Diameter,
2.80" Tank Hole Opening, PO0042-001



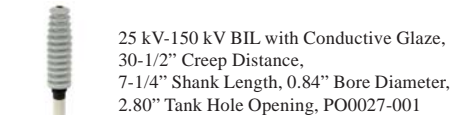
15 kV - 95 kV BIL, Cover Mounted Applications,
17-3/4" Creep Distance,
7-1/4" Shank Length, 0.84" Bore Diameter,
2.80" Tank Hole Opening, PO0004-001



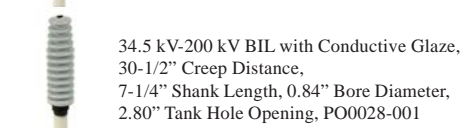
18 kV-125 kV BIL, Available with & without Conductive Glaze,
20-1/8" Creep Distance,
7-1/4" Shank Length, 0.84" Bore Diameter,
2.80" Tank Hole Opening, PO0017-001



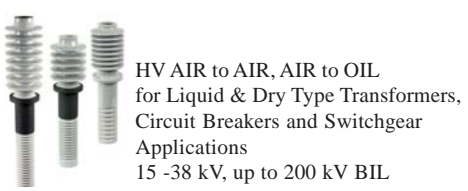
25 kV-150 kV BIL with Conductive Glaze,
20-1/8" Creep Distance,
7-1/4" Shank Length, 0.84" Bore Diameter,
2.80" Tank Hole Opening, PO0005-001



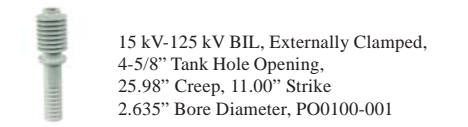
25 kV-150 kV BIL with Conductive Glaze,
30-1/2" Creep Distance,
7-1/4" Shank Length, 0.84" Bore Diameter,
2.80" Tank Hole Opening, PO0027-001



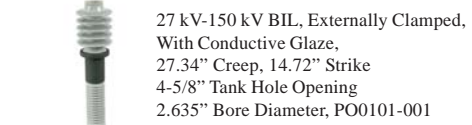
34.5 kV-200 kV BIL with Conductive Glaze,
30-1/2" Creep Distance,
7-1/4" Shank Length, 0.84" Bore Diameter,
2.80" Tank Hole Opening, PO0028-001



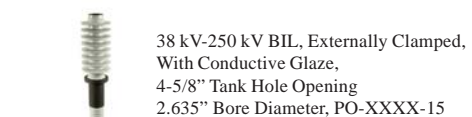
HV AIR to AIR, AIR to OIL for Liquid & Dry Type Transformers, Circuit Breakers and Switchgear Applications
15 -38 kV, up to 200 kV BIL



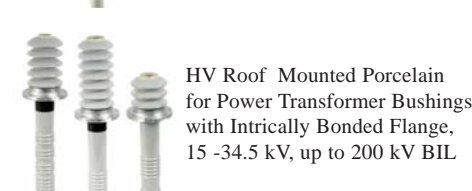
15 kV-125 kV BIL, Externally Clamped,
4-5/8" Tank Hole Opening,
25.98" Creep, 11.00" Strike
2.635" Bore Diameter, PO0100-001



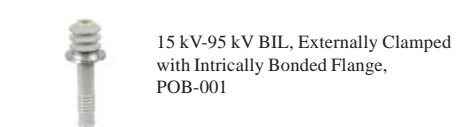
27 kV-150 kV BIL, Externally Clamped,
With Conductive Glaze,
27.34" Creep, 14.72" Strike
4-5/8" Tank Hole Opening
2.635" Bore Diameter, PO0101-001



38 kV-250 kV BIL, Externally Clamped,
With Conductive Glaze,
4-5/8" Tank Hole Opening
2.635" Bore Diameter, PO-XXXX-15



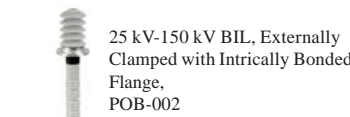
HV Roof Mounted Porcelain for Power Transformer Bushings with Intrically Bonded Flange,
15 -34.5 kV, up to 200 kV BIL



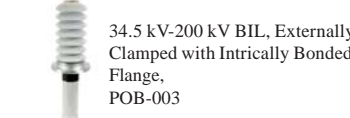
15 kV-95 kV BIL, Externally Clamped with Intrically Bonded Flange,
POB-001



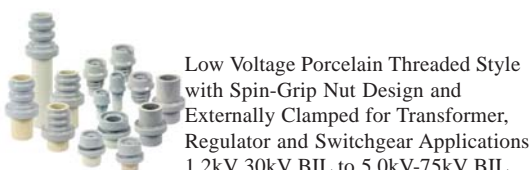
The Right Porcelain For A Specific Application



