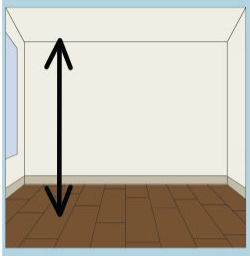
Pallet Racking Heights Tips



BUILDING CONSTRAINTS

Measure floor-to-ceiling height (allow at least 300mm clearance below roof beams or sprinklers)

Check for obstructions - lights, ducts, heaters, sprinkler heads, etc.

Confirm fire safety zones and sprinkler coverage comply if pallet racking extends near the ceiling

EQUIPMENT & HANDLING

Verify maximum lift height of your forklifts or reach trucks

Ensure truck mast height fits within your building (mast + pallet height)

If automation is used (AS/RS cranes, shuttles), consult manufacturer limits (some go up to 40 m).

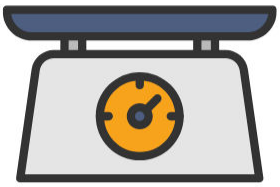


REGULATORY COMPLIANCE

Follow SEMA Code of Practice for layout, load data and inspection

Maintain regular HSE-compliant racking inspections (annual by a SEMA-approved inspector).

STRUCTURAL & FLOOR SAFETY



Get a floor load capacity test - tall pallet racking transfers heavy point loads

Confirm all pallet racking is anchored and has proper base plates

Ensure pallet racking design meets SEMA or BS EN 15512
standards

Keep height-to-depth ratio within manufacturer recommendations (commonly ≤ 6:1).

OPERTAIONAL & SAFETY CHECKS

Provide adequate alsle width for forklift manoeuvring

Maintain clear vertical clearances (at least 75-100 mm above pallet loads)

Consider safety barriers, rack protection, and anti-collapse mesh for taller systems.



Pro Tip: "The safest and mot cost-effective pallet racking height is just below your equipment's maximum reach, allowing for safe clearance and easy inspection."

For any pallet racking advise or information on how to make the most of your warehouse, contact us on 0800 612 3210. Our friendly sales team are happy to help you make the most of your space!