



LOFT
LADDERS
2011



Folding Loft Ladders

enable safe and easy access to non-inhabited loft spaces without the need for installing costly and space consuming staircases. Fakro Folding Ladders satisfy all technical and safety requirements whilst maximising ease of use and comfort.



SPACE SAVINGS

Fakro Loft Ladders require little 'swing space' for operation. When folded, the sections are concealed inside the Loft Space, **maximising space** in the room below.

EASE OF INSTALLATION

The Installation system ensures that the Ladder can be easily installed by two persons. Height can be easily adjusted to suit room height. **Ladders come as fully assembled products and do not require any additional pre-installation work.**

EASE OF OPERATION

The **compact structure** of the hatch facilitates ease of operation of the Loft Ladder. An opening rod is supplied with every Loft Ladder enabling the user to open and close the unit with ease.

ADDITIONAL EQUIPMENT

In order to maximise comfort and accelerate installation of the Loft Ladder, additional accessories **are available.**

WARRANTY




FAKRO loft ladders come with a **3-year warranty.**

TYPES OF LOFT LADDERS AND THEIR SELECTION

Fakro offer various models of Loft Ladders, making it possible to satisfy the needs of each individual customer.

All Fakro folding loft ladders ensure high tightness reducing heat loss of your loft and satisfy the requirements of EN 14975:2006.

A popular Ladder within the range would be the **LWS** model. However, with a slightly more generous budget to dispose of, the customer may choose the LWK model. The LWK comes with a white hatch, handrail and protective stile ends as standard.

| WOODEN FOLDING SECTION LOFT LADDER | | | | | SLIDING SECTIONS |
|---|---|---|--|---|---|
| INSULATED $U=1.1 \text{ W/m}^2\text{K}$ | | | HIGHLY INSULATED $U=0.76 \text{ W/m}^2\text{K}$ | FIRE-RATED $EI_2=30 \text{ min}$ $U=0.9 \text{ W/m}^2\text{K}$ | INSULATED $U=1.1 \text{ W/m}^2\text{K}$ |
| LWS | LWK | LWL | LTK | LWF | LDK |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |













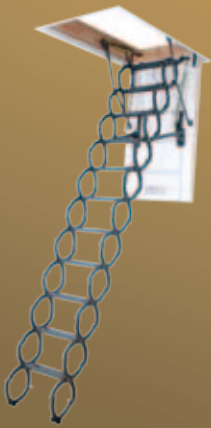



Other Loft Ladders available for special circumstances include the following...

The Highly efficient **LTK** is available for customers who place emphasis on the lowest possible heat transmittance. Where a ladder cannot be unfolded, the **LDK** Sliding Loft Ladder can be used equipped similarly to **LWK**. Should the Loft Ladder be required to perform the role of a blaze and smoke block in the event of fire, both **LWF** and **LSF** Scissors Loft Ladders are available. An additional advantage to using the **LSF** is it's quick installation and smaller opening dimensions.

In order to gain access to Loft spaces which are to be used frequently, the **LWM** metal Loft Ladder with increased resistance can be employed. Model **LWM-K** is equipped with additional safety handrail and comes in a white finish door.

LST, LSZ Scissors Loft Ladders offer smaller box dimensions and shorter installation times. They are particularly recommended for places where installation of standard section Loft Ladders is impossible. What's more, thanks to their unique mechanism, they can be folded and unfolded by the control rod provided, thus providing the ideal solution for high ceiling rooms.

For rooms with more space available, the **MSU** staircase can be installed. Thanks to it's simple and solid structure, it proves to be a perfect solution for access to frequently used loft spaces.

| FOLDING SECTION WITH METAL HANDRAIL INSULATED $U=1.1 \text{ W/m}^2\text{K}$ | | SCISSORS INSULATED $U=0.76 \text{ W/m}^2\text{K}$ FIRE-RATED $EL_2=60 \text{ min}$ | | | STATIONARY |
|--|---|---|---|--|---|
| LWM | LWM-K | LST | LSZ | LSF | MSU |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  |  |

WOODEN SECTION LOFT LADDERS



BOX

The Loft Ladder box is made of wood. Within the milled section is situated a **peripheral seal**. Once the hatch is closed, this seal ensures proper tightness of the entire box structure. The special box design enables quick and easy fitting of finishing lining or architrave.

HATCH UNLOADING

MECHANISM

Operation of the Loft 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. The hinges joining each of the sections provide rigidity to moving connections.

HATCH

The loft ladder hatch is made of wood and can be **insulated** or **fireproof**. The applied thermal -insulation protects against heat losses and, in fireproof loft ladders, also against significant heat build-up during fire. The external hatch surface is smooth without any visible fixing elements, thanks to which our loft ladders go well with any interior design.

TREADS

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

STILE ENDS

Stile ends made of plastic protect the floor surface from scratches and additionally **add to** the overall ladder **stability**.

LADDER

Fakro Loft Ladders are usually composed of three, sometimes four sections. These sections can be moved away from the hatch door in order to create additional space for footing thus ensuring a safer, more comfortable ascent and descent. The special ladder structure and materials used **ensure it's high strength**.



WOODEN FOLDING SECTION LOFT LADDERS

LWS
SMART

U=1.1
W/m²K



The **LWS Smart** Loft Ladder is a basic version of 3-4 section Ladder. Made from pine wood, it comes with an insulated hatch in beige which can be veneered or painted to match the interior character. The steps do not protrude from the stringer level. **Smart** Loft Ladders can be additionally equipped with various accessories such as Stile Ends, Handrail & Balustrade.

FEATURES



beige hatch



treads set flush with ladder strings



possibility of installing additional accessories (balustrade, slats, stile ends in 3-section version only, upper hatch).



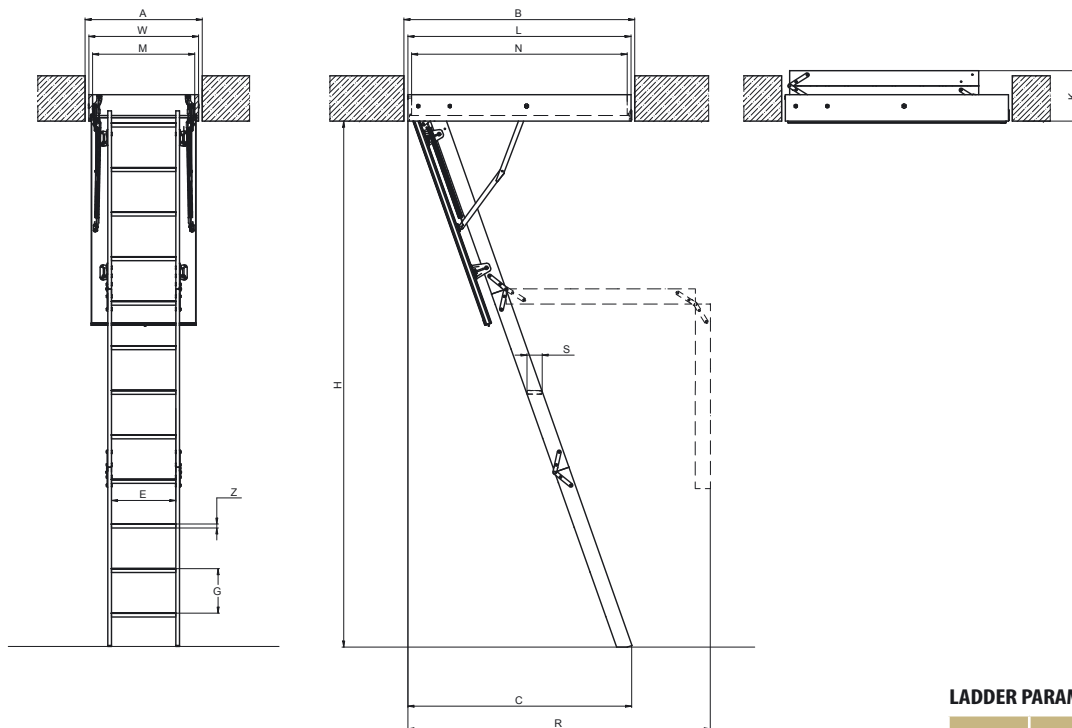
fully assembled and ready for quick installation in the ceiling



Satisfies the requirements of EN 14975

Technical specification

permissible loading 160 kg
heat transmission coefficient **U = 1.1 W/m²K**
insulation thickness 3 cm
hatch thickness 3.6 cm



LADDER PARAMETERS *

















| Tread length E [cm] | Tread width S [cm] | Tread thickness Z [cm] | Distance between treads G [cm] |
|----------------------------------|---------------------------------|-------------------------------------|---|
| 34 | 8 | 2 | 25 |


* - concerns standard loft ladders


LOFT LADDER DIMENSIONS

| Ceiling opening dimensions [cm] | AxB | 55x111 | 60x94 | 60x100 | 60x111 | 60x120 | 60x130 | 70x94 | 70x100 | 70x111 | 70x120 | 70x130 | 70x140 | 60x130 | 60x140 | 70x130 | 70x140 |
|--------------------------------------|------------|--------|---------|---------|--------|----------|----------|---------|---------|--------|----------|----------|----------|----------|----------|----------|----------|
| Room height [cm] | H | 280 | | | | | | | | | | | | 305 | | | |
| Box external dimensions [cm] | WxL | 55x111 | 58x92.4 | 58x98.4 | 58x111 | 58x118.4 | 58x128.4 | 68x92.4 | 68x98.4 | 68x111 | 68x118.4 | 68x128.4 | 68x138.4 | 58x128.4 | 58x138.4 | 68x128.4 | 68x138.4 |
| Internal box dimensions [cm] | MxN | 51x107 | 54x88 | 54x94 | 54x107 | 54x114 | 54x124 | 64x88 | 64x94 | 64x107 | 64x114 | 64x124 | 64x134 | 54x124 | 54x134 | 64x124 | 64x134 |
| Folded ladder height [cm] | K | 33 | 41 | | | 33 | | 41 | | | | | 33 | | | | |
| Swing space [cm] | R | 159 | 138 | | 159 | 162 | | 138 | | 159 | | 162 | | | | 179 | |
| Distance after ladder unfolding [cm] | C | 108 | 120 | | 108 | 121 | | 120 | | 108 | | 121 | | | | 130 | |
| Box height [cm] | | 14 | | | | | | | | | | | | | | | |
| Number of segments | | 3 | 4 | | | 3 | | 4 | | | | | | 3 | | | |

LOFT LADDER DIMENSIONS

| Sizes [cm] | | 55x111 | 60x94 | 60x100 | 60x111 | 60x120 | 60x130 | 70x94 | 70x100 | 70x111 | 70x120 | 70x130 | 70x140 | 60x130 | 60x140 | 70x130 | 70x140 |
|------------------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Room height [cm] | H | 280 | | | | | | | | | | | | 305 | | | |

 order processing time 3 working days

 order processing time 10 working days



WOODEN FOLDING SECTION LOFT LADDERS

LWK
KOMFORT

U=1.1
W/m²K



The **LWK Komfort** Loft Ladder is a premium quality folding 3-4-section Loft Ladder. It is equipped with an aesthetically finished insulated hatch in white and accessories enabling comfortable loft ladder usage as standard – stile ends and handrail. Steps protrude from the stringers facilitating climbing the ladder.

