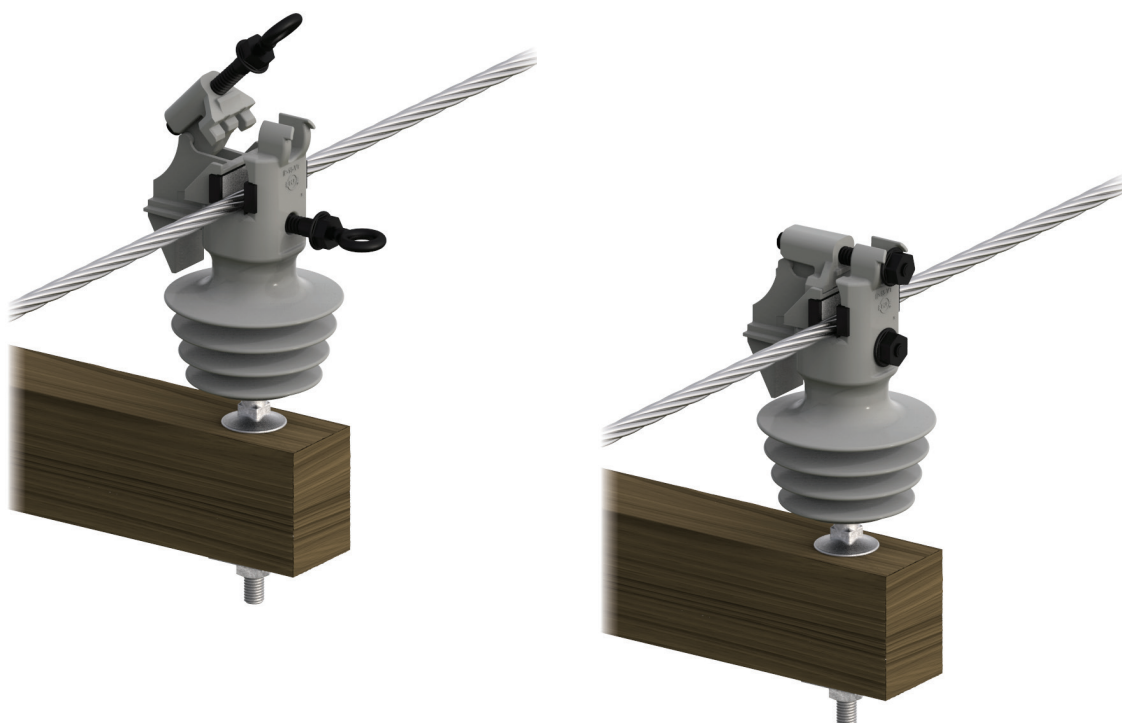




INSULIGN® POLYMER INSULATOR

PIVOT VISE TOP PIN TYPE

The Patented **INSULIGN Pivot Vise Top Pin Type Polymer Insulator** utilizes a unique plastic clamp mechanism and nylon torque bolts to secure the conductor. The pivoting top bolt with captured hardware eliminates the need for removal when installing the conductor or stringing tool in the insulator.

