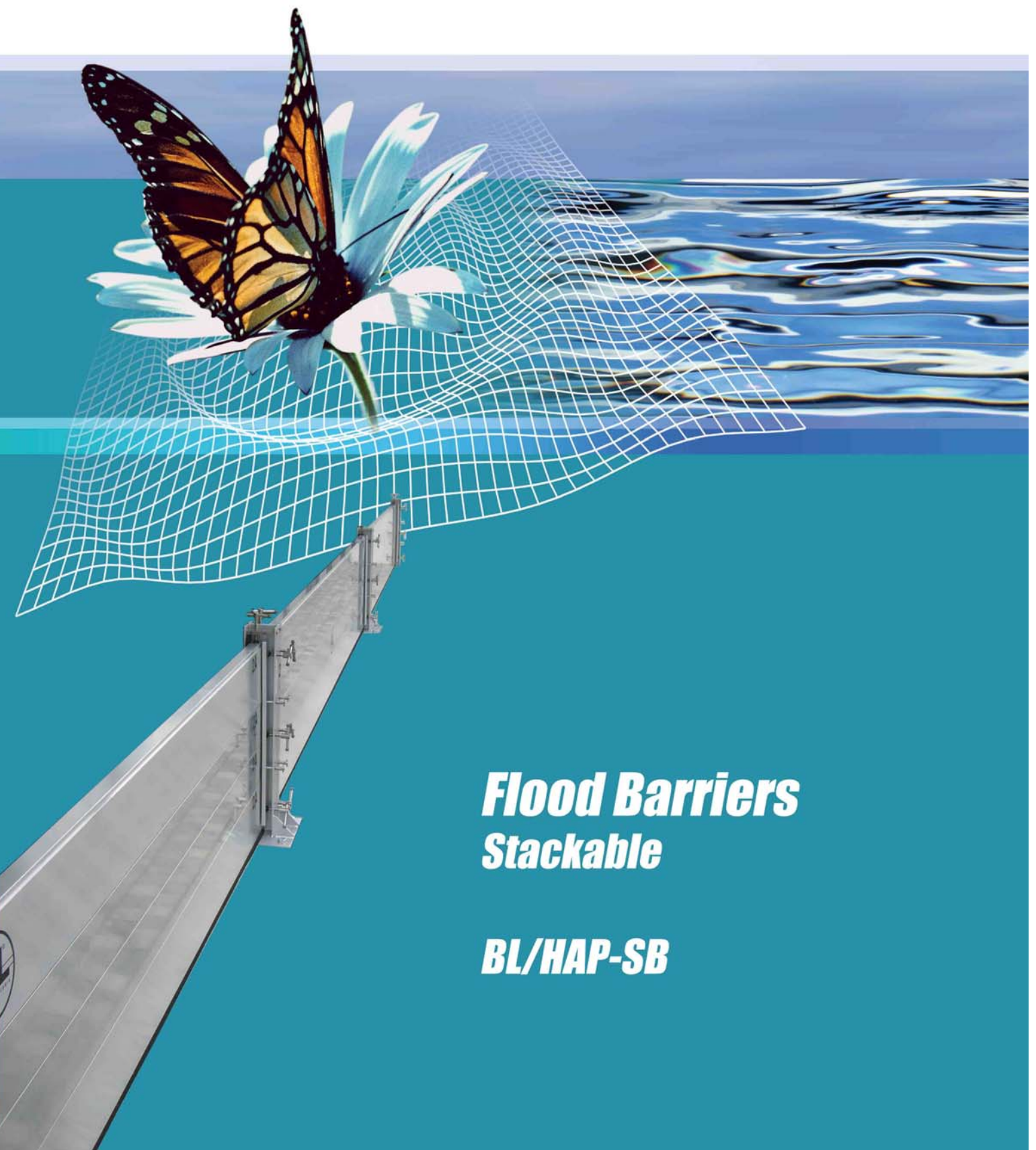




***Flood Barriers
Stackable***

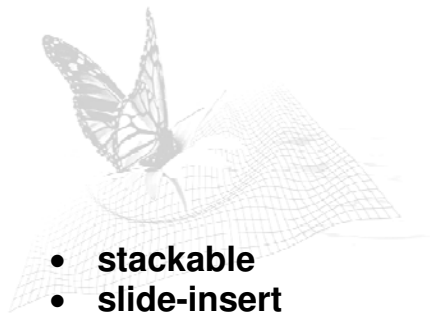
BL/HAP-SB

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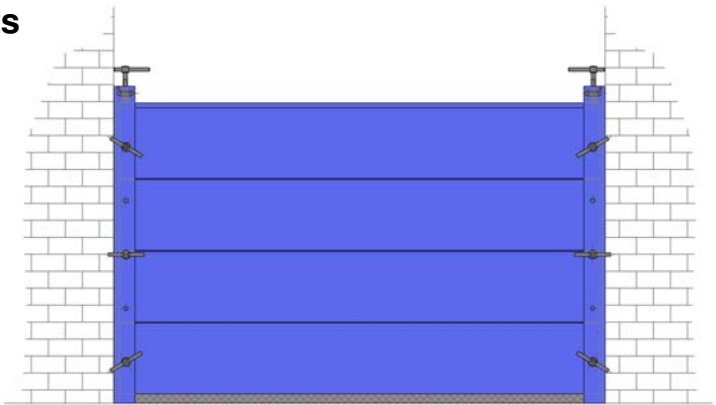
Flood Barrier BL/HAP-SB

Article index: 324, 329, 337

BL/HAP-SB: Stackable barrier elements



- **stackable**
- **slide-insert**
- **tongue-and-groove principle**



Dimensions:		
BL/HAP-SB 200-50	BL324	Aluminium body 200 x 50 x 4 mm
BL/HAP-SB 150-80	BL329	Aluminium body 150 x 80 x 4 mm
BL/HAP-SB 150-100	BL337	Aluminium body 150 x 100 x 4 mm

