

Technical information & installation advice

Drop-in type loft access doors

Product 1168

- This loft access door is designed to fit between standard trussed rafters spaced accurately at 600mm centres and constructed in 38mm (1.5") thick timbers. If the roof trusses are not spaced at these centres or if thicker timbers are used then it will be necessary to form a suitable structural opening with a clear opening width of 562mm
- Trimmers should be positioned between the ceiling joists. These are required to fix the ends of the frame and support the plaster board. They should be spaced with a clear opening length of 665mm
- The roof timbers must be correctly spaced, straight and free from twist or distortion. If they are not the frame may be difficult to fit and the door may bind in the frame
- Fit the loft access door after the ceiling has been plasterboarded and skimmed but before the ceiling is decorated
- If the trimmed opening has been made slightly too large packers must be provided at the screw fixing points otherwise the action of tightening the screws will distort the frame
- Use ten fixing screws to secure the frame, three through each side and two through each end
- Never try to force the frame into an opening which is too small
- Do not overtighten the fixing screws as this could distort the frame
- Please note that drop-in loft access doors of this type are not suitable for use with a telescopic loft ladder

Hinged loft access doors and ladders

Product 1169

- This loft access door is designed to fit between standard trussed rafters spaced accurately at 600mm centres and constructed in 38mm (1.5") thick timbers. If the roof trusses are not spaced at these centres or if thicker timbers are used then it will be necessary to form a suitable structural opening with a clear opening width of 562mm
- Trimmers should be positioned between the ceiling joists. These are required to fix the ends of the frame and support the plasterboard. They should be spaced with a clear opening length of 662mm
- The roof timbers must be correctly spaced, straight and free from twist or distortion. If they are not the frame may be difficult to fit and the door may bind in the frame
- Fit the loft access door after the ceiling has been plasterboarded and skimmed but before the ceiling is decorated
- If the trimmed opening has been made slightly too large packers must be provided at the screw fixing points otherwise the action of tightening the screws will distort the frame.
- Never try to force the frame into an opening which is too small
- Use ten fixing screws to secure the frame, three through each side and two through each end
- Do not overtighten the fixing screws as this could distort the frame

- If a telescopic loft ladder is to be used the ladder fixing mounts must be secured to the floor of the loft, ceiling joist or trimmer and not directly to the loft access door frame. It is important to ensure that there is adequate clearance within the loft space for the loft ladder to pivot and operate. It is recommended that a minimum of 1050mm clearance is provided horizontally and vertically at the end where the ladder is mounted

Fire rated loft access doors

Product 1160

- The loft access doors are designed to fit between 38mm thick ceiling joists which are spaced at 600mm centres and lined with 9.5mm plasterboard giving a clear joist opening width of 542mm. If the ceiling joists are not spaced at these centres then it will be necessary to form a suitable structural opening with a clear opening width of 542mm
- Trimmers should be positioned between the ceiling joists. These are required to fix the ends of the frame and support the plasterboard. They should be spaced with a clear opening length of 745mm and 630mm
- The roof timbers must be correctly spaced, straight and free from twist or distortion. If they are not the frame may be difficult to fit and the door may bind in the frame
- In order to ensure satisfactory fire performance a strip of plasterboard 50mm tall x 9.5mm thick must be fitted around all four sides of the frame. This should be positioned between the frame upstand and the side of the ceiling joist or trimmer
- Fit the loft access door after the ceiling has been plasterboarded and skimmed but before the ceiling is decorated
- If the trimmed opening has been made slightly too large or if ceiling joists of less than 38mm thickness are being used additional packers must be provided to ensure a good fit into the ceiling aperture. These packers must be continuous along the side of the frame and not just localised at the screw fixing points
- Never try to force the frame into an opening which is too small
- Use ten fixing screws to secure the frame, three through each side and two through each end
- Do not overtighten the fixing screws as this could distort the frame
- If a telescopic loft ladder is to be used the ladder fixing mounts must be secured to the floor of the loft, ceiling joist or trimmer and not directly to the loft access door frame. It is important to ensure that there is adequate clearance within the loft space for the loft ladder to pivot and operate. It is recommended that a minimum of 1050mm clearance is provided horizontally and vertically at the end where the ladder is mounted

Technical information & installation advice

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Air leakage testing and performance results

Timloc have completed a major test program with the BRE to demonstrate the air leakage capability of its core loft access door products. To ensure customer satisfaction we tested a sample range of competitors equivalent products to offer a like-for-like comparison.

