

TECHNICAL SPECIFICATION

LOFT LADDER LSF



I. APPLICATION

The LSF scissor loft ladder designed for use in residential buildings and to be built in the ceiling opening to provide access to the attic spaces.

The scissor structure of the ladder allows for easy adjustment of the loft ladder to the room height. The loft ladder comes with quick installation system which facilitates and speeds up installation process of the product in the ceiling. The LSF loft ladder with its intended use in fire-resistant ceilings provide 60-minute protection against fire penetration to a higher floor free from fire.

II. STRUCTURE

No.	Element	Description
1	Hatch	Insulated hatch with a thickness of 5.6 cm. Thermal insulation thickness: 3 cm. Finished with sheet metal – white from the outside and grey from the inside. Lock.
2	Box	Metal box integrated with architrave lining. Height: 14cm.
3	Ladder	Metal. Scissor system of folding the ladder. Width: 34cm for a size of 50x.... 36cm for a size of 60x.... 44cm for a size of 70x.... Distance between treads: 25 – 30 cm.
4	Treads	Metal. Anti-slip profile. Tread width: 8 cm Tread length: 30cm for a size of 50x.... 32cm for a size of 60x.... 40cm for a size of 70x....
5	Standard accessories	Quick installation system. Metal architrave lining. Control rod for opening a hatch.

III. SIZES

No.	Size	Room height
1	50 x 70 cm	270-300 cm
2	60 x 90 cm	
3	60 x 120 cm	
4	70 x 80 cm	
5	70 x 90 cm	
6	70 x 110 cm	
7	70 x 120 cm	

IV. TECHNICAL PARAMETERS

Description	Value	Standard
Maximum loading	200 kg	EN 14975+A1:2010
Hatch transfer coefficient	$U = 1.8 \text{ W/m}^2\text{K}^*$	PN-EN 10077-2
Fire resistance	El ₁ /El ₂ 60	ČSN 73 0810 / EN 13501-2

V. COMPATIBLE ACCESSORIES

Name	Comments
LSS tread	It allows to extend the ladder up to a height of 320cm The LSS tread must be adjusted depending on the loft ladder width: LSS-30 for loft ladder with a width of 50cm LSS-32 for loft ladder with a width of 60cm LSS-40 for loft ladder with a width of 70cm



Accessories compatibility table:



* manufacturer's internal research

VI. TECHNICAL SPECIFICATION

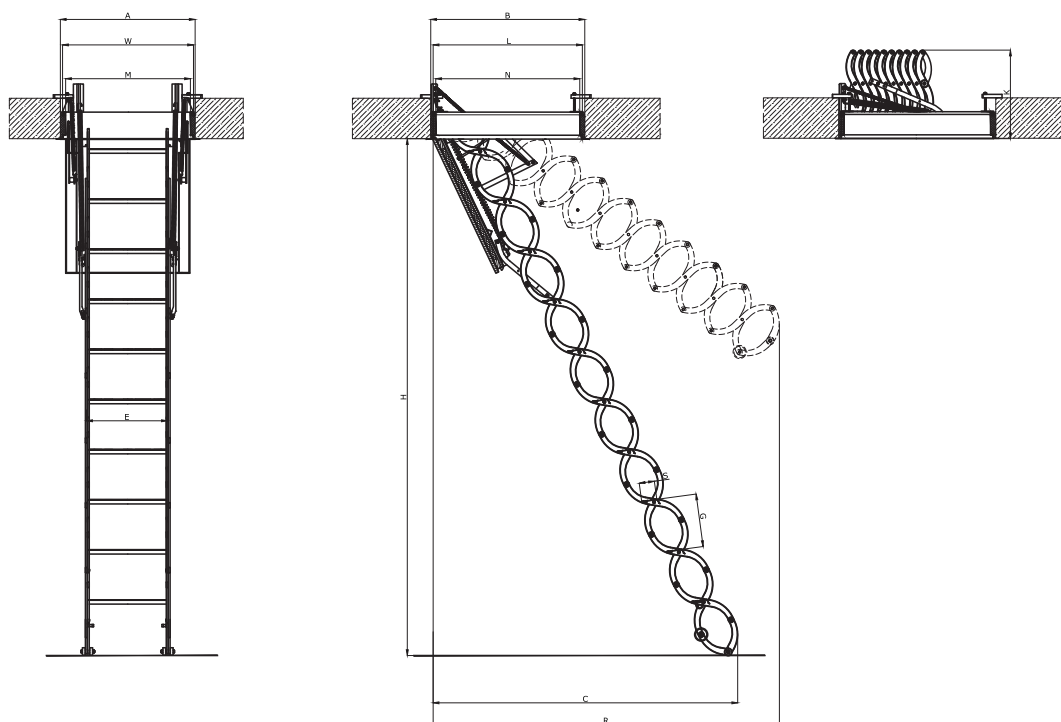
The LSF loft ladder is delivered to the customer fully assembled.

The product is mounted by means of the included installation brackets (maximum ceiling thickness 21cm).

The loft ladder should be installed in the load-bearing structure with a fire-resistance at least equal to a fire-resistance of the loft ladder.

Installation of the loft ladder must be carried out in accordance with the included fitting instructions.

VII.DETAILED DIMENSIONS



LSF

		Ladder standard length						
Ceiling opening dimensions [cm]	AxB	50x70	60x90	60x120	70x80	70x90	70x110	70x120
Room height [cm]	H	270 – 300						
Outside box dimensions [cm]	WxL	48x68.5	58x88.5	58x118.5	68x78.5	68x88.5	68x108.5	68x118.5
Inside box dimensions [cm]	MxN	44.8x64.8	54.8x84.8	54.8x114.8	64.8x74.8	64.8x84.8	64.8x104.8	64.8x114.8
Folded loft ladder height [cm]	K	46						
Swing space [cm]	R	170 – 180						
Distance after ladder unfolding [cm]	C	165 – 130						
Box height [cm]		14						

LADDER PARAMETERS

Tread length [cm]	E	30	32	40
Tread width [cm]	S	8		
Distance between treads [cm]	G	25 – 30		
Standard number of treads [unit]		10		
Compatible LSS tread		LSS-30	LSS-32	LSS-40

Ladder shorter by 1 tread (9 treads)		Standard ladder (10 treads)		Ladder longer by 1 tread (11 treads)	
240	270	270	300	300	320
Loft ladder sizes and dimensions not included in the table are the same as for loft ladders for a height up to 270 – 300 cm					
165	165	170	180	185	210
100	140	165	130	120	140