ROOF ACCESS SOLUTIONS
SAFE ACCESS ALL AREAS
An Introduction

The Bilco Company was established in America in 1926 and has for many decades designed and supplied access products for construction and engineering industries all over the world.

The company has been a pioneer in the development of a unique line of horizontal access products, and in 1989 Bilco UK and Europe was formed and has since built a reputation amongst architects, engineers, specifiers and the construction trades for providing the right access solutions.

Since June 2016, Bilco UK has become part of the home security specialist ERA and now operates alongside floor access products manufacturer Howe Green and stair access products manufacturer Profab Access. The three companies form the Access 360 portfolio and offer a comprehensive range of access products.

Bilco UK remains committed to delivering excellent service and products to its markets.

BILCO TODAY

Based in Suffolk, Bilco can supply the trade with a range of standard roof hatches, smoke vents, ladders and floor doors in various sizes and materials direct from stock, delivered by a nationwide palletline system or dedicated consignment. Standard items are delivered anywhere in the UK in 3-4 working days and best of all, there’s no extra charge. Special products can be manufactured to order.

Bilco also provides technical assistance for more complex product requirements. The technical department will assist you to develop a creative design solution for your unique applications. Quality access products comply with current Building Regulations and legislation, and are engineered to provide many years of trouble-free service.

OUR COMMITMENT

Bilco products are designed and manufactured to consistently high quality standards to ensure complete customer satisfaction. As part of its commitment, Bilco has implemented a company-wide quality system, which has achieved ISO 9001 and 14001 accreditation. The Bilco Company is committed to producing access products that are unequalled in quality, design and workmanship.

OUR GUARANTEE

Warranty is for a minimum period of ten years from the date of purchase. Electric motors, special finishes and other special equipment, if applicable, are covered separately.

Don’t forget...

For BIM, CAD and NBS specifications see www.bilcouk.co.uk

Which access hatch is right for you?

First decide on how frequently you will be using the hatch, for what purpose and by whom.

The following chart gives details of the standard sizes available for each type of use, key features and options as well as recommended type of access. All Bilco hatches can be supplied in special sizes to order, please contact office for details.

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<th>TYPICAL USES</th>
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<tr>
<td><strong>Ladder Access</strong></td>
<td></td>
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</tr>
<tr>
<td>S-50TB</td>
<td>915 x 760</td>
<td>1195 x 1040</td>
<td>86</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
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<tr>
<td>E-50TB</td>
<td>915 x 915</td>
<td>1195 x 1195</td>
<td>63</td>
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<tr>
<td>GS-50TB</td>
<td>915 x 760</td>
<td>1195 x 1040</td>
<td>64</td>
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<tr>
<td><strong>Companionway Access</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS-50TB</td>
<td>760 x 1500</td>
<td>1040 x 1790</td>
<td>81</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>Sky Access</td>
<td>1000 x 1500</td>
<td>1300 x 1800</td>
<td>170</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
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<tr>
<td><strong>Fixed Staircase (Service Stair)</strong></td>
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<td></td>
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<tr>
<td>L-50TB</td>
<td>760 x 2440</td>
<td>1040 x 2720</td>
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<tr>
<td>SSS-50TB</td>
<td>760 x 3360</td>
<td>1040 x 3540</td>
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<tr>
<td><strong>Equipment Access</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P-50TB</td>
<td>1220 x 1220</td>
<td>1500 x 1500</td>
<td>126</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td><strong>Special Sizes</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single leaf SS-50TB</td>
<td>Contact Bilco office for details</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Double leaf D-50T</td>
<td>Contact Bilco office for details</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
<td></td>
<td></td>
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<tr>
<td><strong>Smoke Vents (CE Marked)</strong></td>
<td></td>
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<tr>
<td>ESW-50REM</td>
<td>1260 x 1260</td>
<td>1480 x 1480</td>
<td>140</td>
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</tr>
<tr>
<td>SKY-1M</td>
<td>1000 x 1500</td>
<td>1300 x 1800</td>
<td>170</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
</tr>
<tr>
<td>UDF-50REM</td>
<td>1500 x 1620</td>
<td>1728 x 1849</td>
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<tr>
<td><strong>Acoustic Smoke Vent</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACOISH</td>
<td>Special Size</td>
<td>Special Size</td>
<td>✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓</td>
<td></td>
</tr>
</tbody>
</table>
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Typical construction of a Roof Access Hatch

- Safe and secure one-handed operation.
- Fully insulated.
- Gasketed weathertight construction.

