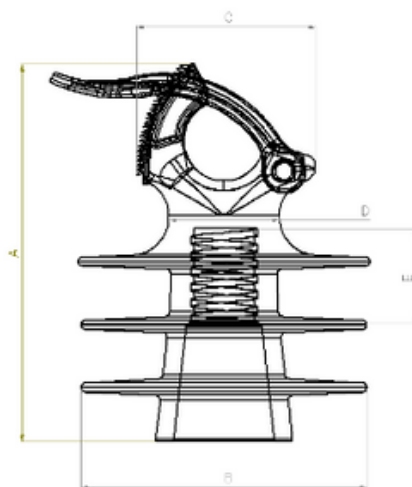


## AerialGuard® Pin Insulator - Polymeric (Ratchet Top)



### APPLICATIONS

Polymeric pin insulators - ratchet top are rated for use in 15 kV, 25 kV or 35 kV distribution systems. They are used for any application that calls for polymer or porcelain pin insulators to mount either covered conductors or bare conductors, where an insulator is required to isolate phase conductors that are not fully insulated. An insulator pin is used to attach insulators to either steel brackets or standard crossarms in spacer or tree wire systems. Insulated tie wire is used to fasten the conductors to the insulators. More durable than traditional porcelain insulators against vandalism and impact. The ratchet top insulator eliminates the use of tie wire to attach the conductor by using the range taking adjustable ratchet to secure the conductor.

### FEATURES & BENEFITS

- Designed to ANSI C29 electrical and mechanical requirement.
- Ratchet accepts conductor diameters from 0.47" to 0.87"
- Reduction in installation time over tie-wire installations.
- Highly resistant to shock and impact.
- UV protected and weather conditions resistant.
- Superior moisture and contamination shedding.
- Made from recyclable plastic.
- AerialGuard® insulators are interchangeable with other manufacturer's spacer cable systems.

### CONSTRUCTION

Manufactured of track resistant high density gray polyethylene. The insulators are designed to ANSI thread and neck sizes. The 15 kV insulators have ANSI standard 1.0" thread. The 25 kV and 35 kV insulators available with either ANSI standard 1.0" thread or ANSI standard 1-3/8" thread.

Item Number	System Voltage (kV)	Dimensions				Threads (in)	Weight (lb)	Flexion (lbf)	Mechanical Resistance (lbf)	Dry-Arc Distance (in)	Leakage Distance (in)	Creepage Distance (in)
		A (in)	B (in)	C (in)	D (in)							
PTIR-15-100	15	7.09	5.51	3.35	1.77	1.00	1.116	17985	3372	7.87	15.00	16.33
PTIR-25-100	25	7.48	7.48	3.74	1.77	1.00	1.921	17985	3372	9.45	15.00	18.11
PTIR-25-138	25	7.48	7.48	3.74	1.77	1.38	1.891	17985	3372	9.45	15.00	18.11
PTIR-35-100	35	8.66	7.48	3.74	1.77	1.00	2.286	17985	3372	11.02	20.50	22.04
PTIR-35-138	35	8.66	7.48	3.74	1.77	1.38	2.188	17985	3372	11.02	20.50	22.04

### NOTES

1. Lbf is pound-force unit of measurement.

