

Substation Earthing

Operating Poles

P&B Weir Electrical is a UK owned and based company providing leading technology electrical system solutions to Industrial and Utility customers worldwide.

The range of substation portable earthing equipment is suitable for temporary earthing within the range of conductors 66kV to 400kV.

Our operating poles are manufactured from a lightweight resin-impregnated fibreglass of a high electrical insulation grade.

All our operating poles are manufactured, tested and approved to the ENA technical specification 41/21. The poles are machined to provide rigid assembly and include a double sided snap action spring locking device.

Operating poles are available as 2.44m (8ft) top and bottom single sections or two 1.22m (4ft) sections permanently linked to avoid a 1.22m (4ft) length of pole being fitted with an operating socket.

Operating poles should normally be limited to a length of 4.88m (16ft) long as it is considered that 4.88m (16ft) is the maximum length of pole which can be comfortably handled with safety. End plugs are supplied only when specified.

Our recommendation for the operating sockets for substation use are S9D ESI S1 and CEA/S ESI S2 to fit our operating poles, shown on our operating socket leaflet.

Product Benefits

- Lightweight
- Precision machined for rigidity
- High electrical resistance



P&B Weir Electrical Products

P&B Weir Electrical design and manufacture a range of products, including the following:

- Portable Earthing Equipment for EHV sub station and overhead line applications
- Gas and oil operated 'Buchholz' transformer protection relays
- Electrical Instruments and Test Equipment

Quality Assurance

P&B Weir Electrical maintains a high quality system in accordance with ISO 9001:2008 which is fully inspected and certified by AFNOR Ltd.

