NON-INSULATED

BASIC
- WOOD
  - LWN 250lbs
- METAL
  - OWM 300lbs

PREMIUM
- WOOD
  - LWP 300lbs
- METAL
  - LMS 350lbs
- METAL SCISSOR
  - LST 350lbs

Comfort and Functionality

LWP 300lbs
LMS 350lbs
LST 350lbs
HOW TO CHOOSE AN ATTIC LADDER?

INSULATED

- **THERMO**
  - **WOOD**
    - **LWT** 300lbs
    - R-value 12.5
  - **SPECIAL**
    - **LML** 350lbs
    - Increased Comfort
  - **FIRE-RATED**
    - **LMP** 350lbs
    - 12’ Ceiling
    - **LWF** 300lbs
    - 43 min ASTM E119
    - **LSF** 350lbs
    - 60 min EN-13501-2

- **THERMO**
  - **WOOD**
    - **LWT** 300lbs
    - R-value 12.5
  - **SPECIAL**
    - **LML** 350lbs
    - Increased Comfort
  - **FIRE-RATED**
    - **LMP** 350lbs
    - 12’ Ceiling
    - **LWF** 300lbs
    - 43 min ASTM E119
    - **LSF** 350lbs
    - 60 min EN-13501-2

WOODEN FOLDING ATTIC LADDERS

fully assembled and ready for quick installation in the ceiling

**BOX**

The ladder’s box frame is made of wood. For insulated models, the wooden frame 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. The specially designed frame allows fast and convenient trim installation.

**HATCH UNLOADING MECHANISM**

Operation of the attic ladder has been **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 and spring catch reinforce the rigidity of the box and help 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.

**STEPS**

Grooves which are cut into the step’s surface protect the user from accidentally 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 its high durability.

**PLASTIC ENDS**

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

**HATCH**

The attic ladder hatch comes in non-insulated, insulated, or fire-proof.
The **LWN** model is a basic attic ladder that is ideal for occasional use in areas where an insulated attic ladder is not needed. The particle board hatch door is paintable to match any ceiling color. Springs are located parallel to the door making entry to the attic wider and more comfortable. The door is well balanced; no sudden movements.
## ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th>LWN</th>
<th>Manufacturer's part number</th>
<th>Ceiling height</th>
<th>Rough opening AxB</th>
<th>Outside frame dimensions</th>
<th>Internal frame dimensions</th>
<th>Projection</th>
<th>Landing space</th>
<th>Folded ladder height</th>
<th>Board movement after opening</th>
<th>Frame height</th>
<th>Approx. Weight (lbs)</th>
<th>Step length</th>
<th>Step width</th>
<th>Step thickness</th>
<th>Distance between steps</th>
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</thead>
<tbody>
<tr>
<td>LWN</td>
<td>66847 25x47 66848 22½x54 66849 25x54 66850 30x54</td>
<td>H 7'5” - 8'11”</td>
<td>22½”x47” 25”x47” 22½”x54”</td>
<td>22”x46 ¼” 24½”x46½” 22½”x53½”</td>
<td>20½”x44½” 23”x44½” 20½”x51¼”</td>
<td>R 64½”</td>
<td>C 57½”</td>
<td>K 13¼”</td>
<td>P ¼”</td>
<td>4½”</td>
<td>9¼”</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Technical specification:
  - maximum loading: 250 lbs
  - hatch thickness: ⅛”

Available only in sizes given above.
The LWP model is an insulated attic ladder made of pine wood. 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.
ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th>LWP</th>
<th>22½x47</th>
<th>25x47</th>
<th>22½x54</th>
<th>25x54</th>
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<th>22½ x 54</th>
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<td>66801</td>
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<td>66809</td>
<td>66853</td>
<td>66854</td>
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<tr>
<td>Ceiling height H</td>
<td>7’5” - 8’11”</td>
<td>7’10” - 10’1”</td>
<td>8’8” - 10’8”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rough opening AxB</td>
<td>22½”x47”</td>
<td>25”x47”</td>
<td>22½”x54”</td>
<td>25”x54”</td>
<td>30”x54”</td>
<td>22½”x54”</td>
<td>25”x54”</td>
<td>30”x54”</td>
</tr>
<tr>
<td>Outside frame dimensions</td>
<td>22”x46½”</td>
<td>24½”x46⅛”</td>
<td>22”x53½”</td>
<td>24½”x53⅜”</td>
<td>29½”x53⅜”</td>
<td>22”x53½”</td>
<td>24½”x53⅜”</td>
<td>29½”x53⅜”</td>
</tr>
<tr>
<td>Internal frame dimensions</td>
<td>20½”x44⅜”</td>
<td>23”x44⅜”</td>
<td>20 ¼”x51¼”</td>
<td>23”x51⅜”</td>
<td>28”x51⅜”</td>
<td>20 ¼”x51¼”</td>
<td>23”x51⅜”</td>
<td>28”x51⅜”</td>
</tr>
<tr>
<td>Projection R</td>
<td>64½”</td>
<td>72”</td>
<td>75⅜”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landing space C</td>
<td>57½”</td>
<td>64”</td>
<td>65½”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Folded ladder height K</td>
<td>10¾”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Board movement after opening P</td>
<td>1⅛”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frame height</td>
<td>5½”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approx. Weight (lbs)</td>
<td>59</td>
<td>60</td>
<td>67</td>
<td>70</td>
<td>75</td>
<td>71</td>
<td>74</td>
<td>79</td>
</tr>
</tbody>
</table>