**PERFORMANCE**

- BS EN 12201-2000 Air Permeability 4.83m³/ha/1m² at 60°PA
- BS EN 12202-2000 Water Tightness Class 3A
- BS EN 12213-2000 Wind Resistance Class E2400
- BS EN 1991-1 Snow load 1000Pa for 1 hour
- BS EN 430 Impact Resistance Panel
- BS EN ISO 140 Acoustic 25dB
- BS EN 1637 – 5610 Security Plate
- Wind Speed With Clip on Cover 30m/s

Options

**Curb Liners**

- Shows curb liner flange and special option

**Powered Access Options**

for Single or Double Leaf see pages 30 and 31.

**Paint Finishes**

**Keyed Lock Options**
## Ladder Access

**Solid Insulated Aluminium Cover**

- Type S-307B

**Clear Polycarbonate Dome**

- Type C5-507B

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**NOTE**

Always maintain three points of contact on the ladder.
Ladder to be positioned opposite the hinge.
Consider LADDER UP™ Safety Post for safety when exiting (see page 27).
See page 22 for details of fixed vertical ladders available.

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### LADDER ACCESS SPECIFICATIONS

<table>
<thead>
<tr>
<th>CHARACTERISTIC</th>
<th>DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance</td>
<td>Normally braked.</td>
</tr>
<tr>
<td>Curbs</td>
<td>500mm high. 140mm flange with 11mm holes provided for securing to the roof deck.</td>
</tr>
<tr>
<td>Lifting Mechanism</td>
<td>Compression springs as standard.</td>
</tr>
<tr>
<td>Hardware</td>
<td>Heavy stainless steel piano hinges. Spring latch with interior and exterior turn handles. Interior and exterior push-pull handles. Automatically locks in the open position with a rigal hold open arm.</td>
</tr>
<tr>
<td>Finish</td>
<td>Mill finish aluminium.</td>
</tr>
<tr>
<td>Options</td>
<td>Polyurethane Powder Coating. Curb Drains. Locking options.</td>
</tr>
</tbody>
</table>

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**BILCO RECOMMENDS**

- Ladder with Type S-307B C5-507B for use with LADDER UP™ Safety Posts,

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**E-50TB showing LADDER UP™ Safety Post**
Companionway Access

Solid Insulated Aluminium Cover

NOTE
Handrails maintain a balanced position on the ladder.
Head height clearance of 1200mm minimum is required.
Maximum single climb 3m (BS4211-7.2).
For climb height of above 2m a rest platform is required.

Powered Clear Skylight
Provides convenient access to roof areas with the added benefit of natural daylight. The innovative sliding cover design features an electric actuator that opens the double-layer thermoformed polycarbonate dome cover.

CS-50TB with Companionway ladder

COMPANIONWAY ACCESS SPECIFICATIONS

SOLID INSULATED ALUMINIUM COVER

PERFORMANCE CHARACTERISTICS:
Thermally broken.
75mm thick polystyrene insulate.

CURB:
305mm high.
140mm flanges with 11mm holes provided for securing to the roof deck.

LIFTING MECHANISM:
Compression springs as standard.

HARDWARE:
Heavy stainless steel paddle hinges.
Spring latch with interior and exterior turn handles.
Intelligence and exterior padlock fittings.
Automatically locks in the open position with a rigid hold open arm.

FINISH:
Mill finish aluminium.

OPTIONS:
Powered Operation,
Polyester Powder Coating,
Curb Liners,
Locking system.

POWERED CLEAR SKYLIGHT

Opens to 90°.
60mm thick extruded polystyrene.

250mm high.
150mm flanges with three holes provided for securing to the roof deck.

Single electric actuator mounted on sliding carriage.

Double-layer polycarbonate dome tested for impact resistance to EN16373 Class 5B100.
Obliterated interior (double-layer security glass - classified 5B100 according to EN 12600-2004).
White PVC profile and powder coated metal.
Fixed Staircase (Service Stair)

Solid Insulated Aluminium Cover

NOTE
Size of the Roof Hatch should be sufficient to maintain a head clearance of 2000mm as detailed in Building Regulations Part K.