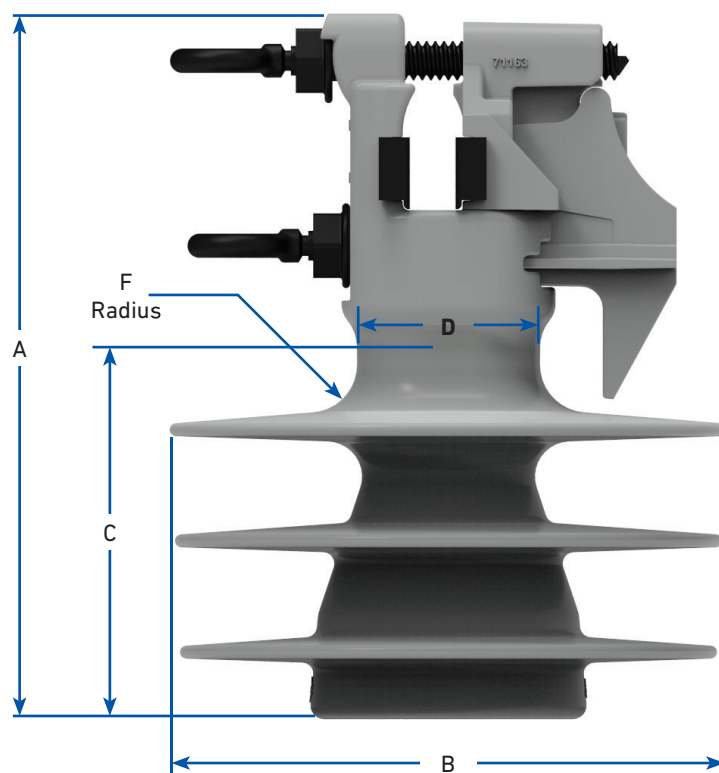
The nylon torque bolt with a break-away ring is designed to ensure that the optimal holding force is applied while providing for fast conductor clamping. Specific conductor defined inserts are offered for aluminum, copper, and jacketed conductors. PLP also offers patented universal inserts and ceramic inserts which are compatible with all bare conductors.

It is recommended that the utility determines the suitability of the Pivot Vise Top Polymer Insulator for their application before installation.

FEATURES AND BENEFITS

- No loose hardware, drastically reducing installation time
- Superior moisture and contamination shedding
- UV-stabilized material
- High-impact resistance
- Lightweight design
- Ideal for jumpers and stinger wires
- Insulators meet electrical criteria defined in ANSI C29 applicable specifications
- Universal insert design accepts all conductor types
- 1" or 1-3/8" pin mounting
- Ideal for use with shot gun sticks or hook tool
- Vise Top Stringing Tool available
- 100% recyclable

SPECIFICATIONS



INSULIGN Polymer Insulator - Pivot Vise Top Pin Type

Nominal Insulator Dimension								
Catalog Number	Dimension							Number of Skirts
	in							
	A	B	C	D	F (Radius)	Tangent Vise Attachment, Maximum Conductor OD	Side Groove, Maximum Conductor OD	
IP-15-PVTX*	8.75	5.50	3.75	2.50	0.50	1.86	1.50	4
IP-25-PVTXY*	8.90	7.30	4.50	2.50	0.50	1.86	1.50	3
IP-35-PVTXY*	10.13	8.00	5.38	2.50	0.50	1.86	1.50	3

* X references insert material

U = Universal

C = Ceramic

M = Aluminum

M-B = Bronze

N = Nylon

* Y references mounting pin diameter

1 = 1" Pin

2 = 1-3/8" Pin



ORDERING INFORMATION

INSULIGN Polymer Insulator – Pivot Vise Top Pin Type

Catalog Number	ANSI Class ¹	Insert	Application	Mounting Pin	Insulator Weight	Units per Carton	Weight per Carton
				in	lbs		lbs
15 kV							
IP-15-PVTU	55-3, 55-4	Universal ²	All Conductor Applications	1	2	18	39
IP-15-PVTC		Ceramic	Aluminum & Copper			18	39
IP-15-PVTM		Aluminum	Aluminum			18	39
IP-15-PVTM-B		Bronze	Copper			18	39
IP-15-PVTN		Nylon	Jacketed Conductors			18	39
25 kV							
IP-25-PVTU1	55-5	Universal ²	All Conductor Applications	1	2.3	12	30
IP-25-PVTU2				1-3/8		12	30
IP-25-PVTC1		Ceramic	Aluminum & Copper	1		12	30
IP-25-PVTC2				1-3/8		12	30
IP-25-PVTM1		Aluminum	Aluminum	1	2.2	12	29
IP-25-PVTM2				1-3/8		12	29
IP-25-PVTM1-B		Bronze	Copper	1		12	29
IP-25-PVTM2-B				1-3/8		12	29
IP-25-PVTN1		Nylon	Jacketed Conductors	1	2.3	12	30
IP-25-PVTN2				1-3/8		12	30
35 kV							
IP-35-PVTU1	55-6	Universal ²	All Conductor Applications	1	3.2	12	41
IP-35-PVTU2	55-7			1-3/8		12	41
IP-35-PVTC1	55-6	Ceramic	Aluminum & Copper	1		12	41
IP-35-PVTC2	55-7			1-3/8		12	41
IP-35-PVTM1	55-6	Aluminum	Aluminum	1		12	41
IP-35-PVTM2	55-7			1-3/8		12	41
IP-35-PVTM1-B	55-6	Bronze	Copper	1		12	41
IP-35-PVTM2-B	55-7			1-3/8		12	41
IP-35-PVTN1	55-6	Nylon	Jacketed Conductors	1		12	41
IP-35-PVTN2	55-7			1-3/8		12	41

