

## Warranty

- The Eden system is covered by the Standard Eden Manufacturing Warranty of 12 months; provided loading and operational criteria are not abused and maintenance are followed.
- Weight loadings are set out in the Operations & Maintenance Manual, below.
- Operation criteria is as per the Operation & Maintenance Manual, below.



# Operations & Maintenance Manual

50mm pitch Eden H slot shelving system  
including Heavy Duty Uprights



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## Quick Reference Guide

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## 1 - Introduction

This manual is intended for use by any person responsible for or involved in the maintenance of shelving fixtures provided by Eden Industries and covers core components only (Uprights, Shelves, Back panels & Brackets) This manual should be read fully prior to any alteration to installed equipment.

This manual does not cover any detail relating to the structural alteration/re-positioning of fixtures in anyway. Eden can only warrant works affecting structure/re-positioning that are undertaken by Eden or by suitably qualified personnel working under instruction from Eden.

### **IMPORTANT NOTE**

In situations where ancillary equipment or shelving is fitted that requires electricity to operate/ illuminate, all works to such fixtures should only be undertaken under the supervision of a suitably qualified person.

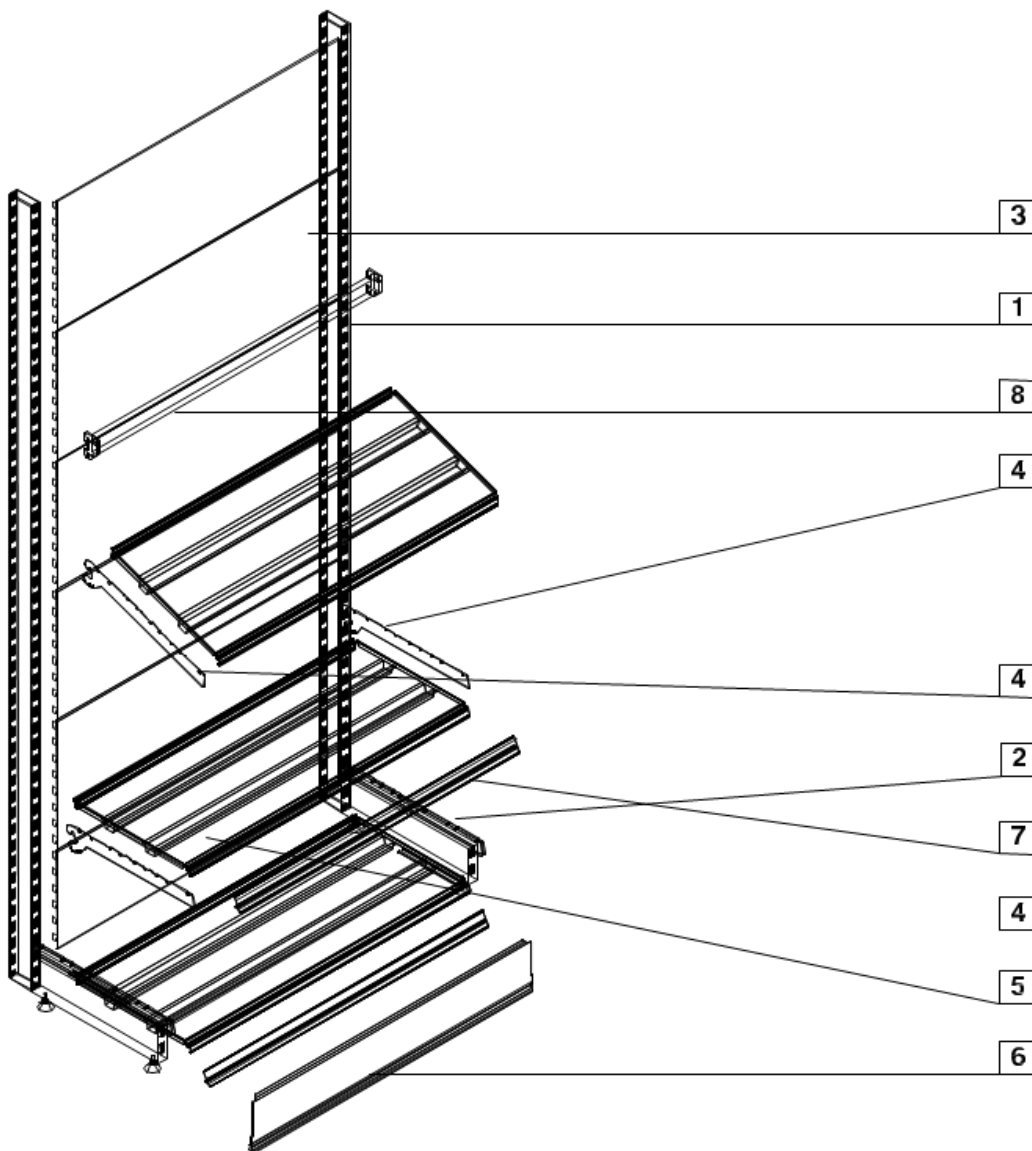
### **1.1 Useful Numbers – Contact information**