FEATURES



stile ends
(in 3-section version only)



white hatch



handrail



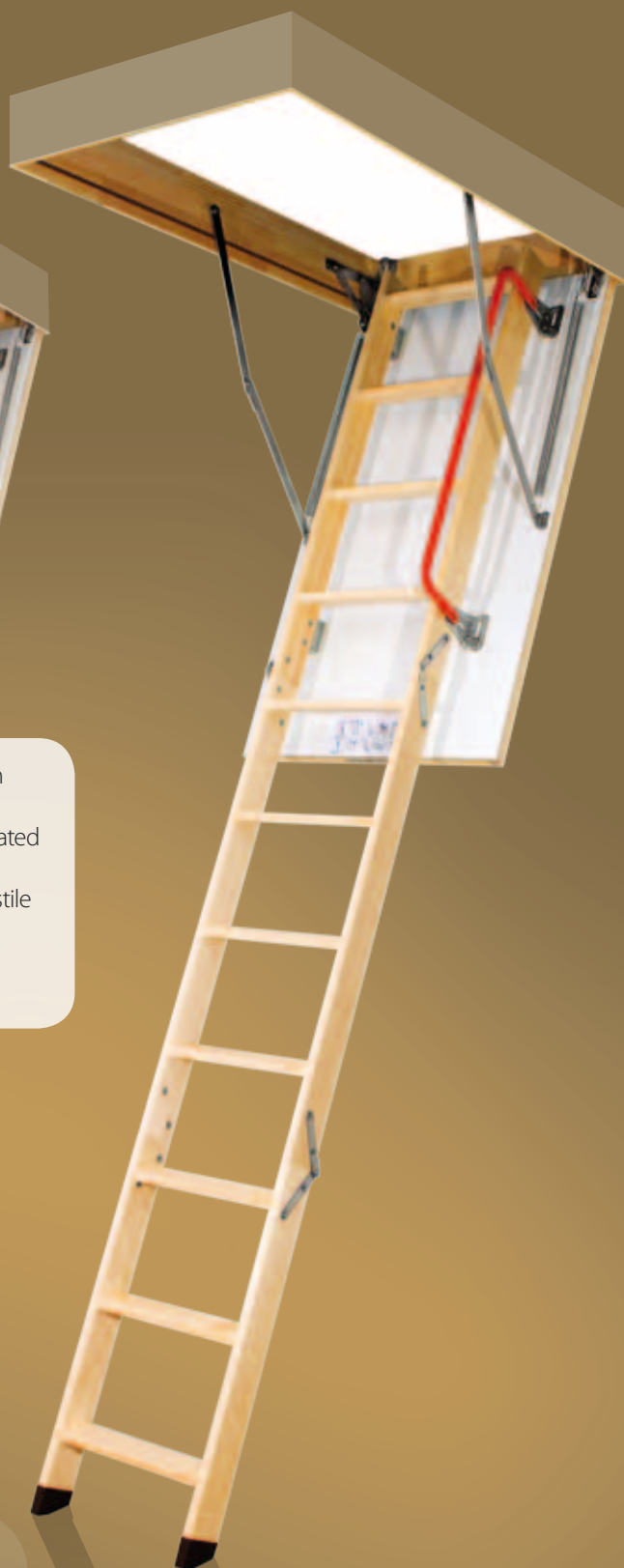
treads protruding from strings



possibility of installing additional accessories
(handrail, balustrade, slats, upper hatch)



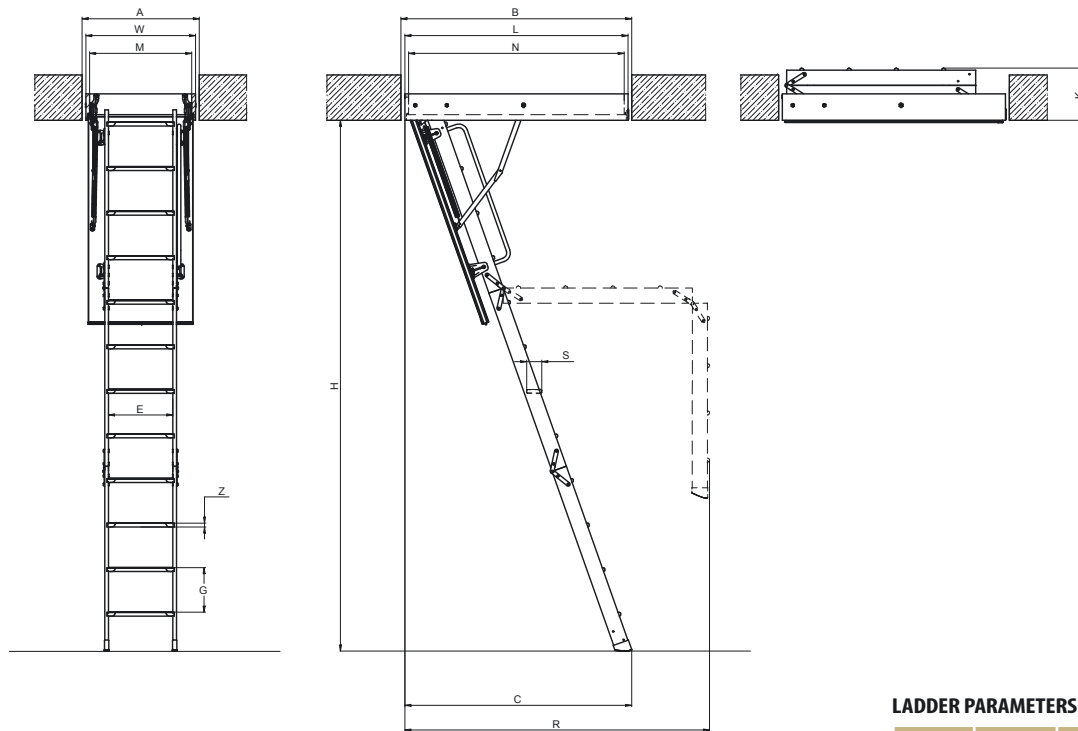
fully assembled and ready
for quick installation in the ceiling



Satisfies the requirements of EN 14975

Technical specification

permissible loading 160 kg
heat transmission coefficient **U = 1.1 W/m²K**
insulation thickness 3 cm
hatch thickness 3.6 cm



LADDER PARAMETERS *

















| Tread length E [cm] | Tread width S [cm] | Tread thickness Z [cm] | Distance between treads G [cm] |
|----------------------------------|---------------------------------|-------------------------------------|---|
| 34 | 8 | 2 | 25 |


* - concerns standard loft ladders


LOFT LADDER DIMENSIONS

| | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-----|----------|---------|---------|----------|----------|----------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Ceiling opening dimensions [cm] | AxB | 55x111 | 60x94 | 60x100 | 60x111 | 60x120 | 60x130 | 70x94 | 70x100 | 70x111 | 70x120 | 70x130 | 70x140 | 60x130 | 60x140 | 70x130 | 70x140 | |
| Room height [cm] | H | 280 | | | | | | | | | | | | 305 | | | | |
| Box external dimensions [cm] | WxL | 55x111.4 | 58x92.4 | 58x98.4 | 58x111.4 | 58x118.4 | 58x128.4 | 68x92.4 | 68x98.4 | 68x111.4 | 68x118.4 | 68x128.4 | 68x138.4 | 58x128.4 | 58x138.4 | 68x128.4 | 68x138.4 | |
| Internal box dimensions [cm] | MxN | 51x107 | 54x88 | 54x94 | 54x107 | 54x114 | 54x124 | 64x88 | 64x94 | 64x107 | 64x114 | 64x124 | 64x134 | 54x124 | 54x134 | 64x124 | 64x134 | |
| Folded ladder height [cm] | K | 34 | 42 | 34 | | | | 42 | 34 | | | | | | | | | |
| Swing space [cm] | R | 159 | 138 | 159 | 162 | 138 | 159 | 162 | 179 | | | | | | | | | |
| Distance after ladder unfolding [cm] | C | 108 | 120 | 108 | 121 | 120 | 108 | 121 | 130 | | | | | | | | | |
| Box height [cm] | | 14 | | | | | | | | | | | | | | | | |
| Number of segments | | 3 | 4 | 3 | | | | 4 | 3 | | | | | | | | | |

LOFT LADDER

| Sizes [cm] | | 55x111 | 60x94 | 60x100 | 60x111 | 60x120 | 60x130 | 70x94 | 70x100 | 70x111 | 70x120 | 70x130 | 70x140 | 60x130 | 60x140 | 70x130 | 70x140 |
|------------------|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Room height [cm] | H | 280 | | | | | | | | | | | | 305 | | | |

 order processing time 3 working days

 order processing time 10 working days



WOODEN FOLDING SECTION LOFT LADDERS

LWL
LUX

U=1.1
W/m²K



The **LWL Lux** Loft Ladder for greater safety and user comfort has been equipped with an additional handrail, mounted onto the middle section. It also possesses special mechanism which assists ladder folding and unfolding by means of a gas spring. The special mechanism of the hatch unloading mechanism makes it possible to eliminate the use for a locking latch.

FEATURES



stile ends



white hatch



two handrails



treads protruding from strings



possibility of installing additional accessories
(balustrade, slats, upper hatch)



fully assembled, prepared
for quick installation in the ceiling



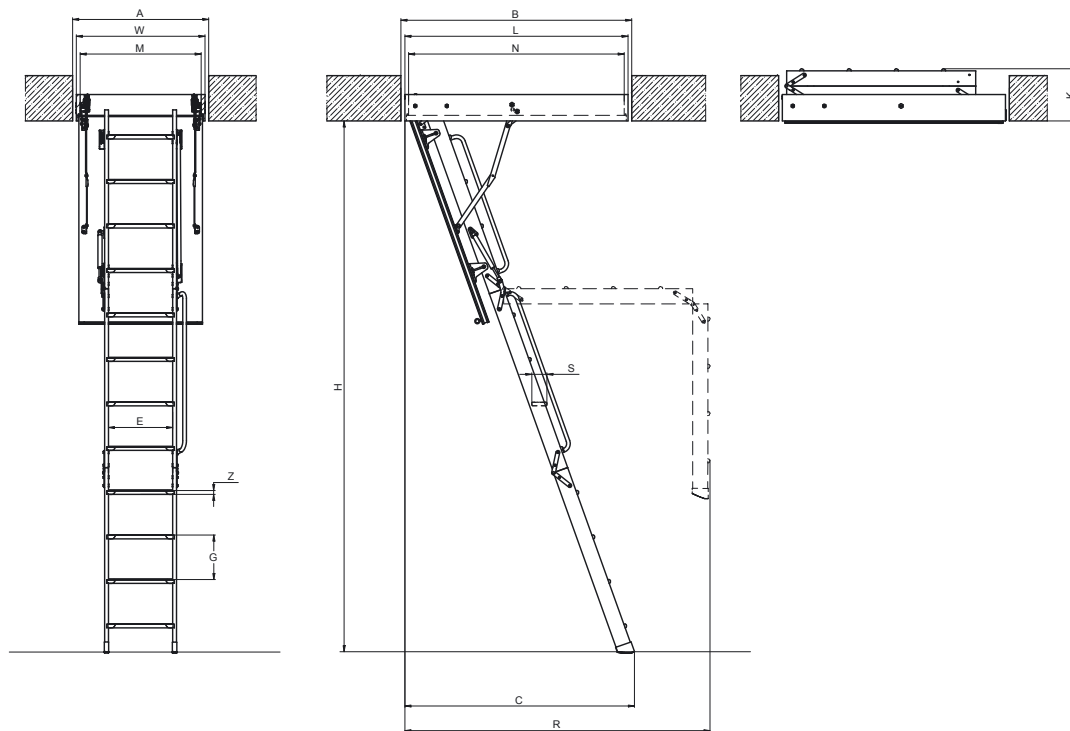
The additional handrail adds significantly to overall safety and usage comfort.



The gas spring facilitates folding and unfolding the ladder.

