

# FLACHDACH AUSSTIEG

Flat roof exits



**CLIMATE NEUTRAL  
PRODUCTS**

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Currently unavoidable emissions compensated  
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**LOW-EMISSION PRODUCTS**  
according to the criteria of



**SENTINEL HAUS  
INSTITUT**

**weilhöfer**  
**TREPPEN AUS WÜRZBURG**  
Made in Germany

# Proven, light, comfortable.

Flat roof exit for Wellhöfer attic stairs

# FLACHDACH AUSSTIEG

- Easy installation without crane
- Integrated rear ventilation
- One-hand operation
- Special sizes for replacement of skylight domes



Flat roof exits

## Dimensions in centimetres

Dimensions		Special sizes
Ceiling opening dimensions (Length x Width)	min. 90 x 60 max. 160 x 80	min. 90 x 90 max. 100 x 100
Construction height	45 - 110	
<b>Floor-to-ceiling heights</b> and type of stairs and add. features determine min. length of opening.		
Floor-to-ceiling height (min. - max.)	190 - 410*	

*So far German only. Sorry for the inconvenience.  
Please use internet browser for translation.*

Order with all 4 dimensions



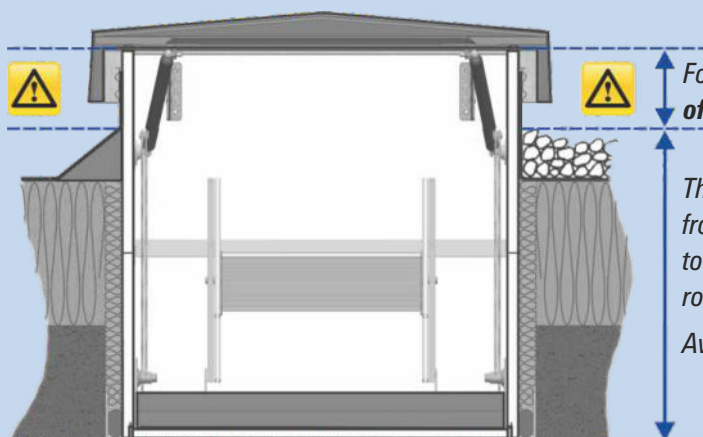
Quick and error-free to the fitting flat roof exit.

Use the configurator:

[www.massbox.de](http://www.massbox.de)

Dimensions are construction site dimensions. Construction height >45 cm: Attic stairs custom-made (casing height). Depending on the type of stairs and in combination with further additional features divergent dimensions may apply. Special sizes only possible in combination with concertina attic stairs Liliput. Ceiling opening dimensions = order dimensions. For installation space, factory-made casing dimensions are 1.5 cm (length/width) smaller.

\* For floor-to-ceiling heights 320 cm and higher the concertina stair type Liliput always require the comfort operation for the stair section.



For fault-free opening and closing, a **roof overhang of 22 cm minimum** is always required.

The **construction height** is measured from the lower edge of the ready-made room ceiling to the upper edge of the finished roof (e.g. filling, green roof, wedge, ...).

Available for **construction heights 45 - 110 cm**.

Fig.: Concertina attic stairs Liliput with thermal protection WS4D and flat roof exit

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# Wellhöfer attic stairs for flat roof exit

GutHolz, AluDrei, StahlBlau and LiliPut as standard with **thermal protection WS3D** (U-value 0.80, air-tightness Class 4, connection system)

Attic stairs overview



Standard sizes							
Ceiling opening dimensions (Length x Width)	110 x 60	120 x 60	130 x 60	140 x 60	90 x 60	100 x 60	
	110 x 70	120 x 70	130 x 70	140 x 70	90 x 70	100 x 70	
Casing height (ceiling thickness)	25						
Custom-made Divergent dimensions with thermal protection WS4D/WSPH, fire protection and flat roof exit.							
Ceiling opening dimensions (Length x Width)	min. 100 x 50			min. 105 x 60		min. 75* x 50	
	max. 160 x 100			max. 160 x 100		max. 160 x 100	
Casing height (ceiling thickness)	17 - 90						
Floor-to-ceiling heights Floor-to-ceiling height, type of stairs and additional features determine the minimum length of the ceiling opening!							
Floor-to-ceiling height (min. - max.)	197 - 360			237 - 314		190 - 410**	

Dimensions are construction site dimensions in centimetres. Divergent dimensions may apply in combination with additional features.  
Ceiling opening dimensions = order dimensions. For installation space, factory-made casing dimensions are 1.5 cm (length/width) smaller.  
\* We recommend a minimum length of at least 90 cm for the ceiling opening, otherwise the clearance will be very narrow!  
\*\* Floor-to-ceiling heights 320 cm and higher always require the comfort operation for the concertina attic stairs LiliPut.

## Additional features Always order together with the attic stairs. Guardrail and handrail retrofittable.

Safety Features for all requirements and demands.				
Guardrail	Tested stability, required by building regulations			
Handrail	Handrail wood GH/SB	AluDrei-Handrail wood	Handrail wood GH/SB	Handrail telescope
Lock	with round cylinder / with profile cylinder / prepared for profile cylinder			
Energy conservation Save more energy with better thermal protection				
Thermal protection WS4D	Double insulation + sealing + connection system. Component tested U-value 0.58			
Thermal protection WSPH	Certified Passive House component for cold climate. Minimized thermal bridges. U <sub>e</sub> 0.48			
Optic & comfort Flush with the ceiling for perfect optics. Increased ease of use.				
Ceiling-flush	Additional lower cover with even surface, white ring eye, plastering profiles, easy-installation system (detachable hatch door)			
Wide cover profiles	55 mm wide, in combination with custom-made attic stairs, as standard with WSPH			
Operation stairs				Comfort operation
Fire protection Incl. certified ceiling connection system for safe installation				
Fire protection FS30	Fire resistance 30 minutes from below			
Fire protection FS30 2S	Fire resistance 30 minutes from top and bottom			
Fire protection FS90 2S	Fire resistance 90 minutes from top and bottom			
Flat roof Safe access to the flat roof				
Flat roof exit	Rear ventilation. One-hand operation. Available for all types of attic stairs and additional features.			

# Wellhöfer - We stand up to our responsibilities

Stairs from Würzburg for more than 70 years

## Health



Our products are often installed in residential buildings, attic stairs usually in the hallway between the bedroom and the children's room. Healthy living is a high priority for us. Our products are tested on low-emission and provide certified sustainability.

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## Environment



We have been self-sufficient in heating for decades and cover our energy needs with photovoltaics. We are permanently working on CO<sub>2</sub> reduction. Currently unavoidable emissions are compensated with climate protection certificates.



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## Social



In 2011 we became part of the over 440 years old Juliusspital Foundation. Since we joined, we have continuously and reliably supported this renowned foundation in its many social tasks (retirement home, hospice, clinic).

# Gutfühlen mit Wellhöfer



**wellhöfer**  
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