



Single & Double Leaf Swing Gates Specification

To suit clear opening (Single leaf)	Up to 10.00M
To suit clear opening (Double leaf)	Up to 20.00M
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 fully supported by the hanging post obviating any need for a jockey wheel. For single leaf gates the closing post will provide a slam plate to locate the gate when in the closed position. Manual gates are provided with mortise locks, drop bolts and holding back catches.

The gate may be provided with the following alternative infills; welded mesh, pales to match palisade fencing, flat, profiled or louvred 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(s) shall incorporate an open/close key switch and 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, and for larger gates can also be equipped with inverters to give 'soft start' and 'soft stop' functions, together with speed control. The control panel has a built in auto close delay function, and plug in cards are available for inductive ground loops, traffic light/status indication, and electro-magnetic lock control. Access to the control panel will be through a lockable steel access door.

The drive system is to be mounted at high level on the gate hanging post(s), 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 stainless steel covers.

Gate leaves up to 4.00 metres are to be held closed by the drive mechanism, with larger leaves incorporating an additional heavy duty magnetic lock rated at 4.60Kn. The 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 two rubber buffers per leaf located either side of the gates 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

