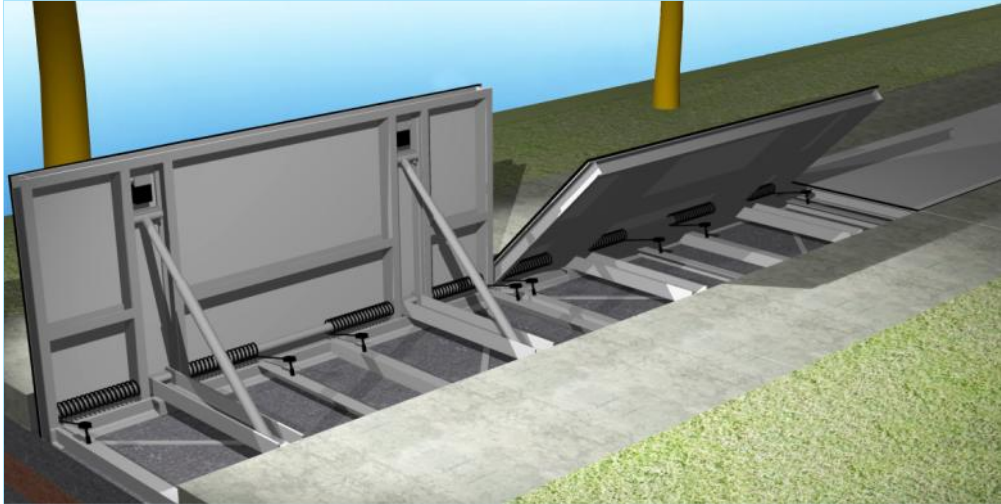


# Spring Dam<sup>®</sup>



The Fastest Flood Barrier in the World



# About Spring Dam<sup>®</sup>

Spring Dam<sup>®</sup>, manufactured by Tilt Dam<sup>®</sup>, is the fastest flood barrier to erect, in the world.

It takes two people just **2 minutes** to raise and fasten one **3m** section of Spring Dam<sup>®</sup>.

Each section of Spring Dam<sup>®</sup> comes complete with its own props and seals which are safely and securely stored under the locked barrier.

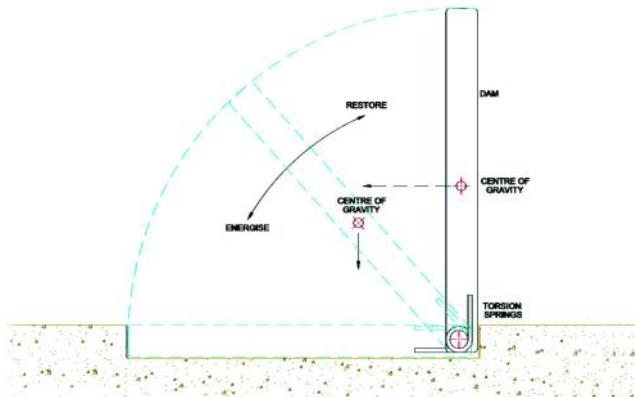
*No tools No machinery No problems*

Therefore, **100 metres** of flood barrier can be raised by 2 x two-man teams, in **30 minutes**.

## How Spring Dam<sup>®</sup> Works

Raising the dam by hand is assisted by high powered torsion springs located at the axis of each section of the Spring Dam<sup>®</sup>. Lowering the dam uses **gravity** to energise the springs, ready for the next time the dams are used.

Manually Assisted Spring-Powered Flood Defence



## Engineered to Last

Spring Dam<sup>®</sup> is designed for a **minimum** life of **50 years**. It is easy to maintain, with the few moving parts being fully accessible and only the bearings requiring an annual lubrication. It is designed to exceed BSI PAS1188-4:2009.



## Simple to Operate

The barriers can be raised in a matter of minutes, using unskilled labour. Designated staff with a Spring Dam<sup>®</sup> key, can unlock the flood barriers which means there is no longer a requirement for teams of specially trained engineers to be on standby.