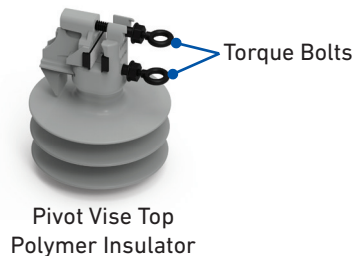
¹ Nominal ANSI C29.5 Class designation - These ANSI specifications are for Wet Processed Porcelain Tie Top Insulators. The Vise Top Insulators meet the electrical criteria defined in the applicable specification.

² Patented

ACCESSORIES

Torque Bolt

Two torque bolts are supplied with each Pivot Vise Top Polymer Insulator. The breakaway torque ring is designed to ensure that the proper torque and optimum holding force to the conductor will be applied during initial installation. New torque bolts should be used whenever conductors are removed from the Vise Top Insulator, or any time the bolts are unscrewed and initial torque is lost.



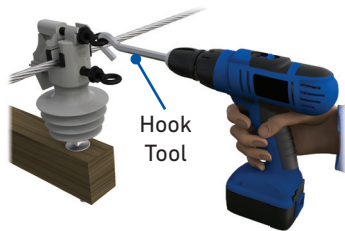
Pivot Vise Top
Polymer Insulator



Torque Bolt
Catalog Number: PT-01

Torque Bolt Hook Tool

An aluminum hook tool accessory is offered for use with hydraulic or power wrenches for easy installation of torque bolts.



Torque Bolt Hook Tool
Catalog Number: VTHT-01

Vise Top Stringing Tool

The polyurethane **Vise Top String Tool** (VLST) is offered to aid jacketed conductor installation. The VLST temporarily installs in the vise top clamp, by hand or with hot sticks, and is designed to permit short-span, low-tension, jacketed conductor stringing without the need for stringing blocks.

NOTE: The VLST is not recommended for use with bare conductors, long spans, or line or sag angles over 10 degrees. A properly sized stringing block should be used at the first and last pole at large line or sag angles, or long spans throughout the pull, rather than the stringing tool.

It is recommended that harsh material pulling ropes, such as nylon, be avoided to minimize excessive wear to the inner surface of the stringing tool. It is also suggested that low pulling speeds be used when pulling rope or cable through the tool to avoid excessive wear. The stringing tool can be reused; it is recommended the tool be inspected after each pull to ensure it is suitable for further use. Areas of wear on the tool from previous pulls can be rotated away from where the rope and conductors will rest in the bore during subsequent pulls. Do not reuse the tool if excessive wear is present throughout all areas of the inner bore.

Vise Top String Tool



Open Closed
Vise Top String Tool
Catalog Number: IP-VLST-01

ADDITIONAL RESOURCES

For additional information regarding the use and installation of INSULIGN Polymer Insulators - Pivot Vise Top Pin Type, use the QR codes listed below.



INSULIGN Polymer Insulator -
Vise & Pivot Vise Top Pin Type
Installation Instructions



INSULIGN Polymer Insulator -
Vise Top Pin Type
Website