There are good reasons why the traditional system of stacked barriers of equal height is most often used for flood protection: **easy and safe to assemble** – even for non-specialists; **uncomplicated design** owing to the open construction method; quick to service thanks to the easily **replaceable standard components**; interlocking barrier elements and reliable bracing technology – for the **greatest possible stability**.

The U-posts include a 10-mm seal and a contact pressure rail along the entire retention height.

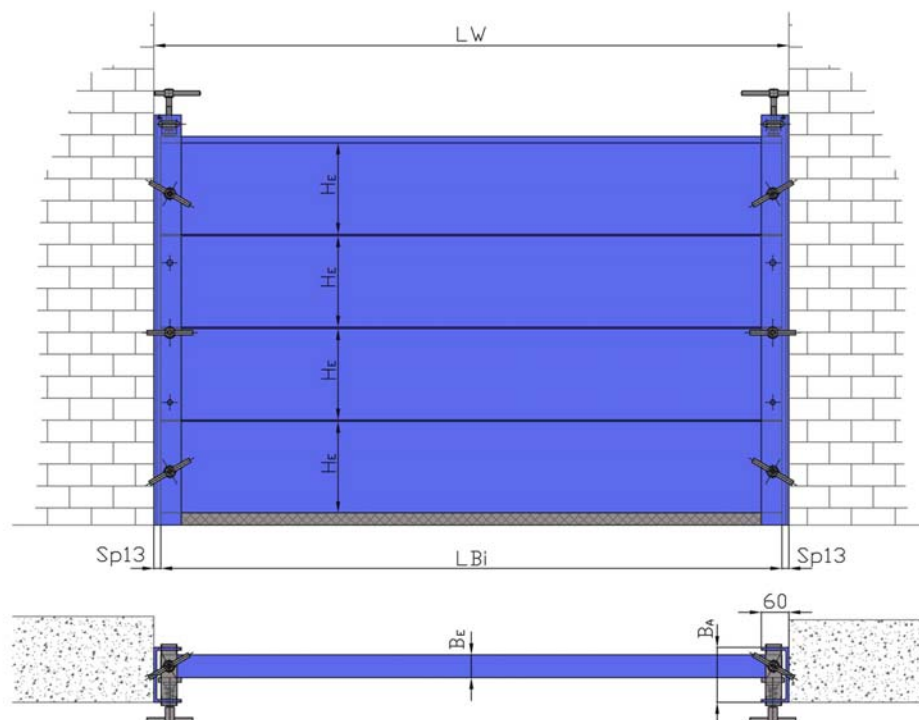
In the event of flooding, the aluminium bodies are inserted between the seal and the contact pressure rails