## Easy to Install

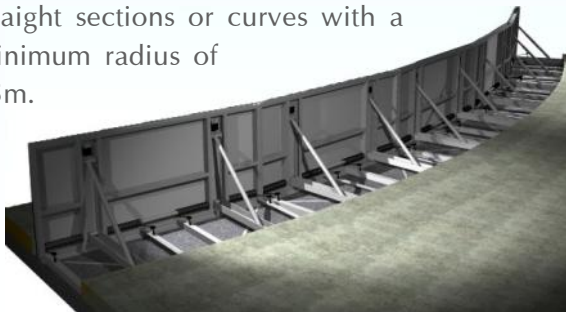
The maximum foundation penetration required for Spring Dam<sup>®</sup> is 130mm - 250mm; therefore, minimal ground works are required which saves both time and money.

Spring Dam<sup>®</sup> is simply bolted into place, onto a prepared setting. This means that two trained engineers can install the Spring Dam<sup>®</sup> at a rate of 20 metres per day!

# Spring Dam<sup>®</sup> in Service

Spring Dam<sup>®</sup> is a flood defence system designed to work and live with its environment.

- When not in use Spring Dam<sup>®</sup> is a path, roadway or simply part of the local environment to be enjoyed by the community
- Spring Dam<sup>®</sup> can be used as a single unit for a gate-way, or as a series of sections linked together to form a wall of any length
- The props and seals are stored under the locked barrier and the only "equipment" required on arrival is the Spring Dam<sup>®</sup> key to unlock the barrier
- When closed and locked the barrier is very difficult to steal and has been deliberately designed with a minimal salvage value
- Anti-vandal measures are incorporated within the barrier system for added security
- Proven offshore anti-corrosion technology means that the dams will withstand years of exposure in harsh environments
- Spring Dam<sup>®</sup> can be designed for long straight sections or curves with a minimum radius of 15m.



Spring Dam<sup>®</sup> is permanently in-situ, so...

- Reduced costs
- No offsite storage
- Not labour intensive
- No transportation risks
- No damage risks in handling

Spring Dam<sup>®</sup>, the 'spring-powered' in-situ flood defence system from Tilt Dam<sup>®</sup> Ltd, can be applied to a variety of situations in both the private and public sectors, where flooding has arisen from pluvial/fluvial, or ground water and marine flooding.

Spring Dam<sup>®</sup> is strong enough to bear articulated traffic and is simple and safe to operate, providing long term security and value for money. When looking for a flood defence product, that can protect a range of environments, look no further than Spring Dam<sup>®</sup>.

## Spring Dam® is...

- ✓ reliable
- ✓ fast
- ✓ simple
- ✓ strong
- ✓ complete
- ✓ low maintenance

## Spring Dam® can be...

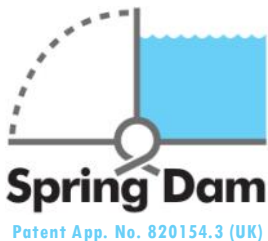
- ✓ raised in minutes
- ✓ 2.5m high
- ✓ curved
- ✓ straight
- ✓ any length
- ✓ textured & coloured

## Spring Dam® does...

- ✓ not need deep foundations
- ✓ not need transport
- ✓ not need tools
- ✓ not need power
- ✓ not need storage
- ✓ not need technicians



## The fastest commercial flood barrier in the world



*For case studies and videos, please visit: [www.tilt-dam.co.uk](http://www.tilt-dam.co.uk)*

**Tilt-Dam Limited**  
3 Northbrook House  
Free Street  
Bishops Waltham  
SOUTHAMPTON GB  
SO32 1NP

**Contact:**  
Tel: +44 (0) 1242 249411  
Fax: +44 (0) 1242 652200  
Email: [sales@tiltdam.co.uk](mailto:sales@tiltdam.co.uk)  
Web: [www.tiltdam.co.uk](http://www.tiltdam.co.uk)