



## **MASLEN AUSTRALIA SHELVING INSTALLATION INSTRUCTIONS 2008**

### **FOUR POST (FREE STANDING) SHELVING SYSTEM**



## MASLEN AUSTRALIA INSTALLATION PROCEDURE

Once the Inserts and Glass Doors are installed and wired we then recommend the installation of the Maslen Australia Four Post Free Standing Shelving System.

### Prior to Shelving Assembly

- Write down customers shelving configuration (Number of Shelves / Layers) per bay and shelf height requirements, prior to assembly.
- **Prior to Shelving Assembly: Determine the high point within the shelf floor area. The shelf posts employed within this high point area should be adjusted to there minimum height.**
- Commence shelving installation at one end of a Glass Door Insert, assembling one bay at a time.

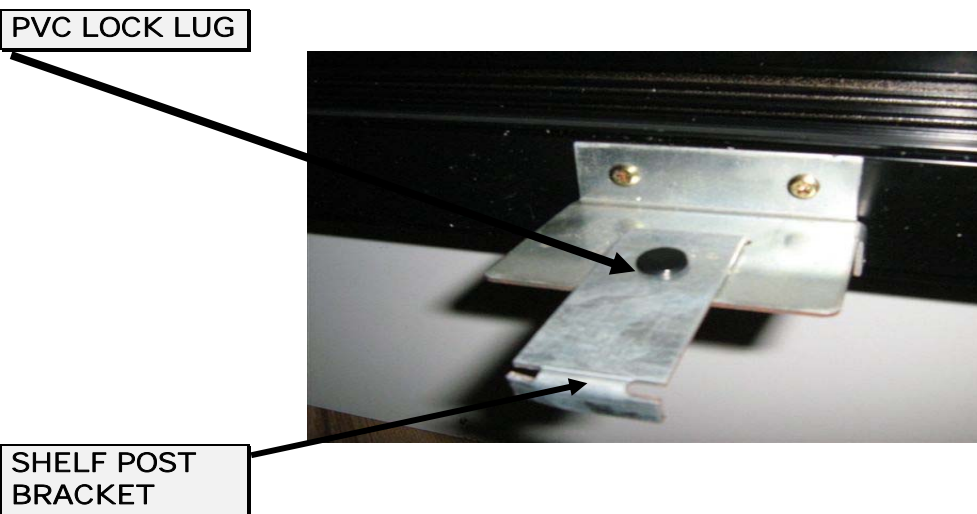
### Item No.1

- Connect all of the Shelf Post Brackets to both Top & Bottom of the pre-installed brackets on insert frame with the PVC Lug Locks. **See Photo P1.**

### Photo P1.

#### THE (SHELF POST BRACKET)

The insert Shelf Post Bracket is to be correctly installed with a PVC Log Lock prior to installing the shelving system/



### Insert Connecting Brackets

- Plated steel bracket (bridge) between Front Upright Shelving Posts and Inserts
- Two required for each front post one upper and one lower.
- Insure that the shelf post brackets are perpendicular to the insert frame.
- **An additional self tapping Tek screw is recommended to further secure the bracket to insert mounting plate.**

#### Item No.2

- Slotted Upright Posts **See Post Photo P2.**
- Position the front (insert side) Slotted Upright Post with the open section of the “C” Channel facing towards the Glass Door.
- Connect the Slotted Upright Posts to both Top & Bottom shelf post brackets on insert frame starting with the Top bracket and then inserting the posts into the bottom bracket.

