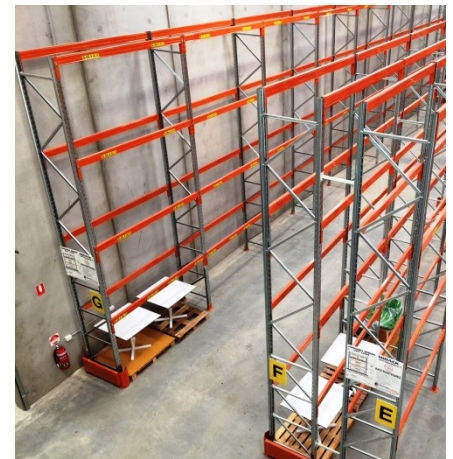


SELECTIVE PALLET RACKING

Pallet racking is a 'dynamic structure', not a set of components!
 Our experienced staff will help you select the right racking to meet your needs and calculate the Safe Working Load based on your configuration to comply with AS4084-2012.

Standard selective racking sizes

| Upright Frames | Pallet beams (Clear entry bay width) | | |
|----------------|---|----------------|----------|
| | 1 pallet wide | 2 pallets wide | Wide bay |
| Height | | | |
| 914mm | 1372mm | | |
| 2438mm | 1524mm | | |
| 3048mm | | 2591mm | |
| 3658mm | | 2743mm | |
| 4267mm | | | 3048mm |
| 4877mm | | | 3353mm |
| 6096mm | | | 3810mm |

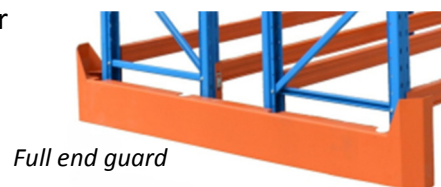


Standard frames are 838mm deep for a standard 1170mm x 1170mm pallet.

Rack protection

End frames exposed to cross aisles or intersections should be protected.

We have single post column guards and full end guards for both single deep and back to back racking runs.



Full end guard








Column guard

Rack accessories



Ask about our range of rack accessories, including:

-  Shelving beams (1372mm, 1829mm, 2438mm, 2591mm & 2743mm)
-  Pre-cut particleboard shelves
-  Under-shelf support bars (for 838mm and 1219mm frame depth)
-  Mesh shelving decks (for 838mm and 1219mm frame depth)
-  Mesh backing solutions

Rack inspections

Rack inspections should be conducted at least once a year by a competent person.

Ask us - we can assist with inspection and reporting services for pallet racking.



Selective Pallet Racking

Pallet racking is a dynamic structure, not a set of components.

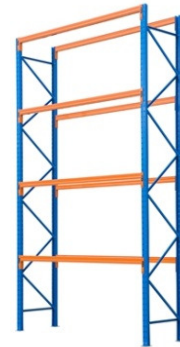
We will work with you to determine the right components for your application, based on your loading requirements and the configuration of your racking.

Frames

| Height | Depth |
|--------|-------|
| 914mm | 838mm |
| 1829mm | 838mm |
| 2438mm | 838mm |
| 3048mm | 838mm |
| 3658mm | 838mm |
| 4267mm | 838mm |
| 4877mm | 838mm |
| 6096mm | 838mm |

There are a number of options to be determined depending on loading and configuration of your racking:

- Column thickness
- Bracing pattern
- Baseplate type



Frame depth is 838mm to suit a standard Australian pallet (1170mm x 1170mm). Other depths available if required: 600mm, 1220mm, and custom depths.

