



SMART ATTIC
LADDERS

2017/2018

MODELS & APPLICATIONS OF FAKRO ATTIC LADDERS

- GENERAL INFORMATION

Folding attic ladders enable safe and easy access to non-inhabited spaces without the need for installing costly and space consuming staircases. FAKRO folding attic ladders satisfy all technical and safety requirements while maximizing ease of use and comfort.

FAKRO offers many attic ladder models to cover all individual customers' needs around the world. We deliver some of these models to North America for almost immediate delivery to our customers.

These attic ladders were designed to satisfy your needs and protect your comfort with a long-term warranty program. Our installation system enables the ladder to be easily installed by one or two people and provides easy ladder toe space and height adjustment.

All minimum ceiling heights are recommended by the manufacturer. The customer agrees to indemnify the manufacturer and FAKRO, and hold them harmless from any liabilities that may arise from any further adjustments that the customer may make/alter beyond the recommended minimum ceiling height.

WOODEN FOLDING ATTIC LADDERS			
LWN	LWP	LWT	LWF
			 
non-insulated	insulated R-value: 5.9	thermo R-value: 12.5	insulated R-value: 9.5 fire rated 30min
			
			
page 6	page 8	page 10	page 12

Technical data

Insulation thickness	—	1 1/8"	2 7/8"	2 7/8"						
Box height	4 3/8"	5 1/2"	8 5/8"	8 5/8"						
System of quick installation in the ceiling	—	—	—	—						
Step width	3 1/8"	3 1/8"	3 1/8"	3 1/8"						
Ceiling height	Maximum (standard)	8'11"	10'1"	8'11"	10'1"	8'11"	10'1"	8'11"	10'1"	
	Minimum ¹	7'5"	7'10"	7'5"	7'10"	8'8 1/2"	7'5"	7'8"	7'2"	7'11"
	With additional steps LSS ²	—	—	—	—	—	—	—	—	—

¹ CAUTION! for rooms lower than maximum height it is necessary to adjust the ladder length according to fitting instructions

² while ordering LSS step – the ladder commercial size and type has to be provided

Our North American customers may choose from high quality attic ladders of two different types:

FOLDING (wood or metal)







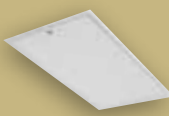






- Basic wooden model – **LWN** (for barns, non-insulated garages, projects with limited insulation requirements, not recommended for inside houses, etc.)
- Insulated and sealed wooden model – **LWP** (for garages, inside houses, projects with insulation requirements, etc.)
- Insulated and sealed thermo wooden model – **LWT** (for areas with saving energy requirements and customers who like quality and saving)
- Insulated and sealed fire rated wooden model – **LWF** (for building codes require fire protections, etc.)
- Basic metal model – **OWM** (for barns, non-insulated garages, projects with limited insulation requirements, not recommended for inside houses, etc.)
- Insulated and sealed metal model – **LMS** (for garages, inside houses, projects with insulation requirements, etc.)

- Insulated metal model – **LML** (for garages, inside houses, projects with insulation requirements and wide steps, etc.)

SCISSOR (metal)

- Insulated and sealed scissor metal model – **LST** (for garages, inside houses, projects with insulation requirements, etc.)
- Insulated fire rated scissor metal model – **LSF** (for building codes require fire protections, etc.)

Please look at the specific pages for more information on chosen model.

METAL FOLDING ATTIC LADDERS						METAL SCISSOR ATTIC LADDERS			
OWM		LMS		LML		LST		LSF	
									
non-insulated		insulated R-value: 5.2		insulated R-value: 5.2		insulated R-value: 5.2		fire rated EI₂ 60 min	
									
									
page 16		page 18		page 20		page 24		page 26	

—		1 1/8"		1 1/8"		1 1/8"		1 1/8"	
4 1/2"		5 1/2"		12 1/4"		7 5/8"		5 1/2"	
—		—		+		+ self-assembling		+	
3 3/8"		3 3/8"		5 1/8"		3 3/8"		3 3/8"	
8'11"	10'1"	8'11"	10'1"	9'2 1/4"	10'	9'2 1/4"	9'10"	9'10"	9'10"
7'2"	7'11"	7'2"	7'11"	7'7 3/4"	8'4 3/4"	7'6 1/2"	7'10 1/2"	7'10 1/2"	7'10 1/2"
—		—		—		9'2 1/4"–10'10"		9'10"–10'6"	

WOODEN FOLDING ATTIC LADDERS



BOX

The ladder box frame is made of wood. Wooden frame for insulated models contains a peripheral gasket situated within the milled section of the box. Once the hatch is closed this gasket ensures proper tightness of the entire unit. Specially designed frame allows fast and convenient trim installation.

HATCH UNLOADING MECHANISM

Operation of the attic ladder is **significantly improved** because of FAKRO's unique opening mechanism. Once unlocked, the hatch opens slowly without any potential danger to the user. Once fully opened, this mechanism will hold the hatch in position, preventing it from slamming shut. **No sudden movements.**

HARDWARE

The patented corner hinge or spring catch reinforces the rigidity of the box and helps maintain square corners.

Thanks to this, the box is not affected by deformations and can be operated trouble free once installed. The ladder hinges joining each of the ladder sections provide rigidity to moving connections.

HATCH

The attic ladder hatch can be non-insulated (made of particle board), insulated (sandwich type) or fireproofed. The applied thermal insulation protects against heat loss and - in fire rated attic ladders - also against significant heat transfer during fire.

STEPS

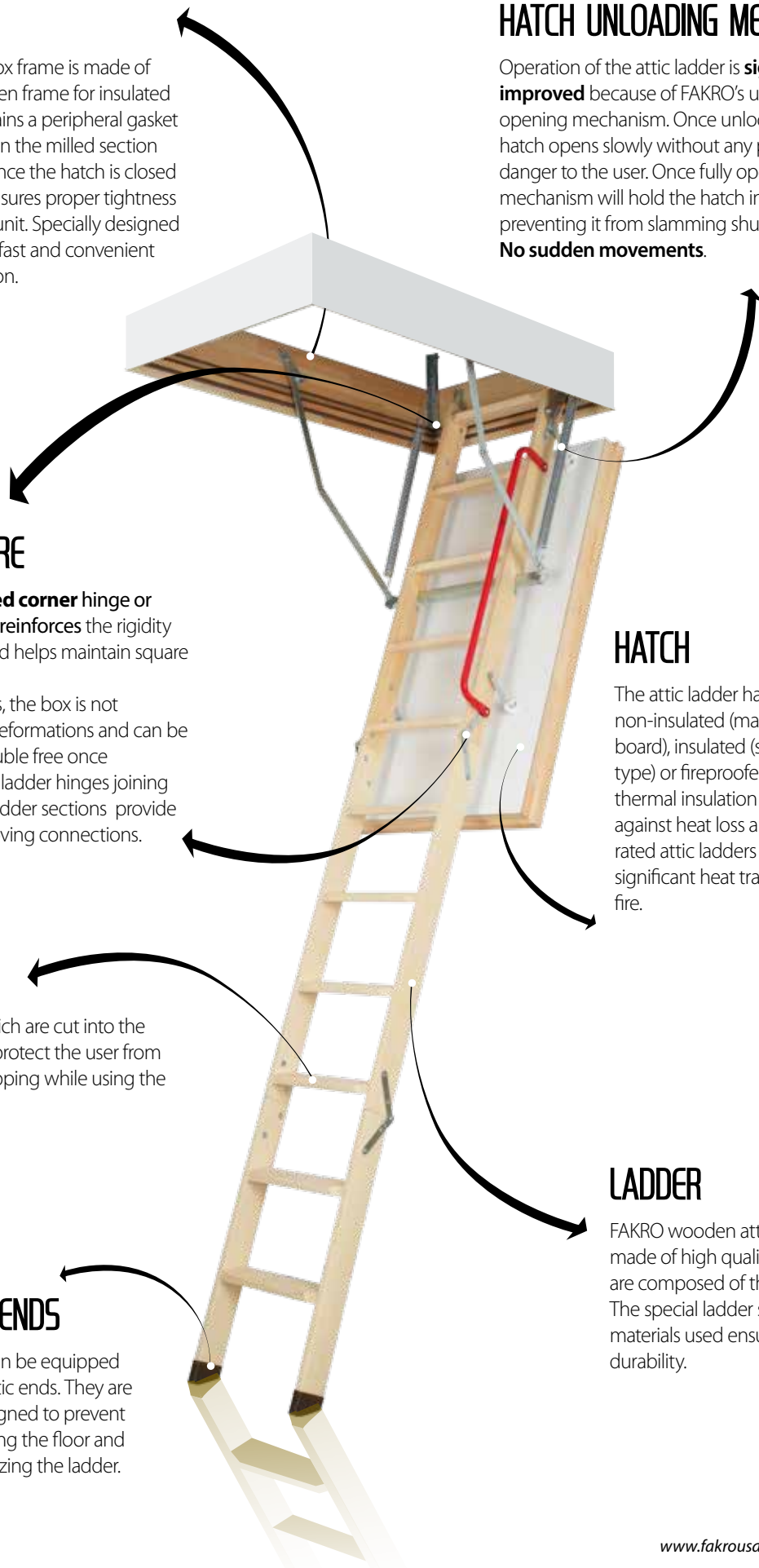
Grooves which are cut into the step surface protect the user from accidental slipping while using the ladder.

LADDER

FAKRO wooden attic ladders made of high quality pine wood are composed of three sections. The special ladder structure and materials used ensure it's high durability.

PLASTIC ENDS

The ladder can be equipped with the plastic ends. They are specially designed to prevent from scratching the floor and to help stabilizing the ladder.



WOODEN FOLDING ATTIC LADDER

NEW!

LWN

NON-INSULATED



The **LWN** is a basic attic ladder model that is ideal for occasion use in areas where an insulated attic ladder is not needed. The particle board hatch door is paintable to match any ceiling colour. Springs are located parallel to the door making entry to the attic wider and more comfortable. The door is well balanced; no sudden movements.

