








OTHER PRODUCTS

MILLER STAIRCASES						
MSP	MSP-W	MSP-W	MSU	MSA	MSS	MSW
						

- The **MSP** leaning staircase made of **spruce wood and designed for DIY installation** is ideal for mezzanines and rooms with very limited space, where it is necessary to fold away the ladder when the staircase is not in use.




- The **MSP** staircase comes in two colour versions - **white (MSP-W) and black (MSP-C)**.

- The **MSU** straight staircase can be used for more spacious rooms.

- The **MSA** alternating tread staircase thanks to its design occupies very little space inside the room.

- The **MSS** staircase is a larger counterpart of the MSU.

- For more spacious rooms in which the inconvenient positioning of the walls excludes the use of straight staircases it is possible to use the **MSW winder (left or right)** in conjunction with the MSS staircase.

L-SHAPED COMBINATION DOORS		
INSULATED	HIGHLY-INSULATED	FIRE-RESISTANT
DWK	DWT	DWF
U=1.1 W/m²K	U=0.6 W/m²K* 4th class tightness as per 12207*	U=0.64 W/m²K* 4th class tightness as per 12207* EI,45
		


L-shaped combination doors ensure access to non-habitable space located behind a knee wall or under stationary staircase.

- Insulated DWK door with a 3.6cm thick sash.
- Highly-insulated DWT door with a 6.6cm thick sash.
- Fire-resistant DWF door which in addition to excellent thermal insulation performance ensure fire resistance (EI1=45 fire classification as per 13501-2) and high tightness.

*Manufacturer's internal calculations.

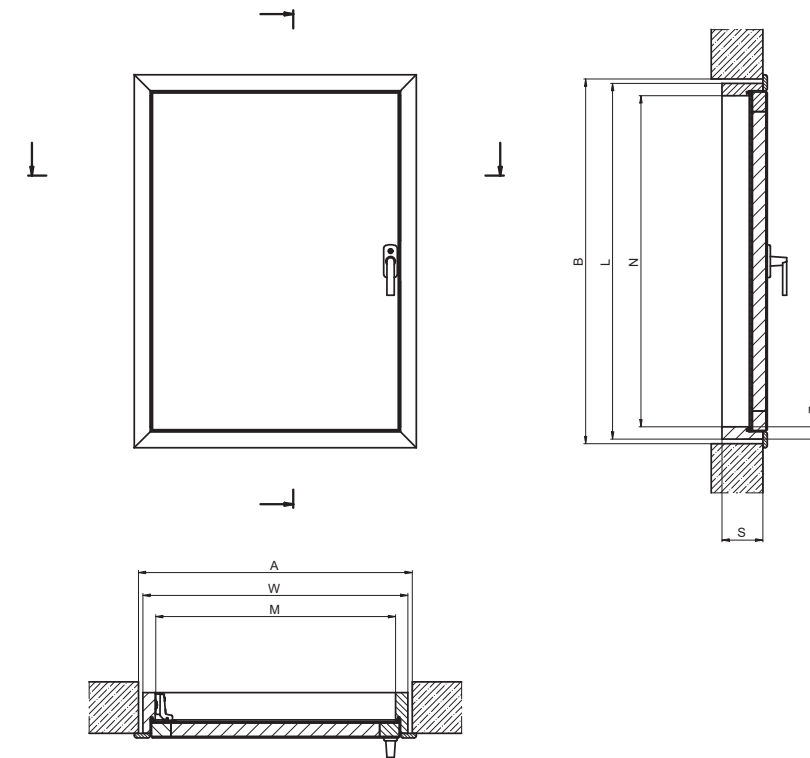
TECHNICAL SPECIFICATION

DWK L-SHAPED COMBINATION DOOR

TYPE	DWK
	
I. APPLICATION	
Installation	- fully assembled product - ready for quick installation in the ceiling
II. FEATURES	
Sash structure	Frame made of pinewood clad on both sides with HDF board and filled inside with insulation material
Sash colour	white
Opening	right or left side
Closing	universal handle with a lock
Seal	rubber
Finishing trims	3.5cm wide wooden in a natural colour
III. TECHNICAL PARAMETERS	
Heat transfer coefficient U*	1,1 W/m ² K
Thermal insulation thickness	3 cm
Sash thickness	3.6 cm
Fire-resistance	-
Warranty	3 years

