



compactus®

Introduction

The Dexion Mech Assist Compactus® is the safest mechanically assisted Compactus available in Australia today. This storage system cleverly optimises floor space and puts all the storage efficiency you could ever need at your fingertips via carriage lengths well above industry standard. Operation is smooth and effortless due to the ability to select a drive ratio which suits the load of the Compactus and its contents. Dexion Mech Assist Compactus provide market leading safety features, and can be easily upgraded to powered operation at anytime in the future.

Technical specifications

System type	Mechanically Assisted		
Drive type	Line shaft or synchronised		
Track system			
Standard	B Anti-tilt track with dual flange guidance		
Option	Other track profiles available depending on size and weight loads		
Track installation options	Recessed in-floor Above-floor Computer access floors		
Shelving and accessory systems			
Standard	Ultima CI-80 and Longspan		
Maximum system width	13.7m – longer on request		
Shelving width			
Ultima	750, 900, 1050, 1200mm		
Longspan	900, 1200, 1500*, 1800, 2100, 2400mm		
Shelving depths			
Ultima	250, 300, 400, 450, 500, 600mm		
Longspan	400, 450, 500, 600, 760, 900, 1200mm		
Shelving heights			
Ultima	975, 1875, 2175, 2400mm		
Longspan	1200, 2000, 2200, 2500, 3000mm		
Overall system heights (from top of track, excluding overhead pantographs)			
With Ultima	1120, 2020, 2320, 2545mm		
With Longspan	1345, 2145, 2345, 2645, 3145mm		
Maximum carriage carrying capacity	1,500kg per linear metre		
Standard colours -			
Ultima			
Shelving	Stone White		
Carriages	Furniture White		
Face Panels	White low-pressure laminate with black trims		
Longspan			
Beams and shelves	Stone White		
Uprights	Athracite		
Track and carriage	Anodized Aluminium		

*Made to order.

Features

- The Mech Assist carriages can be designed to take shelving, racking, cabinets, even non Dexion products can be fitted to the Mech Assist carriages (ideal for re-use of existing shelving components).
- Available in standard lengths up to 13.7m. Greater carriage lengths are possible, depending on system load factors.
- Maximum load carrying capacity of 1,500 kg per linear metre.
- Standard carriages up to 1200mm depth (deeper carriages can be designed on request).
- The unique in-track anti-tilt safety mechanism is superior to conventional overhead mechanisms and eliminates obtrusive overhead bars. Anti-tilt devices are engineered to comply with all seismic requirements, providing an extra measure of system stability and safety – even in areas prone to earthquakes.
- To assure the smoothest possible operation, an integrated chain tensioner can be easily adjusted to fine tune the carriage drive. This operation only takes a few seconds as a minor service adjustment without disassembly of the system.
- Select from three drive ratios. By appropriately matching the system drive ratio to the load, operation becomes smooth and effortless. Very little force or exertion is needed to open an aisle.
- By adjusting track size, spacing and orientation, floor loads can be optimally distributed at practical bearing points.
- All tracks are fully supported and grouted to evenly distribute system weight.
- Carriage wheels and tracks are machine tooled for precision and tolerance to ensure maximum strength and system life.
- Welded-steel carriage sections enhance the Compactus alignment and reduce binding, racking and misalignment of carriage and shelving.
- The three spoked handle is moulded from a composite of 33% fiberglass and nylon will not bend or rust.
- Laminate end panels as provided as standard and can be selected from a range of colours.
- Optional synchronized drive system. This system can be utilised when the carriages need to be driven from both sides to minimise vibration and provide positive tracking – even with unbalanced loads. This is highly recommended when storing of fragile contents.
- Optional safety lock, to enhance user safety and unwanted movement. The optional safety lock has a bright visual indicator showing the lock status. For additional safety, optional automatic locks are available which help prevent the system from being closed when an aisle is in the open position..
- Optional additional hub locks prevent unauthorised access to any or all aisles. The optional hub lock allows individual carriages to be key locked in closed aisle position if desired.
- Optional one-piece track systems have no butt joints or welds. The tongue-and-groove design restricts lateral movement and provides greater structural rigidity.
- Optional mechanical safety sweep provides extra safety for users working inside an open aisle, the sweep runs the full length of the carriage. Should a carriage start closing all the users need to do is apply light foot pressure to the sweep and a break lock connected to the drive shaft locks the carriage down.

Shelf loads – Ultima

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

Plain shelves	Shelf depth (mm)					
	Bay width (mm)	250	300	400	450	500
750	130kg	130kg	115kg	115kg	115kg	115kg
900	130kg	130kg	115kg	115kg	115kg	115kg
1050	80kg	80kg	80kg	80kg	100kg	100kg
1200	80kg	80kg	80kg	80kg	100kg	100kg

Stiffened shelves	Shelf depth (mm)				
	Bay width (mm)	300	400	450	500
750	240kg	240kg	200kg	200kg	200kg
900	240kg	240kg	200kg	200kg	200kg
1050	170kg	170kg	170kg	190kg	190kg
1200	170kg	170kg	170kg	190kg	190kg

Shelf width (mm)	Average weight (kg)	Max weight (kg)
750	25	37.5
900	30	45
1050	35	52.5
1200	40	60

*These load ratings can be increased by adding our shelf stiffeners. Achieve up to 240kg shelf loads. If the shelving is being used for paper filing the figures below may be used as a guide to the actual load of the contents.

Shelf loads – Longspan

Ultima Steel Shelves supported on Longspan one piece beams have the following maximum load rating. These ratings are based on uniformly distributed load.

Shelf width (mm)	Shelf depth (mm)					
	400	450	500	600	760	900
900	130kg	130kg	115kg	115kg	100kg	100kg
1200	170kg	170kg	150kg	150kg	130kg	130kg
1500	260kg	260kg	230kg	230kg	160kg	160kg
1800	260kg	260kg	230kg	230kg	200kg	200kg
2100	300kg	300kg	265kg	265kg	230kg	230kg
2400	340kg	340kg	300kg	300kg	260kg	260kg

Other

Accessories – Ultima

- Shelf – slotted
- Shelf – plain
- Shelf stiffener
- Divider – binning
- Divider – slotted shelf
- Divider – wrap around
- Filing rack – suspended
- Filing rack – wrap around
- Hanging file chassis
- Coat rail
- Bin fronts
- Roll out – file frame
- Roll out – media drawer
- Roll out – reference shelf
- Bins

Accessories – Longspan

- Shelf – steel
- Shelf – particleboard
- Shelf – mesh
- Shelf support bars
- Divider – mesh
- Mesh binning
- Bins
- Upright cap

Floor loads

Please contact your Dexion representative for information relating to point loads exerted by the wheels on the tracks.

Overall dimensions

Overall unit depth

Refer to image below.

Overall unit length

Tracks are manufactured to suit the available space.

