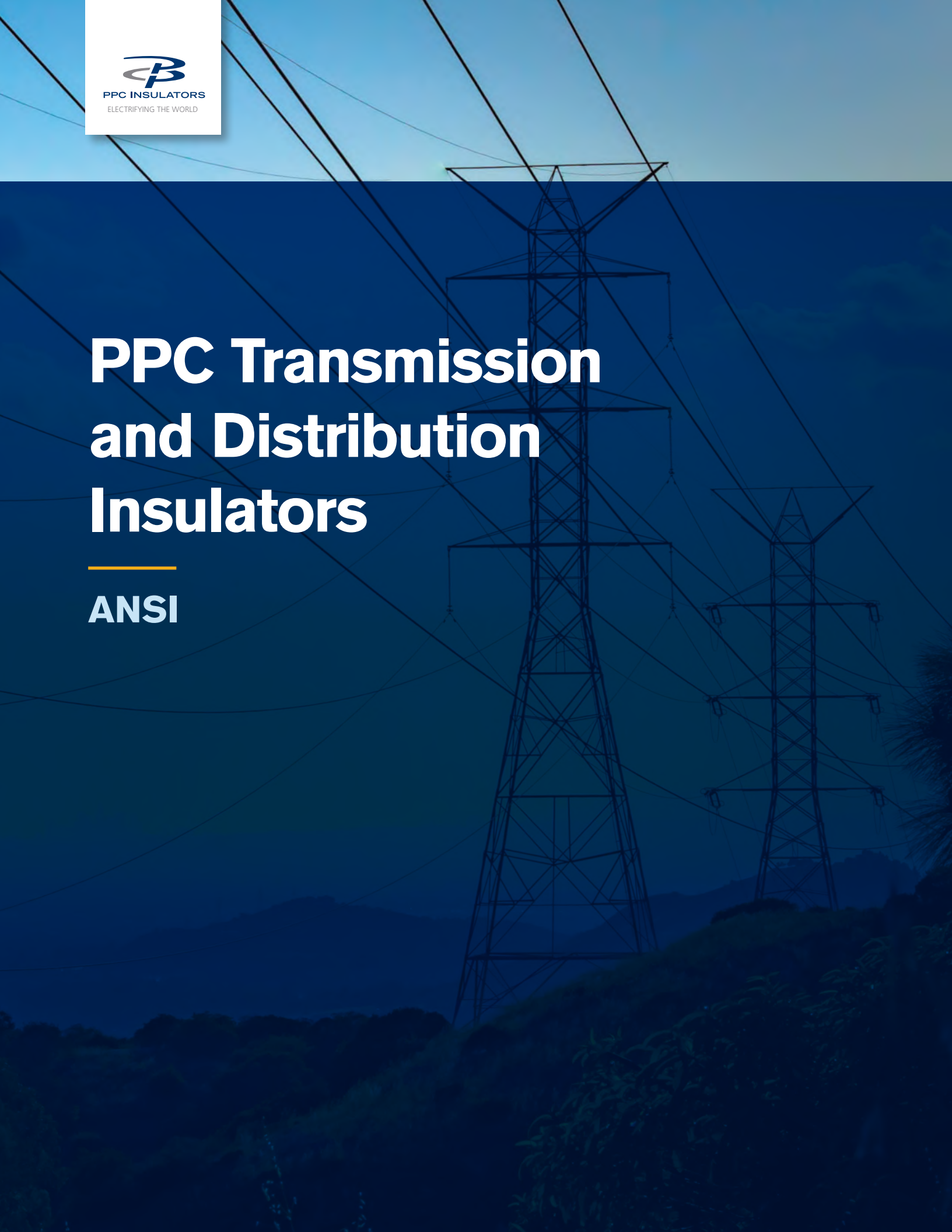
PPC INSULATORS
ELECTRIFYING THE WORLD



PPC Transmission and Distribution Insulators

ANSI

Quality Transmission and Distribution Insulators

Designed to last!

PPC Insulators is a leading provider of high-quality, reliable porcelain products for over 130 years. Our quality process control provides superior products for long lasting performance.

PPC Insulators is a global leader in porcelain insulator technologies. We offer a wide range of products suited for the most diverse customer and their needs. PPC Insulators is a partner of choice for all transmission and distribution insulators from suspension insulators, tie top line post insulators, pin type and high voltage pin type insulators, spool and guy strain insulators, horizontal and vertical clamp top line post insulators and polymer dead end insulators.
Our global team is ready to support you locally, providing you with the products that will fit your needs.

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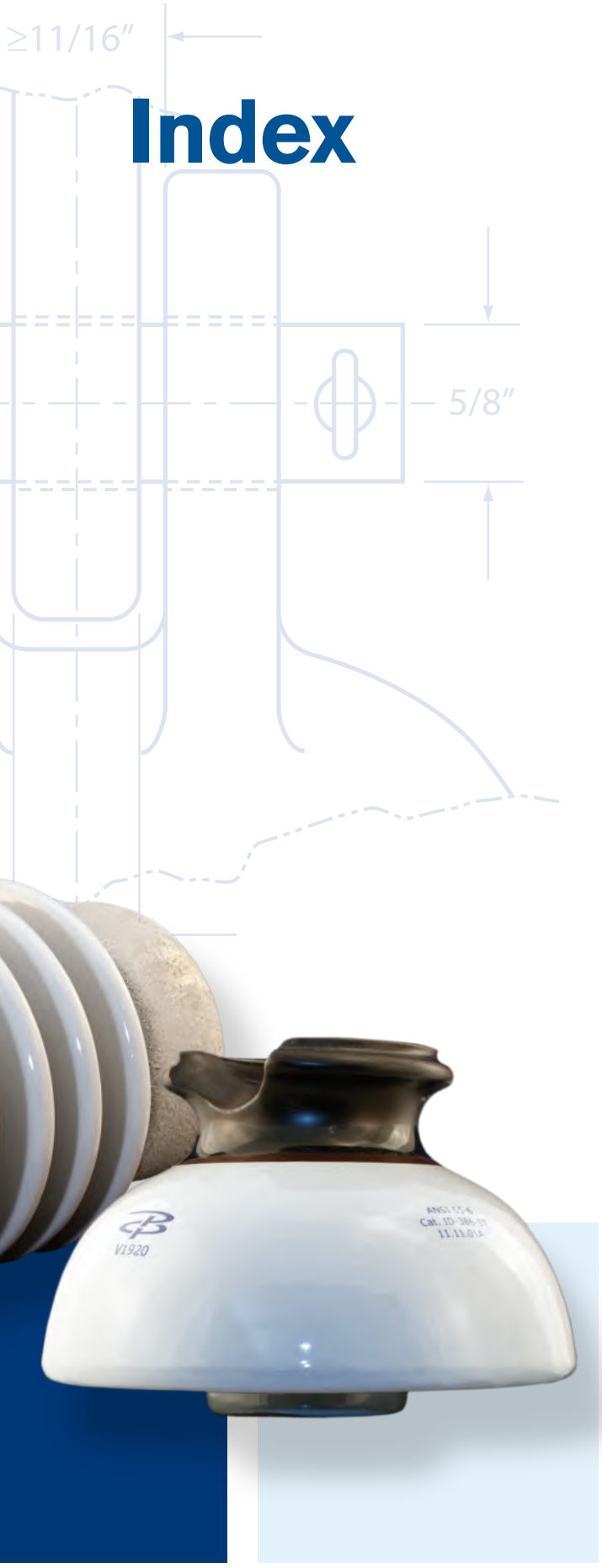


T&D Insulators

Assortment of quality.

Suspension Insulators

PPC Insulators standard suspension insulators with high mechanical and electrical strength are designed to meet the most modern demands.

PPC Insulators makes one of the widest ranges of ANSI approved Ball–Socket and Clevis type suspension insulators for overhead distribution and transmission systems.

Each insulator goes through a rigorous testing and conformance process with ANSI standards requirements.