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## 2 – Removal And Replacement of Standard Shelves

### 2.1 Equipment Identification



#### Order of assembly

1. Locate baseleg (2) in bottom of upright (1) and tap into place until bottom of baseleg is in line with the bottom of the upright.
2. Space two of these assemblies the correct distance apart using a back panel (3) to set this up.
3. Fit base shelf on top of base legs. the assembled parts will now be stable enough to stand alone.
- Note. Two people are required for steps 2. & 3. One to hold upright assemblies and one to fit back panel and base shelf.
4. Back panels (3) should then be fitted from the bottom up.
5. Brackets (4) can then be located in the slots in the upright at the desired height at the required angle.
6. Fit shelves (5) into notches on brackets.
7. Hook plinths (6) into front of base legs.
8. Accessories such as rear support bars (8) and ticket strip (7) can now be fitted.

## 2 – Removal And Replacement of Standard Shelves

### **2.2 Removal**

1. De-merchandise all shelves to be changed
2. Unclip ticket strip and remove labeling (if applicable)
3. Wipe down the old shelf
4. Remove shelf in an upward motion. If the shelf is difficult to take off the brackets, hold edge of shelf with one hand and using your other hand gently bang upwards on the underneath of the shelf
5. Once the shelf is removed, ensure it does not become a trip or slip Health and Safety hazard to yourself or others by placing in cage or other suitable container
6. Remove brackets one at a time using the same method as above if tightly fitted into pitches (see drawing)

### **2.3 Fitting:**

1. Ensure all replacement/new equipment is clean and undamaged
2. Fit shelf brackets one by one into appropriate slots. *NB: MAKE SURE THAT THE BRACKETS ARE LEVEL WITH EACH OTHER BEFORE FITTING SHELF.* If the brackets appear too tight to fit into the slots, knock gently from the top once the bracket hook is locked down in the slots
3. Place the shelf over the brackets and gently lower, ensuring that both brackets are **INSIDE** the sides of the shelf, and that the shelf is placed at the **FRONT** of the brackets (there are notches in the bracket for this purpose)
4. Clip ticket strip on to the shelf, firstly by putting the **BOTTOM** groove under the shelf, and then secondly clipping the **TOP** of the ticket strip over the upper shelf edge. Once the shelf is safe and secure re-merchandise remembering to check that the merchandising heights co-ordinate with your store merchandising planograms.  
See section 4 for further details

See section 4 for further details

## 3 – Routine Maintenance

- *The correct storage, cleaning and inspection are key to a long and safe service life of your equipment*

### **3.1 Storage**

- All shelving, ticket strips, brackets, uprights & back panels should be stored in a dry, cool environment, wrapped or covered for protection.
- The equipment should preferably be kept in your equipment storage rack, and under no circumstances should it be stored outside unless it is intended or disposal.