FEATURES



beige hatch – string



non-slip steps



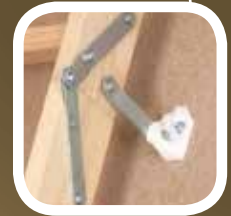
simple installation



additional accessories available - pages 29-31



1 year warranty

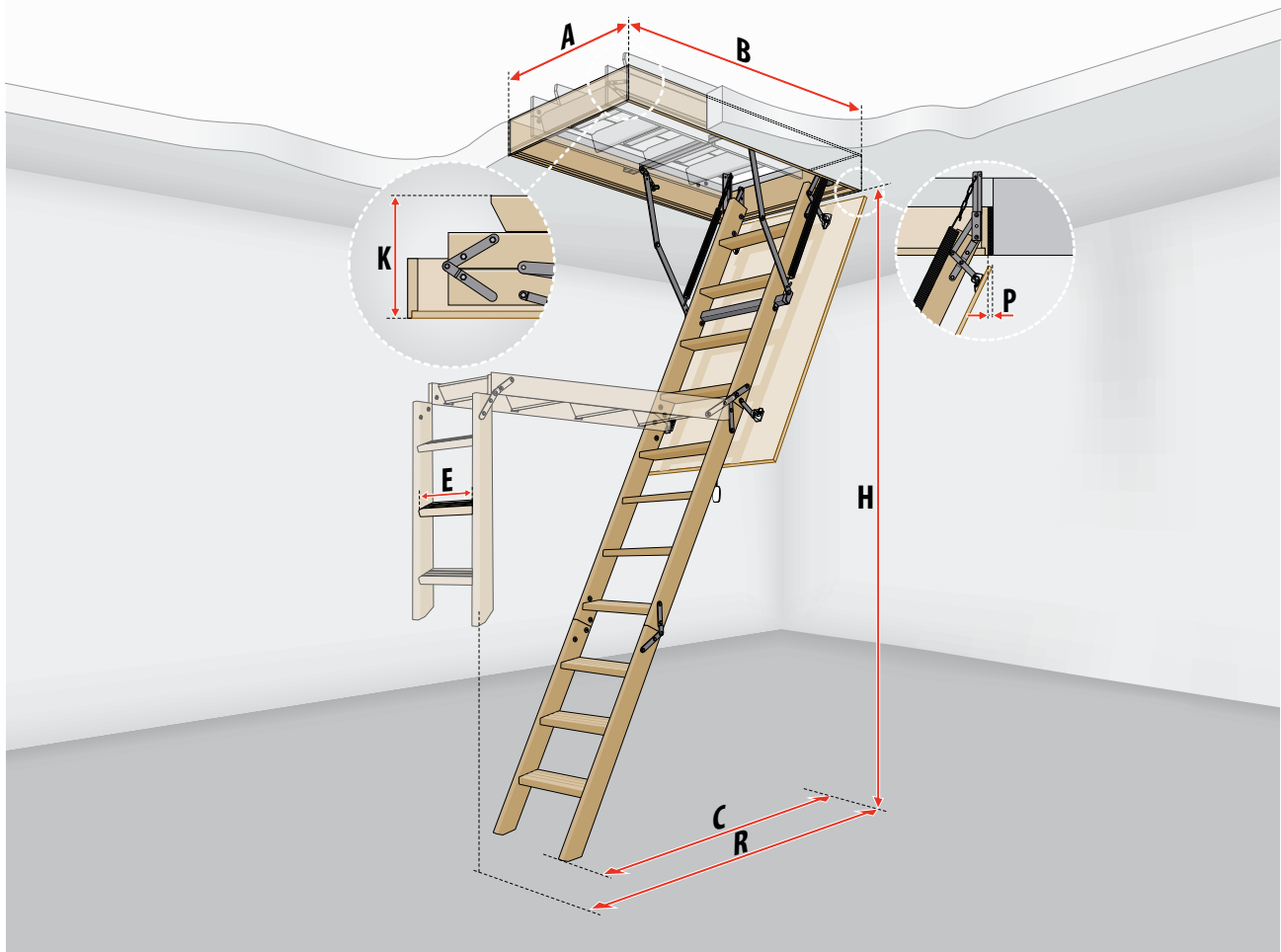


Detachable door from „click fasteners“ for quick one-person installation.

Technical specification:

maximum loading: 250 lbs

hatch thickness: 3/8"



ATTIC LADDER DIMENSIONS

LWN		22½x47	25x47	22½x54	25x54	30x54
Manufacturer's part number		66847	66848	66849	66850	66851
Ceiling height	H	7'5" - 8'11"		7'10" - 10'1"		
Rough opening	AxB	22½"x47"	25"x47"	22 ½"x54"	25"x54"	30"x54"
Outside frame dimensions		22"x46 ⅝"	24½"x46 ⅝"	22"x53½"	24½"x53½"	29½"x53½"
Internal frame dimensions		20½"x44 ⅞"	23"x44 ⅞"	20½"x51¾"	23"x51¾"	28"x51¾"
Projection	R	64½"		72"		
Landing space	C	57½"		64"		
Folded ladder height	K	13¾"		17"		
Board movement after opening	P	¼"				
Frame height		4 ⅜"				
Approx. Weight (lbs)		49	53	56	59	65

Step length	E	13¼"
Step width		3⅜"
Step thickness		⅞"
Distance between steps		9 ⅞"

Available only in sizes given above.

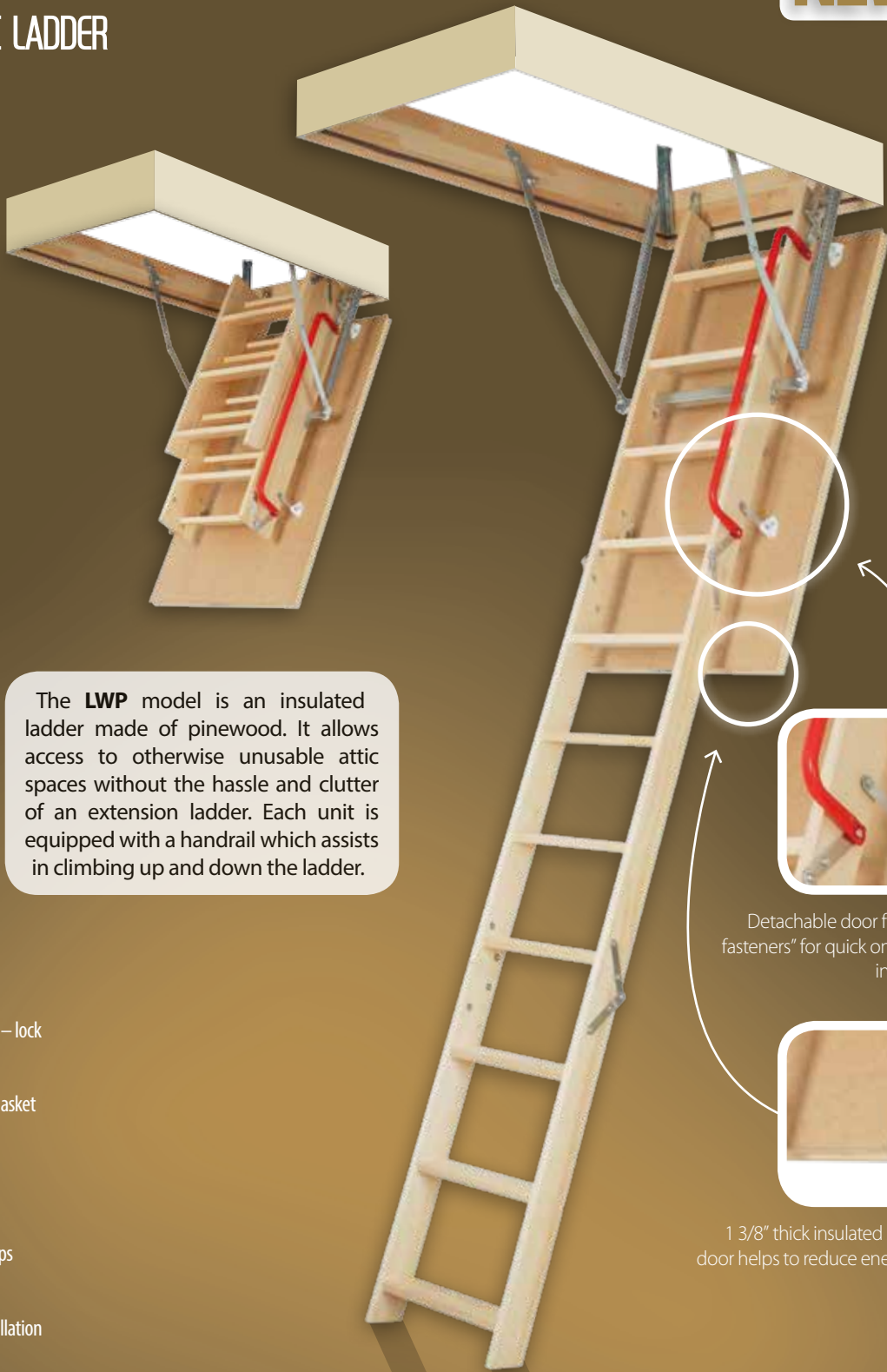
WOODEN FOLDING ATTIC LADDER

NEW!

LWP
INSULATED

5.9
R-value

max
300
lbs



The **LWP** model is an insulated ladder made of pinewood. It allows access to otherwise unusable attic spaces without the hassle and clutter of an extension ladder. Each unit is equipped with a handrail which assists in climbing up and down the ladder.



Detachable door from „click fasteners“ for quick one-person installation.



1 3/8" thick insulated sandwich door helps to reduce energy costs.

FEATURES



beige hatch – lock



peripheral gasket



handrail



non-slip steps



simple installation



additional accessories available - pages 29-31



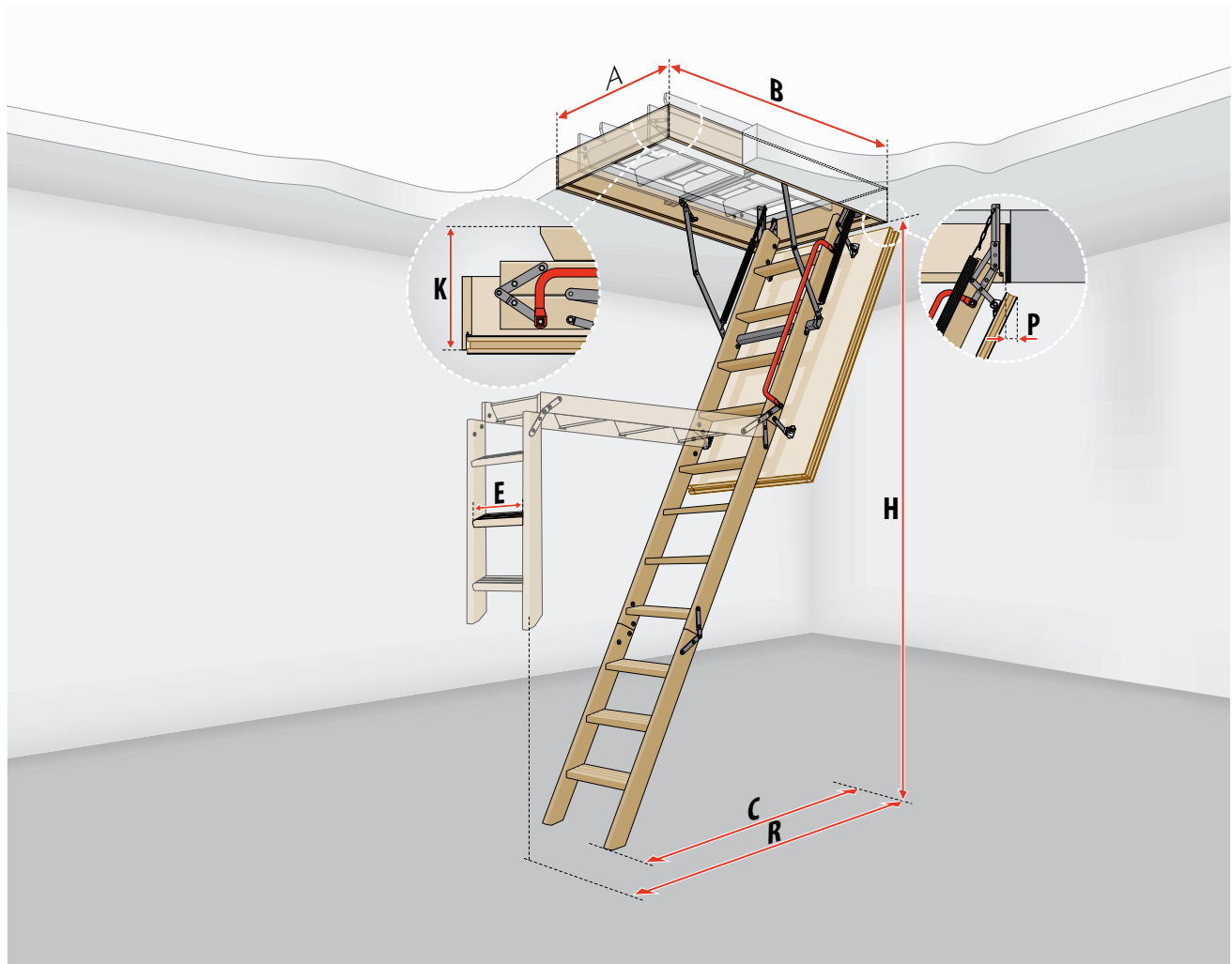
2 year warranty

Technical specification:

- maximum loading: 300 lbs**
- R-value: 5.9**
- insulation thickness: 1 1/8"**
- hatch thickness: 1 3/8"**

fully assembled and ready for quick installation in the ceiling





ATTIC LADDER DIMENSIONS

LWP		22½x47	25x47	22½x54	25x54	30x54	22½" x 54	25x54	30x54			
Manufacturer's part number		66801	66802	66803	66804	66809	66853	66854	66855			
Ceiling height	H	7'5" - 8'11"			7'10" - 10'1"			8'8½" - 10'8"				
Rough opening	AxB	22½"x47"	25"x47"	22½"x54"	25"x54"	30"x54"	22½"x54"	25"x54"	30"x54"			
Outside frame dimensions		22"x46¾"	24½"x46¾"	22"x53½"	24½"x53½"	29½"x53½"	22"x53½"	24½"x53½"	29½"x53½"			
Internal frame dimensions		20½"x44⅞"	23"x44 ⅞"	20 ½"x51¾"	23"x51¾"	28"x51¾"	20½"x51¾"	23"x51¾"	28"x51¾"			
Projection	R	64½"			72"			75"½"				
Landing space	C	57½"			64"			65"½"				
Folded ladder height	K										10¾"	
Board movement after opening	P										1¼"	
Frame height											5½"	
Approx. Weight (lbs)		59	60	67	70	75	71	74	79			

Step length	E	13¼"
Step width		3⅞"
Step thickness		7⁄8"
Distance between steps		9⅞"

Available only in sizes given above.

WOODEN FOLDING ATTIC LADDER

NEW!

**LWT
THERMO**

12.5
R-value

max
300
lbs



The **LWT** attic ladder model is a super-thermo insulated unit recommended for projects which stress energy-saving, especially due to heat loss. The LWT is an ideal unit for creating a barrier between a cool attic and the heated space below.

FEATURES



white hatch – lock



plastic ends



3 gaskets



non-slip steps



handrail



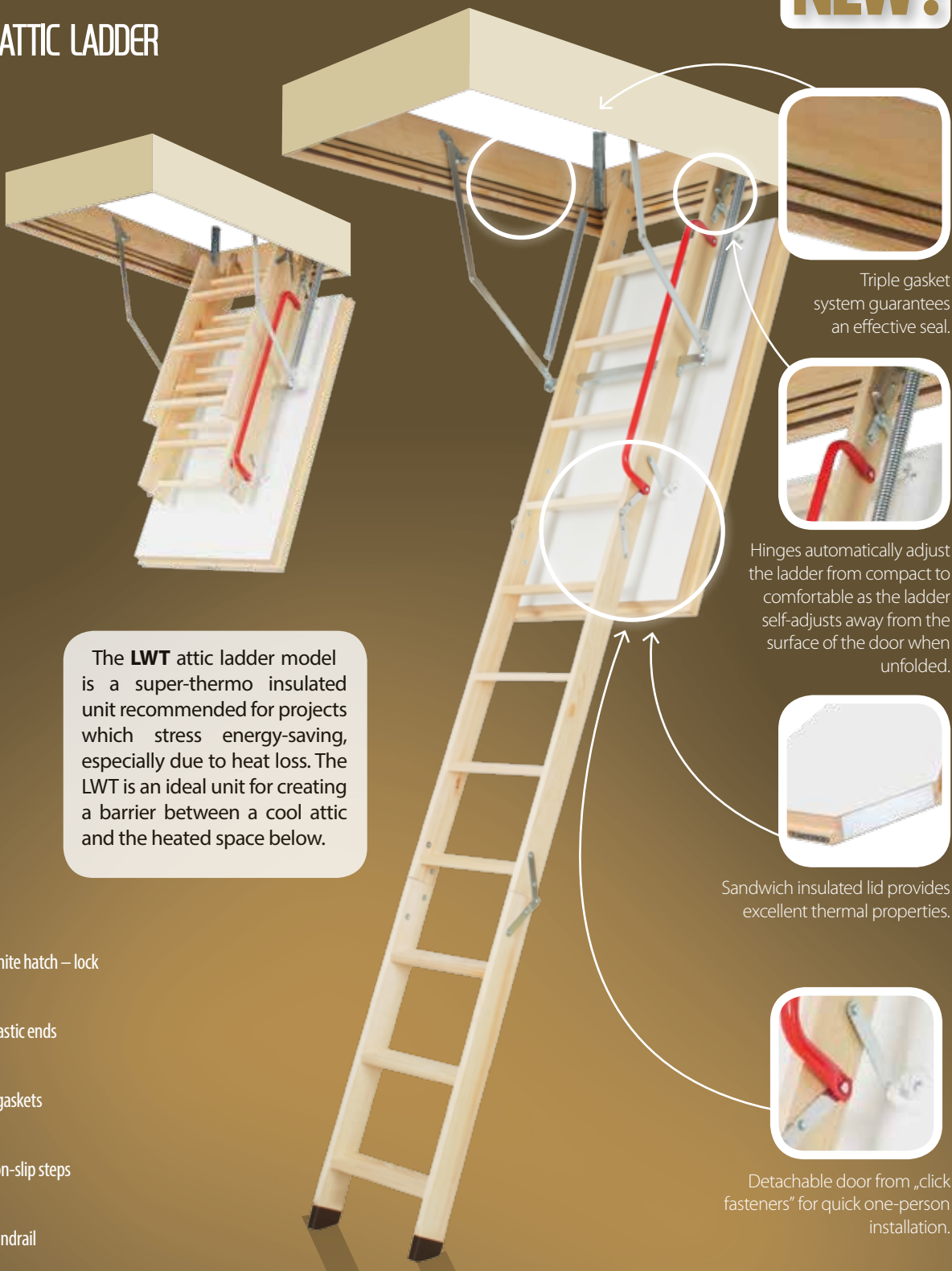
simple installation



additional accessories available - pages 29-31



2 year
warranty



Triple gasket system guarantees an effective seal.



Hinges automatically adjust the ladder from compact to comfortable as the ladder self-adjusts away from the surface of the door when unfolded.



Sandwich insulated lid provides excellent thermal properties.

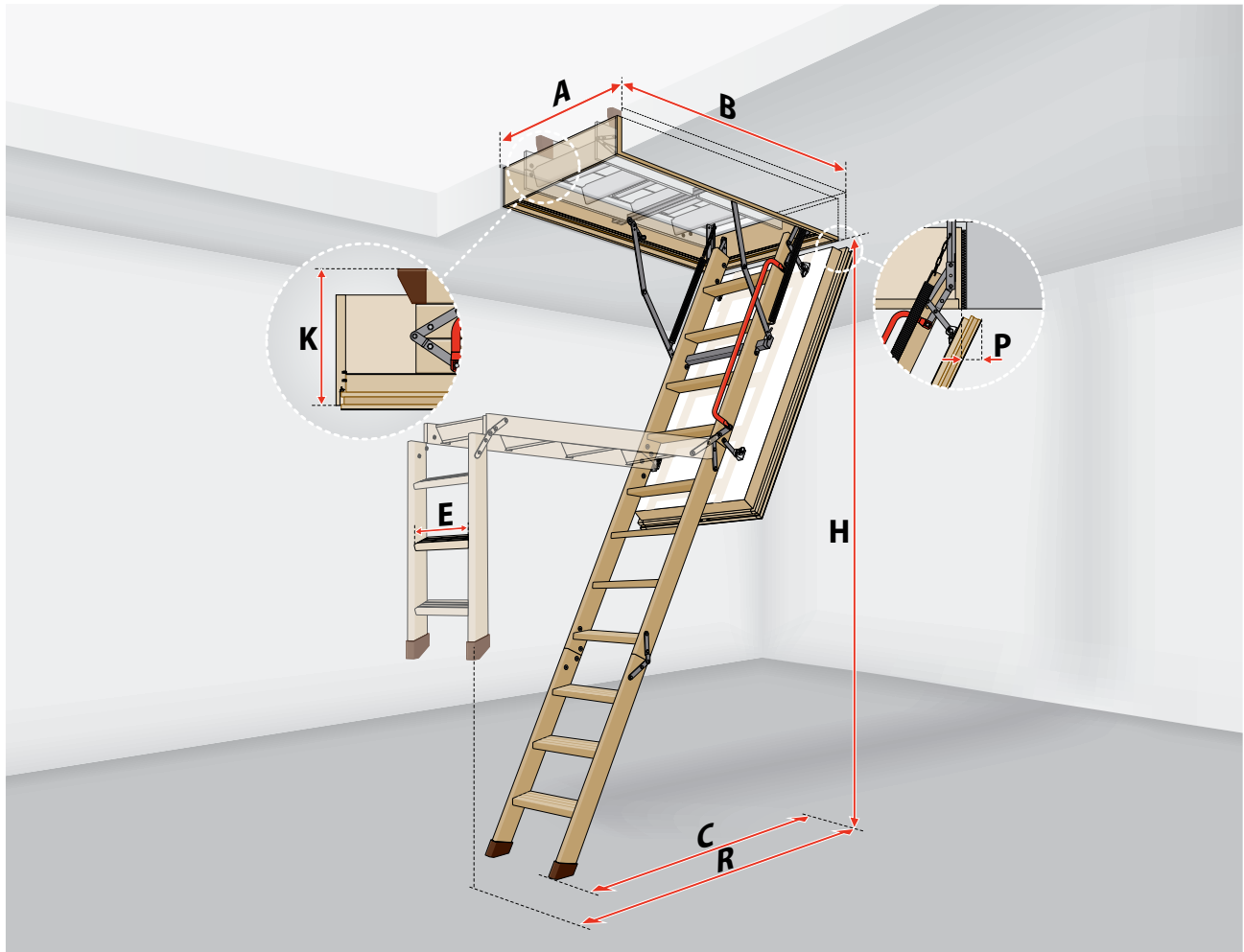


Detachable door from „click fasteners“ for quick one-person installation.

