



# PFISTERER

## Insulator Sets for High Voltage Applications

PFISTERER has been producing fittings for over 50 years and composite insulators for over 30 years, both for voltages from 1,5 kV up to 1000 kV. This experience, gained over decades in the design, production and application of complete insulator sets, qualifies PFISTERER as a most competent and reliable partner.

PFISTERER's insulator sets are installed and in operation on all continents and under extreme conditions from the tropic zones and desert areas with extremely high temperatures to very low temperatures at higher degrees of latitude.



420 kV Double Suspension Set

PFISTERER is a most competent partner in providing optimized solutions also for cases of special application requirements for insulator sets such as:

- light and compact designs
- extremely high strength requirements
- very long spans
- elevated conductor suspension points
- special string configurations
- extreme ambient conditions
- other special designs



420 kV Double Tension Set

Generally, PFISTERER bases its design of insulator sets on the specific customer specification as well as on the relevant IEC standards and most recent findings of the CIGRE Working Groups. This includes considering the required insulation level, the permissible corona and RIV (Radio Interference Voltage) values, the required power arc rating and short circuit current capability, pollution classes and the mechanical strength classes.



420 kV Suspended Double Tension Set

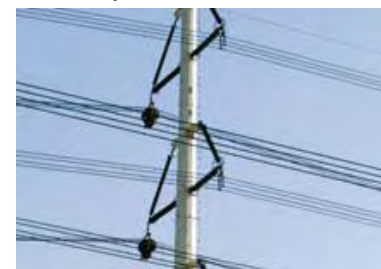
PFISTERER develops insulator sets with a high standard of engineering for various applications. The aim is to produce economical constructions which are easily assembled and which offer reliable long-term quality taking into consideration the following parameters:

- reliable reproducible assemblies
- corrosion resistant components
- connection contact quality
- effective corona and arc protection
- low radio interference
- improvement of voltage distribution along the insulators
- prevention of such discharges, which could cause erosion on insulators and on fittings



420 kV Suspended Double Tension Set

The quality and overall performance of the insulator sets are tested and proven by many and extensive tests in PFISTERER's own high voltage laboratory in Altdorf, Switzerland or in various independent accredited laboratories in Europe. Therefore, PFISTERER insulator sets guarantee safe and reliable transmission system operation over decades.



420 kV Insulated Crossarm