Our suspension insulators catalog numbers are 81022, 81012, 86012, 84300 in accordance with ANSI class C29.2.

Pin Type Insulators

Our pin type insulators are designed for superior performance, avoiding lighting strike punctures. With neck types C, F, K, and J. PPC Pin Type insulators are the right choice for any application. The PPC Pin Type insulators have a large cable groove, allowing different cable sizes to fit perfectly. The neck design allows easy installation of cable ties.

Spool and Guy Strains

PPC Insulators makes spool and guy strain insulators out of the highest grade electrical porcelain with a wide range of electrical and mechanical characteristics.

Strength ratings are made in accordance with ANSI Standard C29.4 for ultimate strength.

Horizontal Clamp Top
Line Post Insulators

PPC Insulators offers horizontal clamp top line post assemblies for ratings 15kV through 45 kV. PPC horizontal mounting line post assemblies are primarily recommended for down leads, jumper loop control and similar applications. A galvanized metal cap is cemented to the outside of the line post head, supporting the trunnion type clamp.

Vertical Clamp Top
Line Post Insulators

PPC Insulators offers vertical clamp top line post assemblies ranging from 15 kV through 45 kV.

PPC vertical clamp top line post insulators are mounted upright on crossarms and structures. Rated at 2800 lbs. cantilever strength these insulators offer excellent strength and electrical characteristics.

Tie Top
Line Post Insulators

PPC Tie Top Insulators are engineered to offer a high dielectric strength for nominal voltages from 15 kV to 45 kV.

Our Tie Top insulators have a large cable groove, allowing different cable sizes to fit perfectly. The neck design allows easy installation of cable ties.

T&D Insulators Features

Character of strength.

Hardware

Suspension insulators are available for ball & socket or clevis–eye coupling. Standard caps are constructed of hot–dip galvanized malleable iron. Cotter keys for locking ball & socket and clevis pin connections are stainless steel.

Hardware Coating

Prior to cementing, all hardware surfaces in contact with cement are coated with a bituminous (asphalt) compound. The compound protects the hardware from chemical attack by the cement and allows thermal movement between parts to relieve mechanical stress created by thermal expansion or cement growth.

Cementing

Caps, ball bolts and eye bolts are cemented on to the porcelain, loading the porcelain across alarge area, for a low-intensitycompressive grip. PPC Insulators utilizes a special Portland cement, particularly suited for use on porcelain insulator assemblies.

Bonded Sand Bands

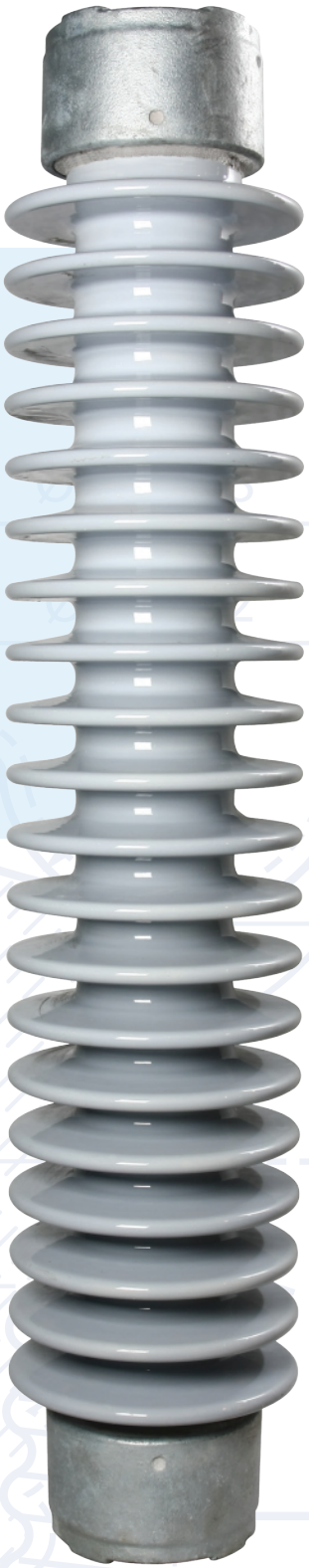
Sand bands bonded to the porcelain by glazing provide a rough surface for permanently attaching hardware and distributing loads evenly through the porcelain. The high strength compression sand is manufactured by PPC Insulators to match the characteristics of the porcelain body.

Glaze

- Gray glaze: ANSI – 70, Munsell 5BG 7.0/0.4 is supplied as standard on all PPC suspension insulators unless otherwise specified.
- Brown glaze is also available upon request; simply add the letter “B” at the end of the catalog number.

T&D Insulators Features

Character of strength.



Porcelain Body

PPC transmission and distribution insulators are constructed of high quality electrical grade porcelain.

Each porcelain body receives a series of electrical tests prior to assembly. 100% of all bodies are subjected to high frequency puncture tests to ensure quality and performance prior to assembly. This same test, in addition to other prescribed ANSI tests, is performed again after assembly to ensure the integrity of the final product.

Forged Steel Eye & Ball Bolts

PPC Insulators utilizes hot dip galvanized forged steel for the ball and eye bolts. Standard production of suspension insulators incorporates a pregnant bolt design for both ball & socket and clevis type units.

The extra mass of the pregnant bolt design plus the compound coating provides corrosion protection at the cement line caused by ozone, electrolytic action and other factors. A zinc sleeve may also be supplied on a straight bolt, for corrosion protection, when specified.

Protected Leakage Configuration

The umbrella type porcelain shell protects the leakage corrugations on the underside of the insulator from contamination and mechanical damage. The shed design has been optimized to provide the greatest exposed and protected leakage distance relative to insulator size.

Interference Free

PPC Insulators suspension insulators are radio & television interference free by design and have been completely tested, both individually and as assemblies. Our hardware is smooth contoured with well–rounded edges to reduce RIV build-up and does not require corona rings.

Reduced Incidence of Puncture

Through extensive testing and robust design, PPC Insulators products are highly resistant to lightning puncture.

Suspension Insulators

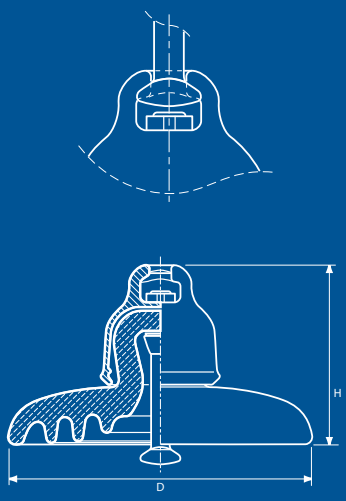
Catalog Number	81022	81012
ANSI Technical Reference Number	52-3	52-4
Dimensions (inches)		
Leakage Distance	11.5"	11.5"
H - Height	5.75"	5.75"
D - Diameter	10.125"	10.125"
Y - Diameter of Clevis Ring		0.6875"
Mechanical Values		
ANSI M & E Category	15000 lbs.	15000 lbs.
Combined M & E Strength	20000 lbs.	20000 lbs.
Mechanical Impact Strength	55 inch lbs.	55 inch lbs.
Routine Proof Test	10000 lbs.	10000 lbs.
Time Load Test	13200 lbs.	13200 lbs.
Electrical Values		
Low Frequency Flashover Dry	80 kV	80 kV
Low Frequency Flashover Wet	50 kV	50 kV
Impulse Flashover Positive	125 kV	125 kV
Impulse Flashover Negative	130 kV	130 kV
Low Frequency Puncture Voltage	110 kV	110 kV
Radio Influence Low Frequency Test Voltage Data		
Test Voltage, Rms to Ground, kV	10 kV	10 kV
Maximum RIV, Microvolts at 1000 kHz	50	50
Weight & Packaging		
Weight Per Unit	11 lbs.	11 lbs.
Weight Per Package	88 lbs.	88 lbs.
Package Quantity	6	6