Technical specification:

maximum loading: 300 lbs
R-value: 12.5
insulation thickness: 2 7/8"
hatch thickness: 3 1/8"





ATTIC LADDER DIMENSIONS

		22½"x47"	25"x47"	22½"x54"	25"x54"	30"x54"
LWT		22½"x47"	25"x47"	22½"x54"	25"x54"	30"x54"
Manufacturer's part number		66891	66892	66893	66894	66895
Ceiling height	H	7'5" - 8'11"		7'8" - 10'1"		
Rough opening	AxB	22½"x47"	25"x47"	22½"x54"	25"x54"	30"x54"
Outside frame dimensions		22"x46⅝"	24½"x46⅝"	22"x53½"	24½"x53½"	29½"x53½"
Internal frame dimensions		20½"x44⅞"	23"x44⅞"	20½"x51¾"	23"x51¾"	28"x51¾"
Projection	R	65½"		72"		
Landing space	C	58"		65"		
Folded ladder height	K	12½"				
Board movement after opening	P	2⅞"				
Frame height		8⅞"				
Approx. Weight (lbs)		70	73	75	80	85

Step length	E	13¼"
Step width		3⅞"
Step thickness		7⁄8"
Distance between steps		9⅞"

Available only in sizes given above.

WOODEN FOLDING ATTIC LADDER

NEW



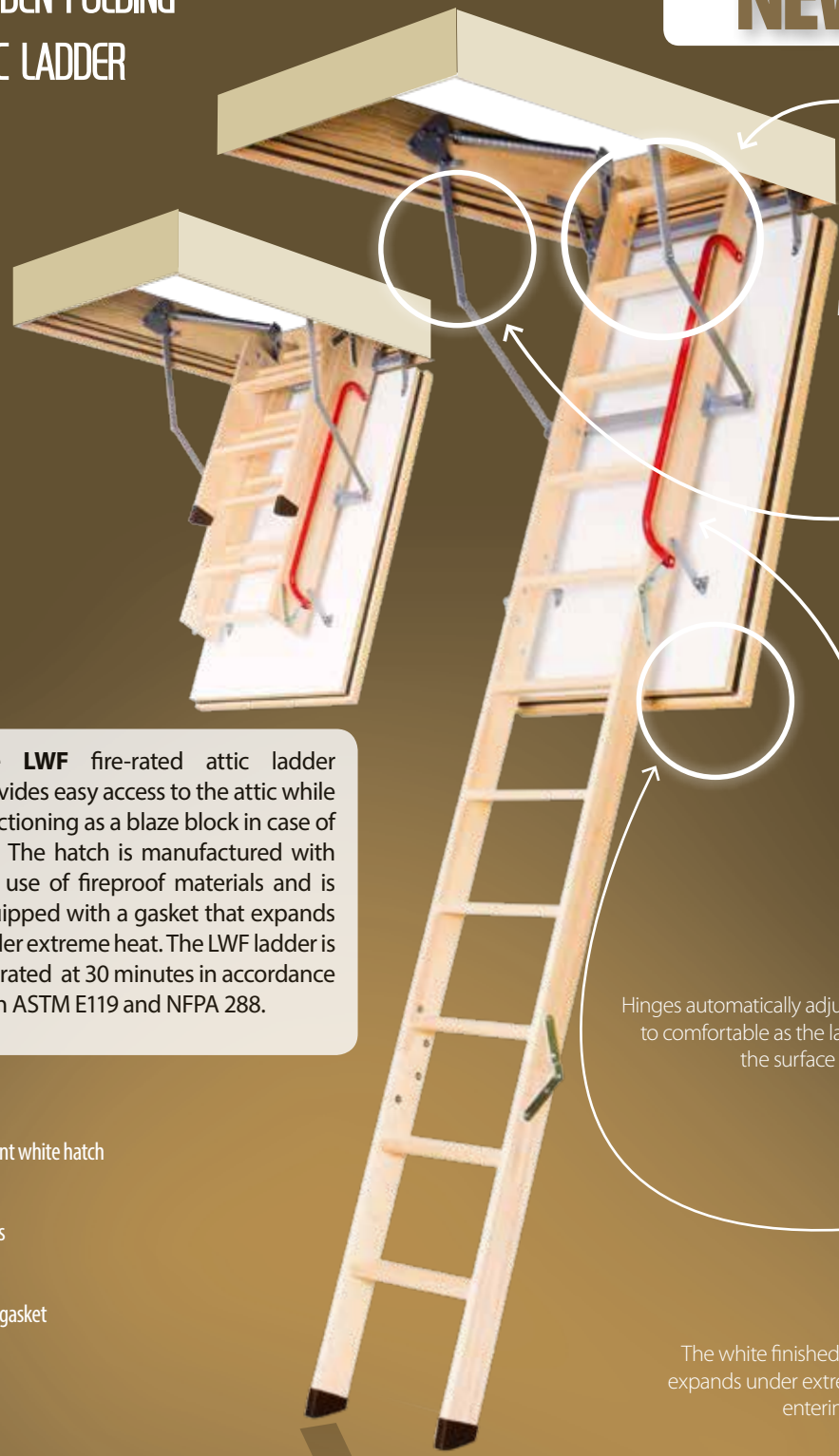
9.5
R-value

max
300
lbs

QAI
Quality Assurance Institute
US

30
Minute Rating

The **LWF** fire-rated attic ladder provides easy access to the attic while functioning as a blaze block in case of fire. The hatch is manufactured with the use of fireproof materials and is equipped with a gasket that expands under extreme heat. The LWF ladder is fire rated at 30 minutes in accordance with ASTM E119 and NFPA 288.



Minimal space between top step of ladder and floor of attic – step into your attic with ease.



A system of three rubber gaskets guarantee an airtight seal.










Hinges automatically adjust the ladder from compact to comfortable as the ladder self-adjusts away from the surface of the door when unfolded.



The white finished hatch features a gasket that expands under extreme heat, blocking fire from entering the fire-free storey above.

FEATURES

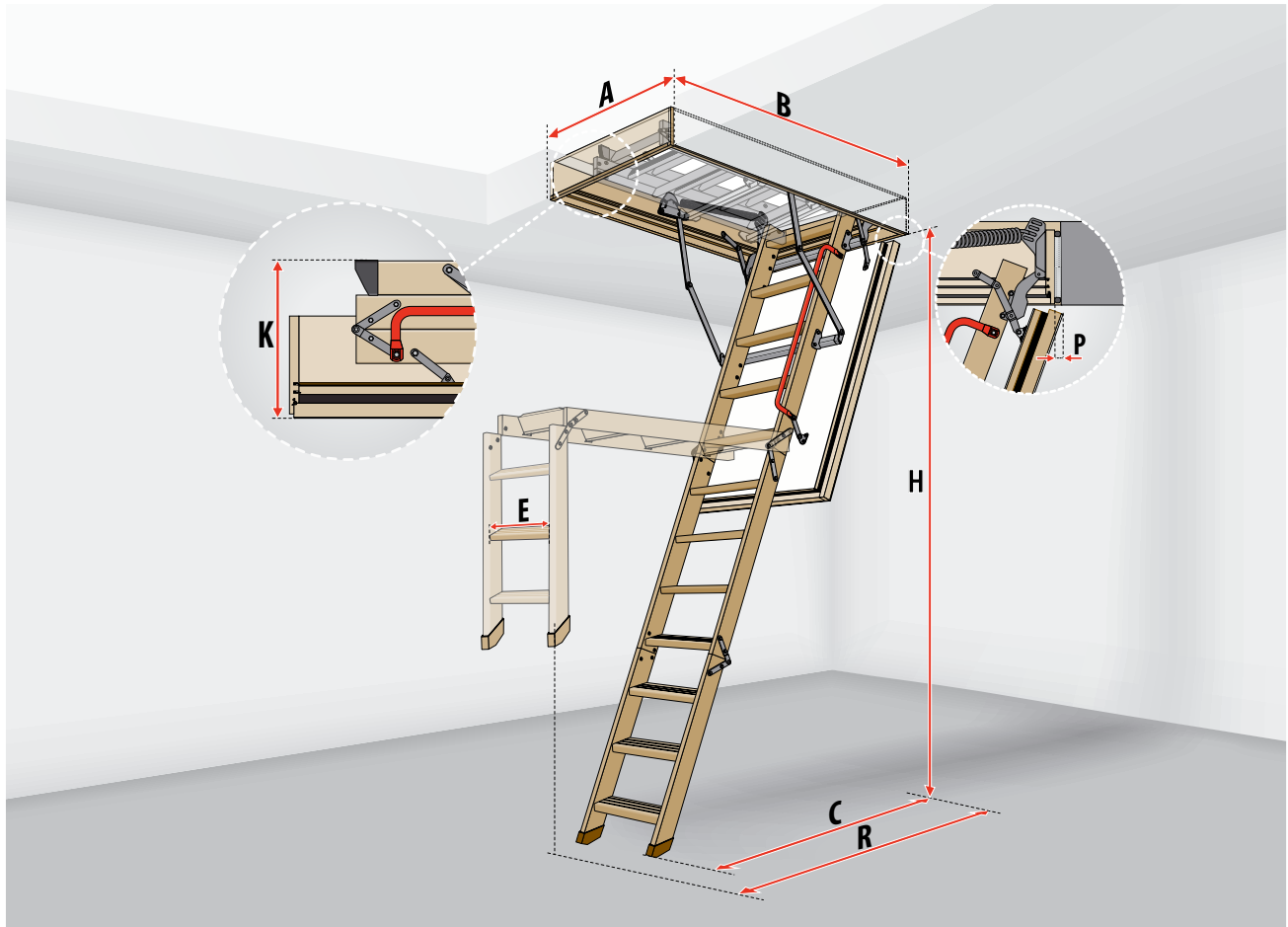
-  fire-resistant white hatch
-  plastic ends
-  peripheral gasket x3
-  handrail
-  non-slip steps
-  additional accessories available - pages 29-31
-  2 year warranty

Technical specification:

- maximum loading: 300 lbs**
- fire-resistance: EI, 30 minutes**
- R-value: 9.5**
- insulation thickness: 2 7/8"**
- hatch thickness: 3 1/8"**

fully assembled and ready
for quick installation in the ceiling





ATTIC LADDER DIMENSIONS

LWF		22½x47	25x47	22½x54	25x54	30x54
Manufacturer's part number		869716	869717	869718	869719	869720
Ceiling height	H	7'5" - 8'11"		7'11½" – 10'1"		
Rough opening	AxB	22½"x47"	25"x47"	22½"x54"	25"x54"	30"x54"
Outside frame dimensions		22"x46⅝"	24½"x46⅝"	22"x53½"	24½"x53½"	29½"x53½"
Internal frame dimensions		20½"x44⅞"	23"x44⅞"	20½"x51¾"	23"x51¾"	28"x51¾"
Projection	R	67"		73¼"		
Landing space	C	59"		65¾"		
Distance between steps		9⅞"		10½"		
Folded ladder height	K	15"				
Frame height		8 ⅝"				
Board movement after opening	P	1⅝"				
Approx. Weight (lbs)		98	104	105	110	123

Step length	E	13¼"
Step width		3⅝"
Step thickness		⅞"

Available only in sizes given above.