Technical specification:
- maximum loading: 300 lbs
- R-value: 5.9
- insulation thickness: 1 ¾”
- hatch thickness: 1 ¾”

Available only in sizes given above.
WOODEN FOLDING ATTIC LADDER

LWT
THERMO

12.5
R-value

The LWT model is a super-thermo insulated attic ladder 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

- 3” thick insulated door with white finish
- Plastic ends
- Peripheral gaskets
- Non-slip steps
- Simple installation
- Handrail
- Additional accessories available - pages 31-33
- 2 year warranty

Sandwich insulated lid provides excellent thermal properties.

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

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.

R-value
with optional upper hatch

LWT+ upper hatch
R-value 21.75

Details p.32

fully assembled and ready for quick installation in the ceiling


Sandwich insulated lid provides excellent thermal properties.

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

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.

The LWT model is a super-thermo insulated attic ladder 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

- 3” thick insulated door with white finish
- Plastic ends
- Peripheral gaskets
- Non-slip steps
- Simple installation
- Handrail
- Additional accessories available - pages 31-33
- 2 year warranty

Sandwich insulated lid provides excellent thermal properties.

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

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.

R-value
with optional upper hatch

LWT+ upper hatch
R-value 21.75

Details p.32

fully assembled and ready for quick installation in the ceiling

### ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th>Manufacturer's part number</th>
<th>66891</th>
<th>66892</th>
<th>66893</th>
<th>66894</th>
<th>66895</th>
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<tr>
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<td>25x47</td>
<td>22½x54</td>
<td>25x54</td>
<td>30x64</td>
</tr>
<tr>
<td>Ceiling height H</td>
<td>7’5” - 8’11”</td>
<td>7’8” - 10’11”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rough opening AxB</td>
<td>22½&quot;x47&quot;</td>
<td>25&quot;x47&quot;</td>
<td>22½&quot;x54&quot;</td>
<td>25&quot;x54&quot;</td>
<td>30&quot;x54&quot;</td>
</tr>
<tr>
<td>Outside frame dimensions</td>
<td>22&quot;x46¼&quot;</td>
<td>24½&quot;x46¼&quot;</td>
<td>22½&quot;x53½&quot;</td>
<td>24½&quot;x53½&quot;</td>
<td>29½&quot;x53½&quot;</td>
</tr>
<tr>
<td>Internal frame dimensions</td>
<td>20½&quot;x44¼&quot;</td>
<td>23&quot;x44¼&quot;</td>
<td>20½&quot;x51½&quot;</td>
<td>23&quot;x51½&quot;</td>
<td>28½&quot;x51½&quot;</td>
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<tr>
<td>Projection R</td>
<td>65½&quot;</td>
<td>72”</td>
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<td></td>
<td></td>
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<tr>
<td>Landing space C</td>
<td>58”</td>
<td>65”</td>
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<tr>
<td>Folded ladder height K</td>
<td>12½”</td>
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<td></td>
<td></td>
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<tr>
<td>Board movement after opening P</td>
<td>2½”</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frame height</td>
<td>8¼”</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approx. Weight (lbs)</td>
<td>70</td>
<td>73</td>
<td>75</td>
<td>80</td>
<td>85</td>
</tr>
</tbody>
</table>

Available only in sizes given above.

Technical specification:
- maximum loading: 300 lbs
- R-value: 12.5
- insulation thickness: 2 3/8”
- hatch thickness: 3 1/8”
WOODEN FOLDING ATTIC LADDER

The LWF model is a fire-rated attic ladder that provides easy access to the attic while functioning as a blaze block in case of fire. The hatch is manufactured with the use of fire-proof materials and is equipped with a gasket that expands under extreme heat. The LWF ladder is fire-rated at 30 minutes in accordance with NFPA 288 and 43 minutes in accordance with ASTM E119.