The pressure screws located on the sides guarantee a tight seal

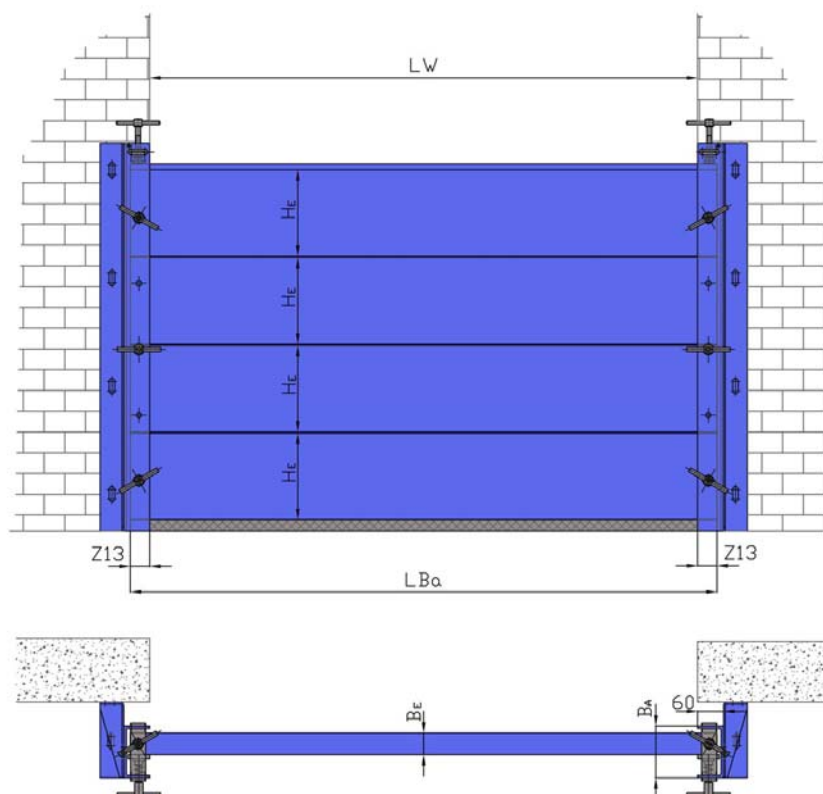
The upper pressure screws prevent the retention barriers from floating up.

Since 2011, all our barrier profiles have been furnished with a high-grade Eloxal protective coating (Eloxal = electrolytic oxidation of aluminium).

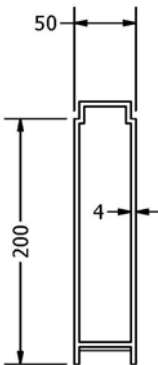
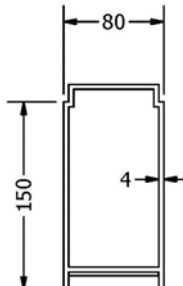
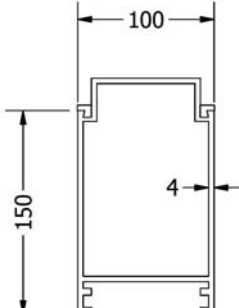
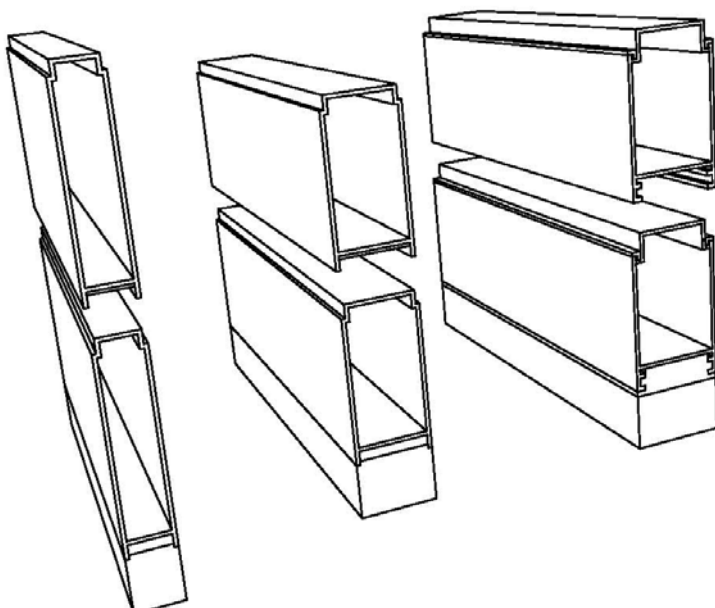
Installation inside a doorway or gate