**METAL FOLDING
ATTIC LADDERS**



BOX

The ladder box is made of wood. Wooden frame for insulated models contains a peripheral gasket situated within the milled section of the box. Once the hatch is closed this gasket ensures proper tightness of the entire unit. Specially designed frame allows fast and convenient trim installation.

HATCH UNLOADING MECHANISM

Operation of the attic ladder is **significantly improved** because of FAKRO's unique unloading mechanism. Once unlocked, the hatch opens slowly without any potential danger to the user. Once fully opened, this mechanism will also hold the hatch in position, preventing it from slamming shut. **No sudden movements.**

HARDWARE

The patented corner hinge

re-enforces the rigidity of the box and prevents any changes in the diagonal lengths. Thanks to this, the box is not affected by any deformations and can be operated trouble free once installed.

HATCH

The attic ladder hatch can be non-insulated (made of particle board) or insulated (sandwich type). The applied thermal insulation protects against heat loss.

STEPS

The **specially embossed pattern** on the step surface protects the user from accidental slipping while using the ladder.

PLASTIC ENDS

Made of plastic, these protect the floor surface from scratches and in addition **add to** the overall ladder **stability**.

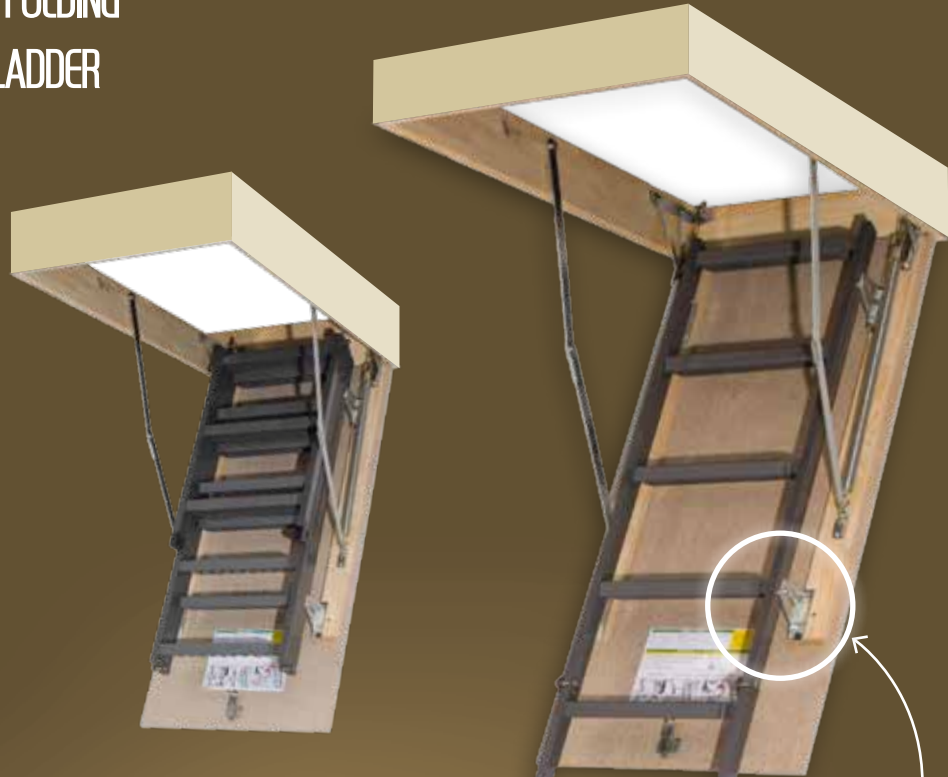
LADDER

The unique design and structure of the metal ladder and double connection of the ladder hinges **guarantees high ladder strength**. The ladder elements are powder-coated with hard wearing lacquer in grey RAL 7022.

METAL FOLDING ATTIC LADDER

OWM

NON-INSULATED



The **OWM** attic ladder has a folding metal ladder with a paintable non-insulated particle board hatch door. This model is mounted to the door with brackets that allow minor adjustments to the length of the ladder and the space between the ladder and door.



FEATURES



beige hatch – metal hook



plastic ends



non-slip steps



additional accessories available



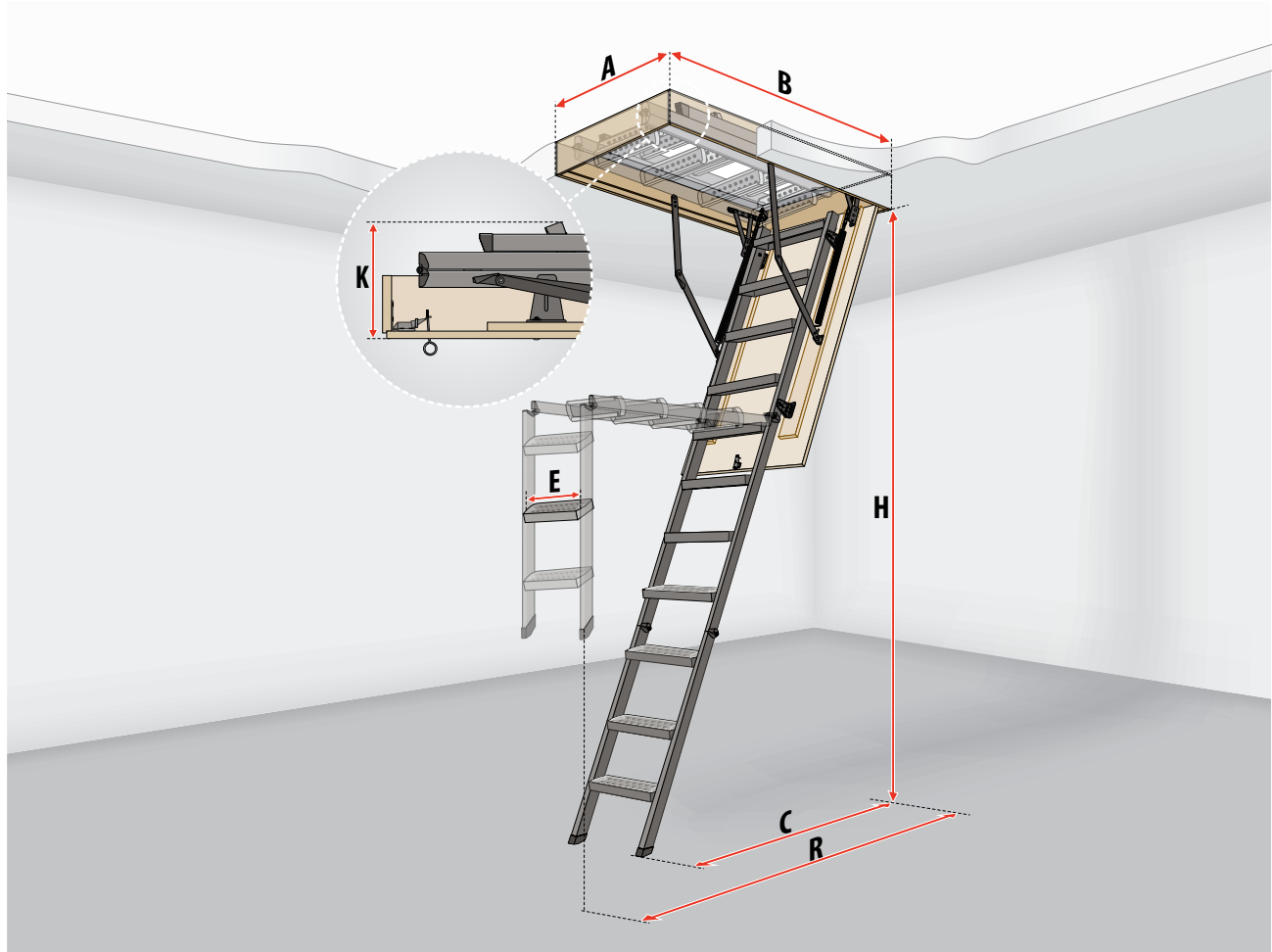
1 year warranty

Technical specification:

maximum loading: 300 lbs
hatch thickness: 3/4"

fully assembled and ready
for quick installation in the ceiling





ATTIC LADDER DIMENSIONS

OWM		22x47	25x47	22x54	25x54	30x54
Manufacturer's part number		66860	66861	66862	66863	66864
Ceiling height	H	7'2" - 8'11"		7'11" - 10'1"		
Rough opening	AxB	22½"x47"	25"x47"	22½"x54"	25"x54"	30"x54"
Outside frame dimensions		22"x46⅞"	24½"x46⅞"	22"x53½"	24½"x53½"	29½"x53½"
Internal frame dimensions		20½"x44⅞"	23"x44⅞"	20½"x51¾"	23"x51¾"	28½"x51¾"
Projection	R	66½"		74½"		
Landing space	C	58½"		64"		
Folded ladder height	K	9½"				
Frame height		4½"				
Approx. Weight (lbs)		55	56	57	62	64

Step length	E	13¼"
Step width		3⅞"
Distance between steps		9⅞"

Available only in sizes given above.

METAL FOLDING ATTIC LADDER

LMS
INSULATED

5.2
R-value

max
350
lbs



The **LMS** 3-section folding metal attic ladder features an insulated beige, paintable hatch door. This model is mounted to the door with brackets that allow minor adjustments to the length of the ladder and the space between the ladder and door.



The use of metal ladder with special hinge structure guarantees high durability – maximum loading 350 lbs.

