

Attic stairs fire protection datasheet



Use configurator: www.massbox.de

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Especially important for fire protection: Dimensions! Completed, fire resistance compliant ceiling opening!

Dimensions in centimetres	FS30	FS30 2S	FS90 2S
Ceiling opening dimensions (Length x Width)	GutHolz/AluDrei min. 104 x 50 StahlBlau min. 110 x 50 Liliput min. 80* x 50 max. 160 x 80	GutHolz/AluDrei min. 104 x 50 StahlBlau min. 110 x 60 Liliput min. 80* x 50 max. 140 x 80	GutHolz/AluDrei min. 105 x 55 StahlBlau min. 110 x 65 Liliput min. 90 x 55 max. 140 x 70
Ceiling thickness = casing height (additional step/s in high casings)	17 - 90	20 - 60 Casing not higher than ceiling thickness!	20 - 50 Casing must match ceiling thickness!
Floor-to-ceiling heights and type of stairs and additional features determine the minimum length of the ceiling opening. Use configurator!			
Floor-to-ceiling height (min. - max.)	GutHolz/AluDrei 197 - 358 StahlBlau 237 - 312 Liliput 190 - 410**	GutHolz/AluDrei 197 - 342 StahlBlau 237 - 312 Liliput 190 - 410**	GutHolz/AluDrei 197 - 326 StahlBlau 237 - 312 Liliput 190 - 410**

Dimensions are construction site dimensions. Depending on the type of stairs and with further additional features divergent dimensions may apply.

Ceiling opening dimensions = order dimensions. For installation space, factory-made casing dimensions are 1.5 cm (length/width) smaller.

Depending on the ceiling thickness, type of stairs and additional features, Wellhöfer installs EN compliant additional step/s in high casings.

* We recommend a minimum length of at least 90 cm for the ceiling opening, otherwise the clearance will be very narrow!

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

Additional feature fire protection FS Always in combination with Wellhöfer attic stairs

Component tested as installed system: Attic stairs and ceiling connection, installation gap up to a maximum of 20 mm width, combination with thermal protection. Installation in fire-protected ceiling openings in wooden beam ceilings, solid ceilings and suspended ceilings. Incl. FS installation kit (all required installation materials) and tested connection system for dry installation.

- **Fire protection FS30** Fire resistance **30 minutes from below** (DIN 4102-2) **EI,30** (ÖNORM B 3860)
- **Fire protection FS30 2S** Fire resistance **30 minutes from top and bottom** (DIN 4102-2)
- **Fire protection FS90 2S** Fire resistance **90 minutes from top and bottom** (DIN 4102-2)

Frame: 18 mm multifunction board with circumferential retardation strip, foil-coated, white, suited for load-bearing purposes in moist areas (EN 13986-P5)
Attic hatch door: 19 mm chipboard B1; 16 mm chipboard E1, melamine resin-coated, white, ABS furniture edge with retardation strips
Braid: Fire class B1, hardly flammable
Cover profiles: Plastic, white, on mitre
Thermal protection WS3D as standard, WS4D / WSPH optionally

Frame: 2x 6,5 mm multiplex board with 6 mm silicate fire protection board in sandwich; externally 2x circumferential retardation strips; corner reinforcement with external aluminium brackets
Attic hatch door: 16 + 19 mm chipboards B1, melamine resin-coated, white, edges with retardation strips; 2x locking bolts
Braids: 2x; Fire class B1, hardly flammable
Cover profiles: Plastic, white, on mitre
Thermal protection WS3D as standard

Frame: 2x 12 mm silicate fire protection boards with 18 mm multifunction board in sandwich; externally 2x circumferential retardation strips
Attic hatch door: 2x 16 mm chipboard B1, melamine resin-coated, white, with 25 mm calcium silicate board in sandwich, edges with retardation strips; 2x locking bolts
Braids: 2x; Fire class B1, hardly flammable
Cover strips top: Fire class A1
Cover profiles: Plastic, white, on mitre
Thermal protection WS3D as standard

Important: Execution of the ceiling opening

The ceiling opening on site must satisfy the fire resistance requirements:

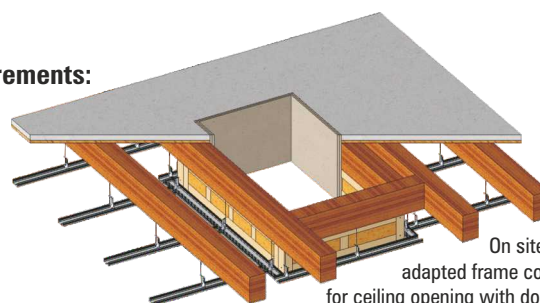
- All-round and on the complete finished ceiling thickness
- If required, replacement with frame construction on the underside adapt to the thickness of the finished ceiling

The clear dimensions of the completed, fire resistance compliant ceiling opening, together with the floor-to-ceiling height, provide the 4 order dimensions for the attic stairs.

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On site example: adapted frame construction for ceiling opening with double-sided fire protection from top and bottom FS 2S.