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
Special Glaze Requirement Upon Request

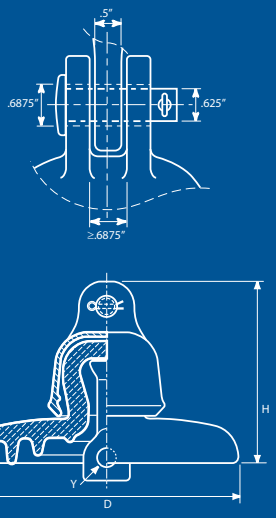
Ball-Socket 81022

Clevis Type 81012

Ball-Socket 81022



Clevis Type 81012



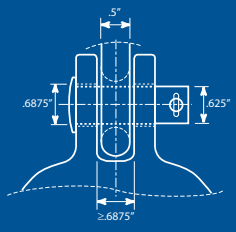
Catalog Number	86012	84300
ANSI Technical Reference	52-1	52-9-A
Dimensions		
Leakage Distance	7"	6.75"
H - Height	5.5"	6.25"
D - Diameter	6.5"	4.5"
Y - Diameter of Clevis Ring	0.875"	0.875"
Mechanical Values		
ANSI M & E Category	10000 lbs.	10000 lbs.
Combined M & E Strength	10000 lbs.	10000 lbs.
Mechanical Impact Strength	45 inch lbs.	45 inch lbs.
Routine Proof Test	5000 lbs.	5000 lbs.
Time Load Test	6000 lbs.	6000 lbs.
Electrical Values		
Low Frequency Flashover Dry	60 kV	60 kV
Low Frequency Flashover Wet	30 kV	30 kV
Impulse Flashover Positive	100 kV	100 kV
Impulse Flashover Negative	100 kV	90 kV
Low Frequency Puncture Voltage	80 kV	80 kV
Radio Influence Low Frequency Test Voltage Data		
Test Voltage, Rms to Ground, kV	7.5 kV	7.5 kV
Maximum RIV, Microvolts at 1000 kHz	50	50
Weight & Packaging		
Weight Per Unit	4.9 lbs.	4.9 lbs.
Weight Per Package	71 lbs.	49 lbs.
Package Quantity	12	8

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
Special Glaze Requirement Upon Request

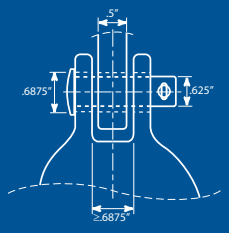
Clevis Type 86012

Clevis Type 84300

Clevis Type 86012



Clevis Type 84300

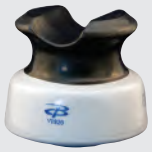


Pin Type Insulators

Catalog Number	253-S	261-S	263-S	366-S
ANSI Technical Reference Number	55-2	55-3		55-4
Neck Type	C	C	C	F
Dimensions (inches)				
Leakage Distance	5"	7"	7"	9"
Dry Arcing Distance	3.375"	4.5"	4.5"	5"
H - Height	3.25"	3.75"	3.9375"	4.375"
D - Diameter	3.75"	4.75"	4.88"	5.5"
N - Neck Diameter (± 1/8")	2.25"	2.25"	2.25"	2.875"
S - Saddle Groove Radius	0.625"	0.5625"	1"	1"
W - Wire Grooves Radius	0.625"	0.5625"	0.629"	0.5625"
T - Top Diameter Maximum	3.5"	3.375"	3.267"	4"
P - Pin Height Minimum	4"	5"	5"	5"
E - Pin Diameter	1"	1"	1"	1"
Mechanical Values				
Cantilever Strength	2500 lbs.	2500 lbs.	2500 lbs.	3000 lbs.
Electrical Values				
Low Frequency Flashover Dry	45 kV	55 kV	55 kV	65 kV
Low Frequency Flashover Wet	25 kV	30 kV	30 kV	35 kV
Impulse Flashover Positive	70 kV	90 kV	90 kV	105 kV
Impulse Flashover Negative	85 kV	110 kV	110 kV	130 kV
Low Frequency Puncture Voltage	70 kV	90 kV	90 kV	95 kV
Radio Influence Low Frequency Test Voltage Data				
Test Voltage, Rms to Ground, kV	5 kV	10 kV	10 kV	10 kV
Maximum RIV, Microvolts at 1000 kHz	50	50	50	50
Weight & Packaging				
Weight Per Unit	1.7 lbs.	2.5 lbs.	2.6 lbs.	4 lbs.
Weight Per Package	43 lbs.	32 lbs.	33 lbs.	50 lbs.
Package Quantity	24	12	12	12

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
Above Insulators furnished Standard with Semi-Conductive Glaze (Type S) to eliminate noise.
Plain Glaze available on Special Order.
Type-S Insulator Characteristics shown above.

253-S

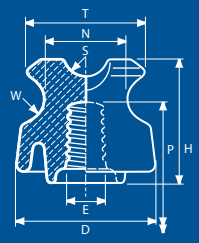


261-S

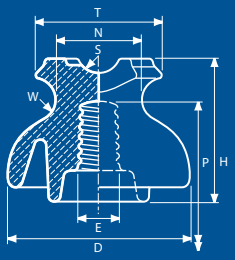
263-S

366-S

253-S



261-S



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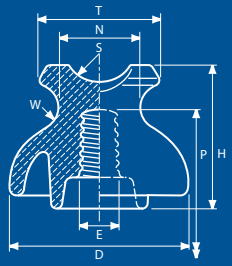
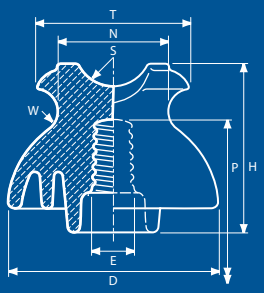


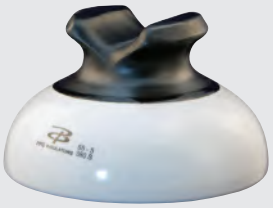
366-S



Catalog Number	380-S	386-ST	387-ST
ANSI Technical Reference Number	55-5	55-6	55-7
Neck Type	F	J	J
Dimensions (inches)			
Leakage Distance	12"	15"	15"
Dry Arcing Distance	6.25"	8"	8"
H - Height	4.875"	5.5"	5.5"
D - Diameter	7"	8.375"	8.375"
N - Neck Diameter (± 1/8")	2.875"	3.5"	3.5"
S - Saddle Groove Radius	1"	1"	1"
W - Wire Grooves Radius	0.5625"	0.625"	0.625"
T - Top Diameter Maximum	4"	4.75"	4.75"
P - Pin Height Minimum	6"	7.5"	7.5"
E - Pin Diameter	1"	1"	1.375"
Mechanical Values			
Cantilever Strength	3000 lbs.	3000 lbs.	3000 lbs.
Electrical Values			
Low Frequency Flashover Dry	80 kV	100 kV	100 kV
Low Frequency Flashover Wet	45 kV	50 kV	50 kV
Impulse Flashover Positive	130 kV	150 kV	150 kV
Impulse Flashover Negative	150 kV	170 kV	170 kV
Low Frequency Puncture Voltage	115 kV	135 kV	135 kV
Radio Influence Low Frequency Test Voltage Data			
Test Voltage, Rms to Ground, kV	15 kV	22 kV	22 kV
Maximum RIV, Microvolts at 1000 kHz	100	100	100
Weight & Packaging			
Weight Per Unit	6.6 lbs.	11 lbs.	11 lbs.
Weight Per Package	41.8 lbs.	46.2 lbs.	46.2 lbs.
Package Quantity	6	4	4

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
Above Insulators furnished Standard with Semi-Conductive Glaze (Type S) to eliminate noise.
Plain Glaze available on Special Order.
Type-S Insulator Characteristics shown above.

