

PORCELAIN RAILWAY INSULATORS



Wet Process Porcelain
 Extrusion Technology
 Wet Turning Process
 C130 High Strength Alumina Porcelain
 High Creepage Options
 Wide Variety of Combined Load Options
VOLTAGE CLASS: 11 – 52 kV
PRODUCT STANDARDS: IEC 60433, IEC 60383, IEC 60672, EN 50119
EXPERIENCE: > 80 years



MAIN ADVANTAGES:

- Most Reliable Insulator Product (proven bei CIGRE Study/Survey WG 22.03)
- Extreme Weather and Environmental Resistant
- Type A (non puncturable) according to IEC 60383
- High Mechanical Strength
- Life-Expectancy >40 years
- Standardised Designs (DB E.B.S. System)
- Full Capability of Mechanical Combined Load Options
- Silicone Coatings available for Applications under Extreme Pollution

REFERENCES:

- 15 kV German Railway
- 25 kV Dutch Railway
- 15 kV Indian Railway
- 15 kV NORGES, Norwegian Railway
- 25 kV RSD, Russian Railway
- 25 kV SBB, Swiss Railway
- 15 kV ÖBB, Austrian Railway
- Balfour Beatty Rail (Germany)
- Fahrleitungsbau GmbH (Germany)

See also our complete Reference List for Porcelain Railway Isolators

DESIGNS:

Shank \varnothing		EMF** Class (max.)	Pollution Class*	h_1 , Max ***
[mm]	[inch]	[kN]	[mm/kV]	[mm]
45	1.78	60	12 - 80	1500
60	2.36	100	12 - 80	1700
75	2.95	160		

* in accordance with IEC 60815, higher SCD possible in individual cases
 ** EMF: Electro Mechanical Failing load, routine test load of 80% EMF
 *** max connection length

END FITTINGS:

- All IEC 60120 and IEC 60471 types
- All DIN 48006 fittings
- Flanges
- Special customer and tailormade fittings, e.g. for railway applications