Quikfold Speed Gate Specification

To suit clear opening	Up to 10.00M
Standard vertical bar infill @ Max.120mm centres	30 x 20 x 2mm
Speed of operation	1M per sec.app.
Ground clearance	50mm
Hanging Posts	400x 200 x 6mm

The gate shall be manufactured from rolled hollow section mild steel tube. The gate leaves shall be torsion free, fully welded units.

The hanging posts are constructed from steel hollow sections with a welded steel top plate. The mounting brackets for the drive units are bolted to the top of the hanging posts. The drive units have stainless steel covers. One of the hanging posts also houses the electrical control panel behind an integral, weatherproof and lockable steel door. The outer and inner adjustable hinges are specially designed for heavy use. The gate leaves can be guided by special rollers with stainless steel axles running in either a flush ground track or top track, or by our new trackless lever system.

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.

The drive units have three phase 230/400V, 50 Hz. motors and worm drive gearboxes. The drive is transmitted to the gate leaf by an articulated arm which has a lockable quick release pin allowing the drive to be disengaged and the gate operated manually in the event of a power failure. The Daab EP103-2 fully programmable control panel will interface with all types of access control systems; eg. card readers or radio transmitters, and is 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. The gate is locked by the drive system.

The standard ‘fail safe’ safety system is self activating, consisting of rubber buffers located on the gate leaf leading edges, and on the horizontal bottom gate beams. The electronic detectors ensure that accidental contact will immediately stop and reverse the gate. Rotating warning lights can also be added to the top of the drive posts to indicate when the gates are in motion. Twin photo-cell beams are also provided for low/high vehicle protection. If any remote or automatic access systems are employed a ‘fail safe’ safety system is now required under Health & Safety Regulations. Our safety systems comply with current European safety regulations.

Open and close positions will be sensed through two limit switches. These are to be triggered by adjustable cam plates fitted to the gearbox output shaft.

Quikfold gates should not be used by pedestrians or cyclists.

To ensure long term corrosion protection after fabrication, components shall be 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.

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