

2026

FETTLEN

4 and 8 Ton Racking



Galvanised Finish



Shelving Store
Shelving & Storage Solutions

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FETTLEN 4 and 8 Ton Racking

Racking Solutions for Strength, Durability & Efficiency

Fettlen Light Duty Racking is the ideal solution for storing heavier items that standard shelving cannot support. Designed for warehouses, factories, and high-demand storage environments, our racking systems ensure strength, reliability, and long-term performance.

Manufactured in South Africa, they are built from robust steel and finished with either a powder-coated or galvanised finish to suit different conditions.

Features

- ✓ **Powder-Coated Finish** – A durable, smooth, and scratch-resistant coating that resists chipping and fading, providing a sleek look while protecting against rust and corrosion. Ideal for general storage areas and indoor applications.
- ✓ **Galvanised Steel Finish** – Offers exceptional resistance to rust and corrosion, making it perfect for fridges, freezers, and humid environments such as cold storage, food processing plants, or coastal warehouses. This finish ensures long-lasting structural integrity, even in the toughest conditions.

Precision Manufacturing & Customisation

At Fettlen, we craft each racking system with precision and care, ensuring it meets the highest quality standards. Our racking is fully customisable, allowing you to adjust the height, width, depth, number of tiers, and weight capacity to fit your specific needs.

Manufacturing takes 2–4 weeks, ensuring a high-quality product that is built to last.



Light Duty (4 Ton) Specifications

Bay Capacity	Supports up to 4000kg UDL (two frames)
Per Tier UDL	200kg – 1500kg UDL Per Tier - depending on beam type, span, and thickness.

Finish Options Powder-coated / Galvanised

Heavy Duty (8 Ton) Specifications

Bay Capacity	Supports up to 8000kg UDL (two frames)
Per Tier UDL	1800kg – 3950kg UDL Per Tier - depending on beam type, span, and thickness.

Finish Options Powder-coated / Galvanised

For expert guidance on the right racking solution for your needs, contact our sales & design team today.

We're here to help you maximise your storage space with durable, high-performance racking systems.

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Bay Types

Each row of racking has one Starter Bay and then any number of Add-On Bays, depending on the required row length.



Components



Racking: Main Components

- 1) Frames refer to the sides of the racking unit and are usually blue.
- 2) Beams are the steel beams between each frame. Each tier or level is made of 2 beams and are usually orange.
- 3) Decking refers to the material between the two beams.

Legend		
1 Racking End Frame	6 Galvanised Steel Decking	11 Floor Anchor
2 Foot	7 Gravity Pin	12 Frame / Corner Bumper
3 Powder Coated Decking	8 60mm Open Beam	13 Back-to-Back Frame Brace
4 Open Timber Decking	9 60mm Close Beam	
5 Closed Timber Decking	10 100mm Closed Beam	

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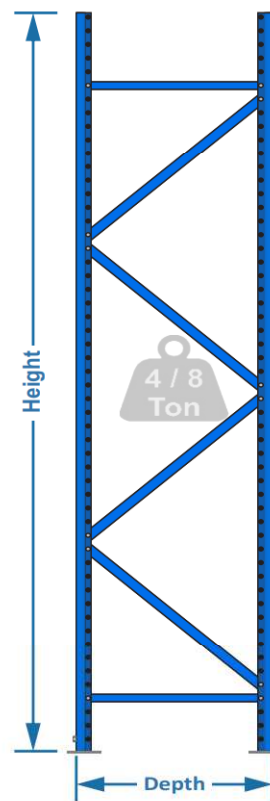


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Frame Specifications

	Frame Height	Frame Depths			
		600mm	750mm	900mm	1100mm
4	Galvanised or Blue Powder Coated				
	1800mm	•	•	•	X
	2100mm	•	•	•	X
	2400mm	•	•	•	X
	2700mm	•	•	•	X
	3000mm	•	•	•	X
	Blue Powder Coated				
	2128mm	•	•	•	•
	2432mm	•	•	•	•
	2736mm	•	•	•	•
8	3040mm	•	•	•	•
	3648mm	•	•	•	•
	3952mm	•	•	•	•
	4560mm	•	•	•	•
	5168mm	•	•	•	•



Beam Specifications

UDL Weights are Per Beam Pair (2 Beams)