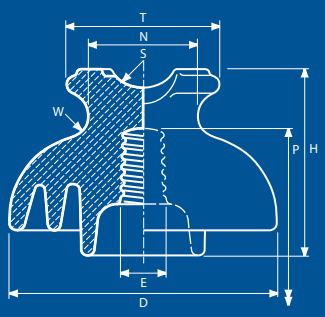
380-S



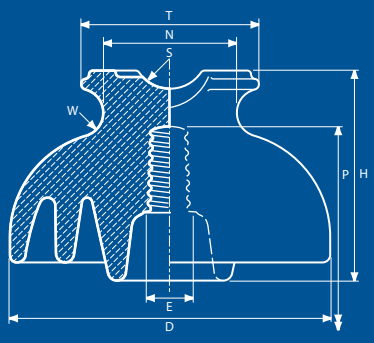
386-ST

387-ST

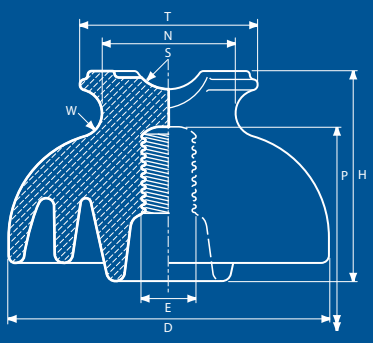
380-S



386-ST



387-ST

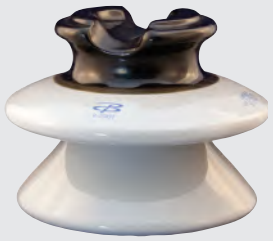


High Voltage Pin Type Insulators

Catalog Number	1027-ST	2033-S	2045-S
ANSI Technical Reference Number	56-1	56-2	56-3
Neck Type	J	K	K
Dimensions (inches)			
Leakage Distance	13"	17"	21"
Dry Arcing Distance	7"	8.25"	9.5"
H - Height	5.75"	6.5"	7.5"
D - Diameter	7.5"	9"	10.5"
N - Neck Diameter (± 1/8")	3.5"	4"	4"
S - Saddle Groove Radius	0.75"	0.75"	0.75"
W - Wire Grooves Radius	0.5625"	0.5625"	0.5625"
T - Top Diameter Maximum	4.625"	5.125"	5.25"
P - Pin Height Minimum	6"	7"	8"
E - Pin Diameter	1.375"	1.375"	1.375"
Mechanical Values			
Cantilever Strength	2500 lbs.	3000 lbs.	3000 lbs.
Electrical Values			
Low Frequency Flashover Dry	95 kV	110 kV	125 kV
Low Frequency Flashover Wet	60 kV	70 kV	80 kV
Impulse Flashover Positive	150 kV	175 kV	200 kV
Impulse Flashover Negative	190 kV	225 kV	265 kV
Low Frequency Puncture Voltage	130 kV	145 kV	165 kV
Radio Influence Low Frequency Test Voltage Data			
Test Voltage, Rms to Ground, kV	15 kV	22 kV	30 kV
Maximum RIV, Microvolts at 1000 kHz	100	100	200
Weight & Packaging			
Weight Per Unit	7.3 lbs.	12.1 lbs.	16.5 lbs.
Weight Per Package	46.2 lbs.	50 lbs.	35.2 lbs.
Package Quantity	6	4	2

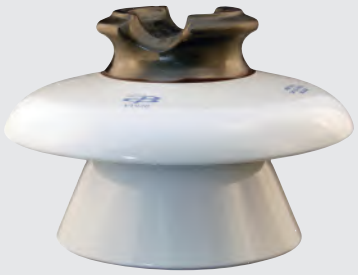
Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
Above Insulators furnished Standard with Semi-Conductive Glaze (Type S) to eliminate noise.
Plain Glaze available on Special Order.
Type-S Insulator Characteristics shown above.

1027-ST



2033-S

2045-S



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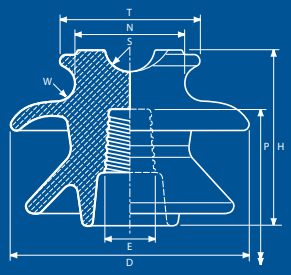

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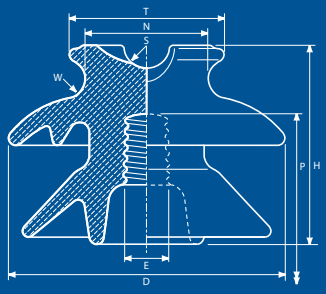
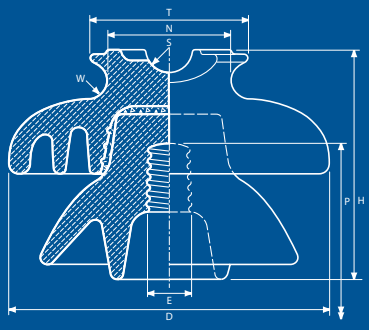