FEATURES
- fire-resistant insulated door with white finish
- plastic ends
- peripheral gaskets
- handrail
- non-slip steps set flush with the ladder’s stringers
- additional accessories available - pages 31-33

R-value
- with optional upper hatch

Details p.32
ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th>LWF</th>
<th>22½x47</th>
<th>25x47</th>
<th>22½x54</th>
<th>25x54</th>
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<td>869717</td>
<td>869718</td>
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<td>869720</td>
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<td>Ceiling height</td>
<td>7’5” - 8’11”</td>
<td>7’11½” – 10’1”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rough opening AxB</td>
<td>22½”x47”</td>
<td>25”x47”</td>
<td>22½”x54”</td>
<td>25”x54”</td>
<td>30”x54”</td>
</tr>
<tr>
<td>Outside frame dimensions</td>
<td>22”x46½”</td>
<td>24½”x46½”</td>
<td>22”x53½”</td>
<td>24½”x53½”</td>
<td>29½”x53½”</td>
</tr>
<tr>
<td>Internal frame dimensions</td>
<td>20½”x44¼”</td>
<td>23”x44¼”</td>
<td>20½”x51¾”</td>
<td>23”x51¾”</td>
<td>28”x51¾”</td>
</tr>
<tr>
<td>Projection</td>
<td>R</td>
<td>67”</td>
<td>73¼”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landing space</td>
<td>C</td>
<td>59”</td>
<td>65¾”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distance between steps</td>
<td></td>
<td>9¼”</td>
<td>10½”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Folded ladder height</td>
<td>K</td>
<td>15”</td>
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<td>Frame height</td>
<td></td>
<td>8 ¾”</td>
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<td></td>
</tr>
<tr>
<td>Board movement after opening</td>
<td>P</td>
<td>1¼”</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Approx. Weight (lbs)</td>
<td></td>
<td>98</td>
<td>104</td>
<td>105</td>
<td>110</td>
</tr>
</tbody>
</table>

Technical specification:
- maximum loading: 300 lbs
- R-value: 9.5
- insulation thickness: 2 ½”
- hatch thickness: 3 ¼”

Available only in sizes given above.
fully assembled and ready for quick installation in the ceiling
METAL FOLDING ATTIC LADDERS

**HATCH**
The attic ladder hatch comes in non-insulated, insulated, or fire-proof.

**STEPS**
The specially embossed pattern on the step’s surface protects the user from accidentally slipping while using the ladder.

**PLASTIC ENDS**
These protect the floor’s surface from scratches and in addition add to the overall ladder stability.

**BOX**
The ladder’s box frame is made of wood. For insulated models the wooden frame 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. The specially designed frame allows fast and convenient trim installation.

**HARDWARE**
The patented corner hinge reinforces 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.

**LADDER**
Along with the unique design and structure of the metal ladder, the double connection of the ladder’s hinges guarantee increased ladder strength. The ladder’s elements are powder-coated with hard-wearing lacquer in grey RAL 7022.

**HATCH UNLOADING MECHANISM**
Operation of the attic ladder has been 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.

The **OWM** model is a metal folding attic ladder with a paintable, non-insulated, particle board hatch door. The ladder is mounted to the door with brackets that allow minor adjustments to the length of the ladder as well as the space between the ladder and the door.
## ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>22½x47</th>
<th>25x47</th>
<th>22x54</th>
<th>25x54</th>
<th>30x54</th>
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<tbody>
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<td>Manufacturer’s part number</td>
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<td>66862</td>
<td>66863</td>
<td>66864</td>
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<tr>
<td>Ceiling height H</td>
<td>7’2” – 8’11”</td>
<td>7’11” – 10’1”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rough opening AxB</td>
<td>22½”x47”</td>
<td>25”x47”</td>
<td>22½”x54”</td>
<td>25”x54”</td>
<td>30”x54”</td>
</tr>
<tr>
<td>Outside frame dimensions</td>
<td>22”x46½”</td>
<td>24½”x46½”</td>
<td>22”x53½”</td>
<td>24½”x53½”</td>
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<tr>
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<td>23”x44½”</td>
<td>20½”x51¼”</td>
<td>23”x51¼”</td>
<td>28½”x51¼”</td>
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<tr>
<td>Projection R</td>
<td>66½”</td>
<td>74½”</td>
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<tr>
<td>Landing space C</td>
<td>58½”</td>
<td>64”</td>
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<tr>
<td>Folded ladder height K</td>
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<td>Approx. Weight (lbs)</td>
<td>55</td>
<td>56</td>
<td>57</td>
<td>62</td>
<td>64</td>
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</table>