#### Photo P2.

##### Slotted Upright Post.



- Heavy Duty Steel “C” Channel Post construction
- Galvanised finish (Standard)
- Powder Coat over the Galvanised finish Optional
- Standard length 2050mm
- Optional **Extra Heavy Duty** length 2400mm **(for ceiling support)**
- Optional **Extra Heavy Duty** length 3000mm **(for ceiling support)**

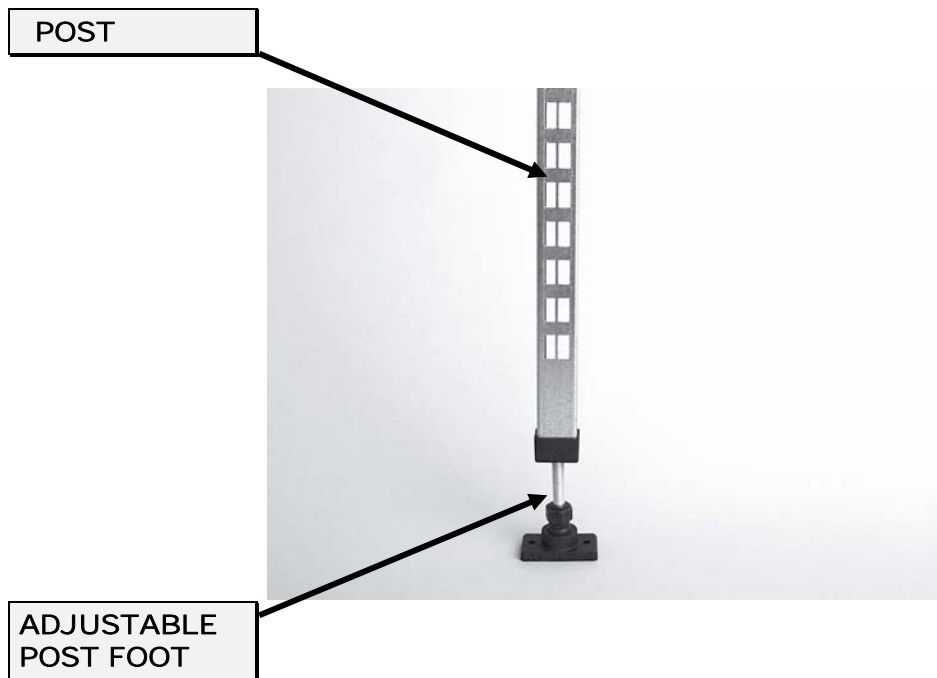
Item No3.

- Install the Adjustable Mounting Feet to the Slotted Upright Posts (Friction fit) once the front Slotted Upright Posts are installed to the inserts.
- Install the Adjustable Mounting Feet to the Slotted Upright Posts (Friction fit) to the rear (free standing) Slotted Upright Posts. **See Photo P3.**

Photo P3.

**Assembling Slotted Upright Posts with Adjustable Post Feet. (Levelling Device)**

Shown with Adjustable Post Feet (fitted)



**Notes:**

- Ensure that all Slotted Upright Posts are correctly installed with an Adjustable Post Foot.
- Ensure that the thread on the Adjustable Post Feet exceeds the upper block (Post to Feet Joiner block.) IE: The thread bolt passes all the way through the block.
- Adjustable Post Foot. Is not to be used to increase the height to the shelving but as a shelving levelling device. This insures a lower centre of gravity to the complete shelving system.

Item No.4

- Align the rear Slotted Upright Post approximately 600mm behind the front Slotted Upright Post with the open section of the “C” Channel facing away from the Glass Door (towards the back of the coolroom / freezer room

**For Five (5) Six (6) and Seven (7) Tier (Layer.) Shelving with 500Kg Load Capacity per bay.**

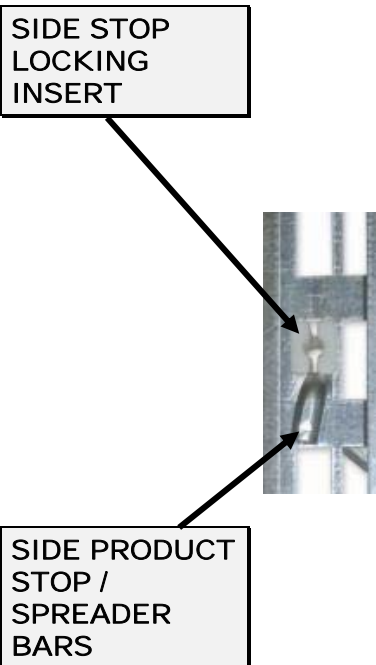
- Install **Three (3) Side Product Stop / Spreader Bars** (Stabilizer Bars.) Horizontally positioned Top, Centre and Bottom slots (equi-spaced.) to the front and rear posts **See Photo P3.**

**For Five (5) Six (6) or Seven (7) Tier (Layer.) Shelving with 735Kg Load Capacity per bay.**

- Install **Four (4) Side Product Stop / Spreader Bars** (Stabilizer Bars.) Horizontally positioned Top, and Bottom slots and equi-spaced in-between, to the front and rear posts **See Photo P3.**

Photo P3.