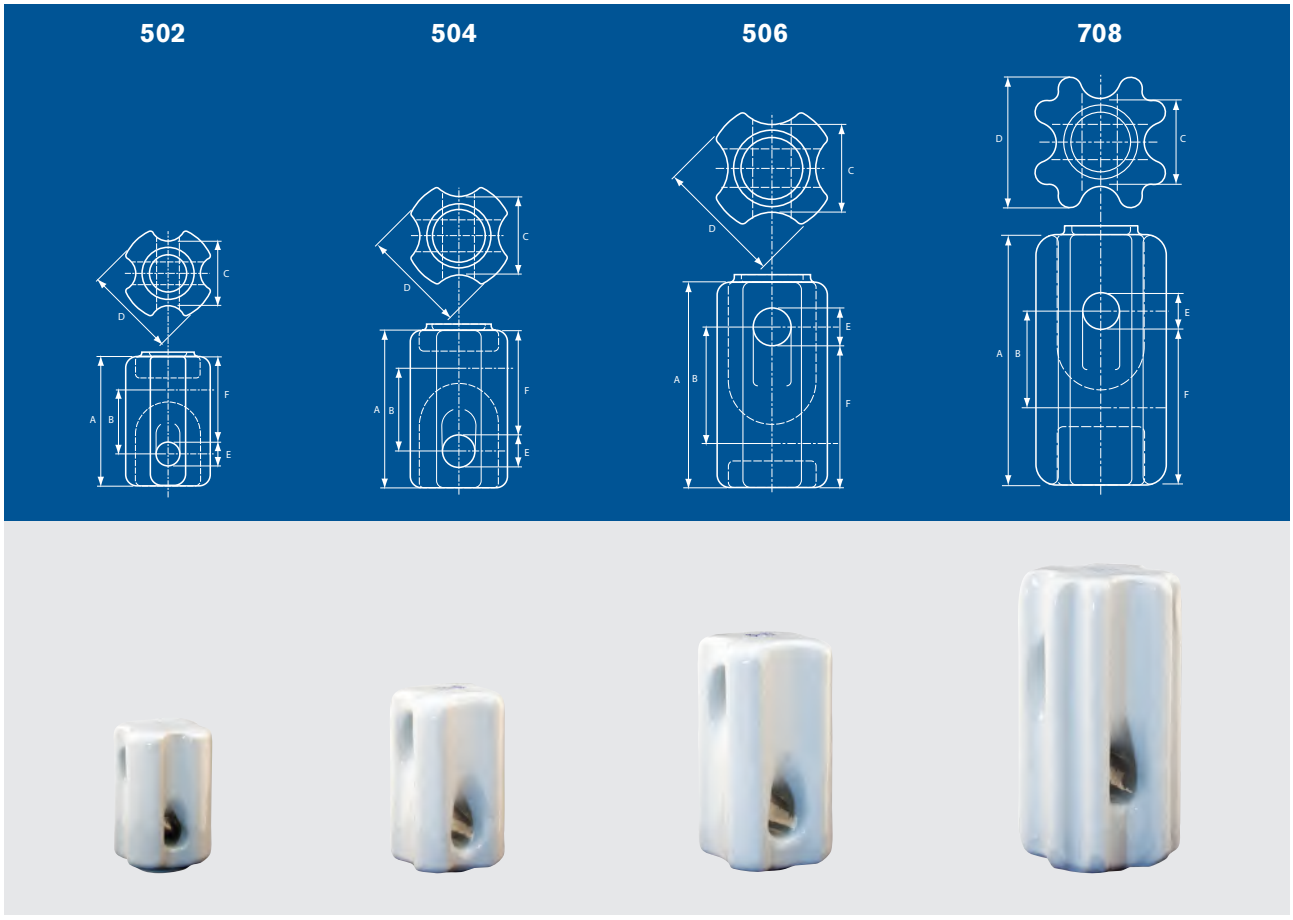
2045-S



Guy Strain Insulators

PPC Insulators Catalog Number	502	504	506	708
ANSI Technical Reference Number	54-1	54-2	54-3	54-4
Dimensions (inches)				
Leakage Distance	1.625"	1.875"	2.25"	3"
Maximum Cable Diameter	0.375"	0.5"	0.625"	0.625"
H - Height	3.5"	4.25"	5.5"	6.75"
B - Hole Centers Spacing (± 1/8")	1.75"	2.25"	3.125"	2.625"
C - Inner Diameter (± 1/16")	1.75"	2.125"	2.375"	2.375"
D - Outer Diameter	2.5"	2.875"	3.375"	3.5"
E - Cable Hole Diameter (± 1/16")	0.625"	0.875"	1"	1"
F - Height To Hole	2.5"	3"	4.0625"	4.5"
Mechanical Values				
Tensile Strength	10000 lbs.	12000 lbs.	20000 lbs.	20000 lbs.
Electrical Values				
Low Frequency Flashover Dry	25 kV	30 kV	35 kV	40 kV
Low Frequency Flashover Wet	12 kV	15 kV	18 kV	23 kV
Weight & Packaging				
Weight Per Carton	50 lbs.	45 lbs.	48 lbs.	50 lbs.
Carton Quantity	48	25	16	12

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4; B - Brown, W - White

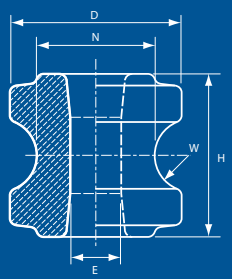


Spool Insulators

Catalog Number	5107	5112	5102	5101
ANSI Technical Reference Number		53-1		53-2
Dimensions (inches)				
H - Height (± 1/16")	2.125"	2.125"	3"	3"
D - Diameter (± 1/16")	2.25"	2.25"	3"	3.11"
N - Neck Diameter (± 1/8")	1.5"	1.75"	2"	1.75"
W - Wire Grooves Radius	0.4375"	0.4375"	0.3175"	0.709"
E - Hole Diameter (+ 1/16" - 0)	0.669"	0.709"	0.6875"	0.709"
Mechanical Values				
Transverse Strength	2000 lbs.	2000 lbs.	3000 lbs.	3000 lbs.
Electrical Values				
Low Frequency Flashover Dry	18 kV	20 kV	20 kV	30 kV
Low Frequency Flashover Wet				
Horizontal	7 kV	8 kV	10 kV	12 kV
Vertical	9 kV	10 kV	12 kV	15 kV
Weight & Packaging				
Weight Per Carton	48.6 lbs.	48.6 lbs.	48.4 lbs.	30 lbs.
Carton Quantity	100	100	50	24

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4, B - Brown, W - White

5107



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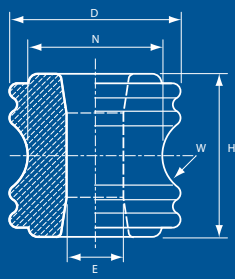
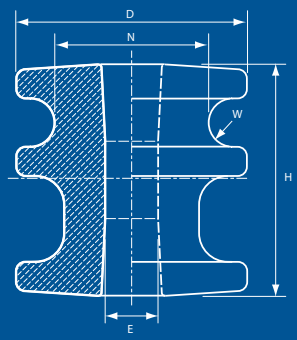


5102



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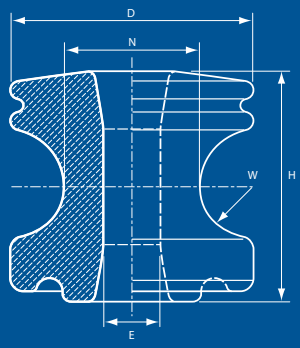
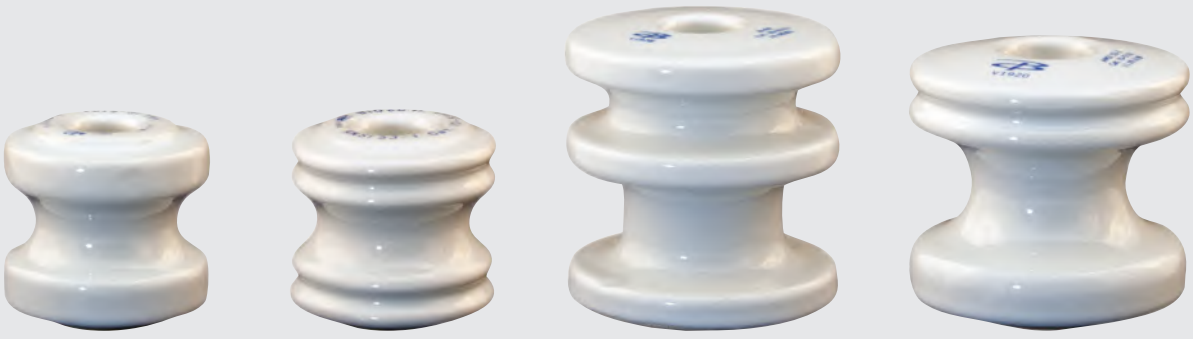
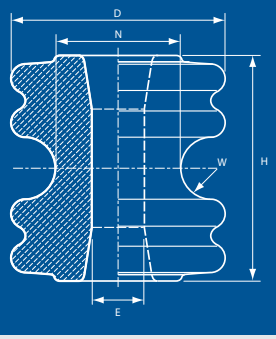




Catalog Number	5104	5119	5116
ANSI Technical Reference Number	53-3	53-4	53-5
Dimensions (inches)			
H - Height (± 1/16")	3.125"	3"	4.125"
D - Diameter (± 1/16")	3"	4.125"	4"
N - Neck Diameter (± 1/8")	1.75"	2.875"	2.875"
W - Wire Grooves Radius	0.4375"	0.625"	0.4375"
E - Hole Diameter (+ 1/16" - 0)	0.709"	0.709"	0.709"
Mechanical Values			
Transverse Strength	4000 lbs.	4500 lbs.	6000 lbs.
Electrical Values			
Low Frequency Flashover Dry	25 kV	25 kV	35 kV
Low Frequency Flashover Wet			
Horizontal	12 kV	12 kV	18 kV
Vertical	15 kV	15 kV	25 kV
Weight & Packaging			
Weight Per Carton	32 lbs.	44.5 lbs.	48.4 lbs.
Carton Quantity	24	18	18

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4, B - Brown, W - White

5104



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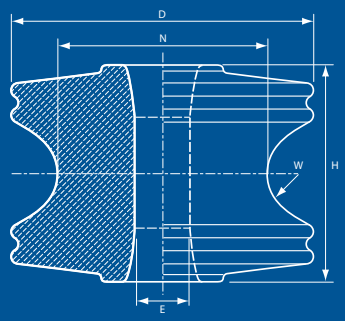
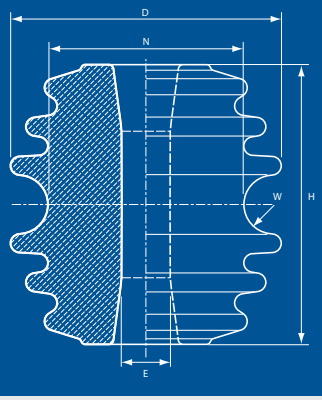