**Technical specification:**
- Maximum loading: 300 lbs
- Hatch thickness: ¾”

Available only in sizes given above.
The LMS model is a metal, three section folding attic ladder featuring an insulated, beige, paintable hatch door. The ladder is mounted to the door with brackets that allow minor adjustments to the length of the ladder and the space between the ladder and the door.
ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th>LMS</th>
<th>22½x47</th>
<th>25x47</th>
<th>22x54</th>
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<td>66867</td>
<td>66868</td>
<td>66869</td>
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<tr>
<td>Ceiling height H</td>
<td>7'2&quot; - 8’11”</td>
<td>7’11” – 10’1”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rough opening AxB</td>
<td>22½”x47”</td>
<td>25”x47”</td>
<td>22½”x54”</td>
<td>25”x54”</td>
<td>30”x54”</td>
</tr>
<tr>
<td>Outside frame dimensions</td>
<td>22”x46½”</td>
<td>24½”x46½”</td>
<td>22”x53 ½”</td>
<td>24½”x53½”</td>
<td>29½”x53½”</td>
</tr>
<tr>
<td>Internal frame dimensions</td>
<td>20½”x44½”</td>
<td>23”x44 ¼”</td>
<td>20½”x51¼”</td>
<td>23”x51¼”</td>
<td>28½”x51¼”</td>
</tr>
<tr>
<td>Projection R</td>
<td>65½”</td>
<td>73¼”</td>
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<tr>
<td>Landing space C</td>
<td>56”</td>
<td>62¼”</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Folded ladder height K</td>
<td>10”</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Frame height</td>
<td>5½”</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Approx. Weight (lbs)</td>
<td>62</td>
<td>64</td>
<td>70</td>
<td>72</td>
<td>75</td>
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</table>

Available only in sizes given above.

Technical specification:
- maximum loading: 350 lbs
- R-value: 5.2
- insulation thickness: 1 ¼”
- hatch thickness: 1 ¾”
The LMP model is a metal, three section, folding attic ladder designed for high ceilings, up to 12 ft. It contains an unloading mechanism hidden in the handrail that supports the folding and unfolding of the ladder.

The use of special blocks secure ladder segments to prevent accidental folding.

Last step placed high in the box ensures a comfortable entrance to the attic.

Ladder intended for installation in high ceilings.

Safe use and unfolding of the ladder thanks to a brake mechanism incorporated into the handrail.

The R-value with optional upper hatch

---

**FEATURES**

- insulated door with white finish
- plastic ends
- peripheral gasket
- ladder unloading mechanism, built into the handrail
- non-slip steps

**additional accessories available - pages 31-33**

**R-value**

with optional upper hatch

---

fully assembled and ready for quick installation in the ceiling
### ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>LMP 22½ x 56½</th>
<th>LMP 25 x 56½</th>
<th>LMP 30 x 56½</th>
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</thead>
<tbody>
<tr>
<td>Manufacturer’s part number</td>
<td>869331</td>
<td>869332</td>
<td>869333</td>
</tr>
<tr>
<td>Ceiling height</td>
<td>H 9’10” - 12’</td>
<td>H 9’10” - 12’</td>
<td>H 9’10” - 12’</td>
</tr>
<tr>
<td>Rough opening</td>
<td>A x B 22 ½” x 56 ½”</td>
<td>25” x 56 ½”</td>
<td>30” x 56 ½”</td>
</tr>
<tr>
<td>Outside frame dimensions</td>
<td>22” x 56”</td>
<td>24 ½” x 56”</td>
<td>29 ½” x 56”</td>
</tr>
<tr>
<td>Internal frame dimensions</td>
<td>20 ½” x 54 ½”</td>
<td>22 ¼” x 54 ½”</td>
<td>28” x 54 ½”</td>
</tr>
<tr>
<td>Projection</td>
<td>R 77 ¼”</td>
<td>R 77 ¼”</td>
<td>R 77 ¼”</td>
</tr>
<tr>
<td>Landing space</td>
<td>C 57 ¼”</td>
<td>C 57 ¼”</td>
<td>C 57 ¼”</td>
</tr>
<tr>
<td>Folded ladder height</td>
<td>K 12 ¾”</td>
<td>K 12 ¾”</td>
<td>K 12 ¾”</td>
</tr>
<tr>
<td>Frame height</td>
<td>7½”</td>
<td>7½”</td>
<td>7½”</td>
</tr>
<tr>
<td>Approx. Weight (lbs)</td>
<td>102</td>
<td>108</td>
<td>114</td>
</tr>
</tbody>
</table>

Available only in sizes given above.

