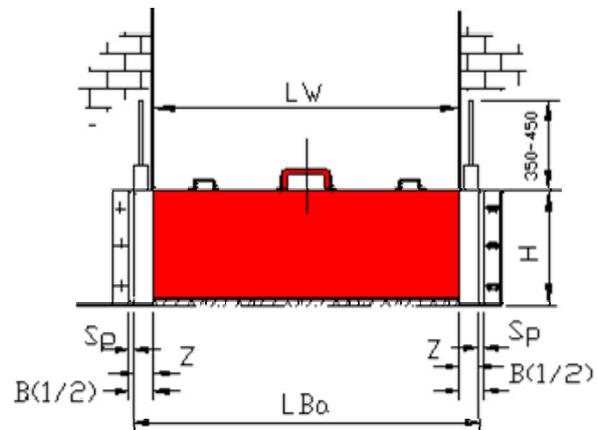


1.1 Retention barrier type BL/BST

Article root number: 011

Barrier – slide-insert – multi-functional Dual-direction pressure, changeable on-site

Dimensions:		
Standard height		100 to 500 mm
Special situations	up to	600 mm
Standard length	up to	6000 mm
Special situations	up to	8000 mm
Width		50 mm



1.1.1 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 a rectangular, integral hollow aluminium profiled body. A compressible, highly adaptable special seal is affixed to the bottom side. Special terminal nubs are applied on the topside.

The barrier body is set into two mounting devices. These mounting devices are securely mounted next to the opening to be protected or within the doorjamb and then tightly sealed against the building or structure. A vertical tensioning device is located on each of the mounting units (tension mounts). With these tensioning

devices, the necessary force can be applied to secure the barrier body into place, press it against the seal of the mount and compress the floor/ground seal. A tightly sealed closure is thus guaranteed. The contact pressure is adjustable. The direction of pressure can be changed. The mounts and vertical tensioning devices are optimally adapted to the situation at hand in association with the length and retention height.

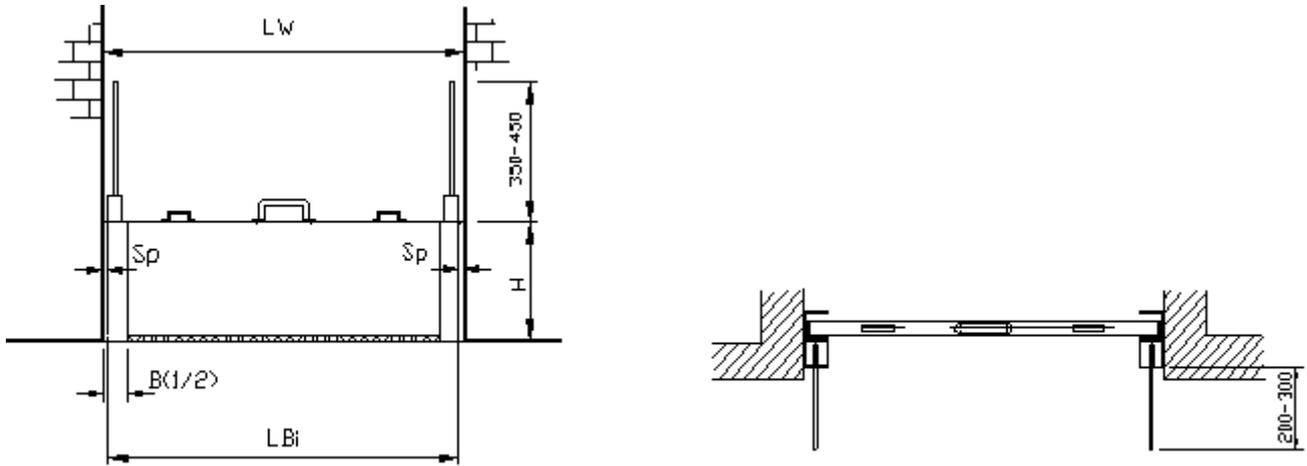
Wall mounts are included in the product package to provide for orderly storage.

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 high degree of adaptability
- Design-tested (LGA, Trade Supervision Department - Bavaria, Germany)
- Monitored (LGA, Materials Testing Institute)
- Tested by the fire-fighting industry (IdF, Fire Brigade Institute, Heyrothsberge, Germany)

1.1.2 Drawing – "within the doorjamb"



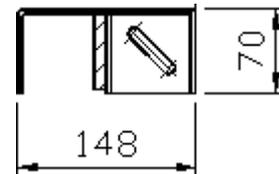
BL / BST (Barrier - standard - slide-insert)

Table of dimensions for specified dimension LBi (LBi = barrier length, within the jamb)

B1 / 70

Height H [mm]	LWi [mm]	
100	up to 5000	B1 = 70 mm $LBi = Lw - (2 \times Sp_1)$ $Sp_1 = 15 \text{ mm}$
150	up to 4000	
200	up to 3000	
250	up to 2500	
300	up to 2000	
350, 400	up to 1000	
450, 500		
550, 600		