FEATURES



beige hatch – lock



plastic ends



peripheral gasket



non-slip steps



additional accessories available - pages 29-31

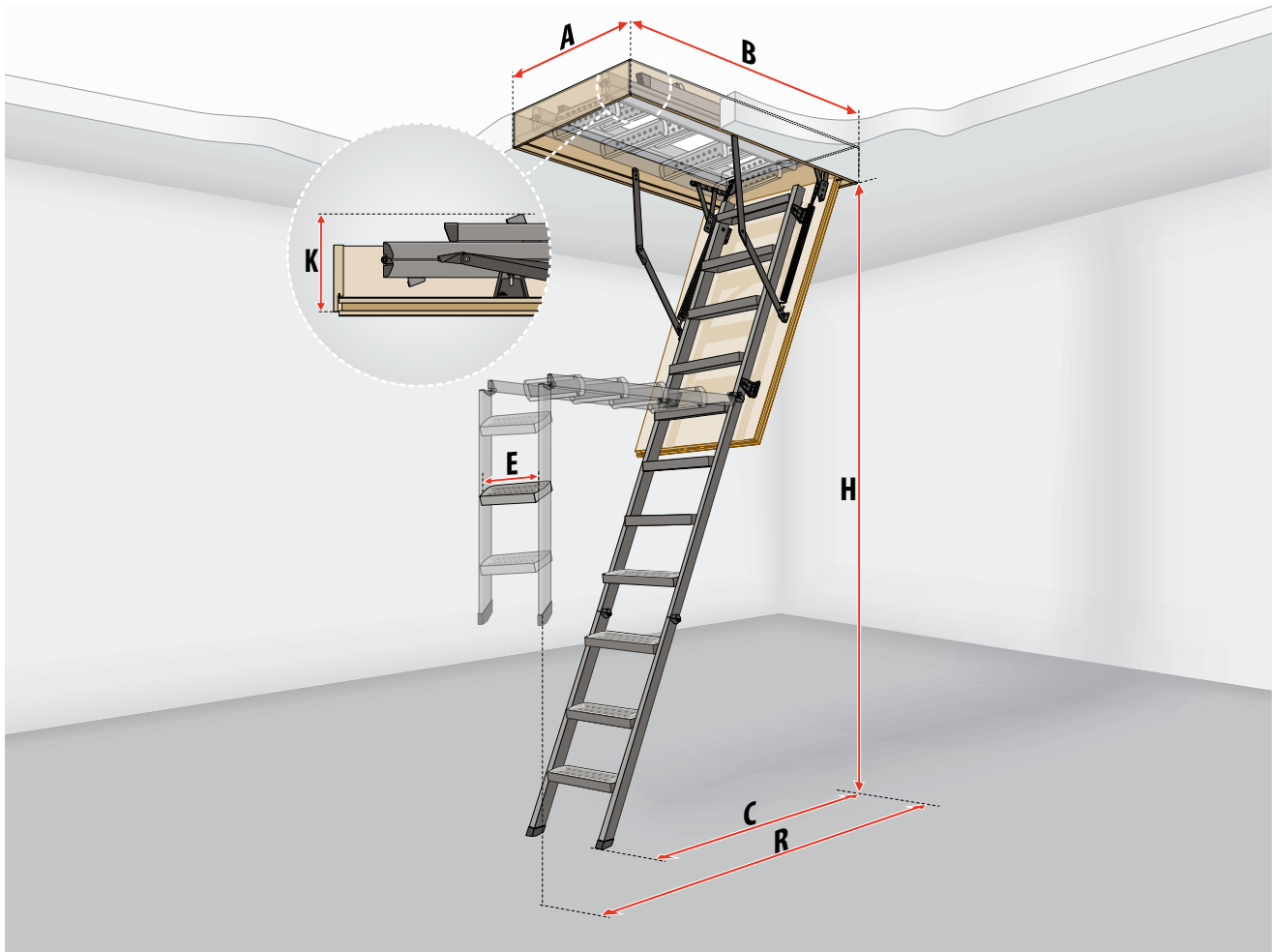


2 year warranty

Technical specification:

maximum loading: 350 lbs
R-value: 5.2
insulation thickness: 1 1/8"
hatch thickness: 1 3/8"





ATTIC LADDER DIMENSIONS

LMS		22x47	25x47	22x54	25x54	30x54
Manufacturer's part number		66865	66866	66867	66868	66869
Ceiling height	H	7'2" - 8'11"		7'11" - 10'1"		
Rough opening	AxB	22½"x47"	25"x47"	22½"x54"	25"x54"	30"x54"
Outside frame dimensions		22"x46⅝"	24½"x46⅝"	22"x53 ½"	24½"x53½"	29½"x53½"
Internal frame dimensions		20½"x44⅞"	23"x44 ⅞"	20½"x51¾"	23"x51¾"	28½"x51¾"
Projection	R	65½"		73¼"		
Landing space	C	56"		62¼"		
Folded ladder height	K	10"				
Frame height		5½"				
Approx. Weight (lbs)		62	64	70	72	75

Step length	E	13¼"
Step width		3⅜"
Distance between steps		9⅞"

Available only in sizes given above.

METAL FOLDING ATTIC LADDER

NEW

LML LUX
INSULATED

5.2
R-value

max
300
lbs

The **LML** attic ladder with metal folding 3-section ladder is designed to ensure the highest comfort of use. The ladder installation process is simplified by easy adjustment of ladder's length to the ceiling height.

In order to facilitate accessing the attic, the attic ladder box has been equipped with an additional step which reduces the distance between the last tread of the ladder and the attic floor.

A perimeter gasket lines the frame and seals the hatch.

The two last steps are detachable and stile ends are retractable making it possible to adjust the length of the ladder to the ceiling height without cutting.

Technical specification:

maximum loading: 300 lbs
R-value: 5.2
insulation thickness: 1 1/8"
hatch thickness: 1 3/8"

FEATURES



white hatch - plastic catch



telescopic stile ends



peripheral gasket



ladder unloading mechanism,
built in handrail



non-slip steps



additional accessories
available - pages 29-31

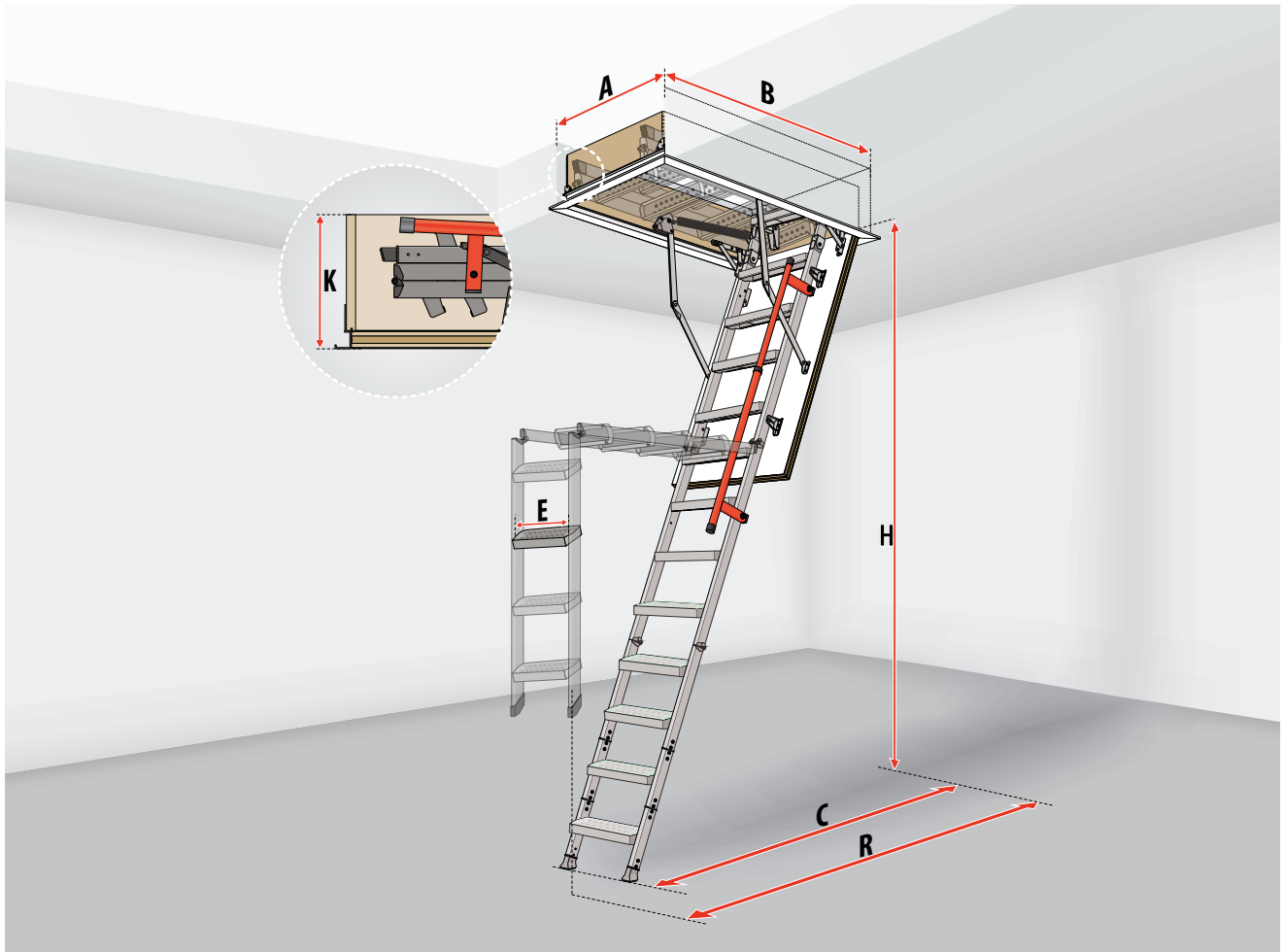


quick installation in the ceiling
- installation brackets





2 year
warranty





ATTIC LADDER DIMENSIONS

			
LML		23½ x 47	27½ x 51
Manufacturer's part number		862401	862453*
Ceiling height	H	9' 2¾"	10'
Rough opening	AxB	23½" x 47"	27½" x 51"
Outside frame dimensions		23" – 46¾"	27" – 50⅞"
Outside frame dimensions including trim		25½" x 48¼"	28½" x 52¼"
Internal frame dimensions		21⅞" – 44⅞"	25¼" – 48⅞"
Projection	R	65"	69½"
Landing space	C	47¼"	51¼"
Folded ladder height	K	12½"	
Frame height		12½"	
Approx. Weight (lbs)		119	128

Step length	E	13¾"
Step width		5⅞"
Distance between steps		9⅞"

* H max - 10'3" (stile ends maximum extension)

Available only in sizes given above.

**METAL SCISSOR
ATTIC LADDERS**



BOX

The box can be made of wood or metal. The box is equipped with a **peripheral gasket (LST)** and **trims as standard**. Proper box structure allows for quick setting of the ladder in the ceiling and facilitates correct levelling.

HATCH UNLOADING

MECHANISM

Operation of the attic ladder is **significantly improved** because of FAKRO's unique unloading mechanism. Once unlocked, the hatch opens slowly without any potential danger to the user. Once fully opened, this mechanism will also hold the hatch in position, preventing it from slamming shut.

HARDWARE

The patented corner hinge re-enforces the rigidity of the box and prevents any changes in the diagonal lengths. Thanks to this, the box is not affected by any deformations and can be operated trouble free once installed.

HATCH

Standard scissor attic ladders are equipped with white **insulated** or **fire-resistant** hatches, made of wood, or wood and metal. The external hatch surface is smooth without any visible fixing elements.

STEPS

The specially embossed pattern on the step surface protects the user from accidental slipping while using the ladder.

