

FIRE-RESISTANT SECTION  
LOFT LADDER

**LMF**



The LMF Loft ladders protect (for a period of 120min) against fire and smoke entering from one side of the ladder to the other, helping to prevent the fire from spreading.



## **Fire-resistance $EI_2 = 120\text{min}$**

*special hatch structure and the materials used for manufacturing prevent (during 120min) the smoke and fire from spreading to the upper or lower fire free story.*



## **Robust structure**

*the use of double hinge structure guarantees high durability of the LMF ladder. Maximum permissible loading 200kg.*



## **maximum comfort of use**

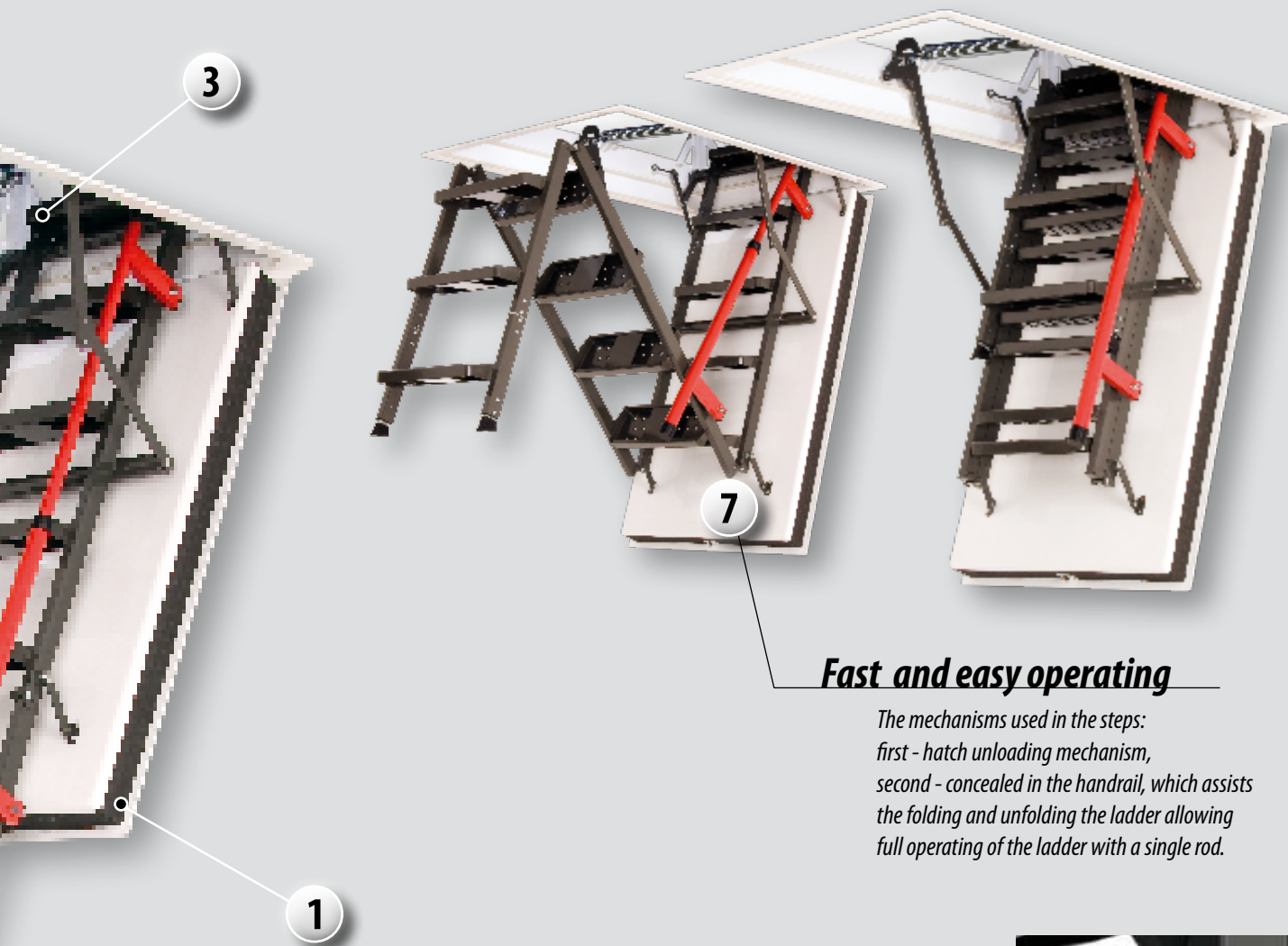
*to ease entering the loft, an additional step is installed in the ladder's frame, thus reducing the distance between the last steps of the ladder and the floor of the attic.*



## **QUICK INSTALLATION**

*the lining slats integrated with a steel support frame and quick installation brackets simplify the fitting and reduce the time needed to set the ladder in the ceiling.*



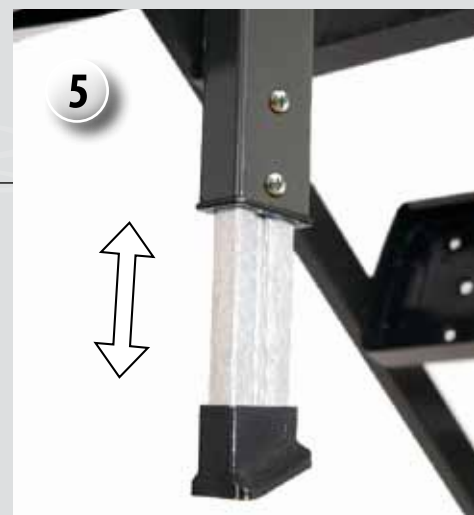


### ***Fast and easy operating***

The mechanisms used in the steps:  
first - hatch unloading mechanism,  
second - concealed in the handrail, which assists  
the folding and unfolding the ladder allowing  
full operating of the ladder with a single rod.