Following the BRE testing program Timloc was the only company to pass with a product which demonstrated a zero - 0.00m³/(h.m²) air leakage at 50Pa. Its 1169/35 loft access door exceeded requirements set in the Building Regulation Part L1A & L2A, while fully complying with BS5250:2002 the Code of Practice for control of condensation in buildings.

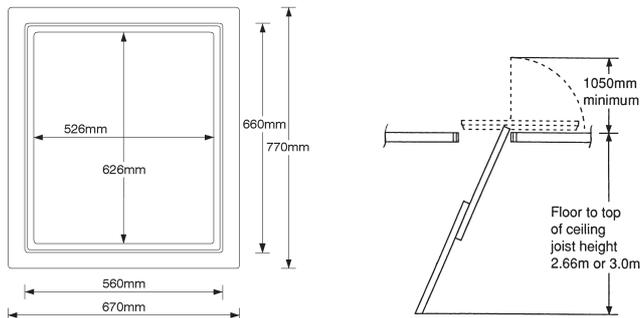
The objective of the testing was to measure the air leakage through a range of loft access doors.

There have been some recent changes to the Building Regulations designed to improve the energy efficiency of buildings. These changes have introduced new requirements to the air tightness of certain building types. For example, Part L1A & L2A states that a reasonable limit for the design air permeability of buildings is 10m³/(h.m²) at 50Pa. Hence loft access hatch specifiers might need to know the leakage rate of loft hatches at a pressure of 50Pa. (Timloc 1169/35 achieved 0.00m³/(h.m²) at 50Pa demonstrating full compliance.) There have also been some recent changes to BS5250:2002, the Code of Practice for control of condensation in buildings. Amendment 16119, issued on 23rd December 2005 introduced a clause giving recommendations for air tightness of ceilings. This new clause, 8.4.1.2, gives some rules for producing a well sealed ceiling which includes a requirement for loft hatches as follows:

'The air leakage rate through an access loft hatch, including its frame, when tested to BS EN 1314101:2004 4.3 is less than 1m³lh at a pressure difference 2Pa. It can be assumed that "push-up" wooden hatch covers in a frame, constructed in-situ, with continuous compressible seals, will meet this criterion provided the weight of the door is at least 5.5kg. Hatch covers should either be heavy enough to compress the seal or be clamped, with a closed cell compressible seal, or "O-ring" between it and the frame. Drop-down hatch covers are more difficult to seal; it is recommended that proprietary units with a supplied hatch cover in a frame are used. Manufacturers can provide third party evidence that the leakage criterion is met'. (Timloc's 1168 drop in / push up plastic loft access door has two catches to ensure full seal compression).

Hinged loft access doors

Hinged loft doors with lockable options and ladders



Use

- To provide simple, easy access through a ceiling into the loft space

Features and benefits

- Purpose made product saves time and money compared with traditional joiner-made timber loft access doors
- Excellent aesthetic appearance
- Factory finished and ready to fit straight from the box
- Insulated door panel with integral draught/vapour seal
- Maintenance free, no need to paint
- Hinged design allows use of a telescopic loft ladder

Quality

- Satisfies all NHBC requirements
- Manufactured to BS EN ISO 9001 : 2000
- Complies with Building Reg. document L1A & L2A (2006 Edition)
- Meets all relevant British Standards

Material and colour choice

- The door and frame are one piece injection moulded polypropylene
- Insulation is CFC free expanded polystyrene foam
- Available in white only

Products in the system

Product 1169

Rectangular loft access door with twist operated catch to release a downward opening hinged door. Clear opening dimensions: 526mm x 626mm.

Product 1169/keylock

Keylock - as above but with secure key operated lock assembly.

Ladder 8

Two section telescopic aluminium loft ladder for the 1169 range. For situations where the height from floor to top of the ceiling joist is not more than 2.66m.