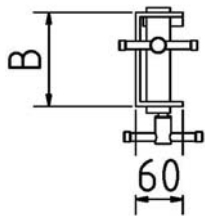
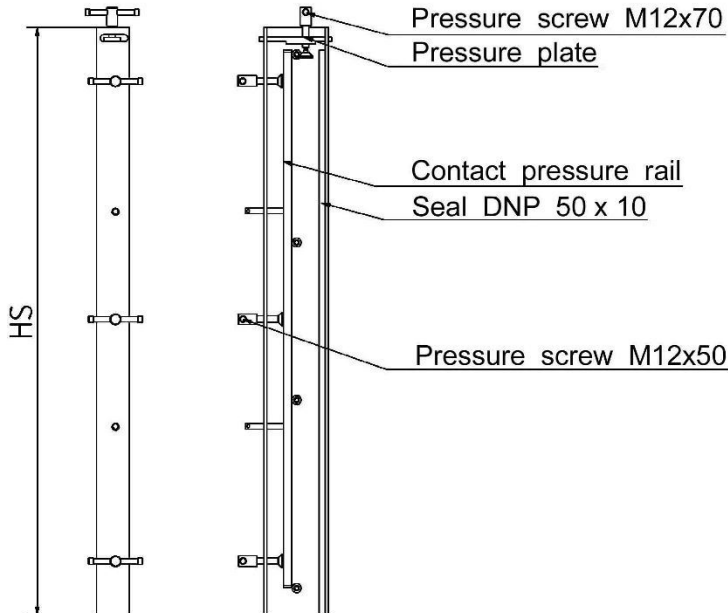
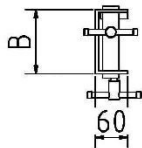
Installation outside a doorway or gate



Various barrier profiles

Material: aluminium, alloy Al MgSi 0.5						
	BL324		BL329		BL337	
Aluminium body, height in mm / H _E	200		150		150	
Aluminium body, width in mm / B _E	50		80		100	
Weight per metre in kg	5,65		5,51		6,61	
Seal, stackable element	DNP 45 x 3 / No. 175345		DNP 75 x 3 / No. 175375		EPDM / No.17514068740	
Seal, ground element Sandwich seal	DND 45 x 10 / No. 1754510w DPU 50 x 60 / No. 1755060		DND 75 x 10 / No. 1757510w DPU 80 x 60 / No. 1758060		DNP 100 x 30 / No. 17610030w DPU 100 x 60 / No. 17560100	
						

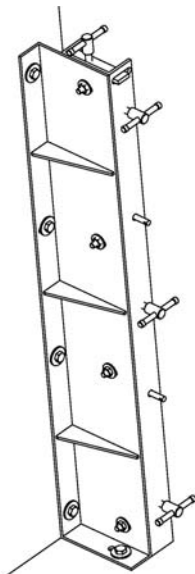
U-shaped profiles

Material: unalloyed structural steel S235JR, galvanised + powder-coated in RAL 9006			
	BL324	BL329	BL337
U-profile	120 x 60 x 6 mm	140 x 60 x 6 mm	160 x 60 x 6 mm
Width B in mm / B _A	120	140	160
Installation inside a doorway or gate	LB _i = LW – (2 x Sp ₁₃) Sp ₁₃ = 15 mm		
Installation outside a doorway or gate	LB _a = LW + (2 x Z ₁₃) Z ₁₃ = 50 mm		
Total height HS in mm	Retention height + 83 + 3 x number of retention barriers		
Seal	DNP 50 x 10 / No. 1751050w		
	 		