	Beam Length	60mm Open Beam	60mm Closed Beam	100mm Open Beam	100mm Closed Beam
		Galvanised	Powder Coated	Galvanised	Powder Coated
4	1000mm	-	-	-	1350Kg
	1200mm	600Kg	600Kg	-	1100Kg
	1500mm	400Kg	400Kg	-	950Kg
	1800mm	350Kg	350Kg	700Kg	700Kg
	2100mm	200Kg	200Kg	600Kg	600Kg
	2400mm	-	-	400Kg	400Kg
	2700mm	-	-	250Kg	250Kg
	3000mm	-	-	-	500Kg
	Beam Length	100mm Box Beam	114mm Box Beam	127mm Box Beam	140mm Box Beam
		100mm	114mm	127mm	140mm
8	Powder Coated				
	1800mm	3350Kg	4635Kg	4575Kg	4540Kg
	2100mm	2935Kg	3800Kg	4400Kg	4690Kg
	2400mm	2705Kg	3170Kg	3615Kg	4230Kg
	2700mm	2280Kg	2795Kg	3190Kg	3610Kg
	3000mm	2050Kg	2605Kg	2985Kg	3215Kg

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Decking

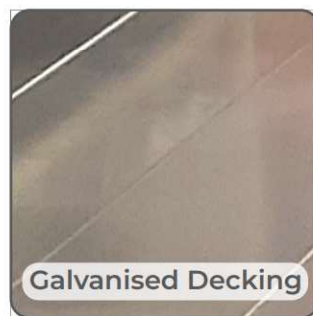
We offer a range of decking solutions to cater to your storage and environmental needs, including:

- Closed Timber Decking
- Open Timber Decking
- Shutter Board Decking (400 to 600mm)
- Galvanized Steel Decking
- Powder Coated Steel Decking
- Galvanized Wire Mesh Decking

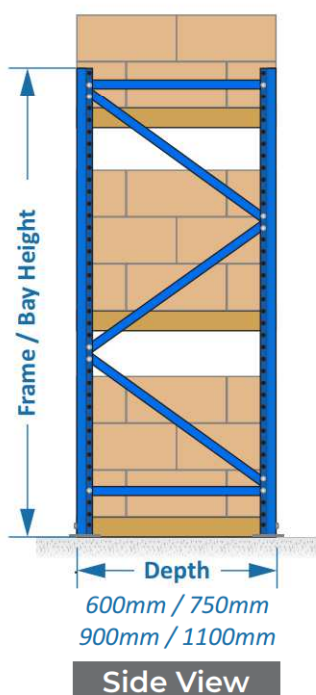
Additionally, our racking systems are designed to efficiently accommodate various types of pallets, ensuring safe and organized storage.

Our decking options are designed to meet various size, weight, and accessibility requirements, including use in walk-in fridges and freezers.

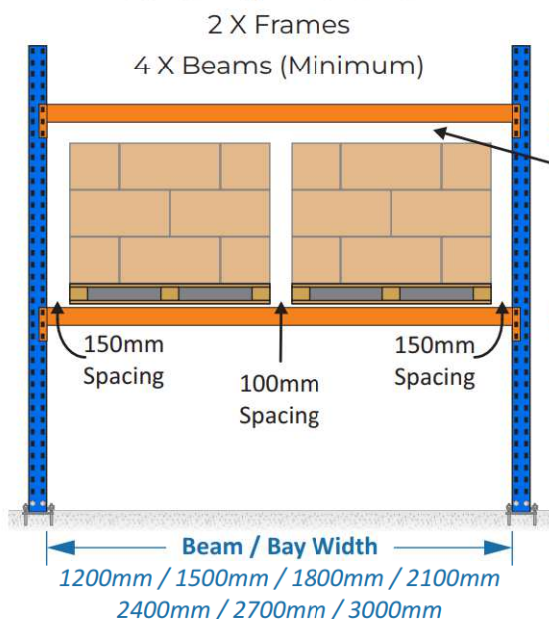
For more information, please contact our sales team. We are here to help you find the perfect racking solution for your needs.



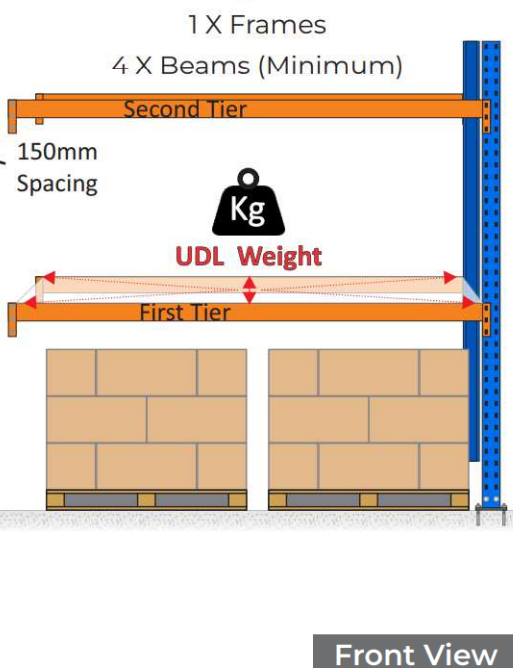
Loading - UDL (Uniform Distributed Load)