**Installation of Side Product Stop / Spreader Bars. (Stabilizer Bars)**



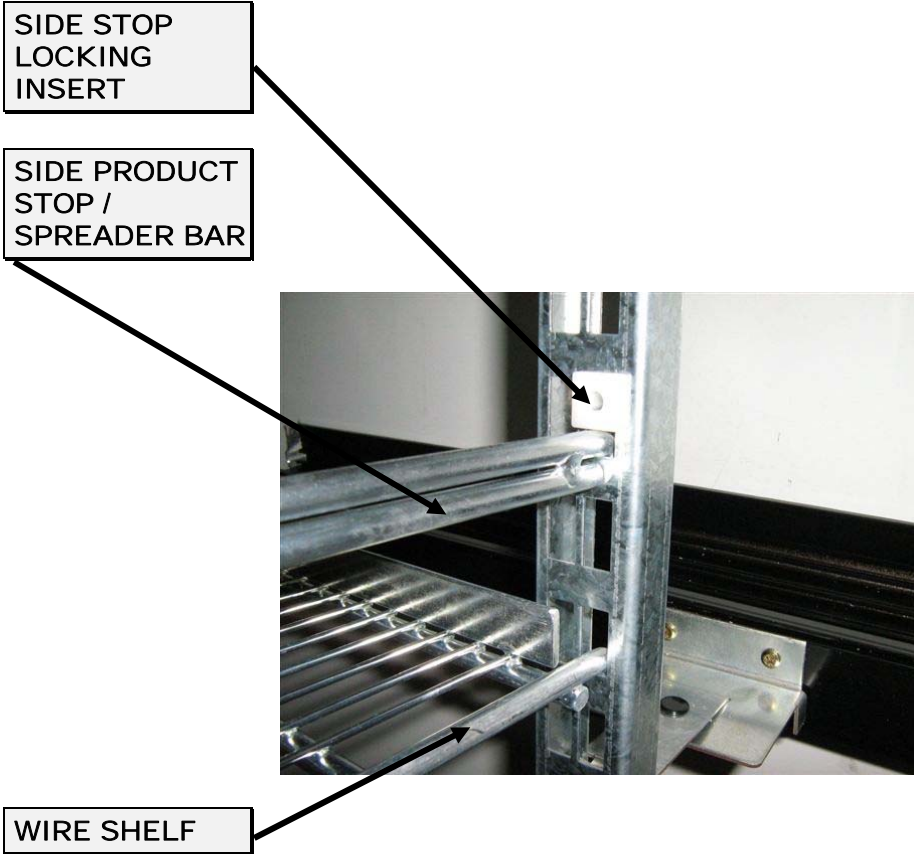
**Note:**

**The White Side Stop Locking Inserts must be fitted to all Side Product Stop / Spreader Bars. Including both Front and Rear Posts.**

#### Item No.5

- Install Side Stop Locking Inserts into all Side Product Stop / Spreader Bars (front and rear.) To lock the Side Product Stops / Spreader Bars (Stabilizer Bar) into Slotted Upright Posts.  
**See Photos P3 and P4.**

Photo P4.  
FRONT SHELVING POST TO INSERT ASSEMBLY.



Repeat process installing the next two posts

#### Item No.6

- Install bottom shelf and top shelf. (Shelving to be inserted into the first (outer) Slot of the Upright Post at either end of the shelving.)