Wall-mounted U-profiles

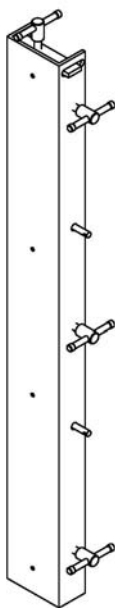
Attaching the barriers outside a doorway or gate

U-profile connected to the wall and sealed using wall angles



Attaching the barriers inside a doorway or gate

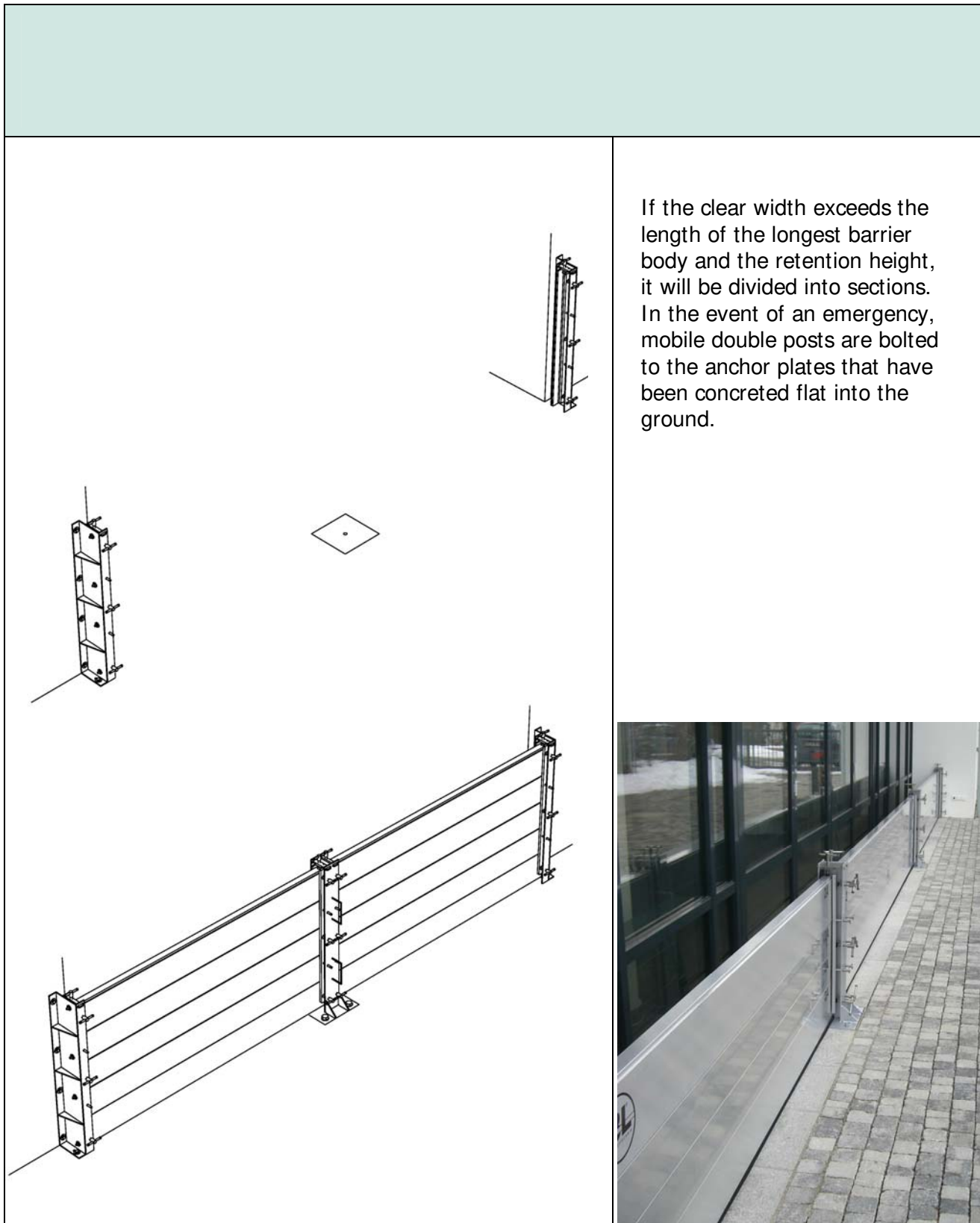
U-profile fastened and sealed directly to the wall



