



# Archive

## state-of-the-art high volume storage

Archive is a state-of-the-art, high volume storage unit. Its variable gearing enables the operator to move very heavy loads of up to 35 tonnes with absolute ease. Designed to exacting standards to stand the test-of-time, it is the leading system for the long term storage of items in archives, museums, libraries and galleries.

### Smart Design

The ergonomic design of the hand crank incorporates rotating knobs at the end of each spoke. Various locking systems can be incorporated within the standard hand crank.



For contact details, visit [www.dexion.biz](http://www.dexion.biz)



#### **Unique Design**

Rails are used to distribute floor loads equally. The unique Inco rail has a convex shape to accept the concave rim of the guide wheel.



#### **Rails "On Floor"**

Rails can be installed on an existing finished floor. Rails are laid in conjunction with a purpose designed flooring system, to create a level surface between rails and floor. The height of the floor is usually 40 - 50mm above floor level.



#### **First Class Access**

All floors are finished with an aluminium ramp providing trolley and wheelchair access.



#### **Rails "In-Floor"**

Rails can also be installed level with concrete floors, providing an in-floor finish.



#### **Emission Free**

New emission free aluminium flooring is designed specifically to suit damp environments and where the conservation of irreplaceable items is key.

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#### Length is Our Strength

Bases are available in a wide range of sizes up to 12m. Bases are crank-driven to move loads up to 35 tonnes.

#### Anti-Tilt

An anti-tilt device located on the base prevents the unit from tilting. An overhead stabiliser can be added if additional anti-tilt safety is required.

#### In-Built Safety Features

The drive mechanism incorporates a safety clutch system that limits the operating force and protects the operator from injuries caused by backlash of the drive system.

#### Positive Drive

There are drive systems with alternative gearing ratios that ensure effortless movement regardless of the weight of the contents or the number of bays.

Specifications	Dimensions
Floor Fixing/Track Infill	Yes
Drive Type	Crank driven M1, M2, M3
Max Movable Block Load	M1 - 12.5 tonnes; M2 - 25 tonnes; M3 - 35 tonnes
Max System Depths	12000mm
Bay Heights	1914 to 2994mm in 40mm increments
System Overall Heights	Add 212mm to bay height
Bay Carrying Capacity	Up to 800kg
Bay Width Clear Entry	800, 1000, 1200mm
Bay Clear Depth	25mm shelf heights - Nominal depths 200, 250, 270, 300m 320mm 33mm shelf heights - Nominal depths 300, 320, 350, 370, 390, 400, 450mm
Shelf Carrying Capacity	25mm shelf height - up to 85kg 33mm shelf height - up to 155kg Greater loads by incorporating reinforcement bars.
Shelf Pitch	20mm

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**When security is the key**

Where security of stored materials is very important, Archive is the perfect choice. Various locking devices help protect contents from unauthorised access.



**Aisle Lock**

An aisle lock is fitted to the hand crank. When the knob is pushed in the aisle is secured.



**Hand Crank Key Lock**

A hand crank key lock is used to lock one or more mobile bases by means of a key.



**Inter Lock**

The inter lock secures one particular aisle against access without a key. The interlock is engaged when the aisle is closed. The bases remain joined until the inter lock is disengaged by means of the euro lock.

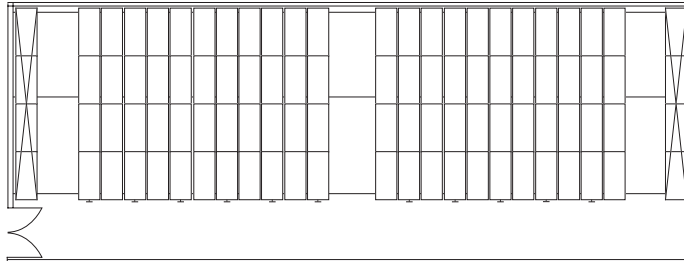
**Floor Lock**

The floor lock, locks the total system.

**Increase Capacity and Pick-Faces Whilst Reducing Costs**

Unlike many mobile systems on the market, the unique design properties of Archive mean you can install units up to 12,000mm deep. In this example, we compare competitor layouts with Archive. Archive increases storage capacity by 22% plus the number of pick-faces by 9%. Costly hand crank mechanisms have also reduced in number by 64%.

**BEFORE** - Layout limitations using competitive systems



**AFTER** - Archive flexibility allows new configurations

