



## Introduction

Precision Retail Shelving 2 is a cantilever, post based system designed to safely locate and display all manner of saleable goods. Available in a wide range of heights, widths and depths the system allows for the maximisation of shelf/display space within your restraints, whilst modularity enables easy reconfiguration or addition. Units can be wall mounted or freestanding.

An extensive range of standard accessories are available to cater for various display and storage requirements.

## Features

The Precision Retail Shelving 2 system comes with a number of design enhancements that provide superior performance and functionality.

- Clip-on panels provide clean lines, add lateral rigidity and eliminate the need for shelf spacers
- Clip-on panels are available in plain and perforated finish, the latter allowing for the mounting of various accessories to display hang sell products
- A moulded tube cap replaces the folded steel plate providing a cleaner finish
- The 80mm post and cross rail/base depth provides significantly more system strength and rigidity
- Optional diagonal cross braces between posts provide even more lateral strength to shelving units; especially during unpredicted seismic activity
- Increased folded leg and baseplate thickness provide greater overall capacity and safety
- Quicker installation with easy to install horizontal post to post centre braces
- Centre braces incorporate easy action lugs that lock the braces to the post, ensuring they will stay in place under normal operation

## Technical specifications

Systems	Wall mounted	
	Freestanding Single Faced (Wall restrained)	
	Freestanding Double faced	
H post height	1020mm	
Single faced and double faced post	1250mm	
Note: Footing included – Single Faced depth 529mm to suit 1 x 450mm shelf, Double faced depth 978 to suit 2 x 450mm shelves		1400mm
		1550mm
		1630mm
		1855mm
		2010mm
	2315mm	
Posts height	995mm	
Combination post	1224mm	
Note: Footing required – refer to Closed Footing depth for sizes.		1376mm
		1528mm
		1605mm
		1833mm
		1986mm
	2290mm	
Wall channel height	2438mm	
Closed footing depth		300mm
		375mm
		450mm
		525mm
		600mm
Bay width		610mm
		915mm
Shelf Depths	225mm <sup>(1)</sup>	
(1) Standard (horiz) and 3 step shelf brackets available to suit.		300mm <sup>(1)</sup>
		375mm <sup>(1)</sup>
		450mm <sup>(1)</sup>
(2) For base shelf use only as standard.		525mm <sup>(2)</sup>
		600mm <sup>(2)</sup>
Standard colour	Silver Star	

## Shelf loads

The following load information shows the maximum allowable shelf loads and maximum allowable bay loads. All load information has been tested in accordance with strength and deflection guidelines outlined in AS2273-1979.

The individual shelf/bracket combinations have the following maximum load ratings. These ratings are based on a uniformly distributed load.

### Shelf depth (mm) on **Standard Cantilever Brackets**

	225mm	300mm	375mm	450mm
915mm Shelf width	90kg	130kg	130kg	130kg
Reinforcing (No.)	0	1	2	2

### Shelf depth (mm) on **3 Step (Angle) Cantilever Brackets**

	225mm	300mm	375mm	450mm
915mm Shelf width	90kg	110kg	100kg	90kg
Reinforcing (No.)	0	1	2	2

### Shelf depth (mm) when utilised as **Base Shelf**

	300mm	375mm	450mm	525mm	605mm
915mm Shelf width	140kg	160kg	180kg	180kg	180kg
Reinforcing (No.)	1	2	2	2	2

The range of shelves and brackets, inclusive of both 610mm and 915mm width and their respective available depths/bracket combinations, have been tested and rated in accordance with industry accepted strength and deflection requirements.

Where the load bearing capacity is required to exceed the rated kg, please refer your requirements to our technical department.

## Bay loads

The bay load ratings are dependent on size, layout and method of restraint.

Post height (mm)	Bay style				
	Single faced maximum loading (kg)		Double faced maximum loading (kg)		
	Restrained	Unrestrained	Restrained	Unrestrained	'Out of Balance'
1020	500	N/A	1000 (500/face)	1000 (500/face)	200
1250					200
1400					180
1550					170
1630					160
1855					130
2010					120
2315					110

Note: 'Out of balance' bay load refers to the maximum variation in load per face of the bay neglecting that of the base shelf e.g. for a fully loaded 2315 Double Faced bay, the loading per face should in the worst case be 500kg (400kg cantilevered with 100kg base shelf) on one face and 290kg (290kg cantilevered with 0kg base) on the other face.

Note: The 'Out of balance' load values have been calculated based on a maximum allowable deflection at the top of the posts of H/300, fitted with 450mm shelves and equal loadings per shelf.

**Where the 'Out of balance' capacity is required to exceed the stated values, please refer your Dexion Sales Representative.**

## Storage capacity

The following chart gives the maximum (total) amount of storage height between shelves available for any given number of shelves on any post height.

Values shown are based on the uppermost shelf being either set 150mm down from the top face of the post or at the recommended maximum height of 1800mm from floor level.

Post height	Number of shelves (including base shelf)									
	2	3	4	5	6	7	8	9	10	11
	<b>Total amount of storage height available (mm)</b>									
1020mm	642	617	591	566	-	-	-	-	-	-
1250mm	871	846	820	795	770	-	-	-	-	-
1400mm	1023	998	972	947	922	896	-	-	-	-
1550mm	1176	1150	1125	1099	1074	1049	1023	-	-	-
1630mm	1252	1227	1201	1176	1151	1125	1100	1074	-	-
1855mm	1481	1455	1430	1404	1379	1354	1328	1303	1277	-
2010mm	1582	1557	1531	1506	1481	1455	1430	1404	1379	1354
2315mm	1582	1557	1531	1506	1481	1455	1430	1404	1379	1354

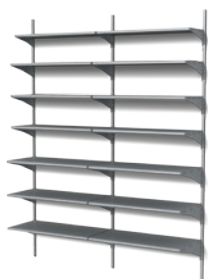
Note: The above values do not account for any additional height which is utilised above the load carrying face of the upper most shelf.

## Other

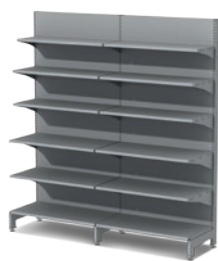
### Accessories

- 12 Step bracket
- Cross bar
- 6 Hook bracket
- Rake holder
- Prong – single (panel mount)
- Prong – double (panel mount)
- Prong – single (H.D. panel mount)
- Straight rail
- Prong – single (Cross bar mount)
- Pelmet bracket (adjustable)
- Clip-on panel – perforated
- Pelmet
- Steel bracket
- 3-Step shelf bracket
- Standard shelf bracket
- Clip-on panel - plain
- Kickplate
- Glass shelf
- Wood/laminate shelf
- Plain shelf
- Steel bin
- Steel bin divider
- Bracket clip (for glass/wood shelves)
- Anti-slip grommet (for glass shelves)

## Systems



Wall mounted



Freestanding - single



Freestanding - double



Gondola unit