### **3.2 Cleaning**

- Wipe down the shelf, free from dirt & dust.
- Simply use warm soapy water and a soft cloth to wipe all shelves, brackets, ticket strip etc.
- DO NOT use SCOURERS, ABRASIVE or CHEMICAL cleaners, or any other substance made specifically for a certain material/use.
- ALWAYS dry the shelf after cleaning and do not leave wet as this may shorten the life of your equipment.
- After cleaning, and if not using immediately, store as above.

### **3.3 Inspection**

- Checks for signs of ware & tear/damage should be undertaken regularly and any concerns reported to the appointed person on site responsible for the maintenance and operation of fixtures so that any necessary actions can be taken.

Associated dangers fall into two main categories:

1. Risk of cuts due to damaged equipment
2. Risk of partial or full fixture collapse due to overloading (see section 4 for details on weight loadings).

Shelves should have no sharp edges or tears and should easily locate squarely on its suitably weight rated mounting brackets. Damaged shelves should be replaced immediately.

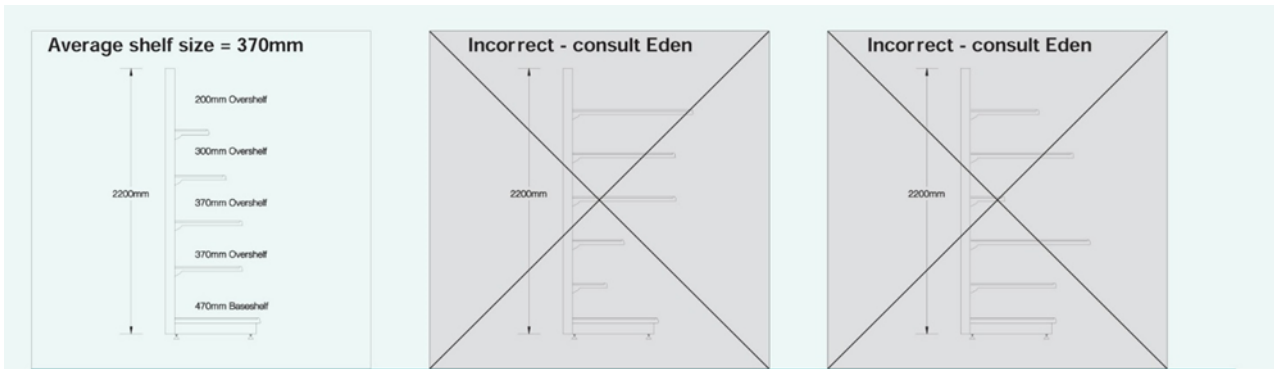
Shelves and fixtures should NEVER BE OVERLOADED

The feet of all uprights should be in firm contact with the ground, raised feet could indicate that the fixture has structural damage, this should be reported immediately.

## 4 – Reference & Technical Data

### **4.1 How to calculate recommended weight loadings:**

- The overall weight loading of a bay depends upon the upright height, size & depth of the overshelves.
- An overshelf must never exceed the depth of the base shelf and must always be arranged with the shelf depth increasing from the top to the bottom.
- Take the average size of the overshelves and use this as the guide for the maximum weight loadings on Table 1. This gives the maximum weight loading for a single-sided wall bay or gondola, excluding the base shelf loading.
- Take each individual shelf size on Table 2 to give you the maximum weight loadings per individual shelf size for that bay.



### **4.2 Weight Loading Tables (Std Equipment) PLEASE SEE TABLE 4.3 FOR WELDED SPEC**

Weight loads for wall shelving and gondolas in Kg

2210mm height upright	Average shelf depth				
	370mm	470mm	570mm	670mm	770mm
60 x 30mm	260	210	150	N.A.	N.A.
80 x 30mm	410	360	300	250	200
110 x 30mm	600	510	450	400	360