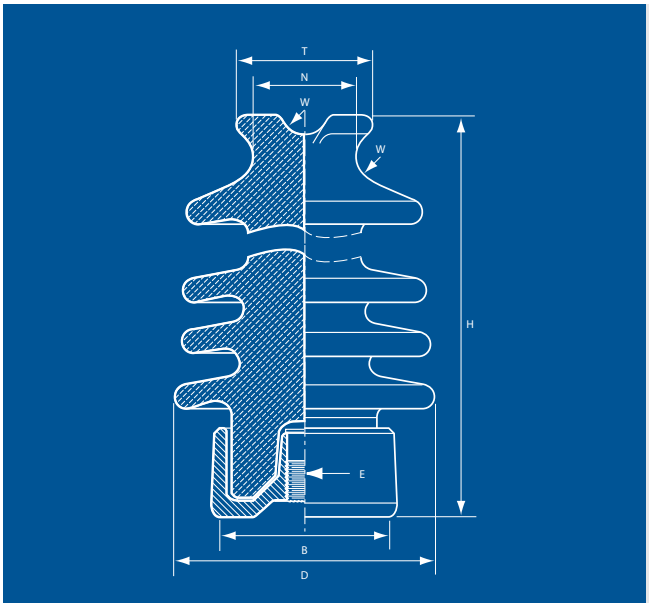
5116



Tie Top Line Post Insulators

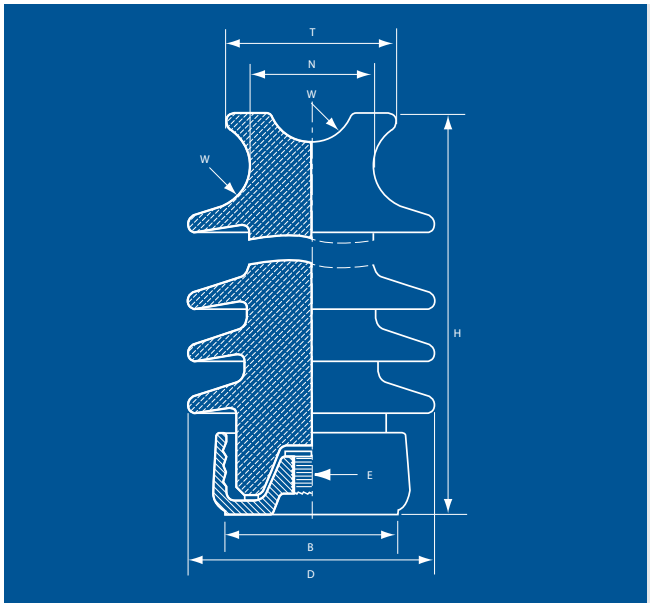
Catalog Number	5015	5020	5025	5027	5035	5045
ANSI Technical Reference Number			57-1		57-2	57-3
Neck Type	C	C	C	C	C	C
Dimensions (inches)						
Leakage Distance	7.5"	11"	14"	16"	22"	29"
Dry Arcing Distance	5"	5.75"	6.5"	7.625"	9.5"	12.25"
H - Height	7.75"	8.75"	9"	9.875"	12"	15"
D - Diameter	4.75"	5.25"	5.5"	5.25"	6"	6.5"
N - Neck Diameter (± 1/8")	2.25"	2.25"	2.25"	2.25"	2.25"	2.25"
W - Wire Grooves Radius	1"	1"	1"	1"	1"	1"
T - Top Diameter Maximum	3.375"	3.375"	3.375"	3.375"	3.375"	3.375"
B - Base Diameter	3.5"	3.5"	4"	4"	4.5"	4.5"
E - Bolt Thread	3/4" - 10*	3/4" - 10*	3/4" - 10*	3/4" - 10*	3/4" - 10*	3/4" - 10*
Mechanical Values						
Cantilever Strength	2000 lbs.	2000 lbs.	2800 lbs.	1500 lbs.	2800 lbs.	2800 lbs.
Cantilever Proof Load	800 lbs.	800 lbs.	1120 lbs.	800 lbs.	1120 lbs.	1120 lbs.
Electrical Values						
Low Frequency Flashover Dry	65 kV	80 kV	80 kV	95 kV	110 kV	125 kV
Low Frequency Flashover Wet	40 kV	55 kV	60 kV	65 kV	85 kV	100 kV
Impulse Flashover Positive	100 kV	110 kV	130 kV	140 kV	180 kV	210 kV
Impulse Flashover Negative	130 kV	140 kV	155 kV	190 kV	205 kV	260 kV
Radio Influence Low Frequency Test Voltage Data						
Test Voltage, Rms to Ground, kV	10 kV	15 kV	15 kV	20 kV	22 kV	30 kV
Maximum RIV at 1000 kHz - V	50	50	100	50	100	200
Weight & Packaging						
Weight Per Unit	7.4 lbs.	10.1 lbs.	11.0 lbs.	10.6 lbs.	16.1 lbs.	22.9 lbs.
Weight Per Package	41.5 lbs.	44.8 lbs.	36.9 lbs.	36.3 lbs.	36 lbs.	49.8 lbs.
Package Quantity	5	4	3	3	2	2

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
* 3/4“ - 10; Oversize +0.015˝; 7/8“ Thread Depth



Catalog Number	5115	5120	5125	5127	5135	5145
ANSI Technical Reference Number			57-1		57-2	57-3
Neck Type	F	F	F	F	F	F
Dimensions (inches)						
Leakage Distance	7.5"	11"	14"	16"	22"	29"
Dry Arcing Distance	5"	5.75"	6.5"	7.6"	9.5"	12.25"
H - Height	7.75"	8.75"	9"	9.875"	12"	15"
D - Diameter	4.75"	5.25"	5.5"	5.25"	6"	6.5"
N - Neck Diameter (± 1/8")	2.875"	2.875"	2.875"	2.875"	2.875"	2.875"
W - Wire Grooves Radius	1"	1"	1"	1"	1"	1"
T - Top Diameter Maximum	3.9"	3.9"	3.9"	3.9"	3.9"	3.9"
B - Base Diameter	3.5"	3.5"	4"	4"	4.5"	4.5"
E - Bolt Thread	3/4" - 10*	3/4" - 10*	3/4" - 10*	3/4" - 10*	3/4" - 10*	3/4" - 10*
Mechanical Values						
Cantilever Strength	2000 lbs.	2000 lbs.	2800 lbs.	2800 lbs.	2800 lbs.	2800 lbs.
Cantilever Proof Load	800 lbs.	800 lbs.	1100 lbs.	1120 lbs.	1120 lbs.	1120 lbs.
Electrical Values						
Low Frequency Flashover Dry	65 kV	80 kV	80 kV	95 kV	110 kV	125 kV
Low Frequency Flashover Wet	40 kV	55 kV	60 kV	65 kV	85 kV	100 kV
Impulse Flashover Positive	100 kV	110 kV	130 kV	140 kV	180 kV	210 kV
Impulse Flashover Negative	130 kV	140 kV	155 kV	190 kV	205 kV	260 kV
Radio Influence Low Frequency Test Voltage Data						
Test Voltage, Rms to Ground, kV	10 kV	15 kV	15 kV	20 kV	22 kV	30 kV
Maximum RIV at 1000 kHz - V	50	50	100	50	100	200
Weight & Packaging						
Weight Per Unit	7.5 lbs.	10.3 lbs.	11.2 lbs.	10.8 lbs.	16.3 lbs.	23.1 lbs.
Weight Per Package	42.0 lbs.	45.6 lbs.	37.5 lbs.	36.9 lbs.	36.6 lbs.	46.3 lbs.
Package Quantity	5	4	3	3	2	2

