SPORTS HALL DOORS

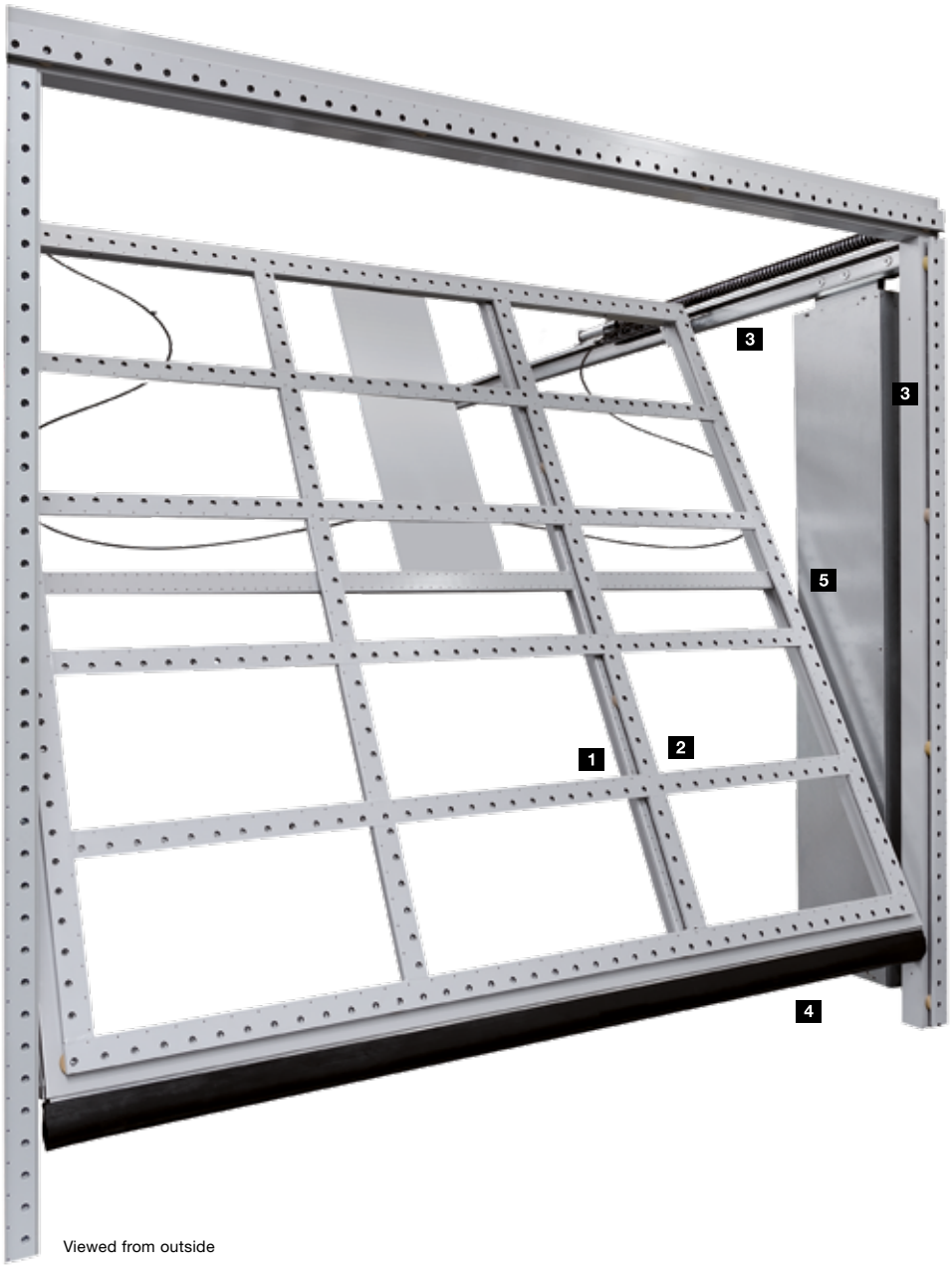
More security for sports and games

HÖRMANN

Sports hall door SP 500

Technology for maximum security and a longer service life

Sports hall doors form the division between halls and equipment rooms in sports and multi-purpose halls. As Europe's leading manufacturer of doors, frames and operators, we are committed to high product and service quality. This is how we set standards on an international scale.



