

# Pallet Storage Solutions





- Selective pallet racking allows 100% access to every pallet location at any time
- When correctly designed there are few limitations to the type of goods that can be stored in selective pallet racking
- ColbyRACK is designed for your individual needs. It is configurable to suit your storage requirements, your warehouse parameters and your materials handling equipment
- Selective racking requires a relatively low capital investment, yet provides the highest flexibility



Colby RackMAN is proprietary software designed to ensure safety, integrity and compliance with design standards.

## Selective Pallet Racking

Maximum storage flexibility and versatility



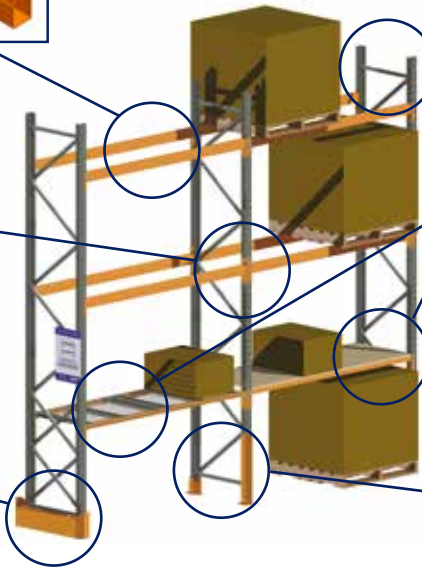
A versatile range of beam sections



Heavy-duty 'Cobra clips' for beams



Rack end protection for safer operation



Strong frame bracing



Shelving options with mesh decks or particle boards



Front and rear upright protectors minimise damage

Lowest cost. Highest flexibility. Selective pallet racking is the most popular storage system for palletised goods. It provides ready access to every pallet location for a relatively low capital investment.

Selective pallet racking can be serviced by virtually any type of forklift including counter-balance and reach trucks. It is ideal where full selectivity and speed of operation are the main objectives. Selective pallet racking can also be adjusted to suit the height of goods stored and it can be easily relocated. A variety of different beam and upright dimensions allows ColbyRACK to suit your storage requirements at a competitive price.

ColbyRACK is designed and manufactured in Australia from high strength steel. Smart section design including strengthening ribs and reinforcing flanges ensures outstanding safety.

### Better Products. Better Value.

A new storage system is a substantial investment. To achieve optimum storage capacity without compromising productivity targets Colby invests continuously in product development for reliable rack solutions. Better products minimise the risk of damage and ensure years of outstanding performance.

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"We subject the full range of ColbyRACK components to rigorous testing to ensure the highest levels of design integrity."

Dr. Murray Clarke  
Head of Structural Engineering, Dematic

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## Drive-In Pallet Racking

A low cost, versatile solution for high density pallet storage



Drive-In pallet racking is the lowest cost and most popular form of high density pallet storage. Drive-In racking provides excellent storage capacity in applications where there is a large quantity of pallets for each SKU. It is ideal for many industry sectors including general manufacturing, food and beverage as well as the cold storage industry.

Colby Drive-In Rack has advanced design characteristics that ensure optimal performance at the lowest cost per footprint.

Heavy-duty bracing connects symmetrically to the rack upright, increasing strength and load-carrying capacity, while reducing the amount of bracing required.

The system includes innovative, one piece, formed cantilever brackets that wrap securely around the upright.

Backstops are positioned at the end of the pallet runners to prevent pallets from being pushed too far into the rack, eliminating potential damage to spine bracing and further increasing safety.

Heavy-duty, purpose-designed floor channels help to guide forklifts into Drive-In Racking bays, ensuring quick and easy alignment, safer handling and reduced risk of rack damage. For added protection, our patented Colby Protect-a-RACK wraps around the base of the rack uprights, with their angled profile deflecting impacts, minimising damage and maximising clear bay entry.

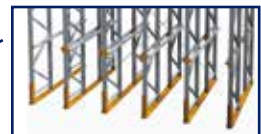
## Typical Drive-In Rack Assemblies



Robust pallet runners for easy load positioning



Innovative cantilever brackets



Stronger, more rigid uprights



Heavy-duty floor channels



Streamlined rack protection for safer operation

- Optimised design uses fewer, but stronger and larger structural components, which means you pay less and get superior load capacity and safety
- Colby Drive-In racking components are standardised, making installation quick and simple
- Our modular design is highly configurable for individual needs
- All Colby Drive-In Rack solutions incorporate a completely integrated system of safety components to minimise damage in the event of an accident and maximise the life of your storage system



Colby RackMAN is proprietary software designed to ensure safety, integrity and compliance with design standards.

## ColbyRACK Beams

Optimum combination of structural performance, durability and cost efficiency



**Box beam (BX)**  
Our standard versatile beam



**Open beam (OB)**  
For light-duty applications



**Heavy-duty beam (UU)**  
Helps resist frontal impact damage



**Step beam (ST)**  
For use with mesh decks or other shelving

Colby offers a wide variety of beams for adjustable pallet racking to meet differing requirements, balancing the needs of structural performance, cost and durability. All standard Colby beams are made from 1.5 mm thick high tensile steel. Heavy-duty beams are made from 2.0 mm thick high tensile steel. A powder coated finish creates a durable, hard wearing surface for even the harshest warehouse environments. The standard beam colour is safety orange. The range of beams includes “closed”, “open” and “structural” beams, depending on load requirements.