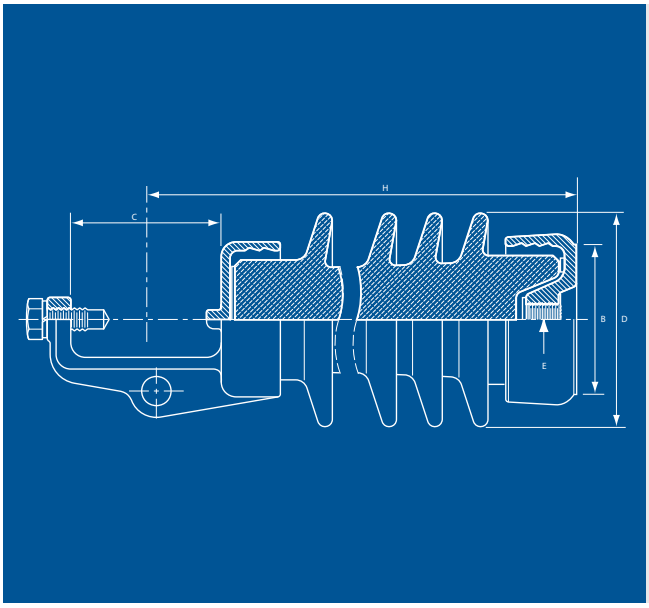
Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
* 3/4“ - 10; Oversize +0.015“; 7/8“ Thread Depth

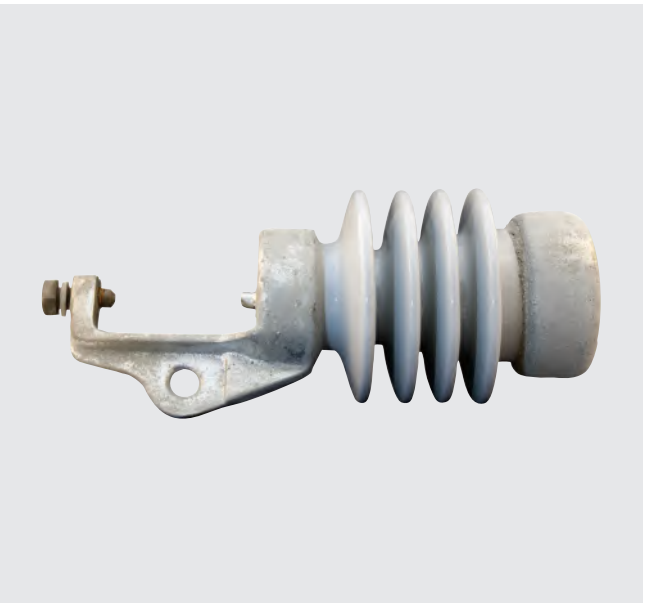


Horizontal Clamp Type Line Posts

Catalog Number	5220	5225	5235	5245
ANSI Technical Reference Number		57-21	57-22	57-23
Dimensions (inches)				
Leakage Distance	10”	14”	22”	29”
Dry Arcing Distance	5”	6.5”	9.5”	12.25”
H - Height To Middle of Clamp Assembly	9.75”	11”	14”	16.5”
D - Diameter	5.9”	6”	6.5”	6.5”
C - Clamp Throat Width (+ .09375 -.00)	4”	4”	4”	4”
B - Base Diameter	4”	4”	4”	4.5”
E - Bolt Thread	3/4” - 10*	3/4” - 10*	3/4” - 10*	3/4” - 10*
Mechanical Values				
Cantilever Strength	2800 lbs.	2800 lbs.	2800 lbs.	2800 lbs.
Cantilever Proof Load	1120 lbs.	1120 lbs.	1120 lbs.	1120 lbs.
Electrical Values				
Low Frequency Flashover Dry	70 kV	70 kV	100 kV	125 kV
Low Frequency Flashover Wet	50 kV	50 kV	70 kV	95 kV
Impulse Flashover Positive	100 kV	120 kV	160 kV	200 kV
Radio Influence Low Frequency Test Voltage Data				
Test Voltage, Rms to Ground, kV	15 kV	15 kV	22 kV	30 kV
Maximum RIV at 1000 kHz - V	50	100	100	200
Weight & Packaging				
Weight Per Unit	13.1 lbs.	14.6 lbs.	19.4 lbs.	26.7 lbs.
Weight Per Package	42.3 lbs.	33.4 lbs.	41.8 lbs.	56.4 lbs.
Package Quantity	3	2	2	2

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
* 3/4“ - 10; Oversize +0.015”; 7/8“ Thread Depth