Ladder 10

Three section telescopic aluminium loft ladder for the 1169 range. For situations where the height from floor to top of the ceiling joist is not more than 3.0m.

Installation advice

- This product is designed to fit between 38mm thick trussed rafters or ceiling joists spaced at 600mm centres which provide a clear joist opening width of 562mm
- If the roof design does not provide this joist opening width, a suitable opening must be formed
- Trimmers must be installed across the ends of the frame. These must be spaced to give a clear opening length of 662mm

- The frame fixes with ten screws, three through each side and two through each end
- Fit the loft access door after the ceiling has been plaster boarded and skimmed
- The frame must be a good fit into the trimmed opening. Never try to force it into an opening that is too small. If the opening is too large use packers to ensure a good fit

Please see technical section for more details.

Bill of quantity

L20 Doors/Shutters/Hatches

Clause

360^ HATCHES

- Manufacturer: **Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk**
- Type: **Loft Access Door (Hinged) 562mm x 662mm joist fitting**
- Specification: **Insulated and draught stripped**
- Colour: **Textured White Polypropylene**

Product codes

Hinged loft access doors

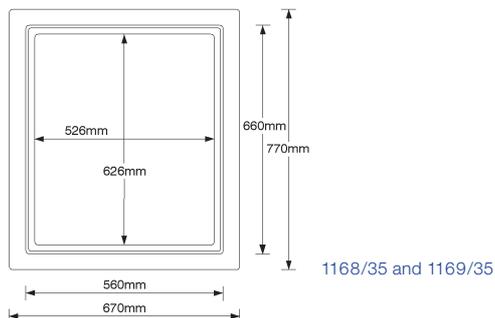
Description	Joist opening size required	Clear opening size	Insulation U value	Product code
Hinged door	562 x 662mm	526 x 626mm	0.82 W/m ² k	1169
With keylock	562 x 662mm	526 x 626mm	0.82 W/m ² k	1169keylock
2.66m loft ladder	N/A	N/A	N/A	Ladder 8
3m loft ladder	N/A	N/A	N/A	Ladder 10

Technical considerations

- Timloc loft access doors comply with the most recent Building Regulations; 'THE BUILDING REGULATIONS 2000 'Conservation of fuel and power' APPROVED DOCUMENT L1A & L2A (2006 Edition)
- The Timloc loft access door has demonstrated a zero-0.00m³/(h.m²) air leakage at 50Pa to exceed requirements set in the Building Regulation Part L1A & L2A while fully complying with BS5250:2002 the Code of Practice for control of condensation in buildings
- Timloc loft access doors contain polystyrene insulation with a Thermal Conductivity of 0.038W/mK. For this reason a correction U value of 0.004W/m²k should be calculated to the proposed U value figures for a ceiling (U value for a ceiling not to exceed 0.16W/m²k)
- With reference to insulation, the products in this range do not use, contain or produce Urea Formaldehyde, CFC's or indeed any of the so called soft CFC's, ie. HCFC's & HFA's. They conform to the Montreal Protocol and have an ozone depletion potential of zero and Global Warming depletion level of 4.4 (ECO Points rating 4.4)

0.35U and 0.25U value loft access doors

Higher insulation versions of standard loft access doors



Use

- To provide simple, easy access through ceiling into the loft space when following the advice given in the robust details

Features and benefits

- Offers insulation U value of 0.35W/m²k and 0.25W/m²k
- Purpose made product saves time and money compared with traditional joiner-made timber loft access doors
- Excellent aesthetic appearance and factory finished
- Insulated door panel with integral draught/vapour seal
- Incorporates twist operated catches to secure the door panel
- Maintenance free, no need to paint
- Hinge design available for use of a telescopic loft ladder

Quality

- Complies with Building Reg. document L1A & L2A (2006 Edition)
- Satisfies Robust Details
- Manufactured to BS EN ISO 9001 : 2000
- Meets all relevant British Standards and NHBC requirements

Material and colour choice

- Insulation is CFC free low lambda expanded polystyrene

Products in the system

All Timloc loft access doors are available with increased insulation to offer 0.35U value or 0.25U value