Technical specification

maximum loading 160 kg
heat transmission coefficient **U = 1.1 W/m²K**
insulation thickness 3 cm
hatch thickness 3.6 cm

**LOFT LADDER DIMENSIONS**

| Ceiling opening dimensions [cm] | AxB | 60x120 | 70x120 | 70x130 | 70x140 | 60x130 | 70x130 | 70x140 |
|--------------------------------------|-----|----------|----------|----------|----------|----------|----------|----------|
| Room height [cm] | H | 280 | | | | 305 | | |
| Box external dimensions [cm] | WxL | 58 x 118 | 68 x 118 | 68 x 128 | 68 x 138 | 58 x 128 | 68 x 128 | 68 x 138 |
| Internal box dimensions [cm] | MxN | 54 x 114 | 64 x 114 | 64 x 124 | 64 x 134 | 54 x 124 | 64 x 124 | 64 x 134 |
| Folded ladder height [cm] | K | 34 | | | | | | |
| Swing space [cm] | R | 164 | | | | 179 | | |
| Distance after ladder unfolding [cm] | C | 122 | | | | 130 | | |
| Box height [cm] | | 14 | | | | | | |

LADDER PARAMETERS

| Tread length E [cm] | Tread width S [cm] | Tread thickness Z [cm] | Distance between treads G [cm] |
|------------------------|-----------------------|---------------------------|-----------------------------------|
| 34 | 8 | 2 | 25 |

LOFT LADDER

| Sizes [cm] | | 60x120 | 70x120 | 70x130 | 70x140 | 60x130 | 70x130 | 70x140 |
|------------------|---|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | |
| Room height [cm] | H | 280 | | | | 305 | | |

order processing time 15 working days



WOODEN FOLDING SECTION LOFT LADDERS

LTK
THERMO

U = 0.76
W/m²K



The **LTK Thermo** Loft Ladder is a highly insulated ladder intended for buildings with significant temperature differences between the living areas and non-habitable spaces in the loft. The structure is similar to that of the LWK Komfort Loft Ladder but features a highly insulated white hatch as standard. The frame height reaches 22cm inside the loft when fully closed.

FEATURES



stile ends



white hatch



handrail



treads protruding from strings



possibility of installing additional accessories
(balustrade, slats, upper hatch)



fully assembled and ready
for quick installation in the ceiling

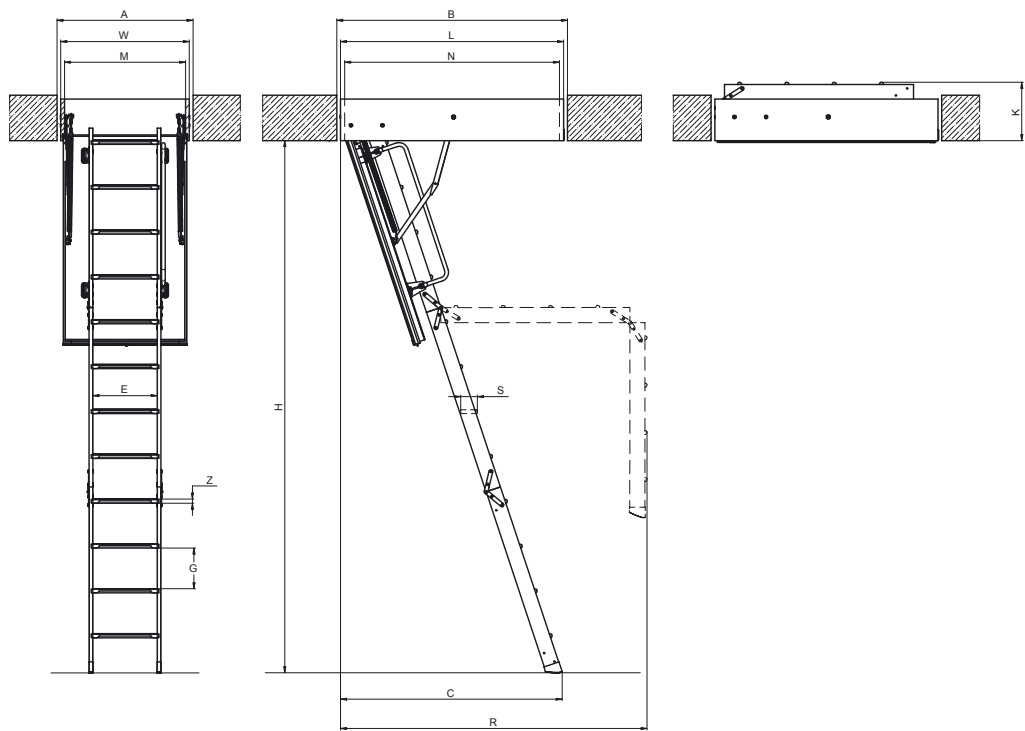


The 6.6cm thick hatch is characterised by outstanding insulation parameters ensuring $U_{\text{loft ladder}} = 0.76 \text{ W/m}^2\text{K}$. It has a wooden structure filled from the inside with insulating material. Such a structure ensures heat retention and protects against excessive cooling of the habitable loft spaces.

Satisfies the requirements of EN 14975

Technical specification
maximum loading 160 kg
heat transmission coefficient $U = 0.76 \text{ W/m}^2\text{K}$
insulation thickness 6 cm
hatch thickness 6.6 cm

the highest tightness class as per EN 12207



LOFT LADDER DIMENSIONS

| | | | | | |
|--------------------------------------|------------|------------|------------|------------|----------|
| Ceiling opening dimensions [cm] | AxB | 60x120 | 70x120 | 70x130 | 70x140 |
| Room height [cm] | H | 280 | | | |
| Box external dimensions [cm] | WxL | 58 x 118.4 | 68 x 118.4 | 68 x 128.4 | 68x138.4 |
| Internal box dimensions [cm] | MxN | 54 x 114 | 64 x 114 | 64 x 124 | 64x134 |
| Folded ladder height [cm] | K | 37 | | | |
| Swing space [cm] | R | 164 | | 167 | |
| Distance after ladder unfolding [cm] | C | 118 | | 121 | |
| Box height [cm] | | 22 | | | |

LADDER PARAMETERS

| | | | |
|----------------------------------|---------------------------------|-------------------------------------|---|
| Tread length E [cm] | Tread width S [cm] | Tread thickness Z [cm] | Distance between treads G [cm] |
| 34 | 8 | 2 | 25 |

LOFT LADDER

| | | | | | |
|------------------|----------|--------|--------|--------|--------|
| Sizes [cm] | | 60x120 | 70x120 | 70x130 | 70x140 |
| | | | | | |
| Room height [cm] | H | 280 | | | |

order processing time 10 working days

Loft ladders available only in sizes specified above.



WOODEN FOLDING SECTION LOFT LADDERS



The **LWF** Fire-Resistant Loft Ladder acts as a blaze-block in the event of fire inside the building, thanks to its high fire-resistant properties, (EI₂: 30 min). The LWF is perfect for installations subject to stipulations as specified in the building regulations. The unique special unloading mechanism eliminates the need for a lock.



stile ends



white hatch



handrail



treads protruding from strings



possibility of installing additional accessories (balustrade, slats, upper hatch)



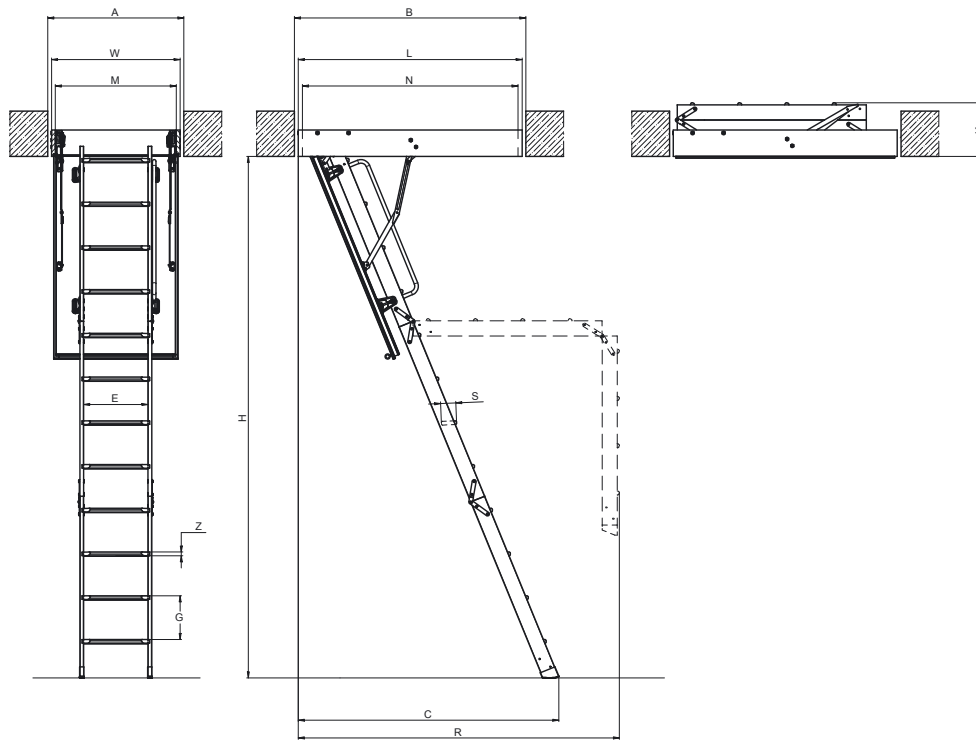
fully assembled and ready for quick installation in the ceiling



The loft ladder hatch is equipped with an expanding seal which under the influence of high temperature increases its volume and prevents the smoke from entering the fire free storey.

Satisfies the requirements of EN 14975 and EN 1363-1

Technical specification
maximum loading: 160 kg
fire-resistance EI₂: 30 minutes
insulation thickness: 3 cm
hatch thickness: 4.2 cm



LOFT LADDER DIMENSIONS

| Ceiling opening dimensions [cm] | AxB | 60x120 | 70x120 | 70x130 | 70x140 | 86x130 | 70x140 | 70x130 | 86x130 |
|--------------------------------------|-----|------------|------------|------------|------------|-----------|------------|------------|-----------|
| Room height [cm] | H | 280 | | | | | 305 | | |
| Box external dimensions [cm] | WxL | 58 x 118.4 | 68 x 118.4 | 68 x 128.4 | 68 x 138.4 | 84x 128.4 | 68 x 128.4 | 68 x 138.4 | 84x 128.4 |
| Internal box dimensions [cm] | MxN | 54 x 114 | 64 x 114 | 64 x 124 | 64 x 134 | 80 x 124 | 64 x 124 | 64 x 134 | 80 x 124 |
| Folded ladder height [cm] | K | 35 | | | | | | | |
| Swing space [cm] | R | 172 | | 177 | | | 194 | | |
| Distance after ladder unfolding [cm] | C | 140 | | 152 | | | 163 | | |
| Box height [cm] | | 14 | | | | | | | |

LADDER PARAMETERS

| Tread length E [cm] | Tread width S [cm] | Tread thickness Z [cm] | Distance between treads G [cm] |
|---------------------------|--------------------------|------------------------------|--------------------------------------|
| 34 | 8 | 2 | 25 |

LOFT LADDER

| Sizes [cm] | | 60x120 | 70x120 | 70x130 | 70x140 | 86x130 | 70x140 | 70x130 | 86x130* |
|------------------|---|--------|--------|--------|--------|--------|--------|--------|---------|
| | | | | | | | | | |
| Room height [cm] | H | 280 | | | | | 305 | | |

order processing time 10 working days



SLIDING SECTION LOFT LADDER

LDK

U=1.1
W/m²K



The **LDK** Loft Ladder is a double-section loft ladder with a slidable lower section. Its structure resembles that of folding loft ladders. The primary difference in the operation of the LDK is that the longer bottom section simply slides up into the loft space, eliminating the swing space required on the landing for unfolding the ladder. The structure of the double-section loft ladder makes it possible to set the ladder deeper in the ceiling.