Starter Bay - Front View



Add-On Bay - Front View

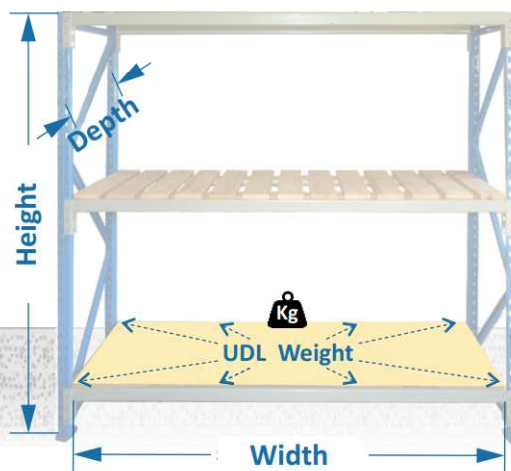


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Safety & Sizing

Height:

How will your products be retrieved?
Do I need a Safety Ladder?
Ceiling / Roof Height?

Depth:

How deep are my products?

Width:

How many products can I fit on a tier?
How much space is available?

Weight:

How much do the products weigh?

UDL (Uniform Distributed Load)

refers to the amount of **EVENLY DISTRIBUTED** weight.

For Example:

Step 1: Beam UDL

To calculate your beam UDL, calculate the maximum weight of your products that will be stored on 1 Tier.



Products Per Tier | 300Kg
Add 10% | 30Kg
Total = 330Kg

Step 2: Frame UDL

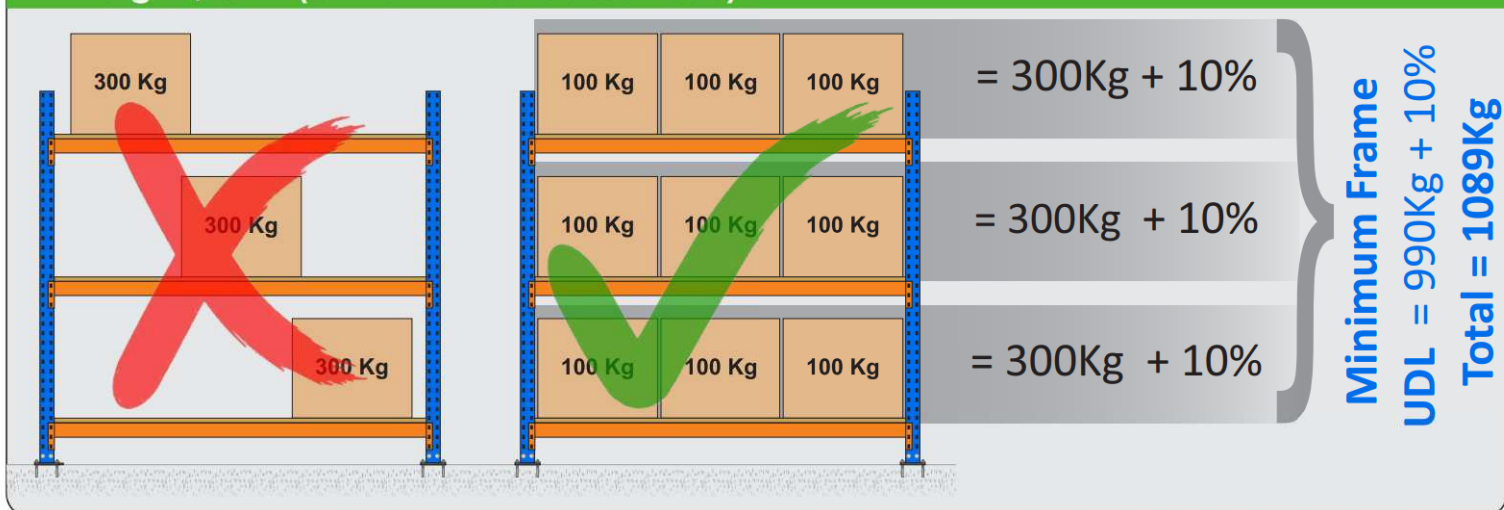
Now multiply the total weight from Step 1 by the number of Tiers you want in each Bay.



Product Per Tier | 330Kg
3 Tiers | X 3
Sub Total = 990Kg
Add 10% | 99Kg
Total = 1089Kg

Weight / UDL (Uniform Distributed Load)

Beam UDL



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