Viewed from outside

Long-lasting design
The stable box sections 1 with horizontal reinforcement struts 2 offer long functional reliability as well as extremely smooth running.

Safe and space-saving door travel
Vertical and horizontal booms 3 ensure safe door guidance and buffer stops slow the door down gently when opening and closing. The door does not swing out when opening, nor does it protrude into the hall when it is opened.

Elastic foot trap protection
In order to reduce the risk of foot injuries, the bottom edge of the door has been equipped with an elastic trap protection 4 over the entire door width.

Completely encased counter weights
Protective boxes 5 completely safeguard the counter weights on both sides against reaching in. The door opens and closes effortlessly with the two counter weights.

The door is also gently “slowed down” thanks to buffer stops. Double pull cords protect the door leaf from falling.

Secure track ends
Adjustable plastic rollers on ball-bearings reduce the wear and ensure longer periods of use. The track ends 6 have shock-resistant cladding.

Colours and surface finishes
The galvanized frame profiles feature a powder-coated primer in White aluminium based on RAL 9006 as standard. On request, all other RAL colours are also available.

Maximum security for any indoor sport
The Hörmann sports hall door complies with the accident prevention regulations for “Schools” of the German statutory accident insurance GUV-V S1. The door leaf has been tested as bounce-resistant according to DIN 18032-3 7.


1 2 Interior view


3


4


5


6

7

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Secure locking

The rotary catch lock 1 of the sports hall doors firmly fixes the corners of the door leaf to the frame, locking it much more securely than a common bolt lock.

Ergonomic interior handle

The radial door handle that fits optimally in the palm of the hand is found on the equipment room side. 2

Injury-proof exterior handle

The recessed lever handle 3 in anodised aluminium, optionally also in anodised stainless steel, is embedded flush-fitting into the door leaf on the exterior. This practically eliminates the possibility of sustaining injuries.

Ready-to-fit for on-site infill

The sports hall door SP 500 is optimally prepared for on-site infill 4. Please refer to the tables on page 5 for the max. infill weight. This allows the door to be integrated almost invisibly into the wall 5.

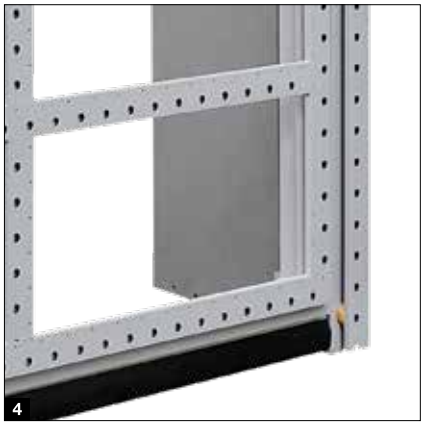
Elastic impact surface

The optional base construction for an elastic impact surface 6 reduces impact forces by over 60%.


1


2

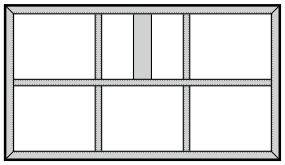

3


4

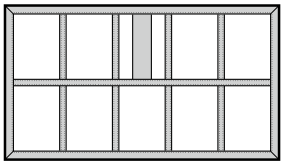

5


6

For surface-mounted, on-site infill



BRB 1500 mm – 4000 mm



BRB ≥ 4005 mm

BRH up to 2595 mm:	1 horizontal strut
BRH from 2600 up to 2750 mm:	2 horizontal struts
BRB up to 1495 mm:	No vertical struts
BRB from 1500 up to 4000 mm:	2 vertical struts
BRB from 4005 up to 5000 mm:	4 vertical struts
BRB from 4000 mm:	Bottom profile reinforcement 60 × 40 mm

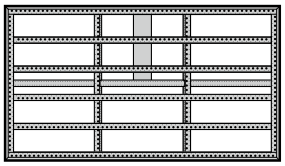
Note:
For doors with an ordering size BRH less than 2300 mm, the min. clear passage height of 2200 mm required according to DIN 18032 cannot be maintained.