FEATURES



white hatch



handrail



steps protruding from strings



possibility of additional accessory installation
(balustrade, slats, upper hatch)



fully assembled and ready
for quick installation in the ceiling

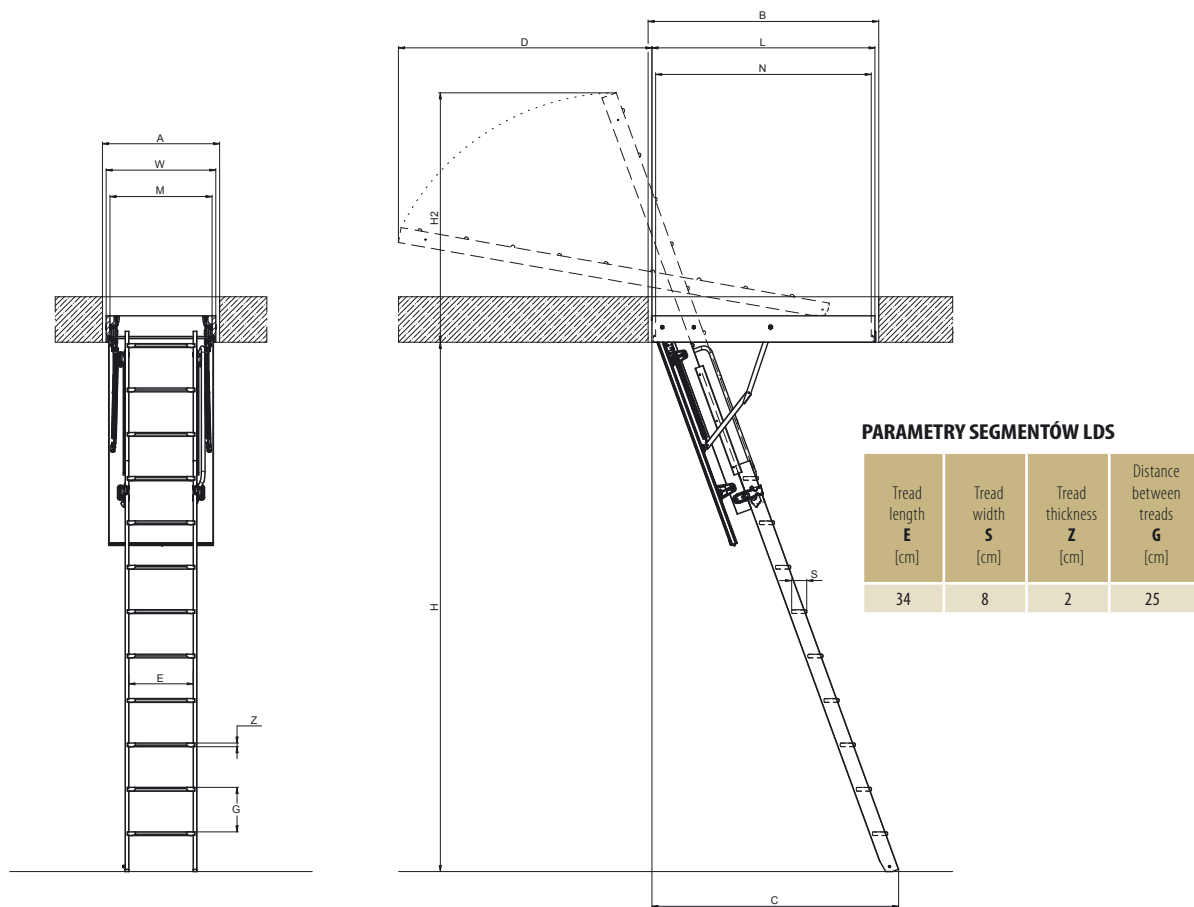


The developed mechanism enables sections to be slid in relation to each other. The longer section slides down creating a stable structure. When folding the ladder, the longer section slides up and hides in the attic.

Satisfies the requirements of EN 14975

Technical specification

maximum loading 160 kg
heat transmission coefficient $U = 1.1 \text{ W/m}^2\text{K}$
insulation thickness 3 cm
hatch thickness 3.6 cm



LOFT LADDER DIMENSIONS

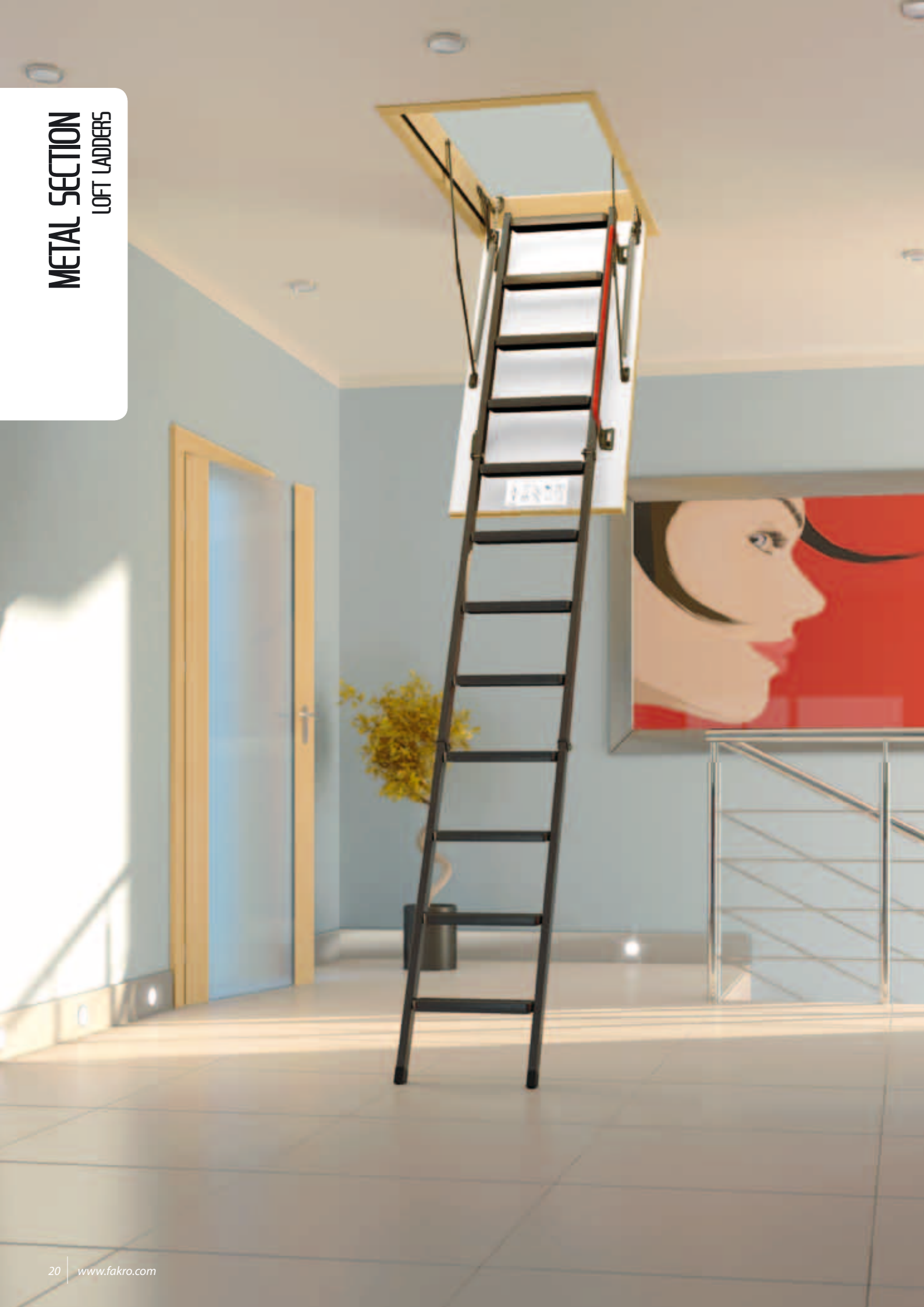
| Ceiling opening dimensions [cm] | AxB | 60x120 | 70x120 | 70x130 | 70x140 | 60x120 | 70x120 | 70x130 | 70x140 | 60x120 | 70x120 | 70x130 | 70x140 |
|---|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sliding section LDS | | LDS-9 | | | | LDS-10 | | | | LDS-11 | | | |
| Room height [cm] | H | 280 | | | | 300 | | | | 335 | | | |
| Box external dimensions [cm] | W x L | 58 x 118.4 | 68 x 118.4 | 68 x 128.4 | 68 x 138.4 | 58 x 118.4 | 68 x 118.4 | 68 x 128.4 | 68 x 138.4 | 58 x 118.4 | 68 x 118.4 | 68 x 128.4 | 68 x 138.4 |
| Internal dimensions of the box [cm] | M x N | 54 x 114 | 64 x 114 | 64 x 124 | 64 x 134 | 54 x 114 | 64 x 114 | 64 x 124 | 64 x 134 | 54 x 114 | 64 x 114 | 64 x 124 | 64 x 134 |
| Distance of drop [cm] | C | 130 | | | | 140 | | | | 150 | | | |
| Max height of the loft required [cm] | H2 | 130 | | | | 155 | | | | 184 | | | |
| Max length of the loft required with hatch door closed [cm] | D | 129 | | | | 155 | | | | 185 | | | |
| Box height [cm] | | | | | | 14 | | | | | | | |
| Max thickness of the ceiling [cm] | | | | | | 31.5 | | | | | | | |

LOFT LADDER

| Sizes [cm] | | 60x120 | 70x120 | 70x130 | 70x140 | 60x120 | 70x120 | 70x130 | 70x140 | 60x120 | 70x120 | 70x130 | 70x140 |
|------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | | | | | | |
| Room height [cm] | H | 280 | | | | 305 | | | | 335 | | | |

order processing time 10 working days

METAL SECTION LOFT LADDERS



BOX

The Loft Ladder box is made of wood. Within the milled section is situated a **peripheral seal**. Once the hatch is closed, this seal ensures proper tightness of the entire box structure. The special box design enables quick and easy fitting of finishing lining or architrave.

HATCH UNLOADING MECHANISM

Operation of the Loft 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

The hatch is manufactured from wood and the applied insulation strip **protects against heat loss** from the ladder. The external aesthetically pleasing hatch finish is smooth with no further visible fixing elements ensuring that the Loft Ladder goes well with any interior design.

TREADS

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

STILE ENDS

Made from 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 **guarantee high ladder strength**. The ladder elements are powder-coated with hard wearing lacquer in grey RAL 7022.





FOLDING METAL SECTION LOFT LADDER

LWM

U=1.1
W/m²K



The **LWM** Loft Ladder is a 3-section ladder where both the hatch and box are made of pine wood. The ladder itself is made of powder-coated metal RAL 7022. The hatch colour is beige, allowing it to be veneered or painted in any colour to match the interior design.

FEATURES



stile ends



beige hatch



treads protruding from strings



possibility of installing additional accessories
(balustrade, slats, handrail, upper hatch)



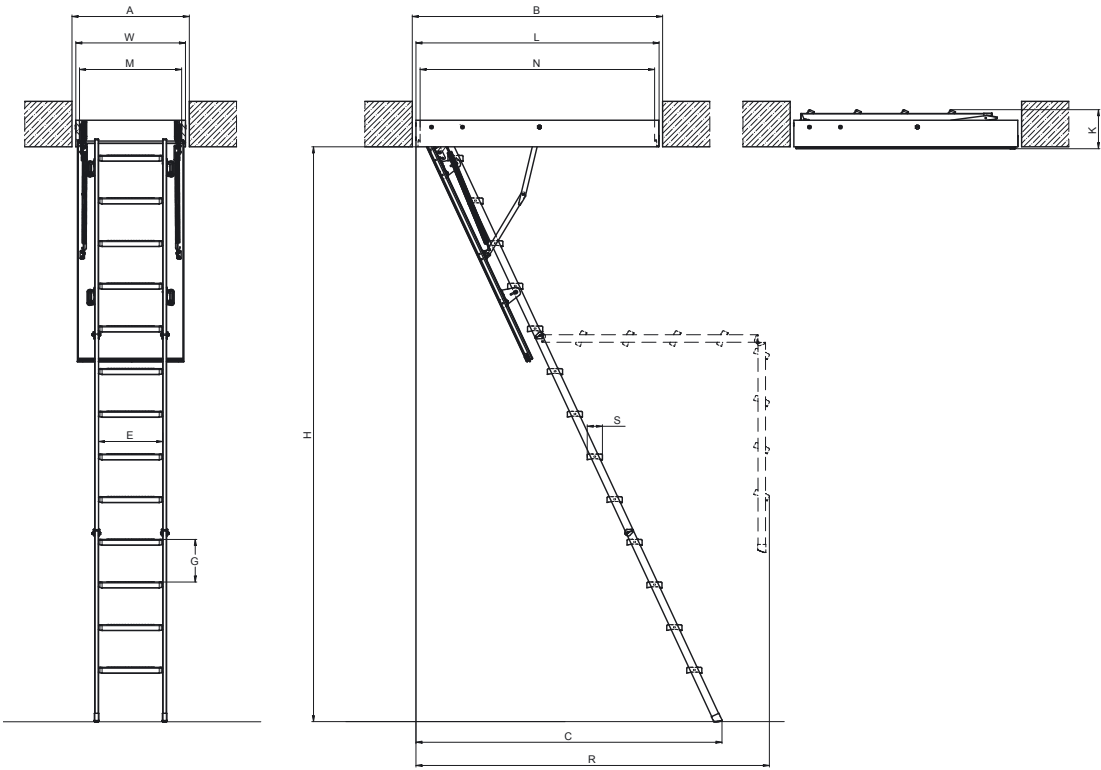
fully assembled and ready
for quick installation in the ceiling