LADDER

The scissor ladder structure makes it possible to easily adjust its length to the room height **without the need for cutting**. Additionally, it enables folding the ladder to smaller sizes and therefore allows installation **in smaller ceiling openings** (the smallest ladder size being 22x31 inch). The elegant and modern style of the scissor attic ladder is achieved by the "S"-shaped stringers which may also serve as handrails.



METAL SCISSOR ATTIC LADDER

LST
INSULATED

5.2
R-value

max
300
lbs

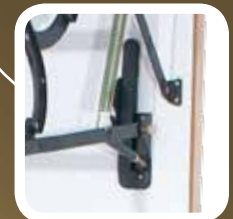
The **LST** ladder is a scissor ladder with a white insulated hatch. Its construction takes up less space and requires less room to unfold making it perfect for small spaces (the smallest ladder size is 22"x31").

FEATURES

-  white hatch – plastic catch
-  peripheral gasket
-  white metal trim
-  non-slip steps
-  possibility of adding or detaching steps
-  system of adopting the ladder length to the ceiling height
-  quick installation in the ceiling – installation brackets
-  **a** additional accessories available - page 30-31
-  **2** year warranty



Wooden box with metal trim and quick-installation brackets included.



Adjustment of ladder length.



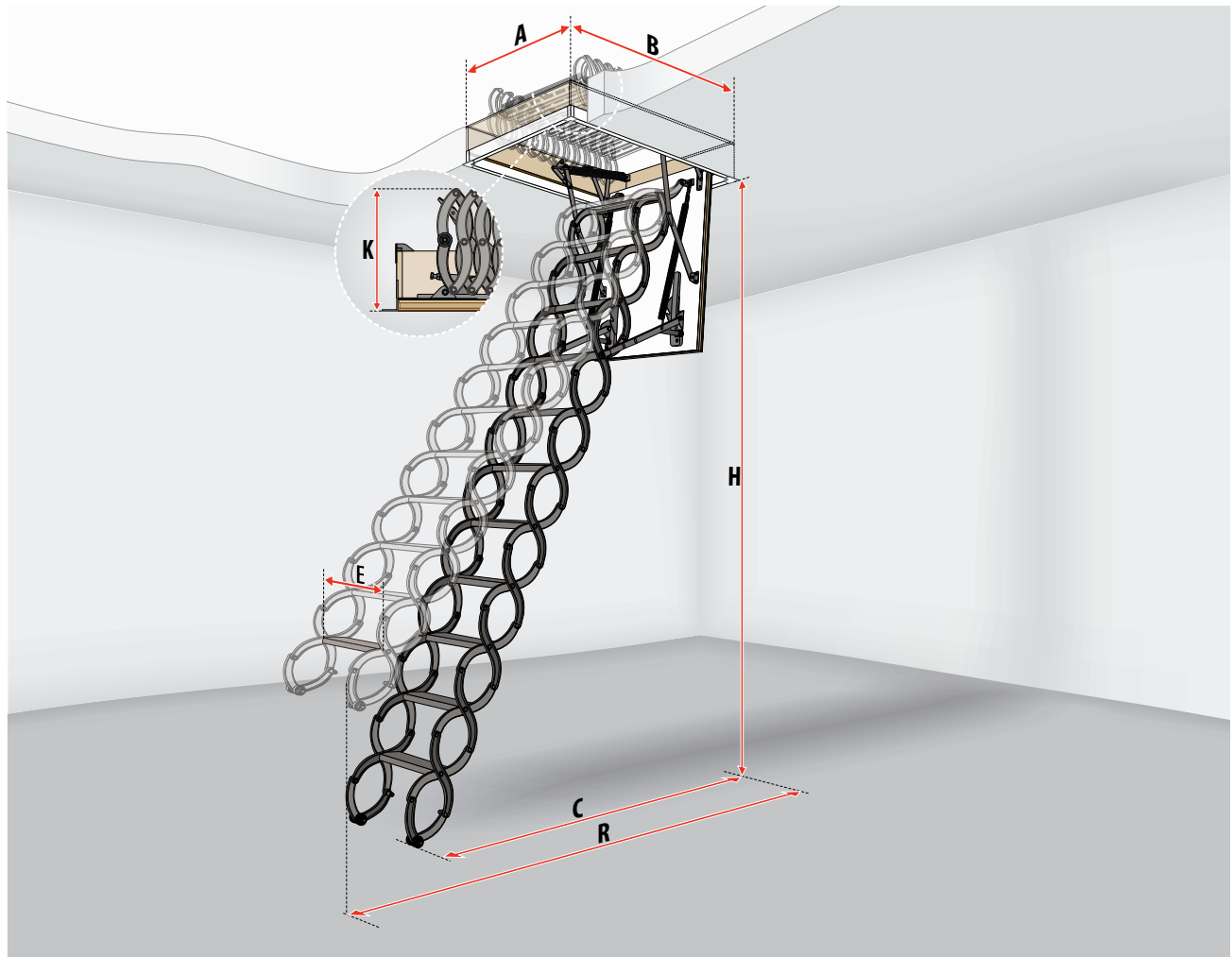
To increase the length of the ladder you can use an extra step.

Technical specification:

maximum loading: 300 lbs
R-value: 5.2
insulation thickness: 1 1/8"
hatch thickness: 1 3/8"

fully assembled and ready
for quick installation in the ceiling





ATTIC LADDER DIMENSIONS

								1 step removed	standard length of ladder (11 steps)	1 additional step	2 additional steps				
LST		22x31	27x31	22x47	25x47	22x54	25x54								
Manufacturer's part number		66875	860432	66820	66821	66822	66823								
Ceiling height	H	8'2 3/8" – 9'2 1/4"						7'6 1/2"	8'2 3/8"	8'2 3/8"	9'2 1/4"	9'2 1/4"	9'10 1/8"	9'10 1/8"	10'10"
Rough opening	AxB	22 1/2" x 31 1/2"	27 1/2" x 31 1/2"	22 1/2" x 47"	25" x 47"	22 1/2" x 54"	25" x 54"	Ladder dimensions are equal to all sizes.							
Outside frame dimensions		22" x 31 1/4"	27" x 31 1/4"	22" x 46 3/8"	24 1/2" x 46 3/8"	22" x 53 3/4"	24 1/2" x 53 3/4"								
Outside frame dimensions including trim		24 3/8" x 33 1/4"	29 1/8" x 33 1/4"	24 3/8" x 49"	26 3/4" x 49"	24 3/8" x 55 3/4"	26 3/4" x 55 3/4"								
Internal frame dimensions		20 1/2" x 29 1/4"	25 1/8" x 29 1/4"	20 1/2" x 44 3/4"	22 7/8" x 44 3/4"	20 1/2" x 51 1/8"	22 7/8" x 51 1/8"								
Projection	R	59"						55 1/8"	59"	63"	67"				
Landing space	C	57 1/2" – 52 3/4"						53 3/8"	51 5/8"	57 1/2"	52 3/4"	59"	57 1/8"	63"	59"
Folded ladder height	K	15"													
Frame height		7 3/8"													
Approx. Weight (lbs)		84	92	88	93	97	99								
Step length	E	11 7/8"	15"	11 7/8"											
Step width		3 1/8"													
Possibility of adding additional steps		LSS-31	LSS-38	LSS-31											

Available only in sizes given above.

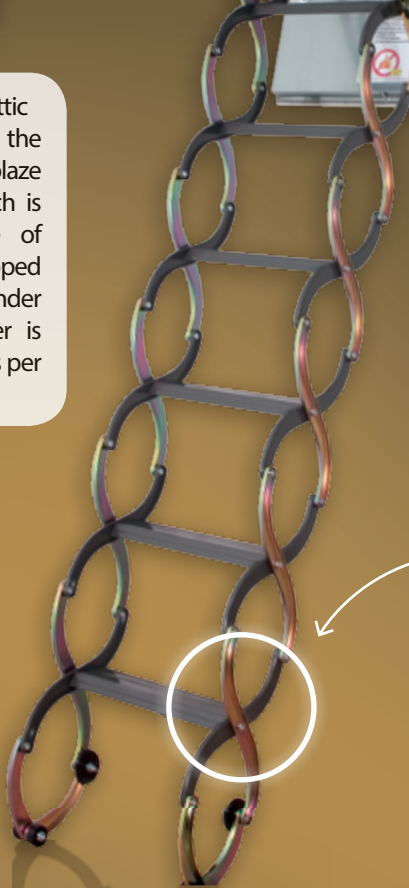
METAL SCISSOR ATTIC LADDER



The **LSF** fire-rated scissor attic ladder provides easy access to the attic while functioning as a blaze block in case of fire. The hatch is manufactured with the use of fireproof materials and is equipped with a gasket that expands under extreme heat. The LSF ladder is fire-resistant at E1,60 minutes as per EN 13501-2.



A gasket lining the lid expands under extreme heat, sealing the unit and fire-free storey from smoke and fire.



Adjustable length with the addition of an extra step.

FEATURES

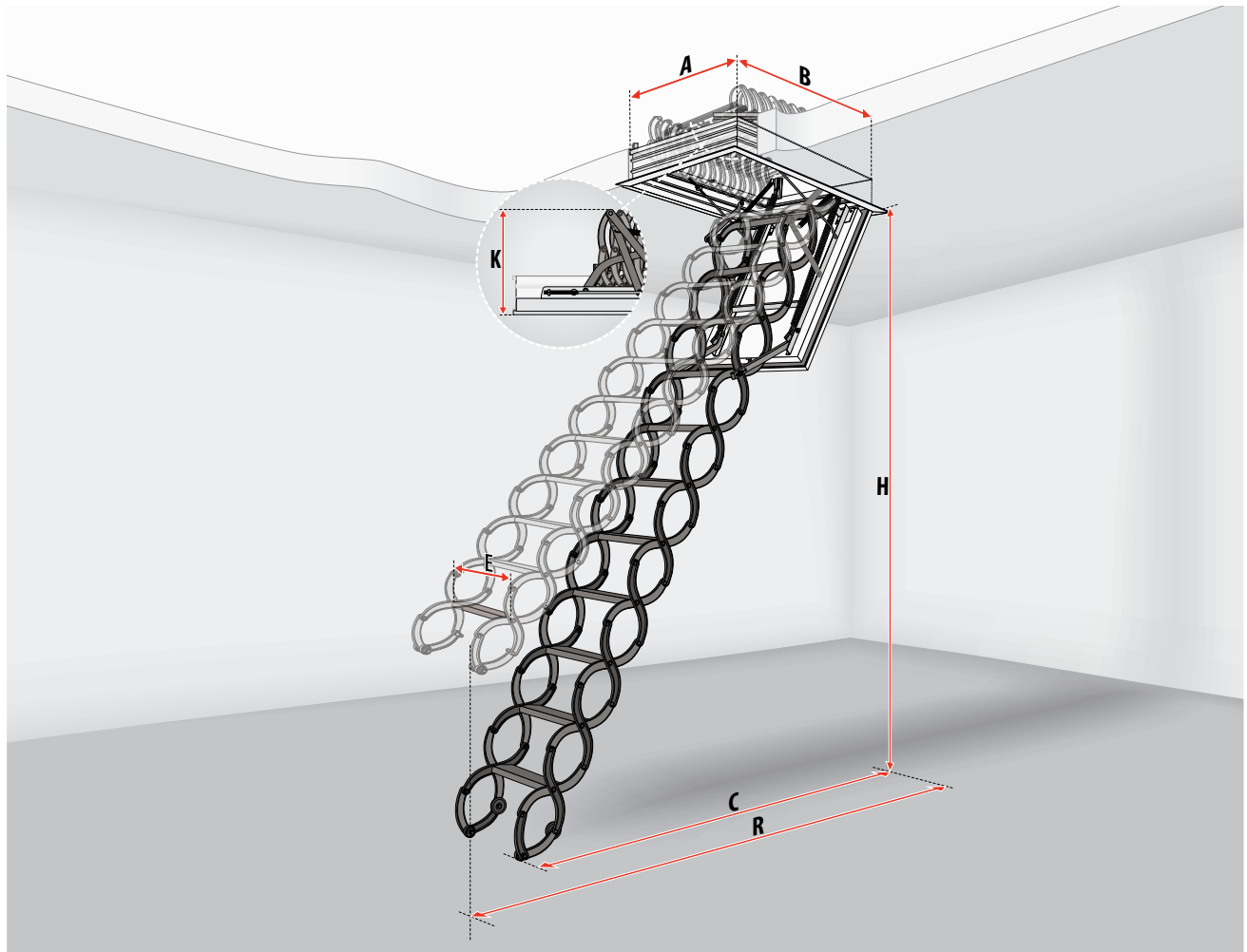
-  fire-resistant white hatch – lock
-  white metal trim
-  non-slip steps
-  possibility of adding or detaching steps
-  system of adopting the ladder length to the ceiling height
-  Quick installation in the ceiling – installation brackets
-  additional accessories available - page 31
-  2 year warranty