Product 1168/35 or 1168/25

Product 1169/35 or 1169/25

Product 1169/35 or 1169/25 Keylock

Product 1160/35 or 1160/25 (Fire rated)

Product 1161/35 or 1161/25 (Fire rated)

Installation advice

- The product is designed to fit between 38mm thick trussed rafters or ceiling joists spaced at 600mm centres which provide a clear joist opening width of 562mm or 542mm
- If the roof design does not provide this joist opening width, a suitable opening must be formed
- Trimmers must be installed across the ends of the frame. These should be spaced to give a clear opening length of 630mm, 662mm, 665mm or 745mm
- The frame fixes with ten screws, three through each side and two through each end
- Fit the loft access door after the ceiling has been plaster boarded and skimmed
- The frame must be a good fit into the trimmed opening. Never force it into an opening that is too small. If the opening is too large use packers to ensure a good fit

0.35U or 0.25U value hinged loft access doors

Bill of quantity

L20 Doors/Shutters/Hatches

Clause

630^A HATCHES

- Manufacturer: **Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk**
- Product reference: **1169/35 or 1169/25**
- Type: **Loft Access Door (Hinged) 562mm x 662mm joist fitting**
- Specification: **0.35U or 0.25U value insulated and draught stripped**
- Colour: **Textured White Polypropylene**

0.35U or 0.25U value drop-in loft access doors

Bill of quantity

L20 Doors/Shutters/Hatches

Clause

630^A HATCHES

- Manufacturer: **Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk**
- Product reference: **1168/35 or 1168/25**
- Type: **Loft Access Door (Drop in) 562mm x 665mm joist fitting**
- Specification: **0.35U or 0.25U value insulated and draught stripped**
- Colour: **Textured White Polypropylene**

Product codes

0.35U or 0.25U value loft access doors - hinge options

Description	Frame fitting size required	Clear opening size	Product code
Hinged door	562mm x 662mm	526mm x 626mm	1169/35 or 1169/25
Hinged door with keylock	562mm x 662mm	526mm x 626mm	1169/35 keylock or 1169/25Keylock

0.35U or 0.25U value loft access doors - drop in option

Description	Frame fitting size required	Clear opening size	Product code
Drop-in-door	562mm x 665mm	526mm x 626mm	1168/35 or 1168/25

0.35U or 0.25U value loft access doors - fire rated options

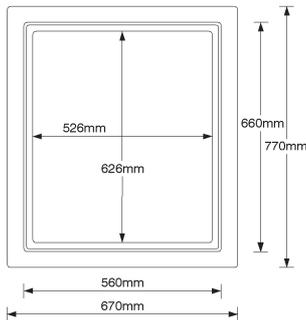
Description	Frame fitting size required	Clear opening size	Product code
Hinged door	542mm x 745mm	520mm x 695mm	1160/35 or 1160/25
Hinged door	542mm x 630mm	520mm x 580mm	1161/35 or 1161/25

Technical considerations

- Timloc loft access doors comply with the most recent Building Regulations; 'THE BUILDING REGULATIONS 2000 'Conservation of fuel and power' APPROVED DOCUMENT L1A & L2A (2006 Edition)
- 0.35U or 0.25U value loft access doors - BRE testing demonstrates full compliance with Building Regulation part L1A & L2A with zero - 0.00m³/(h.m²) air leakage at 50Pa for Timloc 1169/35 or 1169/25 loft access door
- Timloc 0.35 and 0.25 range will meet the advice given within the Robust Details
- With reference to insulation, the products in this range do not use, contain or produce CFC's, ie. HCFC's & HFA's. The Rockfibre insulation relies on entrapped air for its thermal properties; air is not a VOC and it does not have Global Warming Potential (GWP) or Ozone Depletion Potential (ODP). They conform to the Montreal Protocol.