The use of metal ladder with
special hinge structure guarantees
high durability – maximum
loading 200kg

Satisfies the requirements of EN 14975

Technical specification
permissible loading 200 kg
heat transmission coefficient $U = 1.1 \text{ W/m}^2\text{K}$
insulation thickness 3 cm
hatch thickness 3.6 cm










LOFT LADDER DIMENSIONS



| LOFT LADDER DIMENSIONS [cm] | AxB | 60x120 | 70x120 | 70x130 | 70x140 | 60x130 | 70x130 | 70x140 |
|--------------------------------------|-----|------------|------------|------------|------------|------------|------------|------------|
| Room height [cm] | H | 280 | | | | 305 | | |
| Box external dimensions [cm] | WxL | 58 x 118.4 | 68 x 118.4 | 68 x 128.4 | 68 x 138.4 | 58 x 128.4 | 68 x 128.4 | 68 x 138.4 |
| Internal box dimensions [cm] | MxN | 54 x 114 | 64 x 114 | 64 x 124 | 64 x 134 | 54 x 124 | 64 x 124 | 64 x 134 |
| Folded ladder height [cm] | K | 25.5 | | | | | | |
| Swing space [cm] | R | 157 | | | | 175 | | |
| Distance after ladder unfolding [cm] | C | 118.5 | | | | 127 | | |
| Box height [cm] | | 14 | | | | | | |

LADDER PARAMETERS

| Tread length E [cm] | Tread width S [cm] | Distance between treads G [cm] |
|---------------------------|--------------------------|--------------------------------------|
| 34 | 8 | 25 |

LOFT LADDER

| Sizes [cm] | | 60x120 | 70x120 | 70x130 | 70x140 | 60x130 | 70x130 | 70x140 |
|------------------|---|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |  |
| Room height [cm] | H | 280 | | | | 305 | | |

-  order processing time 10 working days
-  order processing time 15 working days

Loft ladders available only in sizes specified above.



LWM SEGMENT LOFT LADDER WITH METAL HANDRAIL

LWM-K

U=1.1
W/m²K



The LWM-K Loft Ladder unlike the LWM model, is equipped with a white hatch and red safety handrail. The safety handrail is attached to the ladder brackets and significantly increases ease of use of the ladder whilst decreasing the user's risk of accident.

FEATURES



stile ends



white hatch



handrail



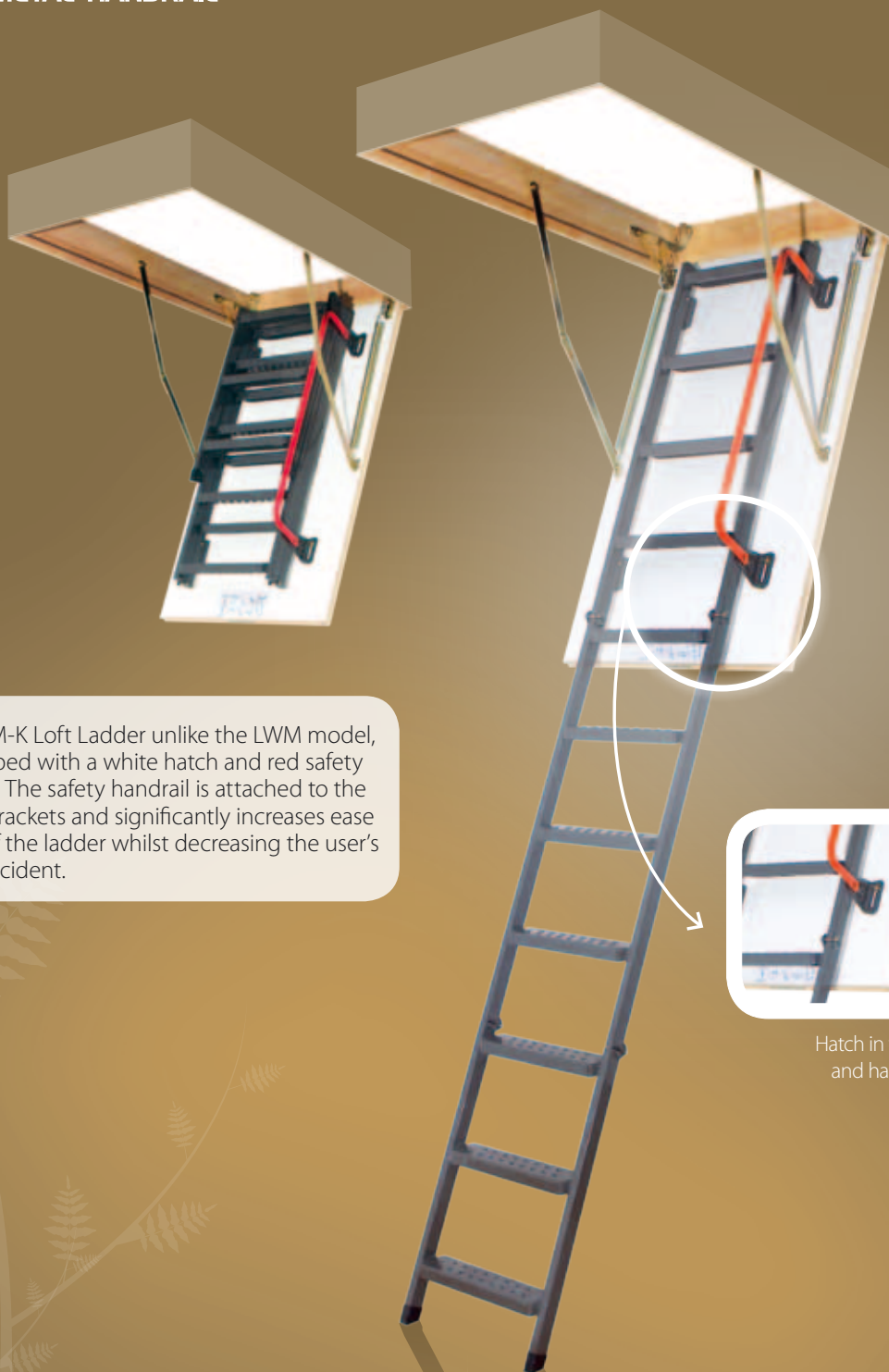
treads protruding from strings



possibility of installing additional accessories
(balustrade, slats, upper hatch)



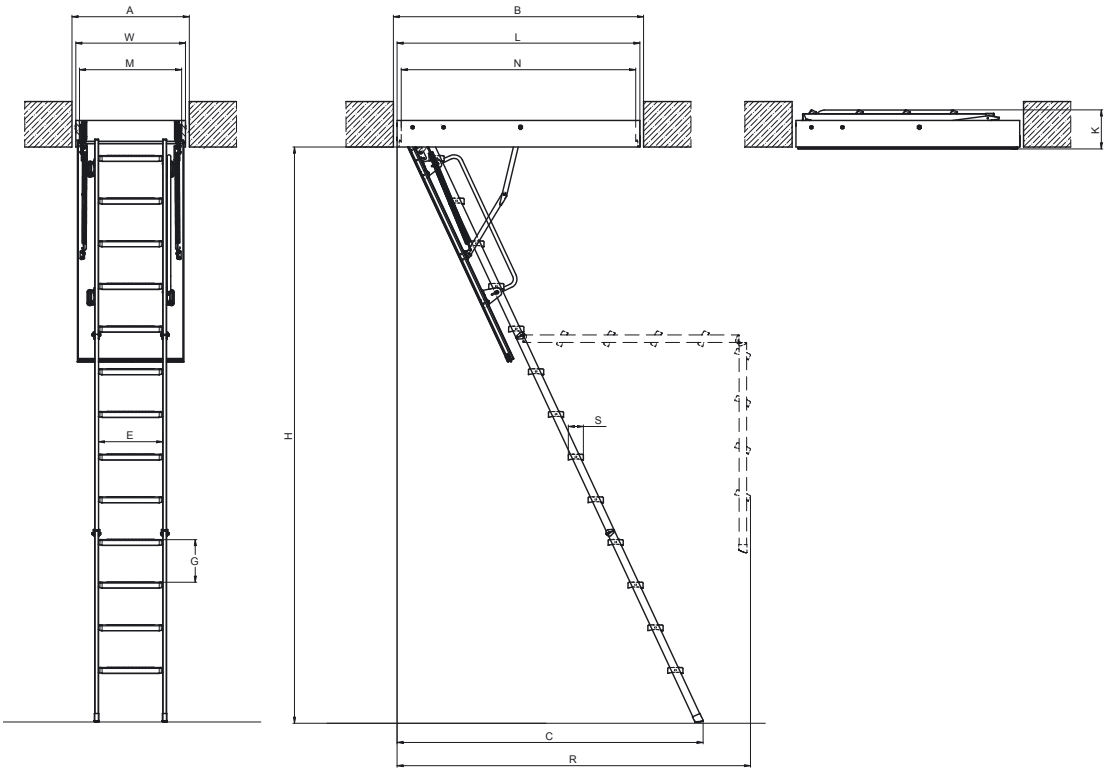
fully assembled and ready
for quick installation in the ceiling



Hatch in white
and handrail

Satisfy the requirements of EN 14975

Technical specification
permissible loading 200 kg
heat transmittance coefficient $U=1.1 \text{ W/m}^2\text{K}$
insulation thickness 3 cm
hatch thickness 3.6 cm



LOFT LADDER DIMENSIONS

| | | | | | | | | |
|--------------------------------------|-----|------------|------------|------------|------------|------------|------------|------------|
| Ceiling opening dimensions [cm] | AxB | 60x120 | 70x120 | 70x130 | 70x140 | 60x130 | 70x130 | 70x140 |
| Room height [cm] | H | 280 | | | | 305 | | |
| Box external dimensions [cm] | WxL | 58 x 118.4 | 68 x 118.4 | 68 x 128.4 | 68 x 138.4 | 58 x 128.4 | 68 x 128.4 | 68 x 138.4 |
| Internal box dimensions [cm] | MxN | 54 x 114 | 64 x 114 | 64 x 124 | 64 x 134 | 54 x 124 | 64 x 124 | 64 x 134 |
| Folded ladder height [cm] | K | 25.5 | | | | | | |
| Swing space [cm] | R | 157 | | | | 175 | | |
| Distance after ladder unfolding [cm] | C | 118.5 | | | | 127 | | |
| Box height [cm] | | 14 | | | | | | |

LADDER PARAMETERS

| | | |
|----------------------------------|---------------------------------|---|
| Tread length E [cm] | Tread width S [cm] | Distance between treads G [cm] |
| 34 | 8 | 25 |

LOFT LADDER

| | | | | | | | | |
|------------------|----------|--------|--------|--------|--------|--------|--------|--------|
| Sizes [cm] | | 60x120 | 70x120 | 70x130 | 70x140 | 60x130 | 70x130 | 70x140 |
| | | | | | | | | |
| Room height [cm] | H | 280 | | | | 305 | | |

Order processing time

SECTION LOFT LADDERS – LOFT LADDER ACCESSORIES

LOFT BALUSTRADE **LXB**

The loft balustrade protects the user from falling through the opening in the ceiling and it also facilitates an easier descent on the ladder. Made from pine wood, the balustrade is mounted onto the ladder box within the attic and is strengthened with flat-bars on the entrance side. Available in size 70x130cm only, the balustrade can be cut to suit smaller ladder sizes if required. For sizes greater than 70x130cm, the supplier will require the exact size prior to ordering. The balustrade height inside the loft is 95cm.