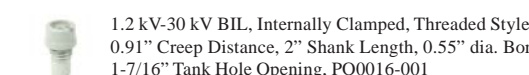
25 kV-150 kV BIL, Externally Clamped with Intrically Bonded Flange,
POB-002



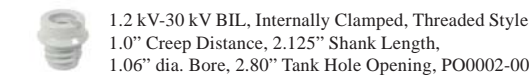
34.5 kV-200 kV BIL, Externally Clamped with Intrically Bonded Flange,
POB-003



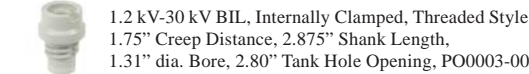
Low Voltage Porcelain Threaded Style with Spin-Grip Nut Design and Externally Clamped for Transformer, Regulator and Switchgear Applications
1.2kV 30kV BIL to 5.0kV-75kV BIL



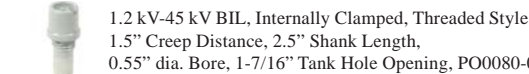
1.2 kV-30 kV BIL, Internally Clamped, Threaded Style,
0.91" Creep Distance, 2" Shank Length, 0.55" dia. Bore,
1-7/16" Tank Hole Opening, PO0016-001



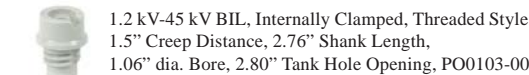
1.2 kV-30 kV BIL, Internally Clamped, Threaded Style,
1.0" Creep Distance, 2.125" Shank Length,
1.06" dia. Bore, 2.80" Tank Hole Opening, PO0002-001



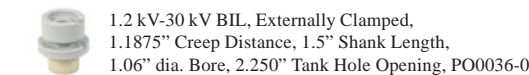
1.2 kV-30 kV BIL, Internally Clamped, Threaded Style,
1.75" Creep Distance, 2.875" Shank Length,
1.31" dia. Bore, 2.80" Tank Hole Opening, PO0003-001



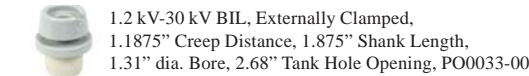
1.2 kV-45 kV BIL, Internally Clamped, Threaded Style,
1.5" Creep Distance, 2.5" Shank Length,
0.55" dia. Bore, 1-7/16" Tank Hole Opening, PO0080-001



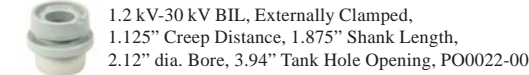
1.2 kV-45 kV BIL, Internally Clamped, Threaded Style,
1.5" Creep Distance, 2.76" Shank Length,
1.06" dia. Bore, 2.80" Tank Hole Opening, PO0103-001



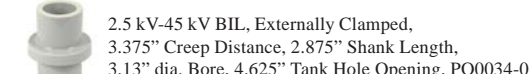
1.2 kV-30 kV BIL, Externally Clamped,
1.1875" Creep Distance, 1.5" Shank Length,
1.06" dia. Bore, 2.250" Tank Hole Opening, PO0036-001



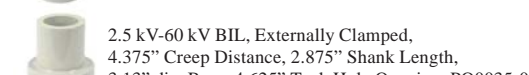
1.2 kV-30 kV BIL, Externally Clamped,
1.1875" Creep Distance, 1.875" Shank Length,
1.31" dia. Bore, 2.68" Tank Hole Opening, PO0033-001



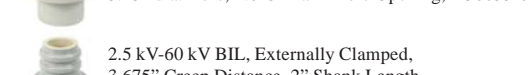
1.2 kV-30 kV BIL, Externally Clamped,
1.125" Creep Distance, 1.875" Shank Length,
2.12" dia. Bore, 3.94" Tank Hole Opening, PO0022-001



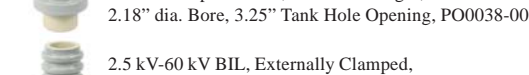
2.5 kV-45 kV BIL, Externally Clamped,
3.375" Creep Distance, 2.875" Shank Length,
3.13" dia. Bore, 4.625" Tank Hole Opening, PO0034-001



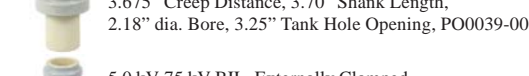
2.5 kV-60 kV BIL, Externally Clamped,
4.375" Creep Distance, 2.875" Shank Length,
3.13" dia. Bore, 4.625" Tank Hole Opening, PO0035-001



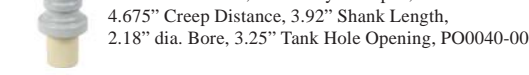
2.5 kV-60 kV BIL, Externally Clamped,
3.675" Creep Distance, 2" Shank Length,
2.18" dia. Bore, 3.25" Tank Hole Opening, PO0038-001



