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# Floor Doors

*Going Down?*

*Bilco has the answer for all pit and floor door access!*



*For all horizontal access solutions - talk to Bilco!*

# Bilco Floor Doors

*Engineered excellence for horizontal access!*

Bilco pit and floor doors are available in a wide range of sizes and configurations to meet virtually any floor access situation - exterior and interior in steel or aluminium. They range from small interior floor doors complete with insets for carpets and tiles to reinforced doors for areas of heavy traffic or high security. Fire doors also feature too. Importantly, even the largest door weighing anything up to 500kg can be easily opened by one person thanks to Bilco's unique counterbalance spring system.

Bilco aluminium drainage doors come with an industry leading 25 year guarantee, while the rest of the range carries a 5 year UK warranty. Customised designs are also available which can feature security options, motorised operation, a range of finishes and safety aids.

## FEATURES & BENEFITS OF DRAINAGE DOORS

- 1 | Cover does not protrude into the channel frame
- 2 | Stainless steel snap lock
- 3 | Removable top side handle
- 4 | Withstands a live load of 14.4KN/m<sup>2</sup> or more
- 5 | Automatically locks in the vertical/open position
- 6 | Anchor Tabs
- 7 | Unique counter opposing spring system means that all Bilco doors meet Manual Handling Regulations
- 8 | All hardware corrosion resistant
- 9 | Water drainage channel
- 10 | Opening system protected from the elements
- 11 | Special finishes available



Bilco floor doors provide reliable access to equipment stored underground or between floors. They are ideally suited for gas electric, telecoms, water and waste treatment utilities, as well as for office buildings, commercial & industrial premises, warehouses, hotels, manufacturing plants, hospitals & schools - where floor access is a must have requirement.

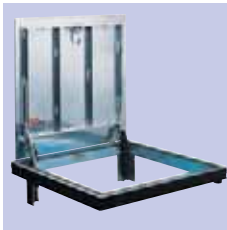
# Drainage Doors

Constructed for use in exterior applications or in those situations where there is concern of water or other liquids entering the access opening. These units are supplied with a threaded drain coupling – fully welded to the channel frame – for connection to a dry or wet well in the field.

## TYPE J-AL & JD-AL - ALUMINIUM Single & Double Leaf

Ideal for most corrosive environments. Single or double leaf covers are constructed of 6.35mm diamond pattern plate and reinforced for a 1464 kg/m<sup>2</sup> live load. Features all anti-corrosion hardware, standard debris gasket and a versatile anchoring system for ease of installation.

Bilco's exclusive  
**25**  
YEAR  
WARRANTY



Type J-AL.

Also available in steel from stock -Type J & JD. Hot dip galvanised on request.



Utilities installation



All Types available in various standard sizes

## TYPE J -AL H20 & JD-AL H20 ALUMINIUM Single & Double leaf

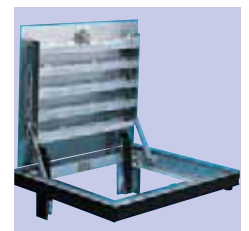
Designed to withstand vehicular traffic in off-street locations. Single or double leaf covers are constructed of 6.35mm diamond pattern plate and reinforced for heavy wheel loading (11,000 kg axle load). With all the same features as the J-AL model, this door is also ideal for most corrosive environments.

Bilco's exclusive  
**25**  
YEAR  
WARRANTY



Petrochemical installation

Type J-AL H20



Also available in steel. Hot dip galvanised on request.

# Non Drainage Doors

Generally for interior use or exterior applications where water or liquid infiltration is not a concern. As indicated, some of the models shown are designed to accept a wide variety of flooring materials, allowing them to blend into virtually any building environment.

## TYPE Q - STEEL - K & KD - ALUMINIUM Single & Double Leaf

Constructed of 6.35mm diamond pattern plate and reinforced for a 732 kg/m<sup>2</sup> live load. Features zinc plated and chromate sealed hardware, concealed hinges and the T-CAM<sup>®</sup> system for ease of operation.