Technical specification:


maximum loading: 300 lbs
fire-resistance: E1, 60 minutes
insulation thickness: 1 1/8"
hatch thickness: 2 1/8"

fully assembled and ready for quick installation in the ceiling





ATTIC LADDER DIMENSIONS

				1 step removed		standard length of ladder (10 steps)		1 additional step	
LSF		22x47	25x47						
Manufacturer's part number		66858	66859						
Ceiling height	H	8'10¼" – 9'10⅝"		7'10 1/2"	8'10 3/8"	8'10 3/8"	9'10 1/8"	9'10 1/8"	10'6"
Rough opening	AxB	22½"x47"	25"x47"	Ladder dimensions are equal to all sizes.					
Outside frame dimensions		22"x46⅝"	24½"x46⅝"						
Outside frame dimensions including trim		24½"x49"	27"x49"						
Internal frame dimensions		20"x45¼"	22½"x45¼"						
Projection	R	67" – 71"		65"	65"	67"	71"	72⅞"	82¼"
Landing space	C	65" – 51¼"		39⅞"	55⅝"	65"	51¼"	47¼"	55⅝"
Folded ladder height	K	17¾"							
Frame height		5½"							
Approx. Weight (lbs)		138	154						
Step length	E	11⅞"	12⅞"						
Step width		3⅞"							
Possibility of adding additional steps		LSS-30	LSS-32						

Available only in sizes given above.

SPECIAL ORDER PRODUCTS

DWK

The L-shaped door DWK is intended to be built into L-shaped walls. Thermo-Insulating parameters (R-value: 5.2*) along with high air tightness keep heat-loss to a minimum. The L-shaped doors may be installed in right or left opening versions. Trims are included in the standard configuration.

* manufacturer's internal calculations



5.2
R-value

DWT **NEW!**

The DWT L-shaped combination doors are new and highly energy efficient design. Thick sash with the thickness of 2½" fully filled with thermo-insulating material provides an excellent barrier reducing heat loss (R-value: 9.5*). The doors as standard are equipped with handle and finishing lining. The doors can be installed in two versions of opening (right or left).

* manufacturer's internal calculations



9.5
R-value

DWF **NEW!**

The DWF fire-rated L-shaped combination door provides access to otherwise unused spaces under closed off stairwells and crawl spaces. It is fire resistant from both sides at 145 minutes as per EN13501). The white, 2½ inch thick sash is thermally insulated providing an excellent barrier that reduces heat loss (R-value 8.9*). The doors can be installed in two versions of opening (right or left). Includes natural pine-coloured trim.

* manufacturer's internal calculations



8.9
R-value

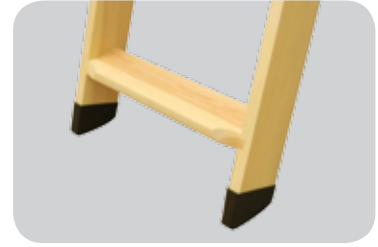
FOLDING ATTIC LADDER OPTIONAL ACCESSORIES



PLASTIC ENDS **LXS**

Plastic ends give an aesthetic look to ladder's appearance and through appropriate shape enhance its stability. One set contains 2 pieces.

Note: available for all sizes LWN, LWP, LWF, LWT.



METAL HANDRAIL **LXH**

The red-painted metal handrail is mounted on the angle brackets of the ladder, and can be mounted on either side of the ladder, making climbing easier. The handrail is available in two lengths:

25½" for OWM

29½" for LWT, LWP, LWN, LMS, LWF

Note: while ordering handrail please provide attic ladder type.



LADDER BALUSTRADE **LXB-U**

The attic balustrade protects the user from falling through the opening in the ceiling and it also facilitates an easier descent on the ladder. Made of pine wood. The balustrade is available in standard size 30"x54".

Note: available for all ladders.



TRIM LXL

Trim is designed to finish the installation of the ladder and to cover gaps in the ceiling which remain after the fitting process. The trim elements are made of pine wood (LXL-W painted in white) or PVC (LXL-PVC trim) also available in white*. This quick and simple fitting process ensures a fast, aesthetically pleasing finish of the installed attic ladder. In the case of PVC trim, connection with the box does not require any nails. The trims are available in one size 30"x54".

LXL-W available for all sizes: LWN, LWP, LWT, LWF, OWM, LMS.

LXL-PVC available for all sizes: LWP, LWT, LWF, LMS.

Note: trims for smaller sizes have to be cut.

***the trim colour may slightly differ from the colour of trim's corners and hatch.**

	LXL-W	LXL-PVC
Dimensions	30"x54"	30"x54"
Trim width	1 3/8"	1 1/4"
Maximum gap to be covered	7/8"	7/8"



BOX EXTENSION LXN-B

Made of pine wood, the box extension matches perfectly with the box of the installed ladder extending the aesthetic look of the ceiling opening. The standard box height is 4". Available for ladders LWN, LWP, LWT, LWF, OWM, LMS, LML, LST.

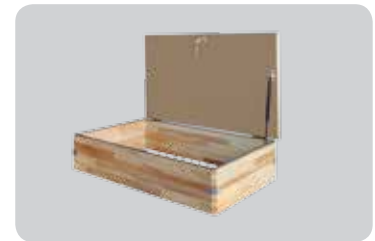
Note: while ordering the LXN-B please provide ladder type and size.



UPPER HATCH LXW-B

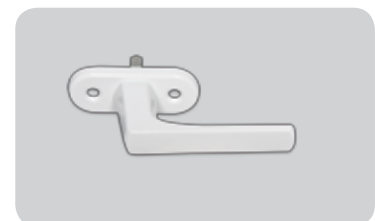
The upper hatch prevents attic dust from accumulating on the hatch and steps of the closed ladder. It improves the overall insulating parameters and tightness of the ladder on which it is installed. The height of the upper hatch box is 7 3/4". Available for ladders LWN, LWP, LWT, LWF, OWM, LMS, LML. For the LST model ladder, the extension box LXN should be installed prior to the upper hatch.

Note: while ordering the LXW-B please provide ladder type and size.



HANDLE LXZ

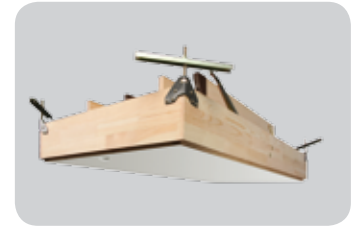
The LXZ handle enables the closing of the LXW-B upper hatch from the attic side e.g. during maintenance works in the attic or roof.



INSTALLATION BRACKETS **LXK**

Installation brackets facilitate attic ladder installation in the ceiling.
Available for: LWN, LWP, LWT, LWF, OWM, LMS.

Installation brackets	LWN	LWP	LWT	LWF	OWM	LMS
Maximum ceiling	12½"	13¾"	17"	17"	12½"	13¾"



ADDITIONAL STEP **LXT**

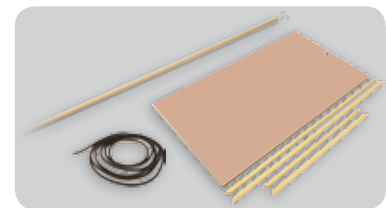
An additional step makes climbing the ladder easier and increases comfort and safety of access to the attic. It is recommended especially in situations where the upper hatch is installed on the attic ladder's box or ladder is installed in a thick ceiling. The LXT step is installed between the last ladder's step and the floor of the attic. Standard width of the LXT additional step is 11⅞".

Note: available for ladders OWM, LMS.



INSULATED DOOR REPLACEMENT **LXI** **NEW!**

The LXI insulated door replaces the particle board door included with the LWN non-insulated attic ladder. This replacement is insulated and sealed and increases the thermal properties of the LWN attic ladder. The replacement door consists of an insulated lid, perimeter seal, control rod and trim.



ADDITIONAL STEP **LSS**

To increase the length of the **LST** ladder you can use an extra step:
LSS-38 for size 27/31,
LSS-31 for sizes: 22/31, 22/47, 22/54, 25/47, 25/54.

To increase the length of the **LSF** ladder you can use an extra step:
LSS-30 for size 22/47,
LSS-32 for size 25/47.



	LWN	LWP	LWT	LWF	OWM	LMS	LML	LST	LSF
Optional accessories									
Ladder balustrade LXB-U	✓	✓	✓	✓	✓	✓	✓	✓	✓
Metal handrail LXH	✓	✓	✓	✓	✓	✓	—	—	—
Installation brackets LXK	✓	✓	✓	✓	✓	✓	—	—	—
Wooden trim LXL-W	✓	✓	✓	✓	✓	✓	—	—	—
PVC trim LXL-PVC	—	✓	✓	✓	—	✓	—	—	—
Plastic ends LXS	✓	✓	✓	✓	—	—	—	—	—
Box extension LXN-B	✓	✓	✓	✓	✓	✓	✓	✓	—
Upper hatch LXW-B	✓	✓	✓	✓	✓	✓	✓	✓ ¹	—
Additional step LXT	—	—	—	—	✓	✓	—	—	—
Insulated Door Replacement LXI	✓	—	—	—	—	—	—	—	—

¹ for the LST model ladder, the extension box should be installed prior to the upper hatch.



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