Span widths

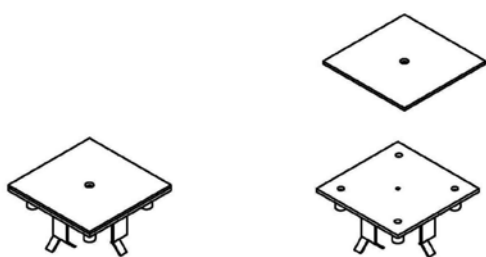
BL324		BL329		BL337	
Retention height in mm	Maximum barrier length in mm	Retention height in mm	Maximum barrier length in mm	Retention height in mm	Maximum barrier length in mm
200 / 1 profile	4900	150 / 1 profile	6000	150 / 1 profile	6000
400 / 2 profiles	4100	300 / 2 profiles	5500	300 / 2 profiles	6000
600 / 3 profiles	3050	450 / 3 profiles	5000	450 / 3 profiles	6000
800 / 4 profiles	2750	600 / 4 profiles	4650	600 / 4 profiles	6000
1000 / 5 profiles	2600	750 / 5 profiles	4400	750 / 5 profiles	6000
1200 / 6 profiles	2400	900 / 6 profiles	4200	900 / 6 profiles	6000
1400 / 7 profiles	2300	1050 / 7 profiles	4050	1050 / 7 profiles	5700
1600 / 8 profiles	2200	1200 / 8 profiles	3900	1200 / 8 profiles	5500
1800 / 9 profiles	2100	1350 / 9 profiles	3800	1350 / 9 profiles	5300
2000 / 10 profiles	2050	1500 / 10 profiles	3700	1500 / 10 profiles	5100
2200 / 11 profiles	1950	1650 / 11 profiles	3600	1650 / 11 profiles	4900
2400 / 12 profiles	1900	1800 / 12 profiles	3550	1800 / 12 profiles	4800
2600 / 13 profiles	1850	1950 / 13 profiles	3450	1950 / 13 profiles	4650
2800 / 14 profiles	1800	2100 / 14 profiles	3400	2100 / 14 profiles	4550
3000 / 15 profiles	1750	2250 / 15 profiles	3350	2250 / 15 profiles	4425
		2400 / 16 profiles	3300	2400 / 16 profiles	4350
		2550 / 17 profiles	3250	2550 / 17 profiles	4250
		2700 / 18 profiles	3200	2700 / 18 profiles	4150
		2850 / 19 profiles	3150	2850 / 19 profiles	4075
		3000 / 20 profiles	3100	3000 / 20 profiles	4000

Multi-segment barriers



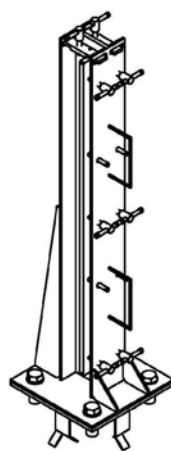
Mobile double posts

Mounting

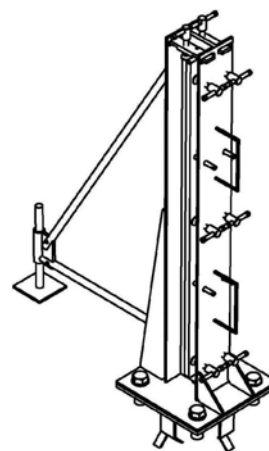


Anchor plate:
- concreted in flat
- can be driven over

1. Remove cover plate
from anchor plate



2. Bolt double post to anchor
plate
Insert a 300 x 300 x 3 mm
seal between anchor plate
and double post



3. Barriers that exceed a certain
height and length will require
a triangular support on the
double post



Anchor plate



Mobile double post

Reference examples



FLOOD BARRIERS







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