Fixed Staircase (Service Stair) Specifications

- **Performance Characteristics**: Biomechanical brake, three thick polystyrene sheets.
- **Curb**:
  - 305mm high
  - 140mm flange with 11mm holes provided for securing to the roof deck.
- **Lifting Mechanism**: Compression springs as standard.
- **Hardware**:
  - Heavy stainless steel plieco hinges
  - Spring latch with interior and exterior tamper handles
  - Interior and exterior relock hooks
  - Actuation lock in the open position with a rigid hold open arm
- **Finish**: All finish aluminium
- **Options**:
  - Powder Coating
  - Polyester Powder Coating
  - Curbs
  - Locking options

SSY-50TB - used with a fixed stairway showing motorised option
Equipment Access

Single Leaf (Standard hatch)

Type E-607

standard hatch

NOTE
If used with a fixed vertical ladder so personnel access is possible, we recommend that it is fitted with a motorised option. Call office for details.

SPECIAL SIZES
Special sizes are available to specific customer order across all Bilco doors in order to allow for a much larger options of access openings.

Double Leaf (Special order)

Type D-50T

EQUIPMENT ACCESS SPECIFICATIONS

SINGLE LEAF

PERFORMANCE CHARACTERISTICS:
- Thermally broken.
- 75mm thick polyurethane.

CURB:
- 300mm high.
- 16mm flange with 11mm holes provided for securing to the roof deck.

LIFTING MECHANISM:
- Compression springs as standard.

HARDWARE:
- Heavy stainless steel plate hinges.
- Spring latch with interior and exterior turn handles.
- Interior and exterior pullback handles.
- Automatically locks in the open position with a rigid hold open arm.

FINISH:
- Mill finish aluminium.

OPTIONS:
- Powered Operation.
- Polyester Powder Coating.
- Cork Liners.
- Locking options.

DOUBLE LEAF

50mm thick polyurethane.

300mm high.
- 16mm flange with 11mm holes provided for securing to the roof deck.

LIFTING MECHANISM:
- Compression springs as standard.

HARDWARE:
- Heavy stainless steel plate hinges.
- Two point latch.
- Interior and exterior pullback handles.
- Automatically locks in the open position with a rigid hold open arm.

FINISH:
- Mill finish aluminium.

OPTIONS:
- Powered Operation.
- Polyester Powder Coating.
- Cork Liners.
- Locking options.

D-50T special size double leaf equipment access hatch. Optional powered access is available.
Smoke Vents

Bilco smoke ventilators are fully compliant to the Construction Products Directive 89/106/EEC and EU Regulation No 305/2011. The evaluation is based upon the requirements of EN12101-2 2003-09.

- Linear actuator opens the cover to the fire-open position of 140 degrees within 60 seconds
- Curb mounted junction box
- Insulated units with caps
- Flashing moulds
- Roofing fins, reducing installation time and stress
- Closed-cell EPDM sponge gasket
- Enclosed hinge assembly
- Fully insulated cover and units 50mm thick faced rigid polystyrene and thermal insulation board
- Standard product - aerodynamic clear vent area of 1.1m² and 1.5m²
- Flange with pre-drilled fixing points for easy installation

Stairwell Illustration
Approved Document B
(Building Regulations)
Natural Smoke and Heat Exhaust Ventilators (NSHEV)

Single Leaf with Solid Insulated Aluminium Cover (140° opening)

Double Leaf with Solid Insulated Aluminium Cover (90° opening)

Powered Clear Skylight / Vent NSHEV (180° slide opening)

**NSHEV SPECIFICATIONS**

<table>
<thead>
<tr>
<th>SOLID INSULATED ALUMINIUM COVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PERFORMANCE CHARACTERISTICS:</td>
</tr>
<tr>
<td>CURB: 300mm High.</td>
</tr>
<tr>
<td>194mm flange with 11mm holes provided for securing to the roof deck.</td>
</tr>
<tr>
<td>UDF: Two linear actuators per cage (4 in total).</td>
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<tr>
<td>HARDWARE: Heavy stainless steel rising hinged.</td>
</tr>
<tr>
<td>FINISH: Mill finish aluminium.</td>
</tr>
<tr>
<td>OPTIONS: Polyester Powder Coating.</td>
</tr>
<tr>
<td>Corb Lasers.</td>
</tr>
</tbody>
</table>

**POWERED CLEAR SKYLIGHT**

Opens to 180°.
650mm thick extruded polycarbonate.
250mm flange.
194mm flange with 11mm holes provided for securing to the roof deck.
Single rotating actuator mounted on sliding canopy.
Double-layer polycarbonate dome (tested for impact resistance to EN12150 Class B/SGS).
Glazed interior (double-layer security glass - classified 2/6/2 according to EN 12600-2004).
White PVC profile and powder coated metal.