Standard beam **lengths**:

**1,370 / 2,590 / 2,740 / 3,050 / 3,810 mm**

Standard beam **depths**:

**BX** 65 / 90 / 100 / 125 / 155 mm

**UU** 110 / 130 / 150 mm

**OB** 55 / 75 mm

**ST** 65 / 90 mm

## ColbyRACK Upright Sections

Maximum upright strength at minimum cost

High strength steel and smart section design combine to provide maximum upright strength at minimum cost. A strengthening rib in the front face of the upright and reinforcing flanges at the rear, make them significantly stronger than other systems.

The unique diamond-slot profile of ColbyRACK provides a stronger and more efficient interlock between upright and beam connectors. All ColbyRACK uprights are supplied with a galvanized finish to provide long-life performance even in the harshest of conditions.

Available **standard (SD)** uprights:

**Width: 90 mm Steel Thickness: 1.5 mm**

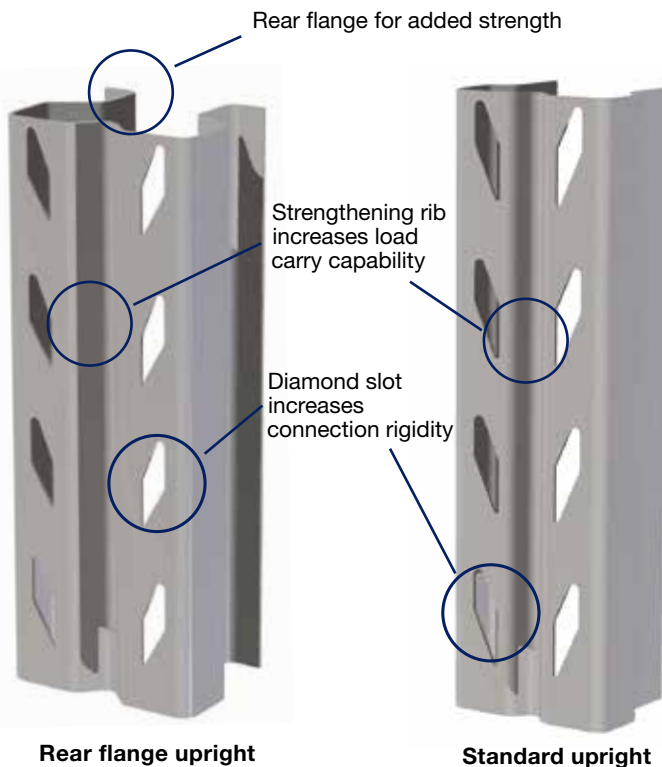
Available **rear flange (RF)** uprights:

**Width: 90 mm Steel Thickness: 1.5 / 1.9 / 2.4 mm**

**Width: 110 mm Steel Thickness: 1.9 / 2.4 / 3.0 mm**

**Width: 125 mm Steel Thickness: 1.9 / 2.4 / 3.0 mm**

**Width: 150 mm Steel Thickness: 1.9 / 2.4 / 3.0 mm**





**RapidRunner Satellite Storage**  
Maximum storage and operational effectiveness



**Double Deep Pallet Racking**  
Better density compared to selective rack



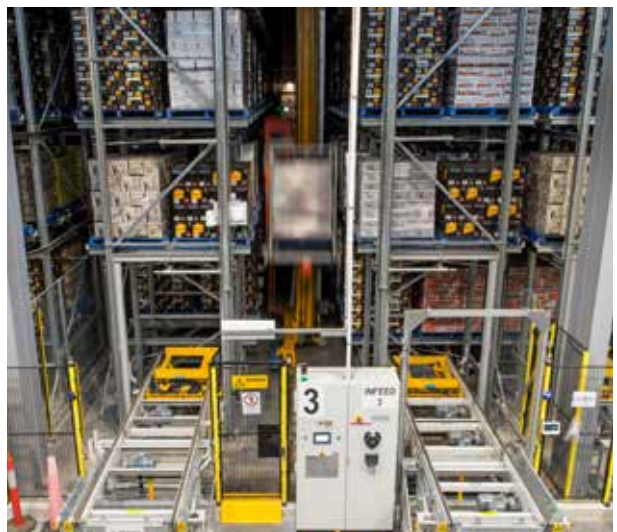
**Push Back Pallet Racking**  
Dense storage with greater selectivity



**Pallet Live Storage**  
First-in first-out automatic stock rotation



**Narrow Aisle Racking**  
Excellent capacity saves land and building costs



**High Rise Storage**  
Automated storage and retrieval

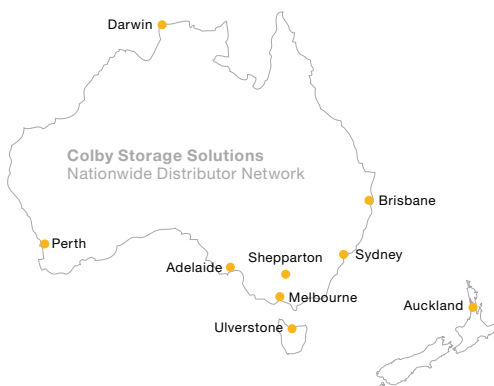
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#### About Colby Storage Solutions

Colby Storage Solutions is one of Australia's best known and respected suppliers of innovative, high quality storage solutions. With 50 years experience in providing reliable and cost effective solutions, Colby combines the flexibility of a national network of independent distributors, with the resources of global materials handling specialist Dematic.



Colby products are designed, engineered and manufactured by Dematic Pty Ltd.