Beams

| Beam Length | Beam Depth | Section Type | Capacity / beam pair |
|-------------|------------|--------------|----------------------|
| 2591mm | 100mm | Box | 2300Kg |
| 2591mm | 120mm | Box | (A) |
| 2743mm | 100mm | Box | 2100Kg |
| 2743mm | 120mm | Box | (A) |
| 3048mm | Various | Box | (A) |
| 3353mm | Various | Box | (A) |
| 3810mm | Various | Box | (A) |

(A): Capacity of beams varies depending on beam depth. Please let us know what carrying capacity you require.

| | | |
|--------|------|------|
| 1372mm | 60mm | Step |
| 1829mm | 60mm | Step |
| 2438mm | 60mm | Step |
| 2591mm | 60mm | Step |
| 2743mm | 60mm | Step |

Beam Capacity: Based on a uniformly distributed load. Overall bay load must also be taken into account.



Please note:

The overall bay capacity must be considered.

Beam level capacity may be limited to less than stated maximum by the overall bay capacity.



Calculating overall run length

Each upright adds 100mm to overall run length in addition to the sum of the clear entry bays.

For example, a run of 2 x 2591mm bays:
 $100 + 2591 + 100 + 2591 + 100 = 5482\text{mm}$



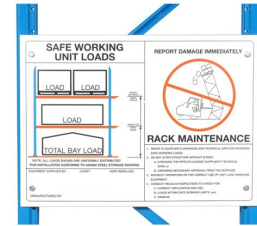
Rack safety

Safe working load signs

| | |
|---------------------------------|--|
| | |
| Load sign with maintenance info | |
| Generic load sign | |

Signs include load stickers.

Loadings only apply to racking installations in good condition, with no damage, and correctly installed in accordance with the Australian standard.



Rack Protection Products

| |
|--------------------------------------|
| |
| Column guard (wrap around guard) |
| Column guard (angle corner guard) |
| End guard, single entry rack: 1040mm |
| End guard, double entry rack: 2350mm |



400mm high column guard



Single-entry end guard



Double-entry end guard

Rack Hardware

| |
|-----------------------|
| |
| Levelling plate 1.5mm |
| |
| Beam Clip |
| Dynabolts: 12 x 75mm |

Pallet racking must installed level on a strong concrete floor. Racks must be installed level – front to back and side to side. For an uneven floor, use steel levelling plates to ensure level installation.

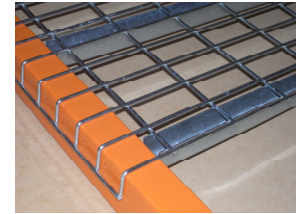
Every baseplate must be fixed with two dynabolts per baseplate.

12 x 75mm dynabolts are normally used. Longer dynabolts may be required where levelling plates are fitted under the baseplates.

Shelving Accessories

Wire mesh decks

| | |
|-------------------------------|-------------------|
| 1270mm long x 840mm deep (a) | 1000kg UDL / deck |
| 1350mm long x 840mm deep (b) | 1000kg UDL / deck |
| 1270mm long x 1220mm deep (a) | 1000kg UDL / deck |
| 1350mm long x 1220mm deep (b) | 1000kg UDL / deck |



(a): For 2591mm wide bays: 2 decks per level.

(b): For 2743mm wide bays: 2 decks per level.

Particleboard shelving

| | Shelf load (UDL) |
|---------------------------------|------------------|
| 1800mm long x 838mm deep x 18mm | 240Kg |
| 2400mm long x 838mm deep x 18mm | 320Kg |
| 2570mm long x 838mm deep x 18mm | 350Kg |
| 2700mm long x 838mm deep x 18mm | 360Kg |
| 2570mm long x 838mm deep x 25mm | 500Kg |
| 2700mm long x 838mm deep x 25mm | 520Kg |
| Particleboard retainer clips | |

UDL: Uniformly distributed load.

Particleboard is subject to deflection. Use support bars (see below) to limit deflection and increase board loads.



Shelf support bars

| |
|--------|
| 840mm |
| 1220mm |

Generally used with 18mm particleboard to limit deflection.

Approx. guide: 200Kg per support bar (840mm)

150Kg per support bar (1220mm)

Support bars have a folded retaining lip to hold board in place.



Hose hangers

| |
|---------------------------------|
| Hose hanger, pipe: 700mm x 50mm |
|---------------------------------|