### Technical specification:
- **maximum loading:** 350 lbs
- **R-value:** 5.2
- **insulation thickness:** 1 ¼”
- **hatch thickness:** 1 ½”

---

*www.fakrousa.com, www.fakro.ca*
METAL FOLDING
ATTIC LADDER

LML LUX
INSULATED

The LML model is a metal, three section, folding attic ladder designed to ensure the highest comfort of use. The installation process is simplified by an easy adjustment of the ladder’s length to the ceiling height.

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

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.

R-value
with optional upper hatch

Details p.32

5.2 R-value

max 350 lbs

insulated door with white finish

Q telescopic plastic ends

peripheral gasket

ladder unloading mechanism, built into the handrail

non-slip steps

additional accessories available - pages 31-33

quick installation in the ceiling - installation brackets

system of adjusting the ladder length to the ceiling height

white metal trim
Technical specification:
- maximum loading: 350 lbs
- R-value: 5.2
- insulation thickness: 1 1/4"
- hatch thickness: 1 1/8"

### ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th>LML</th>
<th>Manufacturer's part number</th>
<th>Step length</th>
<th>Step width</th>
<th>Distance between steps</th>
</tr>
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<tbody>
<tr>
<td>LML 23 ½ x 47</td>
<td>862401</td>
<td>E 13 3/4&quot;</td>
<td>5 1/8&quot;</td>
<td>9 1/8&quot;</td>
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<tr>
<td>LML 27 1/2 x 47</td>
<td>862411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LML 27 1/2 x 51</td>
<td>862453</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step length</td>
<td>E 13 3/4&quot;</td>
</tr>
<tr>
<td>Step width</td>
<td>5 1/8&quot;</td>
</tr>
<tr>
<td>Distance between steps</td>
<td>9 1/8&quot;</td>
</tr>
<tr>
<td>Manufacturer's part number</td>
<td></td>
</tr>
<tr>
<td>LML</td>
<td>862401</td>
</tr>
<tr>
<td>LML</td>
<td>862411</td>
</tr>
<tr>
<td>LML</td>
<td>862453</td>
</tr>
</tbody>
</table>

- LML: 23 ½ x 47, 27 1/2 x 47, 27 1/2 x 51

- Available only in sizes given above.
fully assembled and ready for quick installation in the ceiling

METAL SCISSOR ATTIC LADDERS
**BOX**
The box can be made of wood or metal. It 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 leveling.

**HATCH UNLOADING MECHANISM**
Operation of the attic ladder has been 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 reinforces the rigidity of the box and prevents any changes in the diagonal lengths. Thanks to this, the box is not effected by any deformations and can be operated trouble free once installed.

**HATCH**
The scissor attic ladder comes equipped with either insulated or fire-resistant hatches. Insulated hatches are made of wood and fire-resistant hatches are made of metal. The external hatch surface is white and smooth without any visible fixing elements.

**STEPS**
The specially embossed pattern on the step’s surface protects the user from accidentally 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, this allows the ladder to be folded into a smaller size to fit smaller ceiling openings (the smallest ladder size being 22”x31”). The elegant and modern style of the scissor attic ladder is achieved by the “S”-shaped stringers which may also serve as handrails.
The **LST** model is a scissor style attic 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**
- Insulated door with white finish
- Peripheral gasket
- White metal trim
- Non-slip steps
- Can add or detach steps
- System of adjusting the ladder length to the ceiling height
- Quick installation in the ceiling
- Installation brackets
- Additional accessories available - pages 31-33

**R-value**
- LST model: R-value 18.9
- Additional accessories: R-value 18.7
- LST+ box extension + upper hatch:
  - LST+: R-value 18.9
  - LST+ box extension: R-value 18.9

Details p.32
### Technical Specification:

- **Maximum loading:** 350 lbs
- **R-value:** 5.2
- **Insulation thickness:** 1 1/8”
- **Hatch thickness:** 1 3/8”