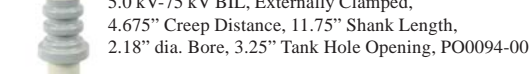
2.5 kV-60 kV BIL, Externally Clamped,
3.675" Creep Distance, 3.70" Shank Length,
2.18" dia. Bore, 3.25" Tank Hole Opening, PO0039-001



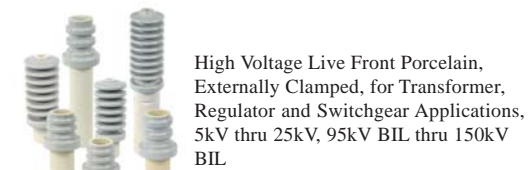
5.0 kV-75 kV BIL, Externally Clamped,
4.675" Creep Distance, 3.92" Shank Length,
2.18" dia. Bore, 3.25" Tank Hole Opening, PO0040-001



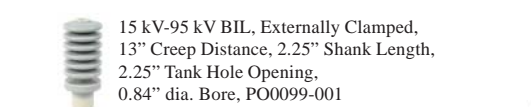
5.0 kV-75 kV BIL, Externally Clamped,
4.675" Creep Distance, 11.75" Shank Length,
2.18" dia. Bore, 3.25" Tank Hole Opening, PO0094-001



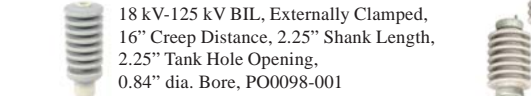
5.0 kV-75 kV BIL, Externally Clamped,
4.675" Creep Distance, 11.75" Shank Length,
2.18" dia. Bore, 3.25" Tank Hole Opening, PO0094-001



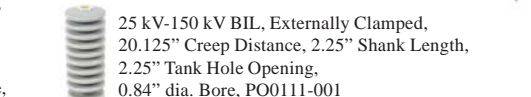
High Voltage Live Front Porcelain, Externally Clamped, for Transformer, Regulator and Switchgear Applications,
5kV thru 25kV, 95kV BIL thru 150kV BIL



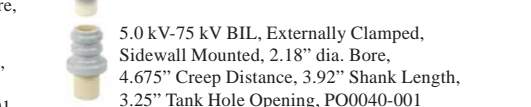
15 kV-95 kV BIL, Externally Clamped,
13" Creep Distance, 2.25" Shank Length,
2.25" Tank Hole Opening,
0.84" dia. Bore, PO0099-001



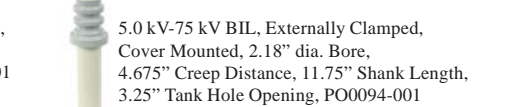
18 kV-125 kV BIL, Externally Clamped,
16" Creep Distance, 2.25" Shank Length,
2.25" Tank Hole Opening,
0.84" dia. Bore, PO0098-001



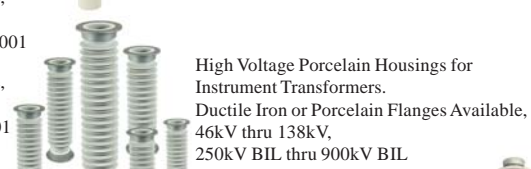
25 kV-150 kV BIL, Externally Clamped,
20.125" Creep Distance, 2.25" Shank Length,
2.25" Tank Hole Opening,
0.84" dia. Bore, PO0111-001



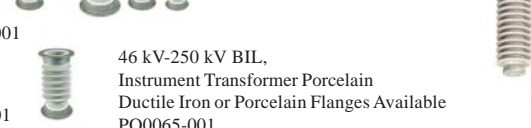
5.0 kV-75 kV BIL, Externally Clamped, Sidewall Mounted, 2.18" dia. Bore,
4.675" Creep Distance, 3.92" Shank Length,
3.25" Tank Hole Opening, PO0040-001



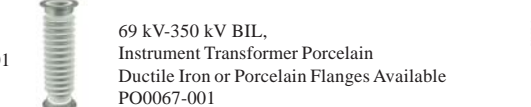
5.0 kV-75 kV BIL, Externally Clamped, Cover Mounted, 2.18" dia. Bore,
4.675" Creep Distance, 11.75" Shank Length,
3.25" Tank Hole Opening, PO0094-001



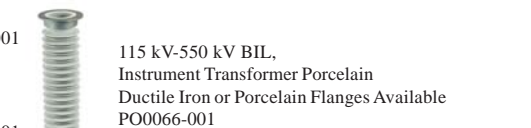
High Voltage Porcelain Housings for Instrument Transformers.
Ductile Iron or Porcelain Flanges Available,
46kV thru 138kV,
250kV BIL thru 900kV BIL