Table 1

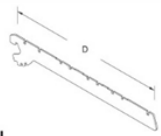
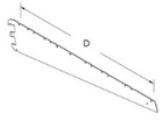
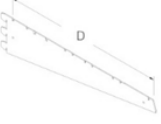
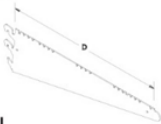
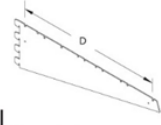
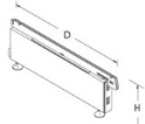
1610mm height upright	Average shelf depth				
	370mm	470mm	570mm	670mm	770mm
60 x 30mm	290	230	190	N.A.	N.A.
80 x 30mm	490	390	320	270	240
110 x 30mm	600	510	450	410	380

Stated loads are calculated for maximum recommended loading height of 2210mm and 1610mm high shelving bays. Weight loads or intermediate bay heights can be calculated by interpolating these values. Maximum weight loadings are shown for single-sided wall bays or gondolas excluding the base shelf. Shelf depths increase from top to bottom. For special configurations of height and depths consult Eden Industries (UK) Limited.

N.A = Not advisable

## 4 – Reference & Technical Data

### Weight loads for brackets, shelves and baselegs in Kg

<b>2 hook adjustable bracket</b>		<b>665mm</b>	<b>1000mm</b>	<b>1250mm</b>	<b>1333mm</b>
	D300mm	120	120	120	120
	D370mm	100	100	100	100
	D470mm	90	90	90	90
<b>3 hook adjustable bracket</b>		<b>665mm</b>	<b>1000mm</b>	<b>1250mm</b>	<b>1333mm</b>
	D370mm	205	205	180	160
	D470mm	170	170	170	170
	D570mm	150	150	150	150
	D670mm	125	125	125	125
<b>3 hook non-adjustable bracket</b>		<b>665mm</b>	<b>1000mm</b>	<b>1250mm</b>	<b>1333mm</b>
	D370mm	250	210	180	160
	D470mm	230	230	230	230
	D570mm	200	200	200	200
	D670mm	160	160	160	160
<b>25mm/50mm bracket</b>		<b>665mm</b>	<b>1000mm</b>	<b>1250mm</b>	<b>1333mm</b>
	D470mm	230	230	230	230
	D570mm	200	200	200	200
	D670mm	160	160	160	160
<b>4 hook non-adjustable bracket</b>		<b>665mm</b>	<b>1000mm</b>	<b>1250mm</b>	<b>1333mm</b>
	D570mm	310	310	280	260
	D670mm	260	260	260	260
	D770mm	230	230	230	230
<b>Baselegs</b>		<b>665mm</b>	<b>1000mm</b>	<b>1250mm</b>	<b>1333mm</b>
	D370mm	250	210	180	160
	D470mm	340	320	290	250
	D570mm	350	330	280	260
	D670mm	450	370	360	320
	D770mm	480	350	340	300

The specified loads are developed in accordance with European Standard FEM 10.2.02 and RAL - RG614. Shelving bays must be merchandised with weight loads decreasing upwards. The specified loads presume even distribution of weight over the shelf surface. Regarding special loading requirements, please consult **Eden Industries (UK) Limited**. Drawings and illustrations are without commitment.

## 4 – Reference & Technical Data

### **4.3—Weight Loading Tables (Heavy Duty spec welded uprights)**

The Table below applies only to L133.3 equipment designated as Welded Heavy Duty uprights and is intended as a sample, in all other cases you should refer to the weight loadings tables 1 & 2 of the preceding sections of this document, or contact Eden for verification of other bay sizes

