

# Multi-Bay Fixed Track Compactus<sup>®</sup>

## User Manual





# Multi-Bay User Manual



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# Multi-Bay

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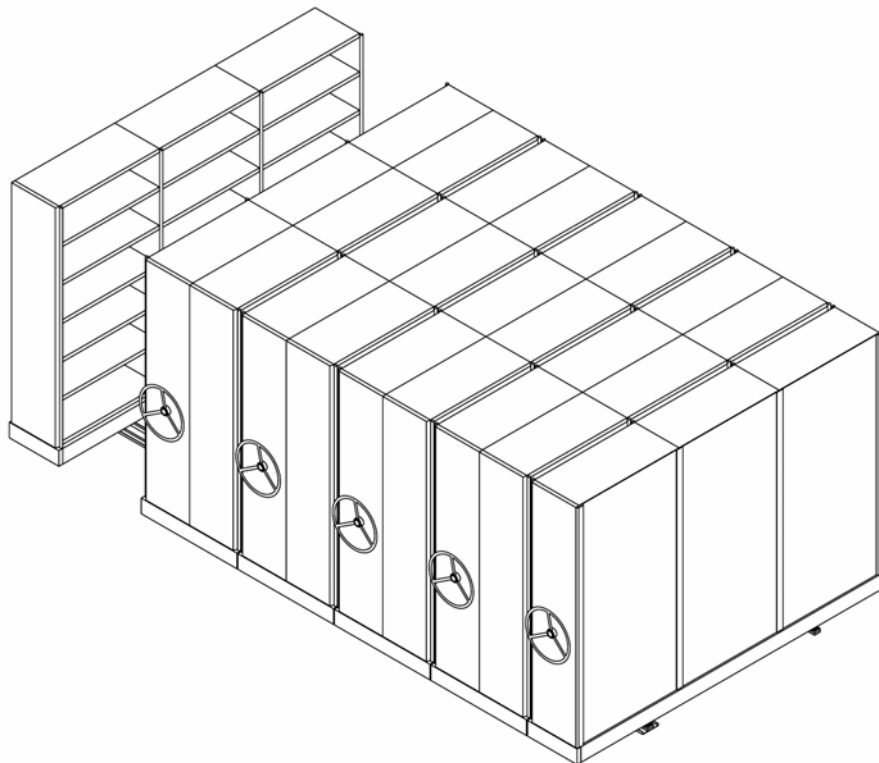
## SECTION 1

# PRODUCT INTRODUCTION

### INTRODUCTION

This manual is a user guide for the Multi-Bay Compactus fixed track mobile storage system. The Multi-bay mobile shelving units increase the storage capacity within a given floor area.

Multi-Bay Compactus consist of shelving bays mounted onto mobile bases with load wheels which run on tracks that are fixed to the floor. Multi-Bay bases are moved by rotating a hand wheel. This operates a chain drive reduction mechanism which rotates a drive wheel on each track allowing loads to be moved with less effort than manual systems.



TYPICAL MULTI-BAY SYSTEM



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## SECTION 2

# LOADING AND OPERATION

### LOADING AND UNLOADING THE SHELVING

Ensure that the items to be stored are safe, stable and able to be lifted. Any packaging should be intact, with for example, box bottoms able to carry the load contained within them.

Where ever possible product should be contained within the area of the shelves, overhangs should be avoided as these could be hazardous to other operators.

It is better to stack the heavier items on the lower shelving and the lighter items on the upper shelves. This lowers the centre of gravity of a loaded cabinet and improves stability.