**ESW-50REM with fixed vertical ladder and LADDER UP™ safety post**

**Also available...**

**Acoustic Smoke Vents**

Ideal for concert halls, theatres, casinos, sporting arenas and other applications. Contact Bisco office for details.
**Control Panel**

**THE HEART OF THE SYSTEM**

**MCP**
- Designed to allow the Fire Officer to manually override the smoke control system through a user-friendly interface.
- Includes an open button and a close/wet button, which are accessed by pressing the door front door.
- Designed to work in conjunction with firemaster and/or cut sensor.
- Stainless steel face plate, designed to be used as a locked or padlock switch.
- **18PREM-08** (Bay) and **18PREM-09** (padlock).

**SMOKE DETECTOR**
- **18PREM-03**.

**Dumb Bored Key**
- **18PREM-02**.

**JUNCTION BOX**
- Fitted as standard to all smoke vents ready for wiring. Meets IFS.

**CONTROL PANEL**
- The OS2 control unit can be a stand-alone management system or can be integrated into a fully networked fire alarm or BMS system.
- **18PREM-09**.

**CONTROL PANEL KIT**
- Comprises control panel, firemaster switch (MCP) and smoke detector.
- **18PREM-01**.

**OPEN/CLOSE SMOKE VENT SWITCH**
- Stainless steel face plate, designed to be used as a locked or padlock switch.
- **18PREM-08** (Bay) and **18PREM-09** (padlock).

**WEATHERPROOF OPEN/CLOSE SWITCH**
- Made from stainless steel for outdoor use and cannot be operated with out the security key.
- **18PREM-11** (Bay) and **18PREM-11A** (padlock).

**PANIC BUTTON**
- For use above or below smoke vent for emergency exit.
- **18PREM-11B**.

**AUTO/MANUAL CONTROL SWITCH**
- To be used in conjunction with firemaster and/or cut sensor.
- Stainless steel face plate, designed to be used as a padlock switch.
- **18PREM-07**.

**THERMOSTAT**
- Inductive standard 10°C to 30°C range.
- **18PREM-04**.

**WIND SPEED SENSOR**
- **18PREM-26**.

**RAIN SENSOR**
- Robust and cost-effective.
- **18PREM-15**.

**BMS**
- External control panel, fire alarm and ventilation systems.
- 230V fused spur.

- Network In
- Network Out
- Volt free contact from fire alarm.
Manufactured in either aluminium or galvanised steel, our range of fixed vertical ladders are ideal for personnel access. These can be provided with a safety cage or guardrail if required to meet the relevant British Standards.

All of our fixed vertical ladders are manufactured to comply with BS4211:2005 + A1:2008 and offer a much safer alternative to using movable ladders.

We also offer a range of companionway ladders and retractable ladders if required. Please contact our office for more details.
**Fixed Vertical Ladder**

**Type BL-WH with safety cage**

**TYPE BL-WH SPECIFICATIONS**

**ALUMINIUM**

**LADDER:** Alloy Class 1 Silver 70 x 23mm box section, Class 1 heavy duty ring. Stand off brackets from 50 x 10mm alloy bar.

**LADDER WIDTHS:** 488mm.

**SAFETY CAGE:** Cages above 2200-3000mm.

**STRAP:** 50 x 10mm alloy bar. 5 x straps BS4031: 2003 + A1 2006.

**FIXINGS:** Dome head bolts.

**FINISH:** All alloy will finish.

**OPTIONS:** LADDER UP™ Safety Post.

**TYPE** | **SIZE** | **APPROX WEIGHTS**
---|---|---
BL-A-WH1 | 2.0 - 2.8m | 15-18kg
BL-A-WH2 | Above 2.8 - 3.6m | 18-20kg
BL-A-WH3 | Above 3.6 - 4.4m | 20-29kg
BL-A-WH4 | Above 4.4 - 5.2m | 28-32kg
BL-A-WH5 | Above 5.2 - 6.0m | 32-37kg
BL-A-WH6 | Special sizes available on request