### LST - Diagram

#### LST Dimensions

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<thead>
<tr>
<th>Manufacturer’s part number</th>
<th>66875</th>
<th>66876</th>
<th>66820</th>
<th>66821</th>
<th>66822</th>
<th>66823</th>
<th>66877</th>
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</thead>
<tbody>
<tr>
<td>Ceiling height H</td>
<td>8' 2 1/8” – 9' 2 1/4”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rough opening AxB</td>
<td>22 1/2” x 31 1/2”</td>
<td>27 1/2” x 31 1/2”</td>
<td>22 1/2” x 47”</td>
<td>25” x 47”</td>
<td>22 1/2” x 54”</td>
<td>25” x 54”</td>
<td>30 1/2” x 54”</td>
</tr>
<tr>
<td>Outside frame dimensions</td>
<td>22” x 31 1/4”</td>
<td>27 1/2” x 31 1/4”</td>
<td>22” x 46 1/4”</td>
<td>24” x 46 1/4”</td>
<td>22” x 53 1/4”</td>
<td>24” x 53 1/4”</td>
<td>30” x 53 3/4”</td>
</tr>
<tr>
<td>Outside frame dimensions including trim</td>
<td>24” x 33 1/8”</td>
<td>29” x 33 1/8”</td>
<td>24” x 49”</td>
<td>26” x 49”</td>
<td>24” x 55 1/4”</td>
<td>26” x 55 1/4”</td>
<td>31” x 55 1/4”</td>
</tr>
<tr>
<td>Internal frame dimensions</td>
<td>20 1/2” x 29 1/4”</td>
<td>25” x 29 1/4”</td>
<td>20” x 44 3/8”</td>
<td>22” x 44 3/8”</td>
<td>20” x 51 1/4”</td>
<td>22” x 51 1/4”</td>
<td>28” x 51 1/4”</td>
</tr>
<tr>
<td>Projection R</td>
<td>59”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landing space C</td>
<td>57 1/2” – 52 1/4”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Folded ladder height K</td>
<td>15”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frame height</td>
<td>7/16”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approx. Weight (lbs)</td>
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<td>92</td>
<td>88</td>
<td>93</td>
<td>97</td>
<td>99</td>
<td>110</td>
</tr>
<tr>
<td>Step lengths E</td>
<td>11 1/8”</td>
<td>15”</td>
<td>11 1/8”</td>
<td>15”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step width</td>
<td>31”</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Possibility of adding additional steps</td>
<td>LSS-31</td>
<td>LSS-38</td>
<td>LSS-31</td>
<td>LSS-38</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Available only in sizes given above.
METAL SCISSOR ATTIC LADDER

The **LSF** model is a fire-rated, scissor style attic ladder made up of all metal parts. Ladder’s hatch is equipped with a gasket that expands under extreme heat. The LSF ladder is fire-rated at EI 60 minutes as per EN13501-2.

**Features:**
- Fire-resistant metal door with white finish
- White metal trim
- Non-slip steps
- Can add or detach steps
- System of adjusting the ladder length to the ceiling height
- Quick installation in the ceiling – installation brackets
- Additional accessories available - pages 31-33
- 2 year warranty

**EI60**

A gasket lining the lid expands under extreme heat, sealing the unit to prevent any access of fire or smoke.

Adjustable length by adding or detaching a step.

**EI60**

Max
350 lbs
Technical specification:

R-value: 3.2
maximum loading: 350 lbs
fire-resistance: EI 60 minutes
insulation thickness: 1 1/4”
hatch thickness: 2 3/8”

ATTIC LADDER DIMENSIONS

<table>
<thead>
<tr>
<th>LSF</th>
<th>22 1/2x47</th>
<th>25x47</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer’s part number</td>
<td>66858</td>
<td>66859</td>
</tr>
<tr>
<td>Ceiling height H</td>
<td>8’10 1/4” – 9’10 1/4”</td>
<td></td>
</tr>
<tr>
<td>Rough opening AxB</td>
<td>22 1/2”x47”</td>
<td>25”x47”</td>
</tr>
<tr>
<td>Outside frame dimensions</td>
<td>22”x46 1/8”</td>
<td>24 1/2”x46 1/8”</td>
</tr>
<tr>
<td>Outside frame dimensions including trim</td>
<td>24 1/2”x49”</td>
<td>27”x49”</td>
</tr>
<tr>
<td>Internal frame dimensions</td>
<td>20”x45 1/4”</td>
<td>22 1/2”x45 1/4”</td>
</tr>
<tr>
<td>Projection R</td>
<td>67” – 71”</td>
<td></td>
</tr>
<tr>
<td>Landing space C</td>
<td>65” – 51 1/4”</td>
<td></td>
</tr>
<tr>
<td>Folded ladder height K</td>
<td>17 3/4”</td>
<td></td>
</tr>
<tr>
<td>Frame height</td>
<td>5 1/2”</td>
<td></td>
</tr>
<tr>
<td>Approx. Weight (lbs)</td>
<td>138</td>
<td>154</td>
</tr>
<tr>
<td>Step length E</td>
<td>11 1/8”</td>
<td>12 3/8”</td>
</tr>
<tr>
<td>Step width</td>
<td>3 1/2”</td>
<td></td>
</tr>
<tr>
<td>Possibility of adding additional steps</td>
<td>LSS-30</td>
<td>LSS-32</td>
</tr>
</tbody>
</table>