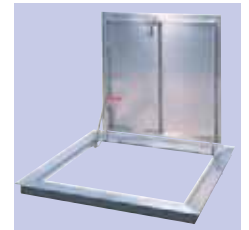


Industrial application



Type Q

All Types available in various standard sizes



Type K/KD

## Type T & TD - TER & TRD - ALUMINIUM Single & Double Leaf

Type T & TD doors are virtually hidden in interior applications. They will accept carpet or composite flooring material 3mm or 5mm in thickness. Features cover and frame-mounted molding strips to accept floor covering and Type K hardware and construction. Type TER & TRD doors are similar to the Type T in function. however, these doors are designed with a pan cover to accept a variety of flooring materials up to 25mm in thickness. A drainage option is available. Each door is precisely spring balanced at the factory to ensure smooth, easy operation upon installation of the specified flooring material in the field.



Type TER



TER double leaf doors at Millennium Bridge London finished with a composite screed. Inset Bishops Square London TRD double leaf doors with brickwork infill



Type T

# Fire Doors & Specials

Fire-rated floor doors allow you to specify convenient access without jeopardising fire code compliance. Bilco fire doors provide a barrier between floors limiting heat transmission and features fire-proof coating and balanced cover operation.

## TYPE JFR - STEEL Single Leaf

The Type JFR is a 1 hour fire rated floor door featuring a counterbalanced spring assembly to comply with Manual Handling Regulations - while combining the strength of steel with the protection of intumescent material. Installation is quick and simple as the unit is supplied fully assembled ready for rebating into the floor area.



Fire doors are available in various standard sizes

Type JFR  
1 hour  
rated fire  
door



Education - University West of England, Bristol features JFR fire doors

## SPECIAL FLOOR DOOR APPLICATIONS

Doors can be manufactured to virtually any size and Bilco has extensive experience in designing doors for specific customer applications. In addition odour control access doors, doors for extreme loading conditions for example to accommodate large aircraft as well as flood tight doors can also be manufactured.



Utilities Southern Water - Folkestone - equipped with a series of 3m square JD-AL doors specially designed to withstand a 3000 kg/m<sup>2</sup> live load



One of three Type J-AL aluminium drainage doors for the service yard area.

# Options & Safety

Bilco floor and pit doors can include any of the option packages shown below. In addition, Bilco's engineering department can also customise doors for unique applications.

## LOCKS - HARDWARE - FINISHES

### Locks

- 1 | Cylinder lock with a keyway protected by a threaded cover plug.
- 2 | Recessed padlock hasp covered by a flush hinged lid.
- 3 | Security cover plugs



### Stainless Steel Hardware

For highly corrosive environments, Bilco can provide Type 316 stainless steel hardware throughout. Includes latch and lifting mechanism assemblies; hold-open and guide arm and guides; and all brackets, hinges, pins and fasteners.



### Special Finishes

Steel doors and frames can be supplied with a hot-dip galvanised finish while aluminum doors can be supplied with an anodised finish. Other custom finishes are available when specified.



### Other Options

- High-traction, slip-resistant cover finish
- Steel or aluminum grating
- Submersible pump guide rail brackets
- Insulated covers
- Hand rails and panic hardware
- Snow and ice melting cables
- Motorised operation



## SAFETY PRODUCTS

### Ladder-Up® Safety Post

A telescopic post provides a positive hand-hold, that can easily be clamped to an existing vertical ladder enabling the user to enter or exit in an upright and balanced position.



**Portable Pogo Post**  
Provides a more cost effective solution for floor doors installed in multiple locations.



**Fall Protection Grating**  
Fall protection grating system is now available as a factory installed or retrofit kit option.



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Fabricated Access Cover Trade Association

Unless otherwise specified all Bilco products carry a minimum 5 year warranty. Motor and electric control options carry a 2 year warranty.