Drop-in loft access doors

Easy to install product for access to lofts



Use

- To provide simple, easy access through ceiling into the loft space

Features and benefits

- Purpose made product saves time and money compared with traditional joiner-made timber loft access doors
- Excellent aesthetic appearance
- Factory finished and ready to fit straight from the box
- Insulated door panel
- Incorporates integral draught/vapour seal
- Incorporates two twist operated catches to secure the door panel and prevent uplift
- Maintenance free, no need to paint

Quality

- Satisfies all NHBC requirements
- Manufactured to BS EN ISO 9001 : 2000
- Complies with Building Reg. document L1A & L2A (2006 Edition)
- Meets all relevant British Standards

Material and colour choice

- The frame is a one piece injection moulding in polypropylene
- The door panel is a one piece injection moulding in polypropylene
- Insulation is CFC free expanded polystyrene foam
- Available in white only

Products in the system

Product 1168

Rectangular loft access door with clear opening dimensions of 526mm x 626mm.

Installation advice

- The product is designed to fit between 38mm thick trussed rafters or ceiling joists spaced at 600mm centres which provide a clear joist opening width of 562mm
- If the roof design does not provide this joist opening width, a suitable opening must be formed
- Trimmers must be installed across the ends of the frame. These should be spaced to give a clear opening length of 665mm
- The frame fixes with ten screws, three through each side and two through each end
- Fit the loft access door after the ceiling has been plaster boarded and skimmed

- The frame must be a good fit into the trimmed opening. Never force it into an opening that is too small. If the opening is too large use packers to ensure a good fit

Please see technical section for more details.

Bill of quantity

L20 Doors/Shutters/Hatches

Clause

360^ HATCHES

- Manufacturer: **Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk**
- Type: **Loft Access Door (Drop in) 562mm x 662mm joist opening**
- Specification: **Insulated and draught stripped**
- Colour: **Textured White Polypropylene**

Product code 1168

Drop-in loft access doors

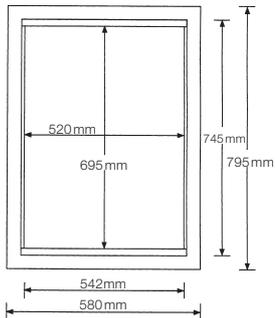
Joist opening size required	Clear opening size	Insulation U value
562mm x 665mm	526mm x 626mm	0.82 W/m ² k

Technical considerations

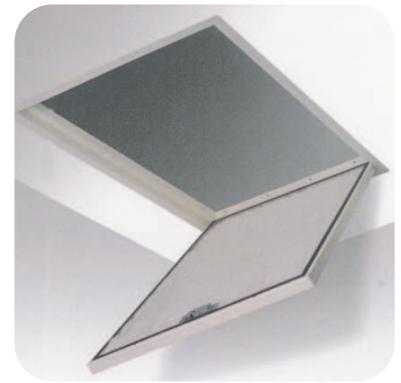
- Timloc loft access doors comply with the most recent Building Regulations; 'THE BUILDING REGULATIONS 2000 'Conservation of fuel and power' APPROVED DOCUMENT L1A & L2A (2006 Edition)
- The Timloc loft access door has demonstrated a zero-0.00m³/(h.m²) air leakage at 50Pa to exceed requirements set in the Building Regulation Part L1A & L2A while fully complying with BS5250:2002 the Code of Practice for control of condensation in buildings
- Timloc loft access doors contain polystyrene insulation with a Thermal Conductivity of 0.038W/mK. For this reason a correction U value of 0.004W/m²k should be calculated to the proposed U value figures for a ceiling (U value for a ceiling, not to exceed 0.16W/m²k)
- With reference to insulation, the products in this range do not use, contain or produce Urea Formaldehyde, CFC's or indeed any of the so called soft CFC's, ie. HCFC's & HFA's. They conform to the Montreal Protocol and have an ozone depletion potential of zero and Global Warming depletion level of 4.4 (ECO Points rating 4.4)

Fire rated loft access doors

High performance products with fire protection



1160 - Frame size



Use

- To provide access through the ceiling into the ceiling void in situations where fire protection is required

Features and benefits

- Fully complies with NHBC standards for having a minimum access opening of 520mm
- Purpose made product with proven performance
- Superior to site fabricated panels
- Provides up to 60 minutes fire protection and Class O surface spread of flame classification
- Excellent aesthetic appearance and factory finished
- Maintenance free, no need to paint
- Allows the use of a telescopic ladder if required
- Incorporates secure twist operated catch assembly
- Offered in picture frame and beaded frame
- U value 0.82 W/m²k and 0.35W/m²k option