Balustrade sizes

70x130x95 [cm]

order processing time 3 working days
non-standard sizes- 20 working days

STILE ENDS **LXS**

The brown stile ends are finishing elements mounted on the base of the ladder, adding a smart touch to its appearance. They add to the ladder's stability and are made from specially selected material to protect the floor from being scratched. They are easy to install and they can be mounted on ladders already in use.



order processing time 3 working days

INSTALLATION BRACKETS **LXK**

Installation brackets facilitate Loft Ladder installation in the ceiling. Installed in the corners of the box, they add to its overall rigidity ensuring equal lengths of diagonals. Bolts are screwed into brackets guaranteeing quick and accurate levelling of the Loft Ladder in the ceiling. The quick-installation brackets are powder coated in RAL 7022 as standard. Thanks to a simple installation system, they can be fixed to folding or sliding section loft ladder. Adjusted to ceilings up to 35cm thick for all section loft ladders except for LTK for which the maximum ceiling thickness is 43cm.



order processing time 3 working days

UPPER HATCH **LXW**

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 upper hatch consists of a frame with 3.6cm thick hatch door, hardware, installation brackets, gas piston and rotational closing handle. Additionally, the frame is equipped with a peripheral gasket. The height of the box is 12cm. The hatch is available in standard dimensions for all models of FAKRO Loft Ladders except for LDK and LSF.



LINING LXL

Lining is designed to finish the installation of the loft ladder and to cover gaps in the ceiling which remain after the fitting process. The lining elements are made from solid pine wood (LXL lining) or PVC (LXL-PVC lining). This quick and simple fitting process ensures a fast, aesthetically pleasing finish of the installed Loft Ladder. In the case of PVC lining, connection with the box does not require any nails. The LXL-PVC lining is available in white and compatible solely with the loft ladders manufactured after March 2009 (except for LWF). Properly selected width (3.5cm) of LXL and LXL-PVC lining provides the impression of a professional installation of the ladder.

LXL



LXL - PVC



order processing time 3 working days
non-standard sizes – 20 working days

| | Loft ladder models | | |
|----------------|-----------------------------------|-----|------------|
| | LWS/LWK/LTK/LWL/LWF | LDK | LWM/ LWM-K |
| LXL lining | 70 x 140 cm* | | |
| | LWS/LWK/LTK/LWL | LDK | LWM/ LWM-K |
| LXL-PVC lining | 60 / 70 x 120 cm and 86 x 140 cm* | | |

* - for smaller loft ladder sizes requires cutting

HANDRAIL LXH

The metal handrail makes climbing the ladder easier, hence increasing user comfort and safety. The LXH handrail can be mounted onto the upper as well as lower ladder sections. The table below will help to select the correct handrail for a given Loft Ladder model.



| | Room height | Loft ladder model | | |
|---|--------------|-------------------------|--------------|------------|
| | | LWS/LWK/LTK/LWF | LDK | LWM/ LWM-K |
| Handrail mounted onto the upper ladder segment. | Inapplicable | LXH 50/17 or LXH 75/17* | LXH 75/16 | LXH 75/14 |
| Handrail mounted onto the middle ladder segment** | 280 | LXH 88/9 | Inapplicable | |
| | 305 | LXH 99/9 | | |
| | 325 | LXH 106/9 | | |

order processing time 10 working days

* - handrails LXH 50/17 are installed to ladder with boxes up to 100cm in length, whereas ladders equipped with boxes over 100cm in length are fitted with handrails LXH 75/17

** - does not concern 4-section loft ladders.

Non-standard sizes of LWS and LWK loft ladders

| Co-relation between opening length and room height | | Number of segments | Ceiling opening width [cm] | External width of ladder section [cm] |
|--|------------------------------------|--------------------|----------------------------|---------------------------------------|
| Room height [cm] | Opening length in the ceiling [cm] | | | |
| 280 | 94 ÷ 140 | 4 | 50 ÷ 55 56 ÷ 82 | 34 38 |
| 280 | 111 ÷ 140 | 3 | 50 ÷ 55 56 ÷ 82 | 34 38 |
| 290 | 112 ÷ 140 | 4 | 50 ÷ 55 56 ÷ 82 | 34 38 |
| 305 | 130 ÷ 140 | 3 | 50 ÷ 55 56 ÷ 82 | 34 38 |

Loft ladders narrower than 55cm (opening width in the ceiling) cannot be fitted with handrails.

When ordering loft ladders in non-standard sizes, it is necessary to provide the real opening dimensions in the ceiling.

The loft ladder dimensions will be smaller to provide for installation clearance.

Order processing time 20 working days

SCISSORS LOFT LADDERS



BOX

The box can be made of wood, metal, or a metal framework combined with wooden box. The box is equipped with a **peripheral seal** and **lining 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 Loft 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 Scissors Loft 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.

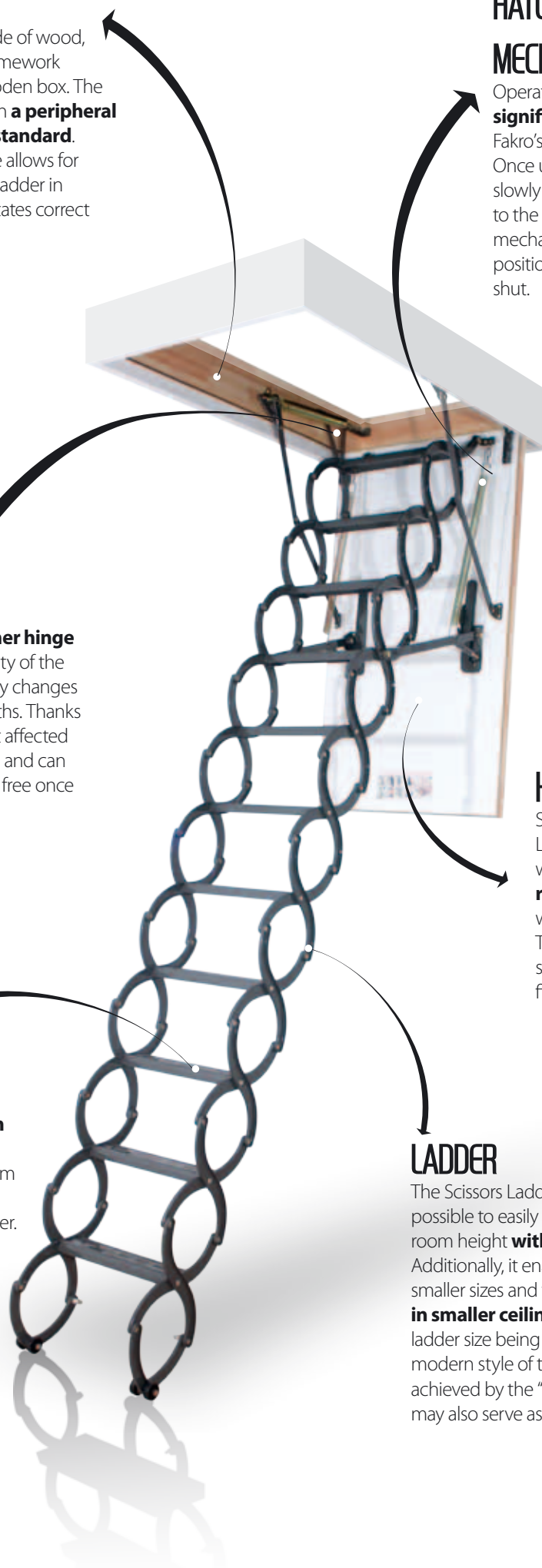
TREADS

The specially embossed pattern

on the tread surface protects the user from accidental slipping while using the ladder.

LADDER

The Scissors 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 50x70 cm). The elegant and modern style of the Scissors Loft Ladder is achieved by the "S"-shaped stringers which may also serve as handrails.





LST SCISSORS LOFT LADDER WITH HEAT-INSULATING HATCH

LST

U=1.1
W/m²K



The **LST** Loft Ladder is a Scissors Loft Ladder equipped with a 3.6cm thick white insulated hatch as standard. The box structure is made of wood and features quick-installation brackets as standard. The hatch unloading mechanism supports the unit in any opening position in addition to when fully opened. This guarantees safe ladder folding and unfolding. Additionally, its structure eliminates the need for a lock. The ladder itself is powder-coated in grey RAL 7022. Overall floor-ceiling ladder height can be increased to a maximum 330cm by adding two LSS segments.

FEATURES



white hatch
box with lining



"S"-shaped strings



possibility of adding or detaching
segments



possibility of additional accessory installation
(balustrade, upper hatch)



fully assembled and ready
for quick installation in the ceiling

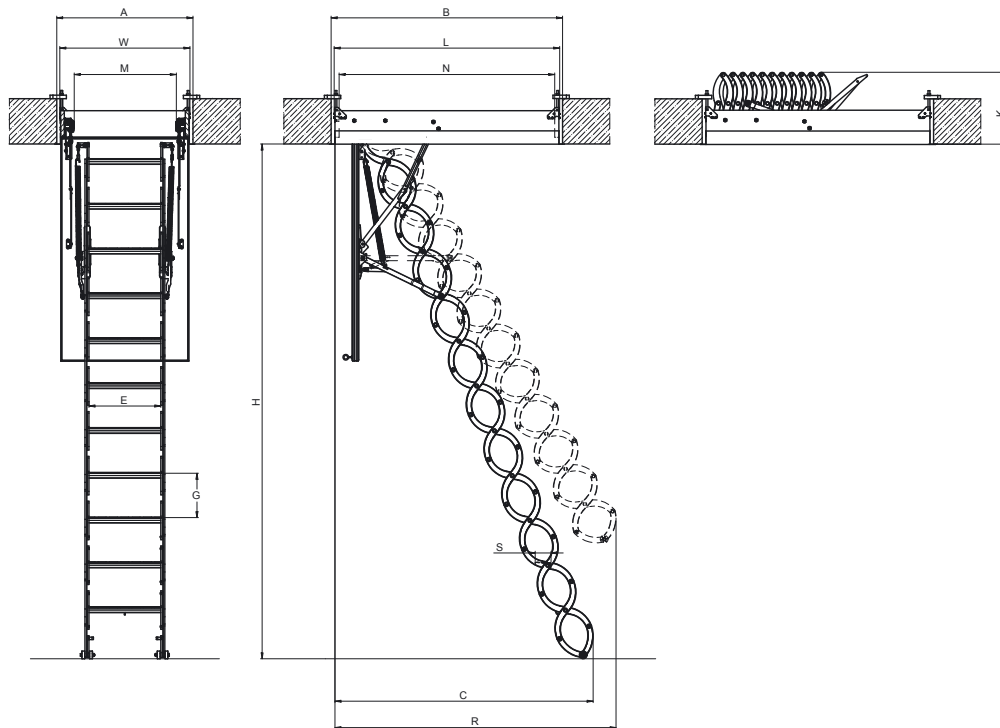


wooden box with finishing
lining and quick-installation
brackets

Satisfies the requirements of EN 14975

Technical specification

maximum loading 200 kg
heat transmission coefficient $U = 1.1 \text{ W/m}^2\text{K}$
insulation thickness 3 cm
hatch thickness 3.6 cm








LADDER PARAMETERS

| | | 50x... | 60x... | 70x... |
|------------------------------------|----------|--------|--------|--------|
| Tread length [cm] | E | 26 | 30 | 38 |
| Tread width [cm] | S | 8 | | |
| Distance between treads [cm] | G | 25 | | |
| Standard quantity of treads [pcs.] | | 11 | | |

LOFT LADDER DIMENSIONS

| | | Standard ladder length | | | | | Ladder shorter by 1 tread | | Ladder longer by 1 tread | | Ladder longer by 2 tread | | |
|--------------------------------------|------------|------------------------|---------|----------|---------|----------|---|-----|--------------------------|-----|--------------------------|-----|-----|
| Ceiling opening dimensions [cm] | AxB | 51x80 | 60x90 | 60x120 | 70x80 | 70x120 | 230 | 240 | 290 | 300 | 310 | 320 | 330 |
| Room height [cm] | H | 250 - 280 | | | | | The loft ladder sizes and dimensions not included in the table are identical to those of 250-280cm high loft ladders. | | | | | | |
| Box external dimensions [cm] | WxL | 51x794 | 59x894 | 59x1194 | 69x794 | 69x1194 | | | | | | | |
| Internal box dimensions [cm] | MxN | 46 x 74 | 54 x 84 | 54 x 114 | 64 x 74 | 64 x 114 | | | | | | | |
| Folded ladder height [cm] | K | 38.2 | | | | | | | | | | | |
| Swing space [cm] | R | 150 | | | | | 140 | | 160 | | 170 | | |
| Distance after ladder unfolding [cm] | C | 146-134 | | | | | 135 | 131 | 150 | 145 | 160 | 156 | 150 |
| Box height [cm] | | 18 | | | | | 18 | | | | | | |

LOFT LADDER

| Sizes [cm] | | 51x80 | 60x90 | 60x120 | 70x80 | 70x120 |
|------------------|----------|---|---|---|---|---|
| | |  |  |  |  |  |
| Room height [cm] | H | 250 - 280 | | | | |

 order processing time 10 working days



SCISSORS LOFT LADDERS

LSZ

U=1.1
W/m²K



The **LSZ** Loft Ladder structure is the same as the LST model except for the box structure which consists of a metal framework integrated with wooden box and quick-installation bracket. Similarly to the LST loft ladder, the hatch unloading mechanism holds the unit in any position when fully opened. This guarantees safe folding and unfolding the ladder.

