

LIFT-HINGED FLOOD GATES

Our Lift-Hinged flood gates utilise a unique 'raise-swing-lower' mechanism and do not require recessed ground channels, raised ground beams or ramps. This makes them ideal for vehicle entrances and especially suitable for forklift or wheelchair access.

Even the widest flood gates can be operated by one person using the smooth winding lift action and the single point locking mechanism. The lightweight aluminium construction also provides a far higher level of operator safety than heavy steel gates.

Due to their unique design, the gates are able to open a full 180°, either with or against the direction of flooding.

These flood gates are available as single or double leaf, or integrated with a stop-log system for wide entrances. Our gates are suitable for use in unmanned locations, are fully lockable and come complete with anti-theft and vandal resistant features.

The components are manufactured from construction grade steel and aluminium with stainless steel and are virtually maintenance free. They are designed for extreme weather durability to give a lifetime of service and with EPDM seals that reform even after prolonged periods of compression, the gates can, if required be left closed indefinitely.

For locations where gate leafs greater than 4.5m wide are required, we can also manufacture these gates from steel to any size.

Easy to use lift-hinge floodgate suitable for roads, vehicle and disabled access, flood depths up to 1.85m as standard.



USES

- Openings in floodwalls for continuous flood defence.
- Building openings.
- Vehicle entrances.
- Disabled access or public areas where steps or ramps not allowed.

BENEFITS

- Can be used on dead level thresholds for vehicle / disabled access.
- Single person operation.
- Lightweight - requires less massive supporting structure.
- Virtually maintenance free due to aluminium and stainless steel construction.
- Single point locking.
- Can open inwards or outwards up to 180°.



DESIGN



SIZES

- Single aluminium Lift-Hinged Gates are available up to 4.5m wide and 1.85m high.
- Double gates are available with demountable central posts for flood situations up to 9m wide.
- Steel flood gates can be made to any size – our largest to-date is 6.4m wide by 4.4m high.



CONFIGURATIONS

- Lift-Hinged Gates operate over a level threshold and are able to seal against any level flat surface.
- Gates can be integrated into glass barrier systems.
- Gates can be integrated with demountable barriers for large openings over 4.5m.



INSTALLATION

Gates require adequate walls either side and a flat surface to seal against. High compression seals enable Lift-Hinged Gates to operate on a variety of surface finishes.



BESPOKE CAD DRAWINGS