**MILD STEEL**

**LADDER:** Mild steel.

**STILES:** 50mm x 10mm for bar.

**RUNG:** 20mm round bar.

**LADDER WIDTHS:** 488mm.

**SAFETY CAGE:** Cages above 2200-3000mm.

**STRAP:** 50 x 10mm alloy bar. 5 x straps BS4031: 2003 + A1 2006.

**FIXINGS:** Dome head bolts.

**FINISH:** Galvanised.

**OPTIONS:** LADDER UP™ Safety Post.

**TYPE** | **SIZE** | **APPROX WEIGHTS**
---|---|---
BL-S-WH1 | 2.0 - 2.8m | 45-53kg
BL-S-WH2 | Above 2.8 - 3.6m | 53-60kg
BL-S-WH3 | Above 3.6 - 4.4m | 60-72kg
BL-S-WH4 | Above 4.4 - 5.2m | 72-94kg
BL-S-WH5 | Above 5.2 - 6.0m | 96-113kg
BL-S-WH6 | Special sizes available on request

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**Fixed Vertical Ladder**

**Type BL-WG with safety cage and guardrail**

**TYPE BL-WG SPECIFICATIONS**

**ALUMINIUM**

**LADDER:** Alloy Class 1 Silver 70 x 23mm box section, Class 1 heavy duty ring. Stand off brackets from 50 x 10mm alloy bar.

**LADDER WIDTHS:** 488mm.

**SAFETY CAGE:** Cages above 2200-3000mm.

**STRAP:** 50 x 10mm alloy bar. 5 x straps BS4031: 2003 + A1 2006.

**FIXINGS:** Dome head bolts.

**FINISH:** All alloy will finish.

**OPTIONS:** LADDER UP™ Safety Post.

**TYPE** | **SIZE** | **APPROX WEIGHTS**
---|---|---
BL-A-WG1 | 2.0 - 2.8m | 36-38kg
BL-A-WG2 | Above 2.8 - 3.6m | 38-40kg
BL-A-WG3 | Above 3.6 - 4.4m | 40-45kg
BL-A-WG4 | Above 4.4 - 5.2m | 46-51kg
BL-A-WG5 | Above 5.2 - 6.0m | 51-57kg
BL-A-WG6 | Special sizes available on request

**MILD STEEL**

**LADDER:** Mild steel.

**STILES:** 50mm x 10mm for bar. Coupled Weight: 1100mm.

**RUNG:** 20mm round bar.

**LADDER WIDTHS:** 488mm.

**SAFETY CAGE:** Cages above 2200-3000mm.

**STRAP:** 50 x 10mm for bar. 5 x straps BS4031: 2003 + A1 2006.

**FIXINGS:** Dome head bolts.

**FINISH:** Oil treated.

**OPTIONS:** LADDER UP™ Safety Post.

**TYPE** | **SIZE** | **APPROX WEIGHTS**
---|---|---
BL-S-WG1 | 2.0 - 2.8m | 105-112kg
BL-S-WG2 | Above 2.8 - 3.6m | 112-119kg
BL-S-WG3 | Above 3.6 - 4.4m | 119-130kg
BL-S-WG4 | Above 4.4 - 5.2m | 126-151kg
BL-S-WG5 | Above 5.2 - 6.0m | 153-170kg
BL-S-WG6 | Special sizes available on request

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According to BS 4211:2003 + A1:2006, a self-closing gate should be fitted where a ladder breaks existing handrail.
Companionway Ladder

Type BL-COMP. Complying with the recommendations of BS 5395: Part 3

COMPANIONWAY SPECIFICATIONS

ALUMINIUM

Stiles: Aluminium
Folded aluminium treads
Brackets from 50 x 10mm alloy bar
Fixings in stainless steel
All alloy in mill finish
Grabrail height: 300mm (nom)
Overall ladder width: 540mm
Ladder angle: 75 degrees (nom)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SIZE</th>
<th>APPROX WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL-COMP1</td>
<td>Up to 1.5m</td>
<td>Up to 20kg</td>
</tr>
<tr>
<td>BL-COMP2</td>
<td>Above 1.5 - 2.0m</td>
<td>22-37kg</td>
</tr>
<tr>
<td>BL-COMP3</td>
<td>Above 2.0 - 2.5m</td>
<td>37-41kg</td>
</tr>
<tr>
<td>BL-COMP4</td>
<td>Above 2.5 - 3.0m</td>
<td>41-46kg</td>
</tr>
<tr>
<td>BL-COMP5</td>
<td>Special sizes available on request</td>
<td></td>
</tr>
</tbody>
</table>