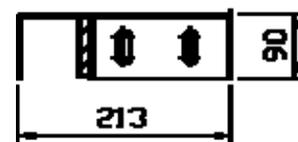
B1



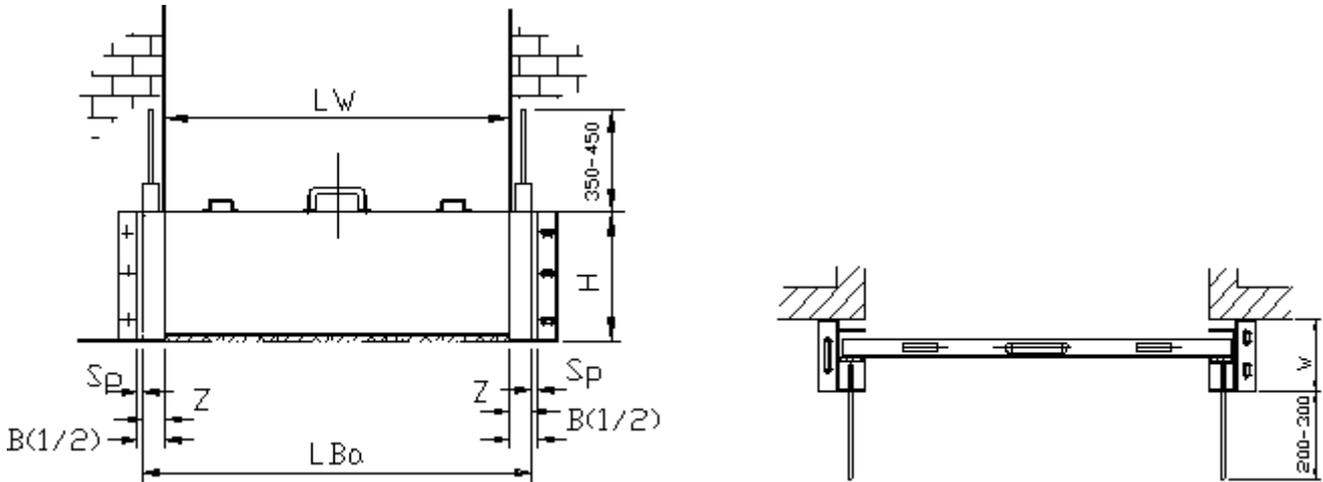
B2 / 90

Height H [mm]	LWi [mm]	
150	over 4000	B2 = 90 mm $LBi = Lw - (2 \times Sp_2)$ $Sp_2 = 20 \text{ mm}$
200	over 3000	
250	over 2500	
350, 400	all length	
450, 500		
550, 600		

B2



1.1.3 Drawing – "outside of doorjamb"

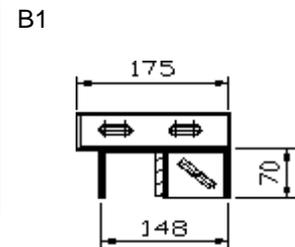


BL / BST (Barrier - standard - slide-insert)

Table of dimensions for specified dimension LBa (LBa = barrier length, outside of jamb)

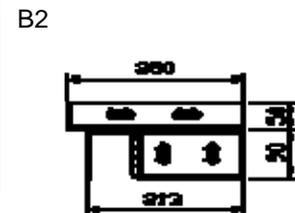
B1 / 70

Height H [mm]	LWa [mm]	
100	up to 5000	$LBa = LW + (2 \times Z_1)$ $Sp_1 = 15 \text{ mm}$ $Z_1 = \text{ad measurement} = 60 \text{ mm}$ $W_1 = 175 \text{ mm}$ $B_1 = 70 \text{ mm}$
150	up to 4000	
200	up to 3000	
250	up to 2500	
300	up to 2000	
350, 400	up to 1000	
450, 500 550, 600		



B2 / 90

Height H [mm]	LWa [mm]	
150	over 4000	$LBa = LW + (2 \times Z_2)$ $Z_2 = \text{ad measurement} = 80 \text{ mm}$ $Sp_2 = 20 \text{ mm}$ $W_1 = 250 \text{ mm}$ $B_2 = 90 \text{ mm}$
200	over 3000	
250	over 2500	
350, 400	all length	
450, 500		
550, 600		



Europe

Blobel Umwelttechnik GmbH

Ziegeleistraße 5
86368 Gersthofen, Germany

Telephone: +49 (0)821 498190-0
Telefax: +49 (0)821 498190-30

email: info@blobel.de
Web: www.blobel.de

North America / Canada

BLOBEL Environmental Engineering LLC

270 Presidential Drive
Wilmington, Delaware 19807, USA

Telephone: +1 302-353-1555
Telefax: +1 302-288-3753
Mobile: +1-215-666-2267

email: info@blobel.us
Web: www.blobel.com

Asia / Pacific / South America

Blobel Environmental Engineering

6/41 Belgrave Street
Sydney NSW 2024, Australia

Telephone: +61 (0)2/93 69 35 04
Mobile: +61 (0) 4 19 27 94 81

email: mail@blobel.com
Web: www.blobel.com