Quality

- Fire testing conducted by Warrington Fire Research Ltd
- 0.35U value option meets Robust Details
- Complies with Building Regulations document L1A & L2A (2006 Edition)
- Meets all relevant British Standards and NHBC requirements

Material and colour choice

- The frame and door are fabricated in 1mm and 1.2mm Zintec electro-galvanised mild steel
- The door is lined with a fire resistant sub-panel to enhance fire resistance and stability
- Polyester powder coating, lightly textured

Installation advice

- The most popular loft hatch sizes are the 1160 and 1161 which are designed to fit between trussed rafters or ceiling joists spaced at 600mm centres which provide a clear joist opening width of 562mm to be plasterboard lined to give 542mm
- If the joist spacing does not provide this opening width, a suitable trimmed opening must be formed
- It is essential that trimmers are installed between the ceiling joists across the ends of the frame
- The frame fixes with 10 screws, six into the ceiling joists at the sides of the frame, and four through the ends of the frame into the trimmers
- A 50mm tall by 10mm thick protective plasterboard surround is required along all four sides of the trimmed opening

Please see technical section for more details.

Bill of quantity

L20 Doors/Shutters/Hatches

Clause

630^A HATCHES

- Manufacturer: **Timloc Building Products, Rawcliffe Road, Goole, East Yorkshire, DN14 6UQ. Tel: 01405 765567, Fax: 01405 720479. Web: www.timloc.co.uk**
- Product reference: **1160 or 1161**
- Type: **Loft Access Door (Hinged)**
- 1160 to suit fitting 542mm x 745mm**
- + 1161 to suit fitting 542mm x 630mm**
- Specification: **Insulated and draught stripped**
- Colour: **Textured White Polyester powder coating**

Product codes

Fire rated loft access doors - with picture frame

Opening sizes required (Frame fitting*)	Clear access	Product code
542mm x 745mm*	520mm x 695mm	1160
542mm x 630mm*	520mm x 580mm	1161
300mm x 300mm	260mm x 230mm	LAD 300 x 300
450mm x 450mm	410mm x 380mm	LAD 450 x 450
550mm x 550mm	510mm x 480mm	LAD 550 x 550
600mm x 600mm	560mm x 530mm	LAD 600 x 600
900mm x 600mm	860mm x 530mm	LAD 900 x 600
900mm x 900mm	860mm x 860mm	LAD 900 x 900
1200mm x 600mm	1160mm x 530mm	LAD 1200 x 600

Fire rated loft access doors - with bead frame

Opening sizes required (Frame fitting*)	Clear access	Product code
542mm x 745mm*	520mm x 695mm	1160B
542mm x 630mm*	520mm x 580mm	1161B
300mm x 300mm	260mm x 230mm	LAD 300 x 300B
450mm x 450mm	410mm x 380mm	LAD 450 x 450B
550mm x 550mm	510mm x 480mm	LAD 550 x 550B
600mm x 600mm	560mm x 530mm	LAD 600 x 600B
900mm x 600mm	860mm x 530mm	LAD 900 x 600B
900mm x 900mm	870mm x 860mm	LAD 900 x 900B
1200mm x 600mm	1160mm x 530mm	LAD 1200 x 600B

*Prepared and trimmed plasterboard lined opening (achieved with 38mm joists @ 600mm centres with 9.5mm plasterboard)

Technical considerations

- Timloc loft access doors contain Rockfibre insulation with a Thermal Conductivity of 0.037W/mK. For this reason a correction U value of 0.004W/m²k should be calculated to the proposed U value figures for a ceiling (U value for a ceiling, not to exceed 0.16W/m²k)
- With reference to insulation, the products in this range do not use, contain or produce CFC's, ie. HCFC's & HFA's. The Rockfibre insulation relies on entrapped air for its thermal properties; air is not a VOC and it does not have Global Warming Potential (GWP) or Ozone Depletion Potential (ODP). They conform to the Montreal Protocol.