



## Pedestrian Swing Gate Specification

To suit clear opening	Up to 2.00M
Standard vertical bar infill @ max. 120mm centres	30 x 20 x2 mm
Ground Clearance	80 mm

The gate shall be manufactured from rolled hollow section mild steel tube. The gate leaf is to be a torsion free, fully welded unit with the vertical bars fully welded to the top and bottom gate beams. The leaf shall be supported by the hanging post complete with high quality adjustable hinges and slam plate to locate the gate when in the closed position. Manual gates are provided with mortise lock, drop bolt and holding back catch.

The gate may be provided with the following alternative infills; welded mesh, pales to match palisade fencing, flat, profiled or louvered sheet steel or aluminium, wood (close boarded or hit and miss), round bar, diagonal bar, or the gate frame can be prepared to accept the customers own material.

For power operated gates the hanging post shall incorporate an open/close key switch, an emergency stop button and house an EP103 fully programmable control panel that will interface with all types of access control systems; eg. card readers or radio transmitters. The control panel has a built in auto close delay function, and plug in cards are available for inductive ground loops, stop/go lights/status indication, and electro-magnetic lock control. Access to the control panel will be through a lockable steel access door. Alternatively the control panel may be housed in a remote lockable steel weatherproof housing.

The drive system is to be mounted at high level on the gate hanging post or lintel, with the drive transmitted to the gate leaf by an articulated arm. This arm is to incorporate a lockable pin to allow the drive to be disengaged for manual operation in the event of power failure. The drive system shall be powered by a three phase 230/400V, 50Hz motor driving through a maintenance free worm drive gearbox equipped with adjustable limit switches to stop the gate in the open and closed positions. The drive units shall be shrouded in a stainless steel cover. The optional electro-magnetic lock is to be released and degaussed by the control panel prior to gate movement.

The standard safety buffer system shall be 'fail safe', and conform to the latest European Regulations – BS EN 13241-1:2003 (Category 3). It shall consist of four rubber buffers located either side of the gate vertical leading edge and bottom beam.

To ensure long term corrosion protection after fabrication, components are shot blasted, hot zinc sprayed and polyurethane coated. Colours may be specified by the customer.

Foundation and general arrangements drawings are supplied shortly after an order has been placed, for dimensional approval, and to ensure that the foundations can be completed in good time before the gate is delivered. Wiring diagrams are delivered with the gate.

08/07