Maximum infill weights in kg/m²

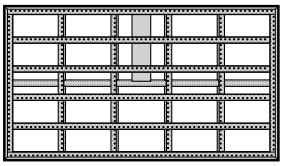
BRH Nominal size height	BRB 1200	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
2750	36	30	26	22	20	18	16	14	12	12	10	8	7	6	6	
2625	36	32	28	24	20	18	16	14	14	12	10	8	8	7	6	
2500	36	36	30	26	24	20	18	16	16	14	12	10	10	8	7	
2375	36	36	32	28	24	22	20	18	16	14	14	12	10	9	8	
2250	36	36	36	30	26	24	22	20	18	16	14	12	12	10	8	
2125	36	36	36	32	28	26	22	20	18	18	16	14	12	10	8	
2000	36	36	36	36	30	28	24	22	20	18	18	14	14	12	10	

BRB Nominal size width

For surface-mounted, on-site infill with base construction for an elastic impact surface



BRB 1500 – 4000 mm



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2625	34	28	22	18	16	14	12	10	10	8	8					
2500	36	30	26	22	18	16	14	12	10	10	8	6	6			
2375	36	32	26	24	20	18	16	14	12	10	10	8	6			
2250	36	34	30	26	22	18	16	14	12	12	10	8	8	6	6	
2125	36	36	32	28	24	20	18	16	14	12	12	8	8	6	6	
2000	36	36	34	30	26	22	20	18	16	14	12	10	10	8	6	

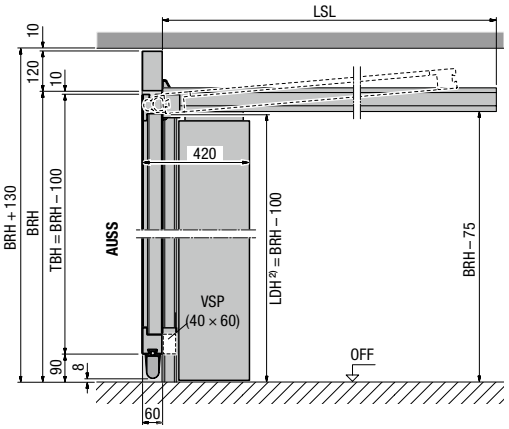
BRB Nominal size width

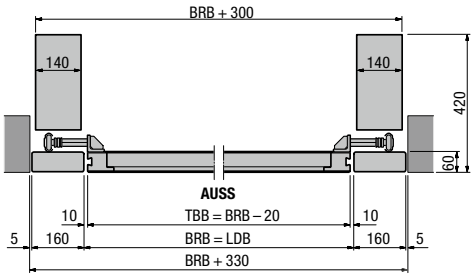
Please note:
The design of the impact surface base construction depends on the infill and must be technically clarified before order processing!

Sports hall door SP 500

Dimensions and fitting data

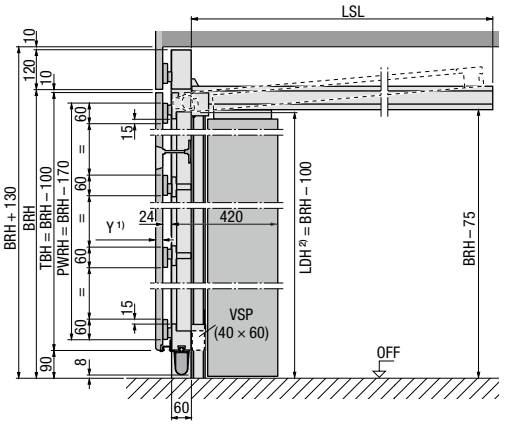
Fitting in the opening (standard)