MILD STEEL

Stiles: Mild steel
Folded mild steel treads
Brackets from 50 x 10mm flat bar
Fixings in stainless steel
Finish: Galvanised
Grabrail height: 300mm (nom)
Overall ladder width: 540mm
Ladder angle: 75 degrees (nom)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SIZE</th>
<th>APPROX WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL1</td>
<td>Up to 1.5m</td>
<td>Up to 80kg</td>
</tr>
<tr>
<td>BL2</td>
<td>Above 1.5 - 2.0m</td>
<td>80-101kg</td>
</tr>
<tr>
<td>BL3</td>
<td>Above 2.0 - 2.5m</td>
<td>101-114kg</td>
</tr>
<tr>
<td>BL4</td>
<td>Above 2.5 - 3.0m</td>
<td>114-128kg</td>
</tr>
<tr>
<td>BL5</td>
<td>Special sizes available on request</td>
<td></td>
</tr>
</tbody>
</table>

Note:

For climb height of above 3m a rest platform is required.
An additional bracket must be specified if a LADDER UP™ Safety Post is being used. Please call Bilco UK office for details.

Ladder Access Safety Options

Ideal for safer access and a safer working environment

LADDER UP™ Safety Post

Telescopic, spring balanced post permanently mounts to the top two ranges of any fixed ladder.
Gives a positive hand hold enabling safe, upright and balanced entry or exit.
Automatically locks in the fully raised position to provide a firm and steady hand hold.
Handy release lever allows the post to be easily lowered to its retracted position.
Available in four different finishes and corrosion resistance. If using in a corrosive atmosphere, specify U1/2, 3 or 4.

<table>
<thead>
<tr>
<th>TYPE</th>
<th>APPROX WEIGHTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U1/1</td>
<td>Steel black enamel</td>
</tr>
<tr>
<td>U1/2</td>
<td>Hot dip galvanised steel</td>
</tr>
<tr>
<td>U1/3</td>
<td>Type 304 stainless steel</td>
</tr>
<tr>
<td>U1/4</td>
<td>Aluminium</td>
</tr>
</tbody>
</table>

Bil-Guard® Hatch Rail System

Easy to install rail fall protecting system.

Adjustable mounting
Automatically locks off
Telescopic design
Handy release lever

Self-closing gate latch
Self-closing stainless steel hinges
Retractable Ladders

Retractable ladders are designed for use in areas where the floor space must be kept clear such as schools, hospitals etc.

All Bilco retractive ladders are manufactured to EN 14975 from die-cast aluminium alloy with two heavy duty counterbalanced springs incorporated into pivot brackets. Supplied with a single telescopic handrail and protective non-slip feet, they are designed to achieve load bearing of 200kg per tread.

Recommended for use with CS-50TB and Sky Access.

The following options can be ordered for all types of Bilco retractive ladders (at the time of ordering):

**Both BL-Z and BL-ZBOX**
- Additional telescopic handrail.
- Grabrail.
- Additional step (if required).

**BL-Z only**
- Operation from above with eyebolt.

**BL-ZBOX only**
- Lining depth up to 1470mm deep.
- Operation from above cable/ring pull operation. Electrically operated trapdoor and stair (contact Bilco office for details).

**BL-ZBOX**

The BL-Z BOX offers all the benefits and options of the BL-Z plus it comes with either an 14mm thick laminated, insulated, wood trapdoor and lining or a steel hatch to provide improved fire-ratings.

The standard lining is 500mm deep from the underside of hatch to the bottom of the closed trapdoor.

The fire-rated trapdoor is made from 2 layers of 1.5mm thick sheet steel infilled with mineral wool to give 3 fire rating options (please specify):

<table>
<thead>
<tr>
<th>Fire Rating</th>
<th>Mineral Wool Thickness (mm)</th>
<th>Fire Resistance (mins)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F30</td>
<td>38</td>
<td>30</td>
</tr>
<tr>
<td>F60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>F90</td>
<td>75</td>
<td>90</td>
</tr>
</tbody>
</table>

**Available Tread Sizes**

- 200/250/300/350/380mm wide x 140mm deep.
- 430/480/580mm wide x 160mm deep.