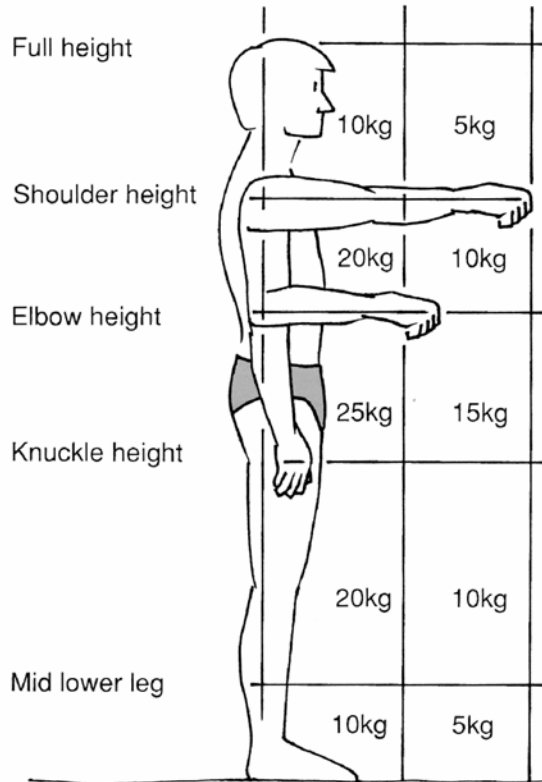
Suitable equipment should be used, such as steps, if access is required to higher storage levels.

Do not over stretch, or climb the shelving to gain access to upper levels.

Do not block aisles, or access to emergency escape routes.



The following illustration shows the recommended safe loadings from the EU Directive for manual handling.



**NOTE:**

These loadings are for men.

For women these figures should be reduced by a third

**GUIDELINES FOR LOWERING + LIFTING**

The above figures are a guide only, recognising the wide range of personal capabilities and the diversity of handling situations.

Employers should make suitable and sufficient assessment of content loads when planning and operating their Multi-Bay Unit.

## MAXIMUM SHELF LOADS

Shelves have the following maximum load rating. These ratings are based on a uniformly distributed load. (UDL)

### PLAIN SHELVES

Bay Width	Shelf Depth					
	250	300	400	450	500	600
750	130 kg	130 kg	130 kg	115 kg	115 kg	115 kg
900	130 kg	130 kg	130 kg	115 kg	115 kg	115 kg
1050	80 kg	80 kg	80 kg	80 kg	100 kg	100 kg
1200	80 kg	80 kg	80 kg	80 kg	100 kg	100 kg

### STIFFENED SHELVES

Bay Width	Shelf Depth				
	300	400	450	500	600
750	240 kg (1)	240 kg (1)	200 kg (1)	200 kg (2)	200 kg (2)
900	240 kg (1)	240 kg (1)	200 kg (1)	200 kg (2)	200 kg (2)
1050	170 kg (1)	170 kg (1)	170 kg (1)	190 kg (2)	190 kg (2)
1200	170 kg (1)	170 kg (1)	170 kg (1)	190 kg (2)	190 kg (2)
<b>Stiffeners</b>	(1) = 1 x shelf stiffener at <u>front of shelf</u>			(2) = 2 stiffeners	

If the shelving is being used for paper filing the figures below may be used as a guide:

900mm Shelf	Average Weight = 30Kg	Max. Weight = 45Kg
1200mm Shelf	Average Weight = 45Kg	Max. Weight = 60Kg

## MAXIMUM BASE LOADS

The maximum load carrying capacity of each mobile base is limited to 1000 Kg per metre of base length (this does not include the self weight of the base and shelving components).

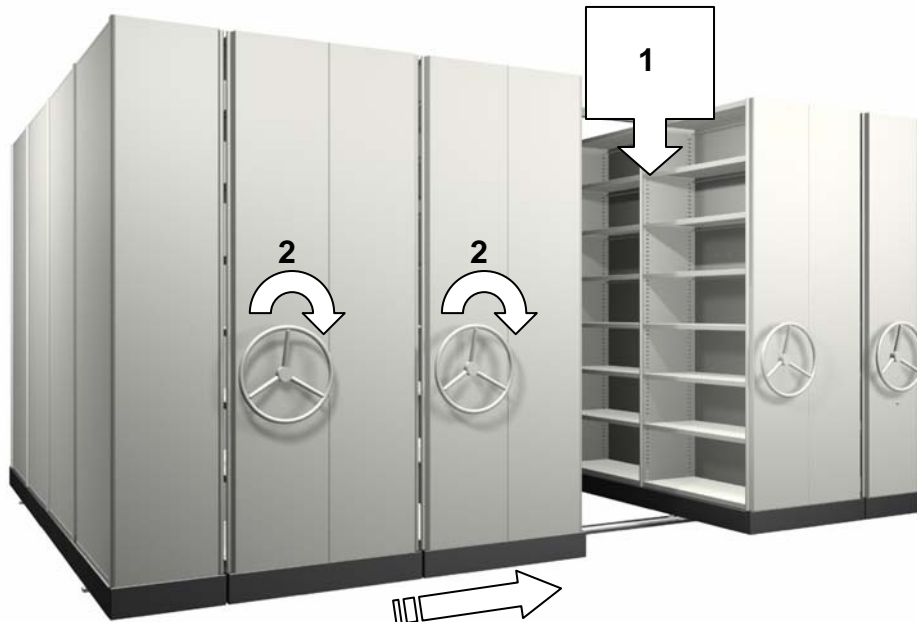
For example:

A base 3.670 metres long has a maximum capacity of 3,670 Kg total load.

## MOVING THE BASES

For mechanically assisted Multi-Bay units the 'block load' should not exceed 20,000Kg. The 'block load' is the weight of the number of shelving stacks on bases which may be moved together.

To move Multi-Bay mobile shelving stacks:



1. Firstly check that no people or obstructions are present in the existing open aisle.
2. Rotate the hand wheel of adjoining stacks in a clockwise or anticlockwise direction to open the required access aisle.

### Note

- Care is to be taken not to use the hand wheel drive mechanism to push more bases than is limited by the block load statement above or the operator feels comfortable in moving.
- When rotating the hand wheel, do so in a smooth manner using a constant force to avoid strain.
- Caution is to be observed when the bases come together so that no part of the body can be pinched between bases.

## SECTION 3

# MAINTENANCE

### GENERAL CARE

The unit should be given a periodic clear out, dusting and clean using a soft cloth and a non-abrasive, non-solvent based cleaning agent.

The shelving system should require little or no maintenance, other than to replace components possibly damaged through incorrect operation. Any component no longer fit for use should be replaced on a like for like basis. Do not attempt to repair components.

### INDIVIDUAL ITEMS

It is recommended that periodic inspections be carried out to rectify any problems that may have occurred. These should include:

#### Tracks, Guides and End Stops

It is important to keep the tracks and guides clear of dirt and any debris. Vacuum or sweep regularly. Check track end stops are secure and replace any damaged stops. Check that the tracks any track joints are level, secure and in good condition. If tracks need to be repaired or re-levelled call your authorised Dexion supplier.

#### Shelving

Check panels and shelves for chips or damage. Repair minor powder coat damage with spray on touch-up paint.

Check all fixings and clips are secure and replace or replace as necessary.

#### Frame Panel Fixing

Check that frame panel clips are securely bolted to the base and clipped onto the frames.

#### Finishing Panels

Check that the screws holding the finishing panels are tight. These screws are on the opposite side of the frame panel to the finishing panel.

### Bases

Check that all base fixing and bearings are free of debris and in good working order. Arrange service through your authorised Dexion supplier if necessary.

### Locking Mechanism

Check that lock is working properly. Lubricate the key way with graphite powder. To access locks remove the hand wheel, loosen screws holding finishing panel (where applicable slide clamps along the frame panel slot) and remove finishing panel. Replacement lock, locking rod, spring and washers are available from your authorised Dexion supplier.

### Hand Wheel

Check that the hand wheel is not able to rock on its shaft and that there is not an excessive amount of slack in the chain when turning the hand wheel. Call your authorised Dexion supplier for service.

## REPAIR AND REPLACEMENT ITEMS

Dexion Code	Description	Unit	Notes
151744	Touch Up Paint – APO Grey	Can	
151745	Touch Up Paint – Stone White	Can	
699798	Touch Up Paint – Graphite	Can	
151330	Screw & Nut M6 x 10mm	Pack 50	
151320	Shelf Clip ZP	Pack 50	4 per shelf
151748	Suspended Filing Rack 900 x 300 White	Each	
151749	Suspended Filing Rack 900 x 400 White	Each	
151752	Suspended Filing Rack 1050 x 400 White	Each	
151754	Suspended Filing Rack 1200 x 300 White	Each	
151755	Suspended Filing Rack 1200 x 400 White	Each	
202781	Shelf Divider UL 400 x 140 SWTH	Each	
202782	Shelf Divider UL 450 x 140 SWTH	Each	