1 step removed | 1 step | standard length of ladder (10 steps) | 1 additional step

<table>
<thead>
<tr>
<th>7’10 1/2”</th>
<th>8’10 1/4”</th>
<th>8’10 1/4”</th>
<th>9’10 1/4”</th>
<th>9’10 1/4”</th>
<th>10’6”</th>
</tr>
</thead>
<tbody>
<tr>
<td>65”</td>
<td>65”</td>
<td>67”</td>
<td>71”</td>
<td>72 7/8”</td>
<td>82 3/4”</td>
</tr>
<tr>
<td>39 3/8”</td>
<td>53 3/8”</td>
<td>65”</td>
<td>51 1/4”</td>
<td>47 3/4”</td>
<td>53 3/8”</td>
</tr>
</tbody>
</table>

Ladder dimensions are equal to all sizes.

Available only in sizes given above.
**SPECIAL ORDER PRODUCTS**

**DWF**

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 45 minutes as per EN13501. The white, 2 ½” thick sash is thermally insulated providing an excellent barrier reducing heat loss (R-value: 8.9*). DWF L-shaped doors may be installed in right or left opening versions. Trims are included in the standard configuration.

* manufacturer’s internal calculations

**DWT**

The DWT L-shaped, combination door is new and features an energy efficient design. The 2½” thick sash is completely filled with thermo-insulating material which provides an excellent barrier resulting in reduced heat-loss (R-value: 9.5*). As standard, the door is equipped with a handle and finishing lining. DWT L-shaped doors may be installed in right or left opening versions.

* manufacturer’s internal calculations
** special order item

**DWK**

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

* manufacturer’s internal calculations

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>22” x 32”</th>
<th>28” x 36”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside frame dimension - width</td>
<td>21”</td>
<td>27”</td>
</tr>
<tr>
<td>Outside frame dimension - height</td>
<td>31”</td>
<td>35”</td>
</tr>
<tr>
<td>Internal frame dimension - width</td>
<td>18 ½”</td>
<td>24 ½”*</td>
</tr>
<tr>
<td>Internal frame dimension - height</td>
<td>28 ¼”</td>
<td>32 ½”</td>
</tr>
</tbody>
</table>

* R-value

**SPECIAL ORDER PRODUCTS**

**PLASTIC ENDS  LXS**

Plastic ends give an aesthetic look to the ladder’s appearance. The design and shape also enhance the ladder’s stability. One set contains two pieces.

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

---

**METAL HANDRAIL  LXH**

The red-painted handrail is mounted on the angled brackets of the ladder. It can be mounted on either or both side of the ladder, making climbing easier. The handrail is available in two lengths:

- 25½" for OWM
- 29½" for LWN, LWP, LWT, LWF, LMS.

*Note: while ordering handrail please provide attic ladder model.*

---

**LADDER BALUSTRADE  LXB-U**

The attic balustrade protects the user from falling through the opening in the attic floor. It also helps the user climb back down the ladder. The balustrade is made of pine wood and available in only one size, 30"x54". It can be cut if needed for a perfect fit for smaller rough openings. Height of the balustrade is 43 ¼”.

*Note: compatible with all attic ladders.*
UPPER HATCH LXW-B

The upper hatch is a great solution to improve insulating parameters of an attic ladder. R-value can be improved by 100% for some ladder models (details are shown on the specific model page). In addition, the upper hatch also prevents dust from accumulating on the hatch and steps of the closed attic ladder. The height of the upper hatch box is 7 ¼" and the hatch thickness is 1¾". Available for ladders LWN, LWP, LWT, LWF, OWM, LMS, LML, and LST. 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 model and size.

BOX EXTENSION LXN-B

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" and made of pine wood. Available for ladders LWN, LWP, LWT, LWF, OWM, LMS, LML, and LST.

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

TRIM LXL

The trim is designed to finish the installation of the ladder and to cover gaps in the ceiling which remain after the fitting process. The LXL-W trim elements are made of pine wood and painted in white. LXL-PVC does not require any nails to connect to the trim box and is also available in white. Trims are available in one size, 30"x54". This quick and simple fitting process ensures a fast, elegant finish of the installed attic ladder.

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

Note: trims for smaller sizes have to be cut.