**Product Codes**

**BL-ZBOX**

<table>
<thead>
<tr>
<th>Size Code</th>
<th>Floor to Ceiling Height (mm)</th>
<th>No. of Treads</th>
<th>Normal Tread Rise (mm)</th>
<th>Normal Tread Length (mm)</th>
<th>Weight (kg)</th>
<th>Weight Steel (kg)</th>
<th>Fire Rated (mins)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1500-2250</td>
<td>9</td>
<td>250 x 140</td>
<td>277-240</td>
<td>1000</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2501-2990</td>
<td>10</td>
<td>350 x 140</td>
<td>277-240</td>
<td>1000</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3791-3990</td>
<td>11</td>
<td>350 x 140</td>
<td>277-240</td>
<td>1000</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3991-4390</td>
<td>12</td>
<td>350 x 140</td>
<td>277-240</td>
<td>1000</td>
<td>32</td>
<td></td>
</tr>
</tbody>
</table>

* Additive sizes are separate.

Notes: When ordering use the product code and add size code after e.g. BL-ZBOX-1.

**BL-ZBOXBB Backboard**

The Backboard is mounted separately to the BL-ZBOX and requires the BL-ZBOX liner to be a height of 240mm, so should only be ordered at the time of ordering the ladder.

**Product Codes**

**BL-ZBOXBB**

<table>
<thead>
<tr>
<th>Size Code</th>
<th>No. of Treads</th>
<th>Height (mm)</th>
<th>Width (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>1000</td>
<td>590-1800</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>1000-1200</td>
<td>590-1800</td>
<td>23</td>
</tr>
</tbody>
</table>

* Ladder fitted at bottom of backboard.

Notes: Always order the backboard when using the ladder.

www.bilco.co.uk  Tel: +44 (0) 1284 701696
Bilco offers a range of roof safety systems, all of which can be customised to suit specific customer needs. For full details see our website or call the office.

Step-over Units
Wherever transit is required over ducting, parapet walls, conduit or any roof obstruction a step over unit, freestanding or fixed to the ground, is the safest access available.

Complying with the Work at Height Regulations and, where applicable, BS5395: Part 3 step over units give flexible access over a range of widths and heights while keeping the operative safe and enclosed in handrail at all times.

Fixing points for permanent fixing to surface
BP45-A-F Aluminium.
BP45-S-F Galvanised Steel.

Free-standing with adjustable feet
BP45-A-FS Aluminium.
BP45-S-FS Galvanised Steel.

Typical Bilco roof safety systems employed in a factory situation
Roof Safety

BWALK-A Roof mounted walkways

The Bilco walkway range is designed and manufactured following the recommendations of BS5395: Part 3. Manufactured in Aluminium with non-slip GRP walkway panels.

1. Pedestal
   For gutter cleaning access.

2. Free-standing
   When a roof cannot be penetrated.

3. Penetrative fixing
   When a roof is a suitable structure.

4. Raised Seam
   Uses a clamp bracket to secure.

Roof Edge Protection

Work at Height Regulations 2005 require handrails be fitted to prevent falls. Bilco provides a totally flexible, maintenance-free, galvanised steel handrail system which avoids the need to mechanically fix the system to the roof itself. It can run in straight runs or continuous, flexible route runs.

ROOFFP-1 Handrail including free-standing posts.

ROOFFP-2 Free-standing end including rubber counterweight.

CPD from Bilco

Bilco have launched the “Safe Access all Areas” CPD which examines the full range of access products from roof access hatches to floor doors and also looks at the use of smoke vents, ladders and safety products.

It looks at the most appropriate solutions for access requirements and examines what considerations should be made when specifying these for a project.

The CPD, whilst not being overly technical, is intended to give the audience a good understanding of what needs to be thought about when looking for the most appropriate, cost effective, and safest solution when specifying access products. It is ideal for Architects, Facility Managers, Project Managers, - in fact, for anyone who is involved in the specification, selection or procurement of access products.

Bilco also offer a tailored CPD to your specific requirements should you wish more detailed information on Smoke Vents, covering the latest legislation on CE marking, or on Roof access hatches. In addition, we offer an Access 360 CPD. This looks at safe, practical and aesthetic solutions for clean, maintenance free access to roof, ceiling, wall and floor services.

Contact the Bilco office on 01284 701 696 to find out more.
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www.bilcouk.co.uk

Bilco UK, Profab Access and Howe Green together form the Access 360 portfolio.

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ACC19 003 November 2019