

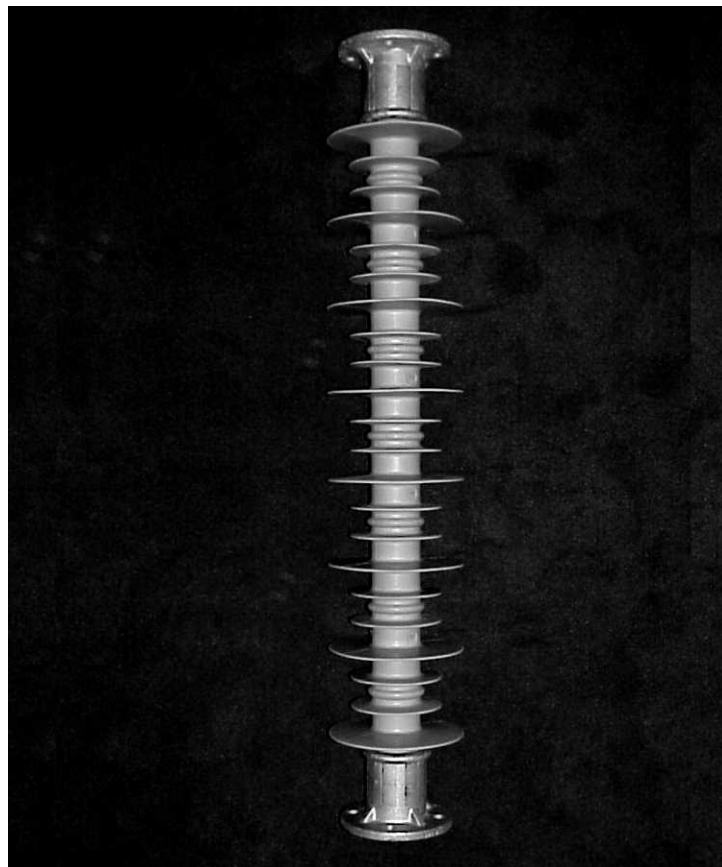


**K-LINE INSULATORS LIMITED**  
TORONTO, ONTARIO, CANADA

# Catalogue T-SP

## **Transmission Silicone Insulators** *Station Post* *69 kV to 161 kV*

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# Transmission Silicone Insulators Station Post

One of the most critical assets of an electrical Transmission System is the station. Not only is this asset the heart of the supply to large electrical loads but it also serves many customers from industrial to residential. Therefore, outages or interruptions due to insulation failures are costly and impact negatively on customer service. With K-Line silicone station insulators these are greatly minimized through improved performance to reliability and savings in the life cycle cost.

Silicone's hydrophobic property allows K-Line station insulators to electrically outperform porcelain insulators. The lightweight feature of polymer insulators makes it easy to handle and install. The size and fittings of polymer station insulators ensure that they are compatible with existing station post hardware and arrangements. Experience with silicone polymer insulators has proven their superiority over porcelain insulators.

K-Line silicone polymer transmission station post insulators are manufactured and tested to world-class polymer insulator standards, CSA and ANSI. K-Line's Quality System is registered to ISO 9001 Quality Systems.

## PERFORMANCE BENEFITS

The performance benefits of K-Line Insulators transmission station post insulators are listed below.

- Improved Reliability (interruptions and outages due to vandalism, and flashovers in all types of environments are a thing of the past)
- Eliminate or Reduce Maintenance (such as washing and trouble calls) and is compatible with existing porcelain insulators
- Improves Power Quality (lower RI and TVI)
- Energy Efficiency (reduced losses due to lower leakage currents)
- Safety (light weight for handling and installation, eliminates catastrophic mechanical failures)
- Service Life (consistent performance over its service life)
- Life Cycle Cost (savings over porcelain insulators)

## APPLICATION

Transmission station post insulators are used in open-type stations operating at and above 66 kV. These insulators support the bus, leads, or other apparatus within the station.

## ROD

The core rod of the transmission station post insulator is made of a high quality fiberglass that has been specially formulated for electrical and mechanical applications.

## HOUSING AND SHEDS

The housing and sheds of the insulator are one piece, injected molded silicone rubber that chemically bonds to the core rod. This ensures that the interface between the rubber and rod is impenetrable against moisture ingress.