#### Weight Loading - Summary Analysis - Heavy Duty Shelving

##### 1333 Bays with Welded Leg Returns.

As Used Fixture Detail	Maximum Base Shelf Weight Loading (kg)		Maximum Overshelf Weight Loading (kg)		Maximum Bay Weight Loading (kg)		Comments	Profile Flush-Waterfall-4 Post	
	Base Shelf Size	Load	Overshelf	Load	Total	Load			
<b>a) 1500mm High Fixtures</b>									
i) with a 470mm Return (110x30 Column)	470mm	250 kg	Flush	750 kg	1000 kg	*	Weight loading on shelves should always decrease upwards		
ii) with a 570mm Return (110x30 Column)	570mm	260 kg	Flush	670 kg	930 kg				
<b>b) 1900mm High Fixtures</b>									
i) with a 470mm Return (110x30 Column)	470mm	250 kg	Flush	750 kg	1000 kg		Weight loading on shelves should always decrease upwards		
ii) with a 570mm Return (110x30 Column)	570mm	260 kg	Flush	670 kg	930 kg				
<b>b) 2100mm High Fixtures</b>									
i) with a 470mm Return (110x30 Column)	470mm	250 kg	Flush	750 kg	1000 kg		Weight loading on shelves should always decrease upwards		
ii) with a 570mm Return (110x30 Column)	570mm	260 kg	Flush	670 kg	930 kg				
<b>c) 2200mm High Fixtures</b>									
i) with a 470mm Return (110x30 Column)	470mm	250 kg	Flush	750 kg	1000 kg		Weight loading on shelves should always decrease upwards		
ii) with a 570mm Return (110x30 Column)	570mm	260 kg	Flush	670 kg	930 kg				
<b>a) 1500mm High Fixtures</b>									
i) with a 470mm Return (110x30 Column)	470mm	250 kg	Waterfall	750 kg	1000 kg		Weight loading on shelves should always decrease upwards		
ii) with a 570mm Return (110x30 Column)	570mm	260 kg	Waterfall	670 kg	930 kg				
iii) with a 670mm Return (110x30 Column)	670mm	320 kg	Waterfall	600 kg	920 kg				
<b>b) 1900mm High Fixtures</b>									
i) with a 470mm Return (110x30 Column)	470mm	250 kg	Waterfall	750 kg	1000 kg		Weight loading on shelves should always decrease upwards		
ii) with a 570mm Return (110x30 Column)	570mm	260 kg	Waterfall	670 kg	930 kg				
iii) with a 670mm Return (110x30 Column)	670mm	320 kg	Waterfall	600 kg	920 kg				
<b>b) 2100mm High Fixtures</b>									
i) with a 470mm Return (110x30 Column)	470mm	250 kg	Waterfall	750 kg	1000 kg		Weight loading on shelves should always decrease upwards		
ii) with a 570mm Return (110x30 Column)	570mm	260 kg	Waterfall	670 kg	930 kg				
iii) with a 670mm Return (110x30 Column)	670mm	320 kg	Waterfall	600 kg	920 kg				
<b>c) 2200mm High Fixtures</b>									
i) with a 470mm Return (110x30 Column)	470mm	250 kg	Waterfall	750 kg	1000 kg		Weight loading on shelves should always decrease upwards		
ii) with a 570mm Return (110x30 Column)	570mm	260 kg	Waterfall	670 kg	930 kg				
iii) with a 670mm Return (110x30 Column)	670mm	320 kg	Waterfall	600 kg	920 kg	No merchandised weight above 2200mm			
<b>a) 1500mm High Fixtures</b>									
i) with a 670mm Return (110x30 Column)	670mm	320 kg	4 Post	1460 kg	1780 kg		Weight loading on shelves should always decrease upwards		
ii) with a 770mm Return (110x30 Column)	770mm	300 kg	4 Post	1460 kg	1760 kg				
iii) with a 1040mm Return (110x30 Column)	1040mm	500 kg	4 Post	1460 kg	1960 kg				
<b>b) 1900mm High Fixtures</b>									
i) with a 670mm Return (110x30 Column)	670mm	320 kg	4 Post	1460 kg	1780 kg		Weight loading on shelves should always decrease upwards		
ii) with a 770mm Return (110x30 Column)	770mm	300 kg	4 Post	1460 kg	1760 kg				
iii) with a 1040mm Return (110x30 Column)	1040mm	500 kg	4 Post	1460 kg	1960 kg				
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i) with a 670mm Return (110x30 Column)	670mm	320 kg	4 Post	1460 kg	1780 kg		Weight loading on shelves should always decrease upwards		
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i) with a 670mm Return (110x30 Column)	670mm	320 kg	4 Post	1460 kg	1780 kg		Weight loading on shelves should always decrease upwards		
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