*the trim color may slightly differ from the color of trim’s corners and hatch.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>LXL-W</th>
<th>LXL-PVC</th>
</tr>
</thead>
<tbody>
<tr>
<td>30&quot;x54&quot;</td>
<td>30&quot;x54&quot;</td>
<td>30&quot;x54&quot;</td>
</tr>
<tr>
<td>Trim width</td>
<td>1½&quot;</td>
<td>1¼&quot;</td>
</tr>
<tr>
<td>Maximum gap to be covered</td>
<td>½&quot;</td>
<td>¾&quot;</td>
</tr>
</tbody>
</table>

HANDLE LXZ

The LXZ handle allows the user to close the LXW-B upper hatch from the attic side e.g. during maintenance work in the attic or roof.
INSTALLATION BRACKETS LXK

Installation brackets facilitate attic ladder installation in the ceiling.  
Note: available for ladder models: LWN, LWP, LWT, LWF, OWM, LMS, LMP.  
Already included in LST, LSF and LML.

<table>
<thead>
<tr>
<th>Installation brackets</th>
<th>LWN</th>
<th>LWP</th>
<th>LWT</th>
<th>LWF</th>
<th>OWM</th>
<th>LMS</th>
<th>LMP</th>
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</thead>
<tbody>
<tr>
<td>Maximum ceiling thickness</td>
<td>12 ½”</td>
<td>13 ¼”</td>
<td>17”</td>
<td>17”</td>
<td>12 ½”</td>
<td>13 ¼”</td>
<td>15 ¼”</td>
</tr>
</tbody>
</table>

ADDITIONAL STEP LXT

An additional step makes climbing the ladder easier. While it increases the comfort and safety of access to the attic it is especially recommended in situations where the upper hatch is installed on the attic ladder's box or in a thick ceiling. The LXT step is installed between the last step of the ladder and the floor of the attic. Standard width of the LXT additional step is 11 7/8”.

Note: available for ladder models LWN, LWP, OWM, LMS.

ADDITIONAL STEP LSS

To increase the length of the LST ladder you can add an extra step:

LSS-38 for sizes: 27½ x 31½ and 30½ x 54  
LSS-31 for sizes: 22½ x 31, 22½ x 47, 22½ x 54, 25 x 47, 25 x 54

To increase the length of the LSF ladder you can add an extra step:

LSS-30 for size 22 x 47,  
LSS-32 for size 25 x 47.

<table>
<thead>
<tr>
<th>Optional accessories</th>
<th>LWN</th>
<th>LWP</th>
<th>LWT</th>
<th>LWF</th>
<th>OWM</th>
<th>LMS</th>
<th>LMP</th>
<th>LML</th>
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<tbody>
<tr>
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<tr>
<td>Metal handrail LXH</td>
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<td>Installation brackets LXK</td>
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<tr>
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<tr>
<td>PVC trim LXL-PVC</td>
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<td>Plastic ends LXS</td>
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<tr>
<td>Box extension LXN-B</td>
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</tr>
<tr>
<td>Upper hatch LXW-B</td>
<td>✓</td>
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<tr>
<td>Additional step LXT</td>
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<td>✓</td>
<td>✓</td>
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<tr>
<td>Insulated Door Replacement LXI</td>
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</tr>
</tbody>
</table>

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

DRL

The DRL roof access door is an innovative product that provides safe and comfortable access to the flat roof. DRL 27x59 can be combined with specially designed FAKRO LML ladder.

- mounted on the roof surface
- the whole structure is insulated
- can be installed in the opening under the DRL roof access door
- gas piston supports unfolding and folding the ladder
- additional upper tread for safe step-up
- wide 5” (13cm) anti-slip treads

Features:
- fully assembled product
- the frame is constructed of multi-chamber PVC profiles filled with insulation material
- insulated sash equipped with a rubber seal ensures perfect thermal insulation performance
- opens up to 80°. Gas springs facilitate opening and closing, and the sash can be left open
- anti-slip tape on the base ensures safe access to the flat roof
- can be mounted on an additional XRD base with a height of 6” (15 cm) for installation in green and living roofs
- option to install an additional ZBR lock which protects against accidental closure of the sash
- suitable for roof pitches between 0° and 5°

FLAT ROOF ACCESS DOOR DRL DIMENSIONS

<table>
<thead>
<tr>
<th>Room height in inches</th>
<th>DRL</th>
<th>LML</th>
</tr>
</thead>
<tbody>
<tr>
<td>9’ 2 1/4” 280</td>
<td>+</td>
<td>+</td>
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<tr>
<td>10’ 305</td>
<td>+</td>
<td>+</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Attic ladder size in inches</th>
<th>DRL</th>
<th>LML</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 x 47</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>28 x 47</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>28 x 51</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>
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