* manufacturer's internal calculations

IV. DIAGRAM






V. DOOR DIMENSIONS

Opening dimensions [cm]	AxB	55x80	60x80	60x100	60x110	70x90	70x100	70x110
Door dimensions [cm]	WxL	53.4x78.4	58.4x78.4	58.4x98.4	58.4x108.4	68.4x88.4	68.4x98.4	68.4x108.4
Internal frame dimensions [cm]	MxN	48x73	53x73	53x93	53x103	63x83	63x93	63x103
Frame width [cm]	S	9						
Frame thickness [cm]	Z	2.7						

TECHNICAL SPECIFICATION

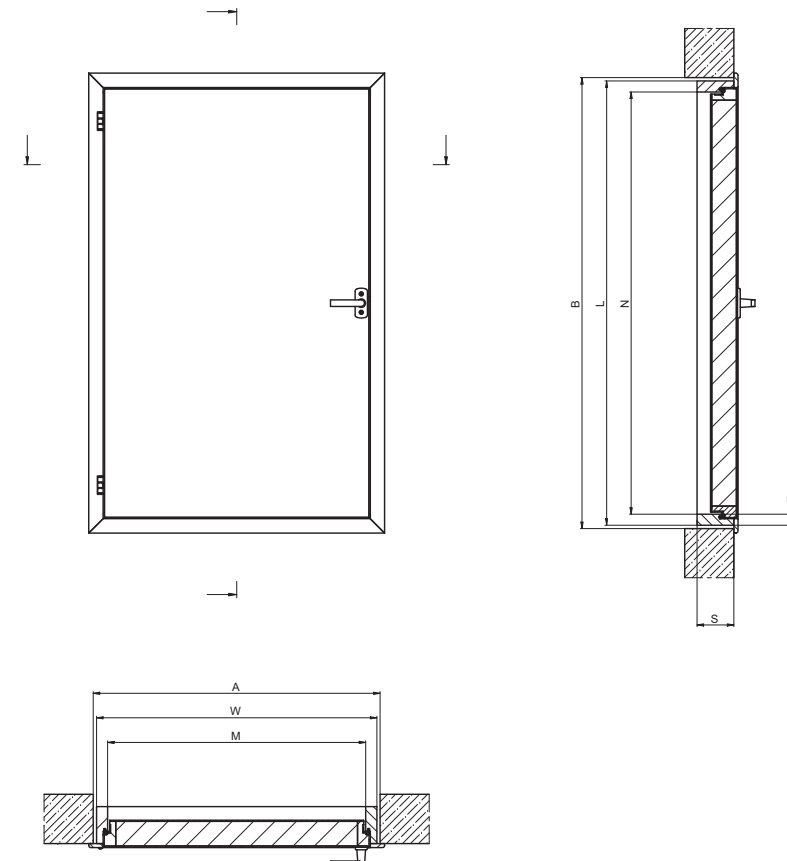
DWF, DWT

L-SHAPED COMBINATION DOOR








TYPE	DWF	DWT
	  <p>Compliant with EN13501-2</p>	
	FIRE-RESISTANT	INSULATED
I. APPLICATION		
Installation	- fully assembled product - ready for quick installation in the ceiling	- fully assembled product - ready for quick installation in the ceiling
II. FEATURES		
Sash structure	Frame made of pinewood clad on both sides with HDF board and filled inside with insulation material	
Sash colour	white	
Opening	right or left side	
Closing	universal handle with a lock	
Seal	rubber and seal increasing its volume under the influence of high temperature	rubber
Finishing trims	3,5cm wide wooden in a natural colour	
III. TECHNICAL PARAMETERS		
Heat transfer coefficient U*	0.64 W/m ² K	0.6 W/m ² K
Thermal insulation thickness	6 cm	6 cm
Sash thickness	6.6 cm	6.6 cm
Fire-resistance	E1=45min	-
Warranty	3 years	

* manufacturer's internal calculations

IV. DIAGRAM



V. DOOR DIMENSIONS

Opening dimensions [cm]	AxB	55x80	60x80	60x100	60x110	70x90	70x100	70x110
								
Door dimensions [cm]	WxL	53.4x78.4	58.4x78.4	58.4x98.4	58.4x108.4	68.4x88.4	68.4x98.4	68.4x108.4
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