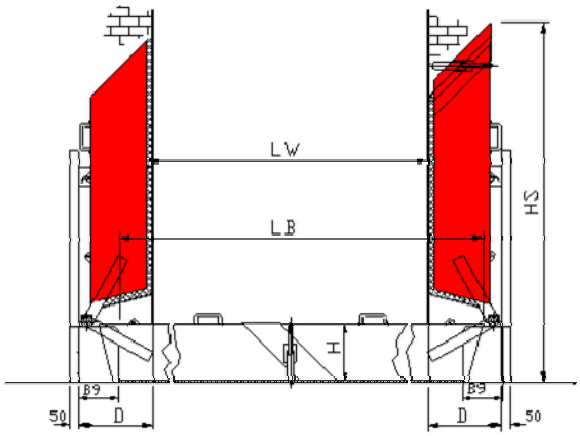
2.3 Retention barrier type BL/BDD

Article root number: 033

Barrier – raising capability on two sides

Dimensions:		
Standard height		100 to 300 mm
Special situations	up to	750 mm
Standard length	up to	6000 mm
Special situations	up to	8000 mm
Width		50 mm



2.3.1 Description

Suitable for crack-free surfaces with up to 20 mm (± 10 mm) of floor/ground unevenness, e.g. concrete, corrugated sheet metal, tiles, stones, etc.

The Retention Barrier is comprised of two trapezoidal, integral hollow aluminium profiled sections (elements). A compressible, highly adaptable special seal is affixed on their lower side and end face.

Both swivelling devices are securely mounted and sealed to the floor/ground and wall next to the opening to be protected. The barrier bodies are securely bolted into the hinges. These sections stand vertically in the resting position and are secured in this position in conformity with accident prevention measures to avoid unintentional release. When being deployed, the barrier body without the tensioning device is first unlocked and lowered into the closing position. The opposite barrier body with the attached tensioning devices is then deployed in the same manner and both elements tensioned against each other and against the floor/ground surface.

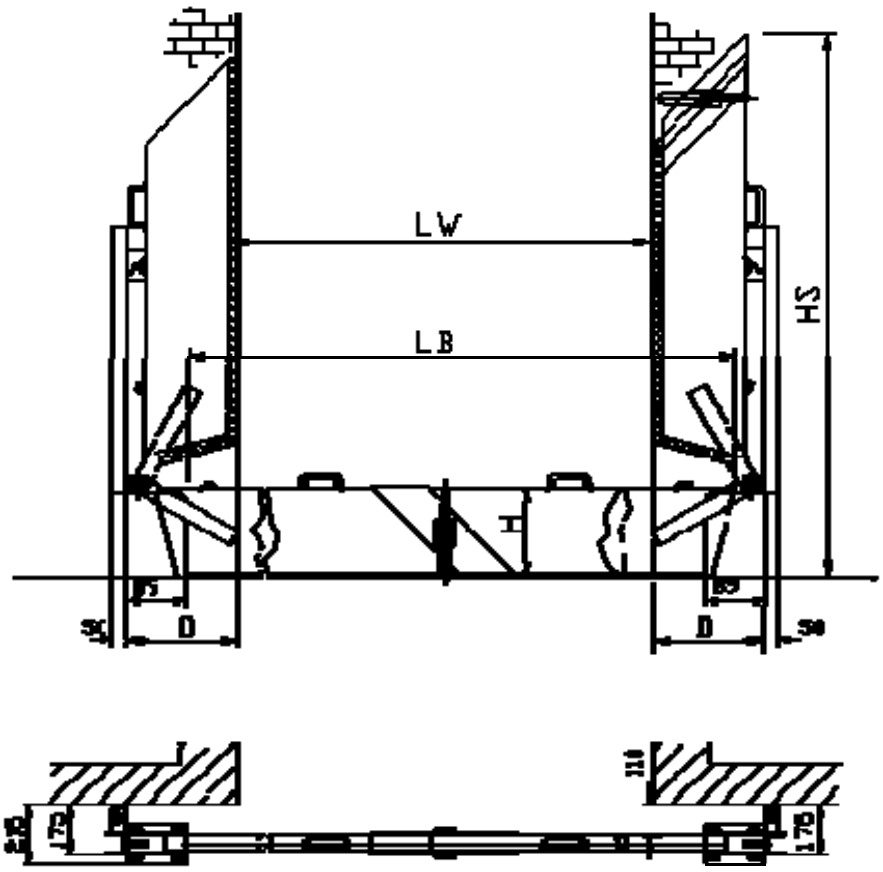
With certain lengths and heights, both closure barriers are counterbalanced with weights in the factory. Gas-charged springs are standard. Operation by means of a manual winch is recommended for very large barriers.

Barrier bodies and mounting fixtures are furnished with a red paint finish, preferably “traffic red” RAL 3020. The remaining metal components are galvanized or made of aluminium.

Features:

- **Ease of use and variable**
- **Manufactured according to LGA Test Guideline 3/93**
- **Quality-monitored (Ing.-Büro Blobel, Friedberg, Germany)**
- **Field-tested**

2.3.2 Drawing



BL / BDD (Barrier - raising capability on two sides)
Table of dimensions for specified dimension LB
LB = barrier length LW = clearance width Z = ad measurement LB = LW + Z_{DD}
Minimum room height: HS = LB / 2 + H + 200 mm or according to site specifications
W_9 = 105mm for all retention heights

Retention height H [mm]	D [mm]	Z_{DD} [mm]	Retention height H [mm]	D [mm]	Z_{DD} [mm]
100	220	210	450	570	910
150	270	310	500	620	1010
200	320	410	550	670	1110
250	370	510	600	720	1210
300	420	610	650	770	1310
350	470	710	700	820	1410
400	520	810	750	870	1510

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