

Bespoke to Any Span

Aluminium 6063-T66

Demountable & Reusable

EPDM Compression Seals

Mid-Post Spanning

PRODUCT SPECIFICATION

Stop Log Barrier

Demountable Aluminium Post & Plank Flood Barrier



Key Features

- **Spans Long Openings**
 Intermediate mid-posts extend protection across wide and effectively unlimited runs
- **Lightweight Aluminium**
 EN AW-6063-T66 extrusions — corrosion resistant and easily handled by hand
- **Rapid Deployment**
 Slot-in planks drop into the post channels — hand tools only, no power tools
- **Demountable & Reusable**
 Panels removed and stored between events, ready for repeat deployment
- **Compression Sealing**
 EPDM vertical seals with a PE/PU compressible base seal closed by the clamp
- **Stainless Clamp Mechanism**
 SS304 machined compression clamp with brass bush to prevent cold welding
- **Secure & Lockable**
 Lockable clamp tabs and tamper-resistant end-post security covers
- **Engineered Spans**
 Panel and post sizing set against the design water-head / deflection chart

CONSTRUCTION

 6063-T66
 Aluminium

PANELS

 200 / 300mm
 2.2mm Wall

SEALS

 EPDM
 PE/PU Base

CLAMP

 SS304
 Compression

FLOOD HEIGHT

 150–1200mm
 Range

SPAN

 Up to 6.0m
 Per Post

MM Engineering

Unit 4B Sirius Drive, Baglan Energy Park, Port Talbot SA12 7BR

Technical Specification

The MM Engineering Stop Log Barrier is a demountable post-and-plank flood defence designed and fabricated at our facility in Port Talbot. Aluminium baffle boards slot between fixed end posts and intermediate mid-posts, then compress onto EPDM and base seals via a stainless steel clamp — deployed by hand and removed for storage between events. Every run is engineered and detailed to the specific opening and design flood height.

| ITEM | SPECIFICATION |
|-------------------------------|---|
| Construction | Aluminium alloy EN AW-6063-T66, raw aluminium finish |
| Barrier Panels (Logs) | 200mm or 300mm high × 50mm deep, 2.2mm wall; 200mm board 3.9 kg/m, I = 66.3 cm ⁴ |
| End Posts | 108 × 93 × 20mm profile; 10.5 kg/m; I = 554 cm ⁴ ; two vertical seal channels |
| Mid / Centre Posts | Aluminium intermediate posts to extend span; cast-in socket mounted |
| Vertical Seals | EPDM V-seals — two per post, inner channels |
| Base Seal | PE + PU compressible base seal (0.412 kg/m); EPDM post foot seal |
| Inter-Panel Seals | EPDM top-edge seal on each plank; base plank double-sealed |
| Clamp Assembly | SS304 machined clamp with brass bush; horizontal & vertical compression bolts |
| Security & Locking | Lockable clamp tab (padlock) and T-key end-post security covers |
| Mid-Post Fixing | M24 × 70 A4 cap-head bolts into cast-in sockets with grub-screw protection |
| Wall Fixing | Substrate dependent — concrete: Fischer SX/SLM; brick: HIS-RN M8 resin anchors |
| Mounting Options | Rebate, side-wall, on-seating or off-seating; tolerance ±3mm (max 6mm) |
| Flood Height Range | 150mm to 1200mm (post and panel schedule to suit) |
| Maximum Span | Up to 6.0m between posts — reduces with flood height per design chart |
| Deployment | Hand tools only; sealed base plank first, intermediates, then top plank |
| Tooling Supplied | T-bar & 6mm allen keys, T50/T30 torx, hex sockets, plug tap, T-handle lifters |

Engineering & Documentation

Each stop log run is sized against the design water-head and panel-deflection chart, then fabricated under our quality management system. Posts, sockets and fixings are detailed per substrate, and every panel and post is numbered to a plan-view installation drawing for fast, unambiguous deployment.

Full documentation pack supplied: general arrangement and fixing drawings, container and packing plans, scheme-specific O&M manual and a maintenance record log.

Built Bespoke to Your Opening

Every run is designed to the specific aperture, flood height and substrate. We design, fabricate, supply and detail installation as a single-source service.

[Contact us for a same-day quote](#)