Repeat process along the insert until all the posts with both top and bottom shelves are installed

- Straighten (Align) all shelving posts so that they are all correctly spaced and perpendicular.
- Insert additional wire shelving as per customer shelving configuration. Starting from the bottom working upwards.(Shelving can be installed level or angled for gravity feed.)
- Check shelving / post alignment with a spirit level.
- **Once shelving is assembled and correctly positioned re-adjust Hex Head locking nuts on all Adjustable Post Feet with a 19mm wrench.**
- **Dyna Bolt Ø6.0mm Mounting Feet to floor junction.**

## OPTIONS

- We can supply optional **Longer Slotted Upright Posts** (in 2400mm or 3000mm Lengths.) on request with additional Adjustable Post Feet for **ceiling mounting of posts to further strengthen the shelving system and provide added ceiling support.** (if specified.)
- We can supply optional **Post Bridging Bracing.** See *Photo P5*. That can be fitted between the Slotted Upright Posts (Located parallel to the Glass Doors) for increased structural support.
- Merchandising Frames, Dividers, Pricing Strips.
- **Protective Mesh** (Cage.) for Shelving Ends with Person Entry Doors.

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Photo P5.

**Optional (Horizontal.) Post Bridging Bracing**

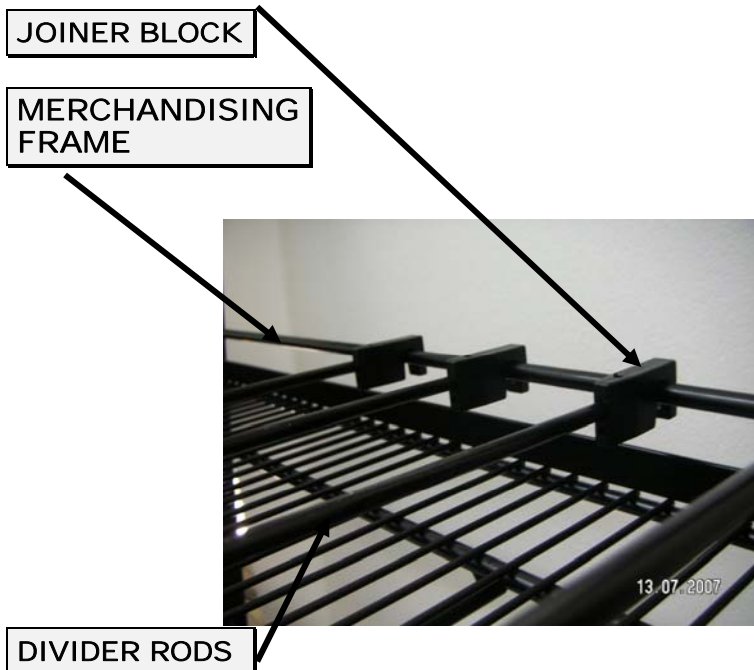


- **Optional.** Plate steel bracing (bridge) between Upright Shelving Posts. (*Shown in black*).
- For increased structural stability.

## OPTIONS CONTINUED...

Photo P6.

**Optional. Merchandising Frame complete with Divider Rods and Joiner Blocks.**



Optional Accessories available to individualize you're your merchandising system

- Install Merchandising frame/s (Same as shelving) or Multiple Frames for form Baskets.
- Insert Joiner Blocks to both ends of the Divider Rods
- Insert Joiner Blocks / Divider Rod Assembly into Merchandising Frame.  
(Optional Locking screws available on request.)

Photo P7.

**Optional. Pricing Strip.**



**MASLEN SAFE LOAD CAPACITIES.**

**Five Six and Seven Tier Shelving  
105 Kg Safe Load Capacity Per Shelf.  
500 Kg Safe Load Capacity Per Bay**

**When employing Three (3) equi-spaced Side Product Stop Spreader Bars between each of the front and rear posts. (As per Item No.4)**

**Five Six and Seven Tier Shelving  
105 Kg Safe Load Capacity Per Shelf.  
735 Kg Safe Load Capacity Per Bay**

**When employing Four (4) equi-spaced Side Product Stop Spreader Bars between each of the front and rear posts. (As per Item No.4)**

**DO NOT EXCEED THE MASLEN SAFE LOAD CAPACITIES**