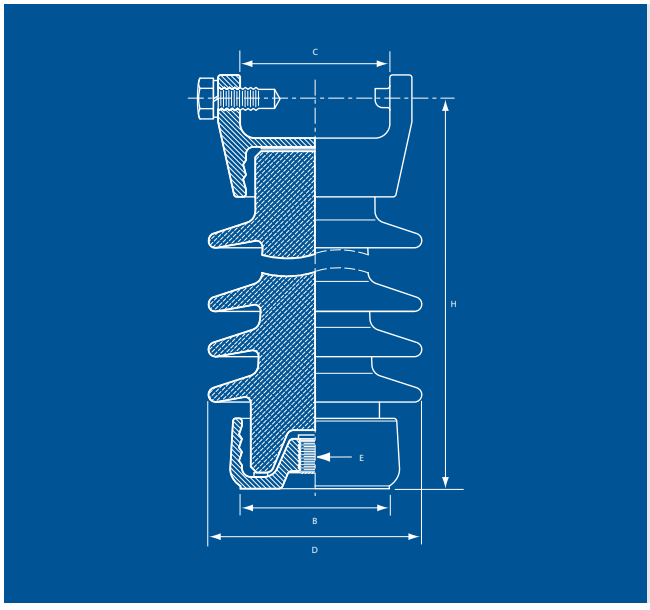




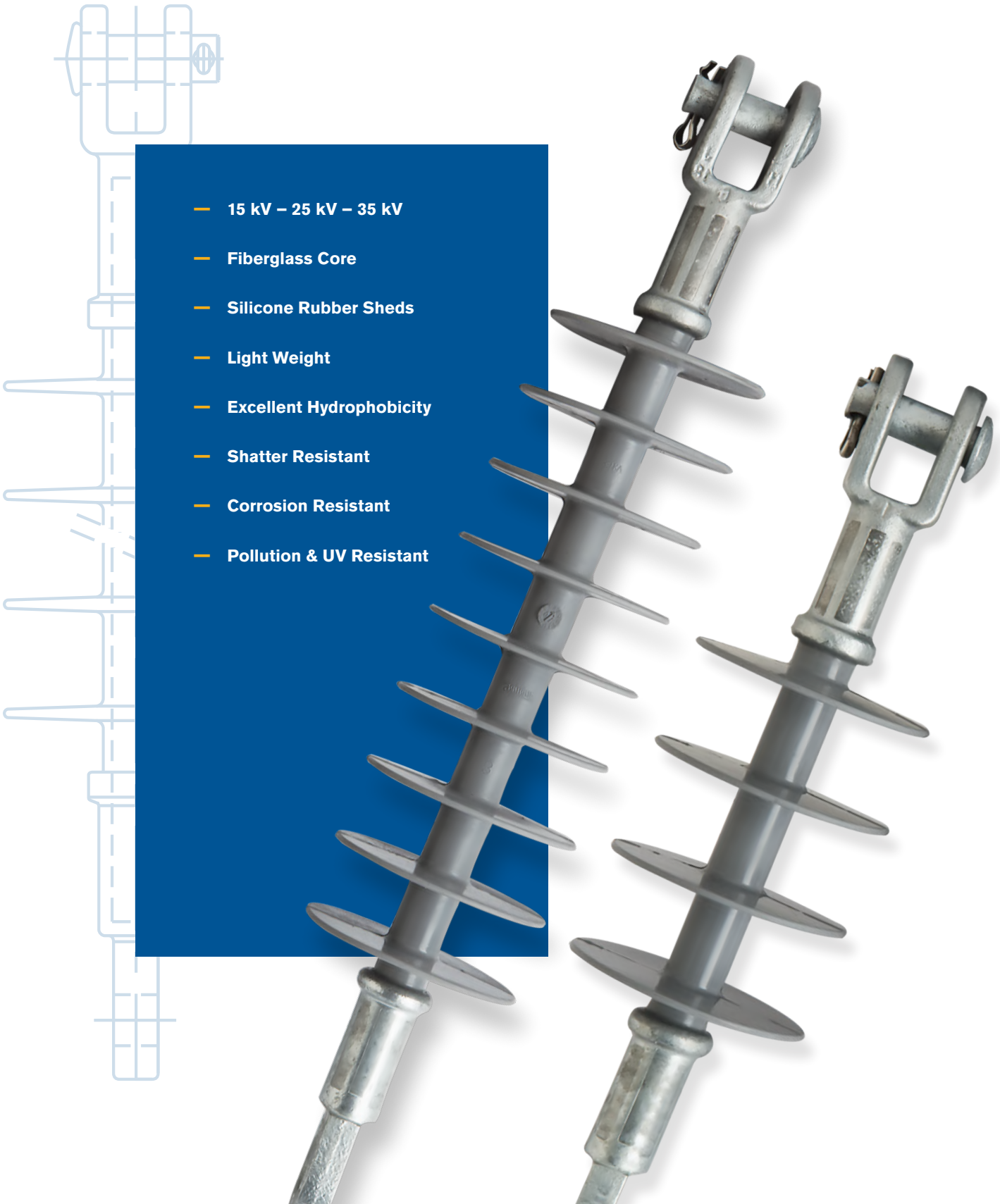
Vertical Clamp Type Line Posts

Catalog Number	5320	5325	5335	5345
ANSI Technical Reference Number		57-11	57-12	57-13
Dimensions (inches)				
Leakage Distance	10"	14"	22"	29"
Dry Arcing Distance	5"	6.5"	9.5"	12.25"
H - Height To Middle of Clamp Assembly	9.75"	11"	14"	16.5"
D - Diameter	5.9"	6"	6.5"	6.5"
C - Clamp Throat Width (+ .09375 -.00)	4"	4"	4"	4"
B - Base Diameter	4"	4"	4"	4.5"
E - Bolt Thread	3/4" - 10*	3/4" - 10*	3/4" - 10*	3/4" - 10*
Mechanical Values				
Cantilever Strength	2800 lbs.	2800 lbs.	2800 lbs.	2800 lbs.
Cantilever Proof Load	1120 lbs.	1120 lbs.	1120 lbs.	1120 lbs.
Electrical Values				
Low Frequency Flashover Dry	70 kV	70 kV	100 kV	125 kV
Low Frequency Flashover Wet	50 kV	50 kV	70 kV	95 kV
Impulse Flashover Positive	100 kV	120 kV	160 kV	200 kV
Radio Influence Low Frequency Test Voltage Data				
Test Voltage, Rms to Ground, kV	15 kV	15 kV	22 kV	30 kV
Maximum RIV at 1000 kHz - V	50	100	100	200
Weight & Packaging				
Weight Per Unit	13.1 lbs.	14.6 lbs.	19.4 lbs.	26.7 lbs.
Weight Per Package	42.3 lbs.	33.4 lbs.	41.8 lbs.	56.4 lbs.
Package Quantity	3	2	2	2

Standard Glaze: ANSI-70, Munsell 5 BG 7.0/0.4
* 3/4“ - 10; Oversize +0.015“; 7/8“ Thread Depth



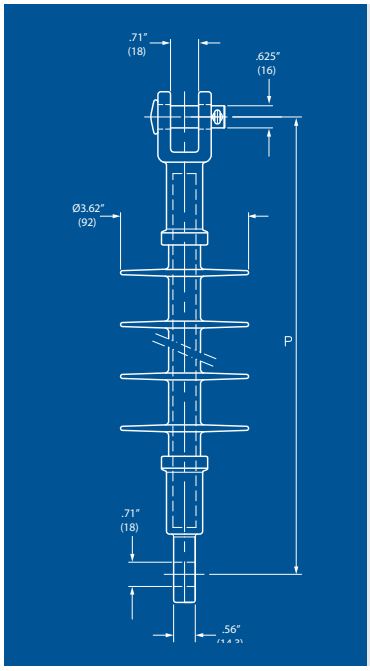
Polymer Deadend Insulators



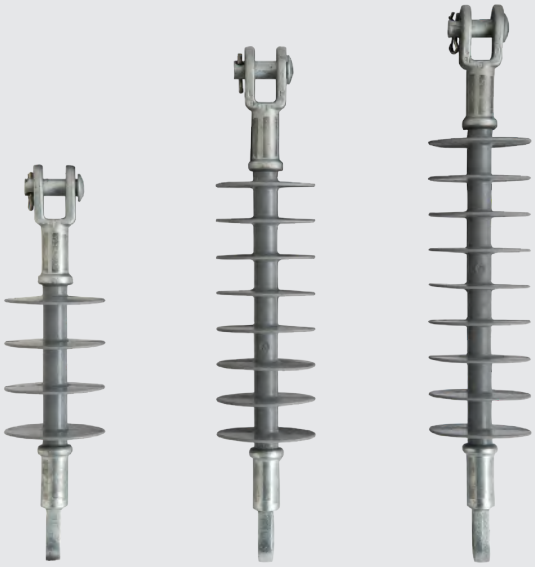
- 15 kV – 25 kV – 35 kV
- Fiberglass Core
- Silicone Rubber Sheds
- Light Weight
- Excellent Hydrophobicity
- Shatter Resistant
- Corrosion Resistant
- Pollution & UV Resistant

Catalog Number	PDEI-15	PDEI-25	PDEI-35
kV Rating	15 kV	25 kV	35 kV
Dimensions (inches)			
Leakage Distance	16.0" (400)	30.5" (775)	34.4" (875)
Arc Distance	7.9" (200)	12.2" (310)	13.4" (340)
P - Connection Length, Between Centers	12.5" (320)	17.0" (430)	18.3" (465)
D - Shed Diameter	3.62" (92)	3.62" (92)	3.62" (92)
Minimum Housing Thickness	0.118" (3)	0.118" (3)	0.118" (3)
Number of Sheds	4	8	9
Mechanical Values			
Mechanical Failing Load	15000 lbs.	15000 lbs.	15000 lbs.
Electrical Values			
Power Frequency Flashover Dry	90 kV	130 kV	145 kV
Power Frequency Flashover Wet (horizontal)	65 kV	100 kV	130 kV
CIFO (+)	140 kV	190 kV	250 kV
RIV (Test)	15 kV	20 kV	30 kV
RIV (Max)	<10 µV	<10 µV	<10 µV
Radio Influence Low Frequency Test Voltage Data			
Test Voltage, Rms to Ground, KV	10 kV	15 kV	22 kV
Maximum RIV at 1000 kHz - V	50 µV	100 µV	100 µV
Weight & Packaging			
Weight Per Carton	34.8 lbs.	41 lbs.	43.6 lbs.
Carton Quantity	15	15	15
Pallet Quantity	360	240	240

SML = 15,000 lbs. (70 kN)
RTL = 7,500 lbs. (35 kN)
Silicone Rubber
Corrosion resistant boron free fiberglass core, 16mm diameter
ANSI 52-4 Clevis and Tongue End Fittings



Type PDEI 15 **Type PDEI 25** **Type PDEI 35**



PPC Insulators has been a leading manufacturer of porcelain and hybrid insulators for over 130 years. Our extensive knowledge, expertise, and production technology enables us to produce the best insulator designs catering up to 1200 kV AC and 1100 kV DC system voltages. We supply over 40,000 standard insulators from our stock to meet the demands of our valued customers.

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