VERTEX

1. Scope

- Single opening, single rail gate
- Double opening, single rail gate

2. Sizing

All sizes shown are structural sizes in mm.

Variant	Min Structural Height	Min Clear Height	Max Structural Height	Max Clear Height	Min Structural Width	Min Clear Width	Max Structural Width	Max Clear Width
Single opening, single rail gate	1655	1580	3575*	3500*	1800	1200	15m	12.1m
Double opening, single rail gate	1655	1580	3575*	3500*	3300*	2420**	30m	24.5m***

Note:
   * Structural openings larger than 3.575m high will require an additional horizontal intermediate beam and fixed grid above.
   ** Minimum width of a double gate is defined by the minimum width of each half. Minimum width of active half = 1600mm, minimum width of passive half = 1640mm.
   *** Actual clear width may vary dependent on the ratio of the active and passive half sizes.

3. Locking Options

- Surelock McGill Moorgate twin hook lock
    - Available with or without emergency escape function to secure side of gate
    - Range of approved cylinders available for external access
    - Auto and manual dead locking options
- Emergency exit handle protected within quick escape shroud
- ø25mm 450mm stainless steel pull handles to each side of gate in order to aid opening

4. Substrate Fixings

Vertex[2]
- M8 socket countersunk/cap head 10.9 BZP machine screw
- M8 socket countersunk/cap head A4 machine screw

Vertex[3]
- M10 socket countersunk/cap head 10.9 BZP machine screw
- M10 socket countersunk/cap head A4 machine screw

5. Security Rating

Vertex[2] is certified by the LPCB to LPS 1175: Issue 7 Security Rating 2. Vertex[3] is certified by the LPCB to LPS 1175: Issue 7 Security Rating 3.

6. Operational Testing

Vertex gates exceeded load tests, specified in BS EN 1991-1-1-2002 & TFL WS1053. The gates were tested to and passed 5kN/m perpendicular loading at identified risk areas, representative of crowd surge.

7. Finish

Vertex gates are available polyester powder coated in a range of colours and finishes, to suit customer requirements, as standard.