The unique special unloading mechanism eliminates the need for a lock. The overall floor-ceiling ladder height can be increased to a maximum 330cm by adding two LSS segments.

FEATURES



white hatch
box with lining



"S"-shaped ladder strings



possibility of adding or detaching
segments



possibility of additional accessory installation
(balustrade, upper hatch)



fully assembled and ready
for quick installation in the ceiling

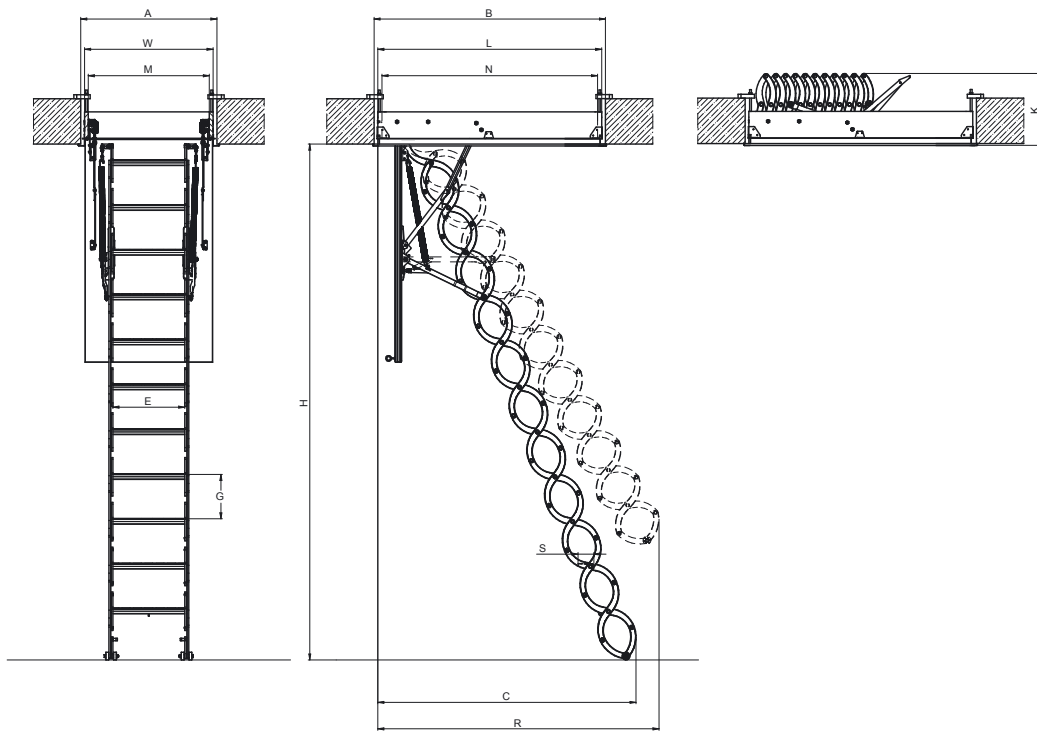


metal frame integrated with
wooden box with lining and quick-
installation brackets

Satisfy the requirements of EN 14975

Technical specification

maximum loading 200 kg
heat transmission coefficient $U = 1.1 \text{ W/m}^2\text{K}$
insulation thickness 3 cm
hatch thickness 3.6 cm




LADDER PARAMETERS

| | | 50x... | 60x... | 70x... |
|-----------------------------------|----------|--------|--------|--------|
| Tread length [cm] | E | 26 | 30 | 38 |
| Tread width [cm] | S | 8 | | |
| Distance between treads [cm] | G | 25 | | |
| Standard quantity of treads [pcs] | | 11 | | |

LOFT LADDER DIMENSIONS

| | | Standard ladder length | | | Ladder shorter by 1 tread | | Ladder longer by 1 tread | | Ladder longer by 2 tread | | |
|--------------------------------------|-----|------------------------|---------|----------|---|-----|--------------------------|-----|--------------------------|-----|-----|
| Ceiling opening dimensions[cm] | AxB | 50x80 | 70x80 | 70x120 | 230 | 240 | 290 | 300 | 310 | 320 | 330 |
| Room height [cm] | H | 250 - 280 | | | The loft ladder sizes and dimensions not included in the table are identical to that of 250-280cm long ladders. | | | | | | |
| Box external dimensions [cm] | WxL | 51x794 | 69x794 | 69x1194 | | | | | | | |
| Internal box dimensions [cm] | MxN | 36 x 74 | 54 x 74 | 54 x 114 | | | | | | | |
| Folded ladder height [cm] | K | 38.2 | | | | | | | | | |
| Swing space [cm] | R | 150 | | | 140 | | 160 | | 170 | | |
| Distance after ladder unfolding [cm] | C | 146 -134 | | | 135 | 131 | 150 | 145 | 160 | 156 | 150 |
| Box height [cm] | | 18 | | | 18 | | | | | | |

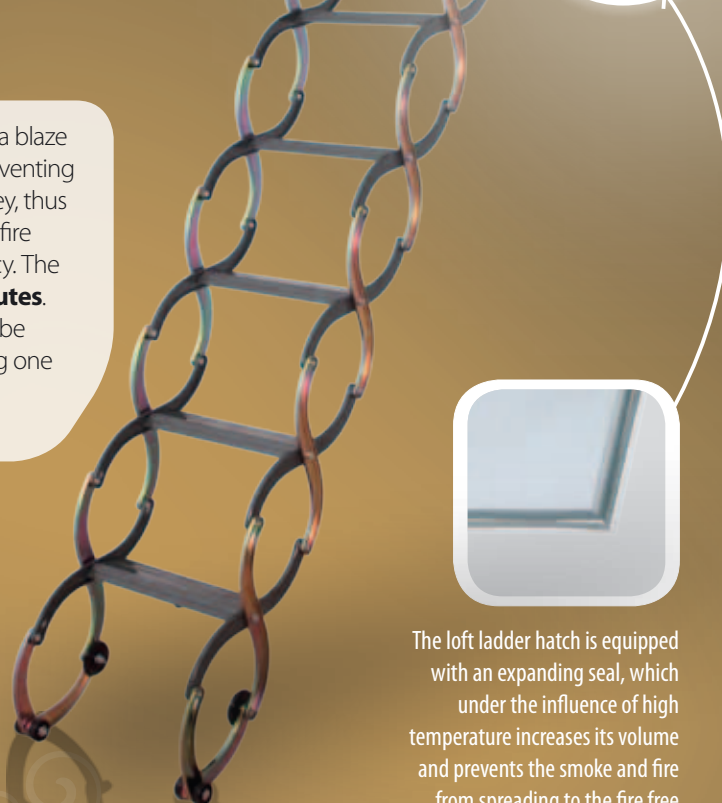
LOFT LADDER

| Sizes [cm] | | 50x80 | 70x80 | 70x120 |
|------------------|----------|---|---|---|
| | |  |  |  |
| Room height [cm] | H | 250 - 280 | | |

order processing time 10 working days

There is available additional step LSS
When ordering, provide ladder size, please

SCISSORS LOFT LADDERS



The **LSF** Fire-Resistant Loft Ladder acts as a blaze block in case of fire inside the building preventing the smoke from entering the fire-free storey, thus providing additional precious time for the fire services to arrive in the event of emergency. The Loft Ladder fire-resistance is **EI₂ = 60 minutes**. The overall floor-ceiling ladder height can be increased to a maximum 320cm by adding one LSS segment.

The loft ladder hatch is equipped with an expanding seal, which under the influence of high temperature increases its volume and prevents the smoke and fire from spreading to the fire free storey.

FEATURES



white hatch
box with lining



"S"-shaped ladder stringer



possibility of adding
or detaching segments

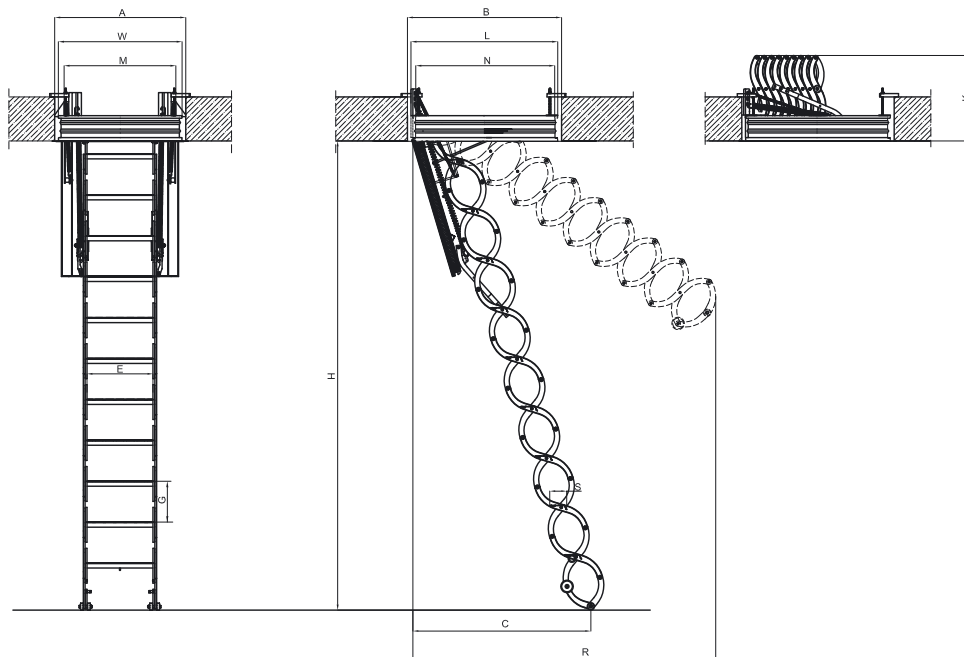


fully assembled and ready
for quick installation in the ceiling

Satisfy the requirements of EN14975 and EN 1363-1

Technical specification

maximum loading 250 kg
fire resistance EI₂ 60 min
insulation thickness 3cm
hatch thickness 5.4 cm

**LADDER PARAMETERS**







| | | 50x... | 60x... | 70x... |
|---------------------------------|----------|--------|--------|--------|
| Tread length [cm] | E | 30 | 32 | 40 |
| Tread width [cm] | S | 8 | | |
| Distance between treads [cm] | G | 25 | | |
| Standard number of treads [pcs] | | 10 | | |