### ***Easy adjustment of the ladder's length to the room height***

Telescopic legs allow for quick  
adjustment of the ladder's length to  
the height of the room without the  
necessity of cutting to length.



### ***Technical specification***

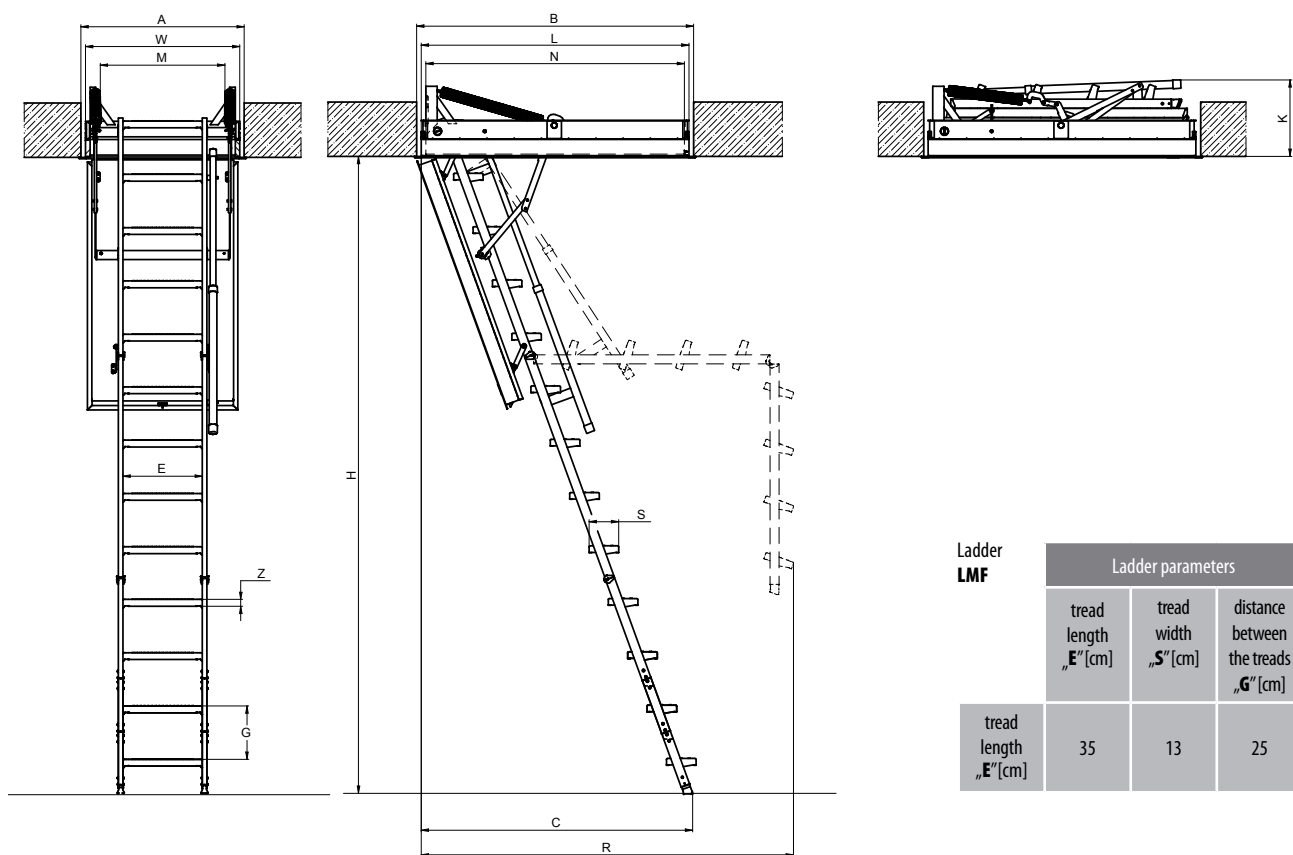
maximum loading	200 kg
fire resistance EI <sub>2</sub>	120 min
fire resistance EI <sub>1</sub>	60 min
ladder width	39cm
tread width	13 cm
tread length	35 cm
distance between the treads	25 cm
insulation thickness	8 cm
hatch thickness	8.2 cm

### ***Wide non-slip treads***

the circular pressed openings on the surface  
of the wide treads (13cm) helps prevent  
the foot slipping while using the ladder.



## LMF ladder diagram



Ladder  
**LMF**

	Ladder parameters		
	tread length „E” [cm]	tread width „S” [cm]	distance between the treads „G” [cm]
tread length „E” [cm]	35	13	25

## LMF Loft ladder dimensions

	LMF 60x120	LMF 70x120	LMF 70x130	LMF 70x140	LMF 86x130	LMF 70x130	LMF 70x140	LMF 86x130
Room height „H” [cm]	280					305		
Ceiling opening dimensions („A”sz. x dł.”B”) [cm]	60 x 120	70 x 120	70 x 130	70 x 140	86 x 130	70 x 130	70 x 140	86 x 130
Box external dimensions („W”sz. x dł.”L”) [cm]	59 x 118	68 x 118	68 x 128	68 x 138	84 x 128	68 x 128	68 x 138	84 x 128
Internal box dimensions („M”sz. x dł.”N”) [cm]	45.4 x 114	54.4 x 114	54.4 x 124	54.4 x 134	70.4 x 124	54.4 x 124	54.4 x 134	70.4 x 124
Folded ladder height „K” [cm]	34							
Swing space „R” [cm]	165					176		
Distance after ladder unfolding „C” [cm]	120					129		
Frame height [cm]	16							
Standard number of treads [units]	13					14		