46 kV-250 kV BIL, Instrument Transformer Porcelain
Ductile Iron or Porcelain Flanges Available
PO0065-001



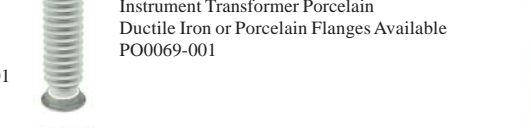
69 kV-350 kV BIL, Instrument Transformer Porcelain
Ductile Iron or Porcelain Flanges Available
PO0067-001



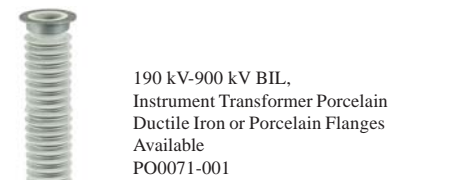
115 kV-550 kV BIL, Instrument Transformer Porcelain
Ductile Iron or Porcelain Flanges Available
PO0066-001



138 kV-650 kV BIL, Instrument Transformer Porcelain
Ductile Iron or Porcelain Flanges Available
PO0069-001



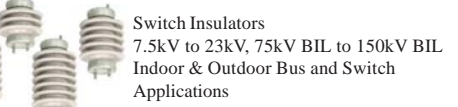
161 kV-750 kV BIL, Instrument Transformer Porcelain
Ductile Iron or Porcelain Flanges Available
PO0070-001



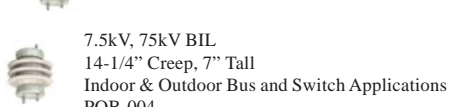
190 kV-900 kV BIL, Instrument Transformer Porcelain
Ductile Iron or Porcelain Flanges Available
PO0071-001



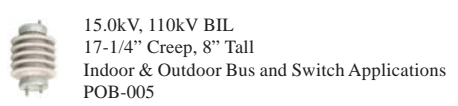
Switch Insulators
7.5kV to 23kV, 75kV BIL to 150kV BIL
Indoor & Outdoor Bus and Switch Applications



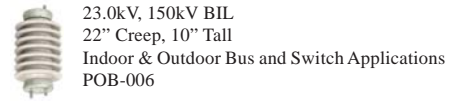
7.5kV, 75kV BIL
14-1/4" Creep, 7" Tall
Indoor & Outdoor Bus and Switch Applications
POB-004



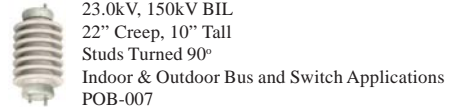
15.0kV, 110kV BIL
17-1/4" Creep, 8" Tall
Indoor & Outdoor Bus and Switch Applications
POB-005



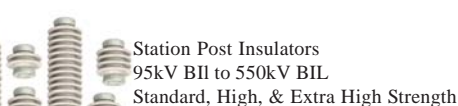
23.0kV, 150kV BIL
22" Creep, 10" Tall
Indoor & Outdoor Bus and Switch Applications
POB-006



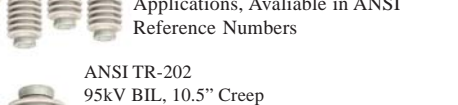
23.0kV, 150kV BIL
22" Creep, 10" Tall
Studs Turned 90°
Indoor & Outdoor Bus and Switch Applications
POB-007



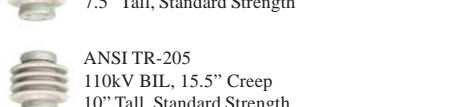
Station Post Insulators
95kV BIL to 550kV BIL
Standard, High, & Extra High Strength Applications, Available in ANSI Reference Numbers



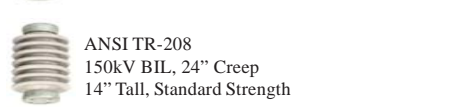
ANSI TR-202
95kV BIL, 10.5" Creep
7.5" Tall, Standard Strength



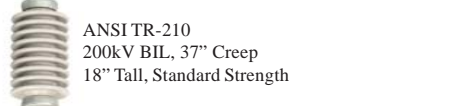
ANSI TR-205
110kV BIL, 15.5" Creep
10" Tall, Standard Strength



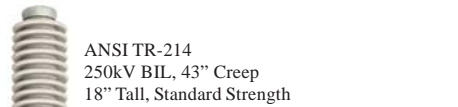
ANSI TR-208
150kV BIL, 24" Creep
14" Tall, Standard Strength



ANSI TR-210
200kV BIL, 37" Creep
18" Tall, Standard Strength



ANSI TR-214
250kV BIL, 43" Creep
18" Tall, Standard Strength



ANSI TR-216
350kV BIL, 72" Creep
30" Tall, Standard Strength