LOFT LADDER DIMENSIONS

| | | Standard ladder length | | | | | | |
|--------------------------------------|------------|------------------------|-------------|------------|-------------|-----------|------------|------------|
| Ceiling opening dimensions [cm] | AxB | 50x70 | 60x90 | 60x120 | 70x80 | 70x90 | 70x110 | 70x120 |
| Room height [cm] | H | 280 - 300 | | | | | | |
| Box external dimensions [cm] | WxL | 49x68.5 | 59x88.5 | 59x118.5 | 69x78.5 | 69x88.5 | 69x108.5 | 69x118.5 |
| Internal box dimensions [cm] | MxN | 44.8 x 64.8 | 54.8 x 84.8 | 54.8x114.8 | 64.8 x 74.8 | 64.8x84.8 | 64.8x104.8 | 64.8x114.8 |
| Folded ladder height [cm] | K | 40 | | | | | | |
| Swing space [cm] | R | 175 - 185 | | | | | | |
| Distance after ladder unfolding [cm] | C | 145 - 120 | | | | | | |
| Box height [cm] | | 14 | | | | | | |

| Ladder shorter by 2 steps | | Ladder shorter by 1 step | | Ladder longer by 1 step | |
|--|-----|--------------------------|-----|-------------------------|-----|
| 240 | 250 | 260 | 270 | 310 | 320 |
| Ladder sizes and dimensions not included in table are identical with the ladders 280-300cm in height | | | | | |
| 165 | 160 | 165 | 170 | 200 | 210 |
| 100 | 135 | 140 | 165 | 130 | 140 |
| 14 | | | | | |

LOFT LADDER

| Sizes [cm] | 50x70 | 60x90 | 60x120 | 70x80 | 70x90 | 70x110 | 70x120 |
|--------------------|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |
| Room height H [cm] | 250 - 280 | | | | | | |

 order processing time 10 working days

Loft ladders available only in sizes specified above

WOODEN
"MILLER"
STAIRCASE



STATIONARY STAIRCASE

MSU
UNIVERSAL

The **MSU Universal** "Miller" staircase is a fixed, non-folding staircase manufactured from solid spruce wood. Simple treads as well as carefully selected inclination angle guarantee comfortable ladder usage. Maximum drop for use of the MSU must not exceed 290cm. The external staircase width is 65cm. For comfort and safety, the additional MXH handrail can be obtained; This can be mounted on the left or right side of the stairs. The staircase is ready for quick installation and easy adjustment to the height of the room. After installation it can be painted or lacquered.



MXH safety handrail
mounted on the left or
right side



strong connections between
steps and ladder

FEATURES



treads flush with strings



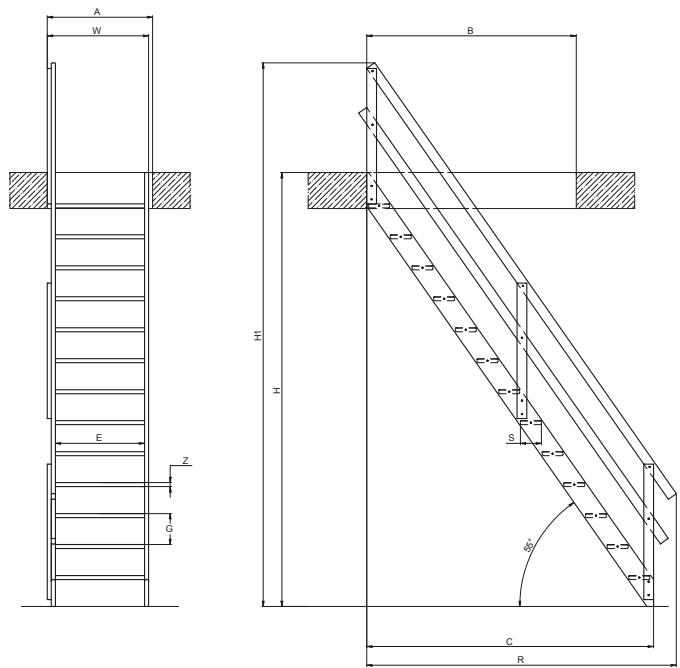
possibility of additional accessory installation



for DIY assembly

Technical specification

maximum loading 160 kg
inclination angle 55°



LOFT LADDER DIMENSIONS

| | | Standard staircase length | After cutting to the height | | | | |
|---|------------|------------------------------|-----------------------------|-----|-----|-----|-----|
| Max. Room height [cm] | H | 290 | 280 | 270 | 260 | 250 | 240 |
| Height of installed staircase with handrail [cm] | H1 | 364 | 354 | 344 | 334 | 324 | 314 |
| Minimum ceiling opening dimensions [cm] | AxB | 70 x 145 | | | | | |
| Area the staircase occupies on the floor [cm] | C | 192 | 185 | 178 | 171 | 164 | 157 |
| Area the staircase occupies on the floor with handrail [cm] | R | 207 | 200 | 193 | 186 | 179 | 172 |
| Staircase width [cm] | W | 65 | | | | | |
| Number of treads [pcs] | | 13 | 12 | 12 | 11 | 11 | 10 |
| Distance between treads [cm] | G | 25 | | | | | |
| Tread thickness [cm] | Z | 2,7 | | | | | |
| Tread length [cm] | E | 60 | | | | | |
| Tread width [cm] | S | 14 | | | | | |
| Staircase inclination angle [°] | | 55 | | | | | |

LOFT LADDER

| | | |
|--------------------|----------|----------|
| Sizes [cm] | | 70 x 145 |
| | | |
| Room height H [cm] | H | 290 |

order processing time 10 working days

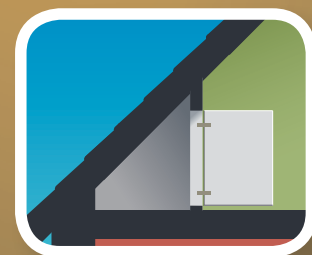
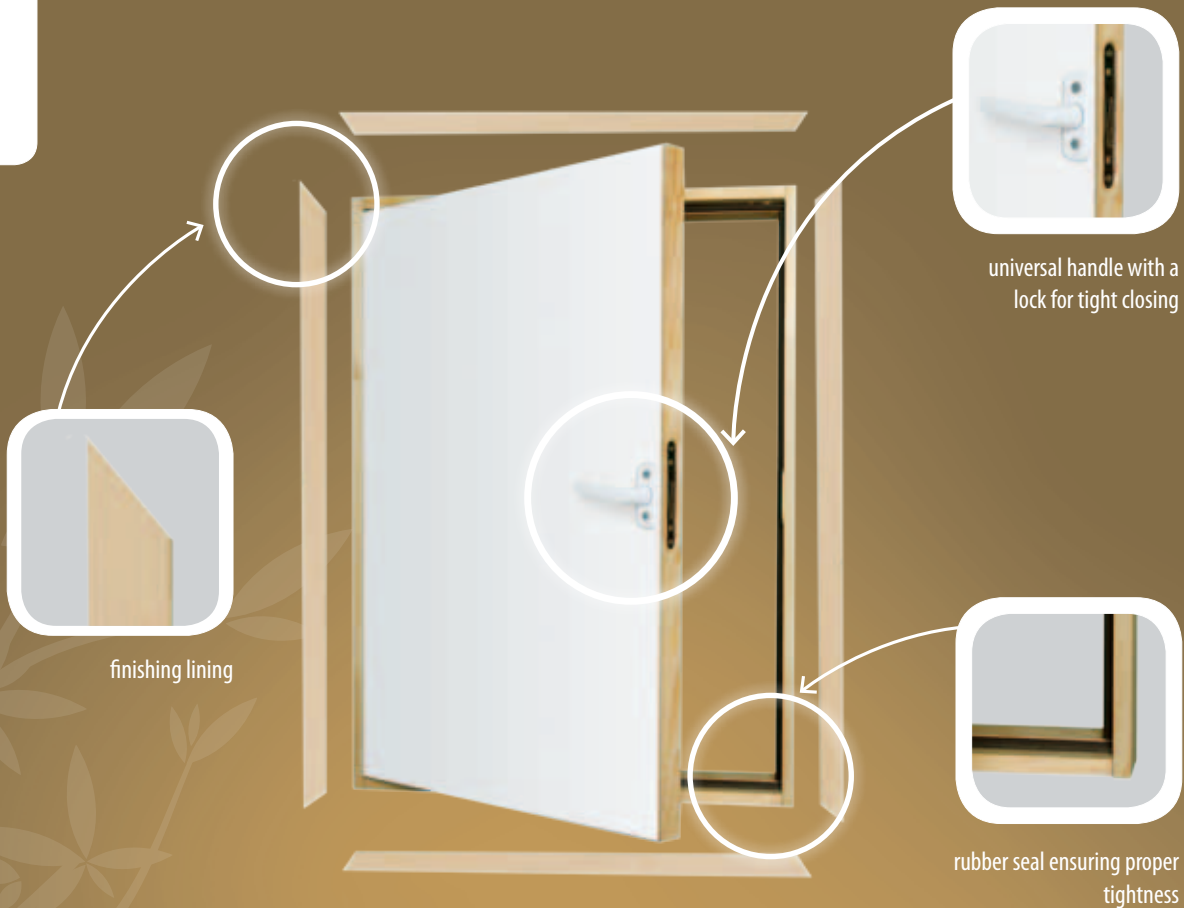
WOODEN
DOOR



L-SHAPED COMBINATION DOOR

DWK

The **DWK** L-Shaped Combination Doors are intended to be built into L-shaped walls and provide access to the unused space behind the L-shaped wall. Superb Thermo-Insulating parameters (**$U=1.1 \text{ W/m}^2\text{K}$**) along with high tightness keep heat-loss to a minimum. The L-shaped door may be installed in two versions of opening, (right or left), and are also equipped with 35mm thick lining as standard in natural colour. The 36mm thick insulated sash made as a wooden frame finished on both side with **DWK** white HDF panels.



Technical specification

heat transmission coefficient $U = 1.1 \text{ W/m}^2\text{K}$
insulation thickness 3 cm

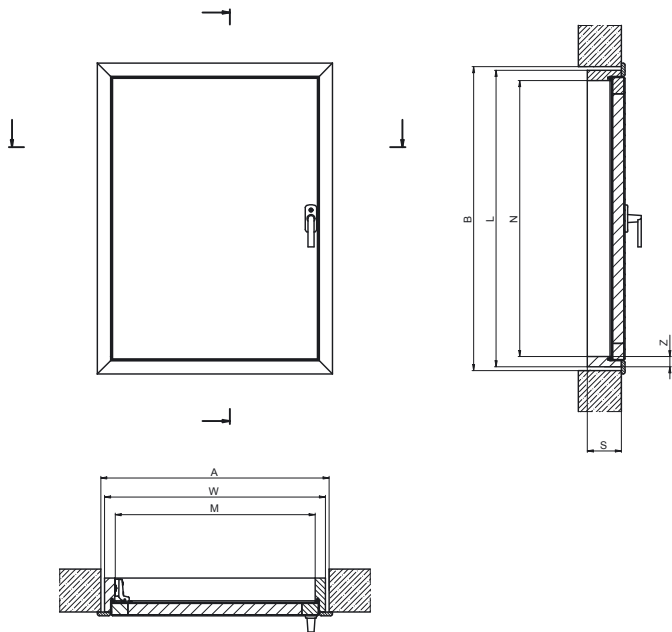
FEATURES



finishing lining



3 year
warranty



L-SHAPED DOORS DIMENSIONS

| | | | | | | | | |
|--------------------------------|------------|-------------|-------------|-------------|--------------|-------------|-------------|--------------|
| Opening dimensions [cm] | AxB | 55x80 | 60x80 | 60x100 | 60x110 | 70x90 | 70x100 | 70x110 |
| Door dimensions [cm] | WxL | 53.4 x 78.4 | 58.4 x 78.4 | 58.4 x 98.4 | 58.4 x 108.4 | 68.4 x 88.4 | 68.4 x 98.4 | 68.4 x 108.4 |
| Internal frame dimensions [cm] | MxN | 48 x 73 | 53 x 73 | 53 x 93 | 53 x 103 | 63 x 83 | 63 x 93 | 63 x 103 |
| Frame width [cm] | S | 9 | | | | | | |
| Frame thickness [cm] | Z | 2.7 | | | | | | |

L-SHAPED DOORS

| | | | | | | | |
|------------|---------|---------|----------|----------|---------|----------|----------|
| Sizes [cm] | 55 x 80 | 60 x 80 | 60 x 100 | 60 x 110 | 70 x 90 | 70 x 100 | 70 x 110 |
| | | | | | | | |

order processing time 10 working days



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