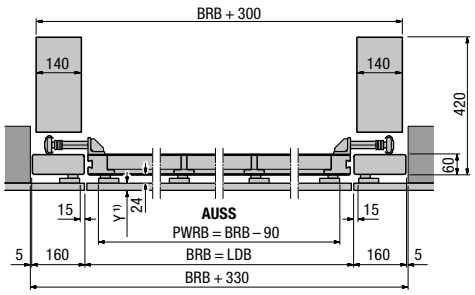




BRH	LSL
≤ 2250	2250
2255 – 2500	2500
2505 – 2750	2750

Fitting in the opening with base construction for elastic impact surface

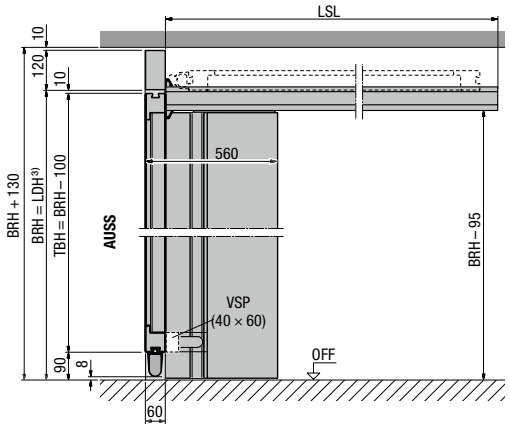


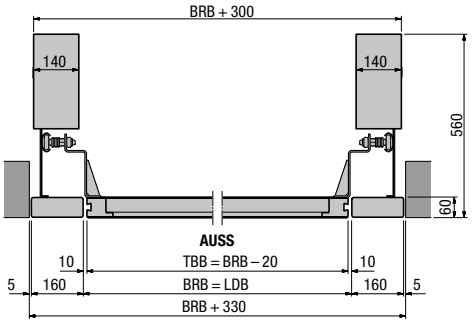


BRH	LSL
≤ 2250	2250
2255 – 2500	2500
2505 – 2750	2750

Dimensions in mm

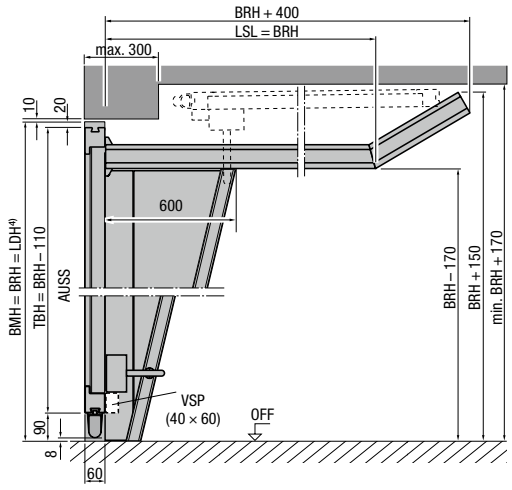
Fitting in the opening with fitting behind the lintel

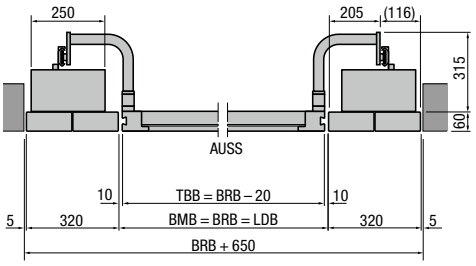




BRH	LSL
≤ 2250	2350
2255 – 2500	2600
2505 – 2750	2850

Fitting in the opening with track application MD





BRH	LSL
≤ 2250	≤ 2250
2255 – 2500	2255 – 2500
2505 – 2750	2505 – 2750

Dimensions in mm

Explanations

BMB	Ordering size width
BMH	Ordering size height
BRB	Nominal size width
BRH	Nominal size height
TBB	Door leaf width
TBH	Door leaf height
LDB	Clear passage width
LDH	Clear passage height
LSL	Track length
PWRB	Impact surface frame width
PWRH	Impact surface frame height
OFF	Finished floor level
AUSS	Exterior
VSP	Reinforcement profile from BRB > / = 4500
Y	Thickness of surface-mounted infill

[1] Y = 12 – 36
[2] LDH with VSP = BRH – 140
[3] LDH with VSP = BRH – 40
[4] LDH with VSP = BRH – 20 (BRH max. 2375)

Note:
BRH max. 2375 mm

For further information, please see the technical manual or contact your Hörmann sales partner.

Everything from a single source for construction and industry

Our large product range offers the right solution for any requirement. All products are are optimally adjusted to work together, ensuring high functional safety. This makes us a strong, future-oriented partner for industrial and public construction projects.

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