

## LIFT-HINGED FLOOD GATES

Our Lift-Hinged flood gates utilize 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 aluminum 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 aluminum with stainless steel and are virtually maintenance free. They are designed for extreme weather durability to give a lifetime of service and with EPDM gaskets that reform even after prolonged periods of compression, the gates can, if required be left closed indefinitely.

For locations where gate leaves greater than 14.7 ft 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 6 ft as standard.*



### USES

- Openings in floodwalls for continuous flood defense.
- 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 aluminum and stainless steel construction.
- Single point locking.
- Can open inwards or outwards up to 180°.



## DESIGN



### SIZES

- Single aluminum Lift-Hinged Gates are available up to 14.7 ft wide and 6ft high.
- Double gates are available with demountable central posts for flood situations up to 30 ft wide.
- Steel flood gates can be made to any size – our largest to-date is 21 ft wide by 14.4 ft 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 stop-log barriers for large openings over 15 ft.



### INSTALLATION

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



### BESPOKE CAD DRAWINGS

