

RACK SAFETY



TOP 10 RACK SAFETY TIPS



1. **Understand** local, building and fire protection regulations before selecting a system.
2. **Ensure** Rack is installed as shown in engineering drawings.
3. **Maintain** End-of-aisle capacity placards for all rack configurations.
4. **Train** your employees in rack safety, particularly forklift drivers.
5. **Don't** exceed listed rack capacity.
6. **Repair** or replace damaged racks under the supervision of a qualified engineer immediately.
7. **Install** protective guarding devices where appropriate.
8. **Don't** reconfigure racks without the review and approval of a qualified engineer.
9. **Conduct** rack inspections, supervised by a qualified engineer, on a regular basis.
10. **Do not** mix and match rack from different vendors.

COMMON CAUSES OF PALLET RACK FAILURE

Damage from forklifts

Overloaded racks

Poor installation

Improper repairs

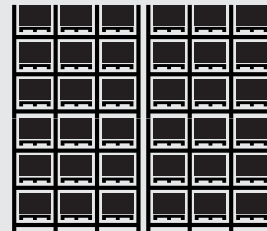
Alterations to rack configuration without engineering approval

Mix and match of incompatible components

Unrepaired components repeatedly damaged

USAGE AND TYPES OF RACKS

- Selective Pallet Rack
- Drive-In & Drive-Through Racks
- Cantilever Racks
- Push Back Racks
- Pallet Flow Racks
- Carton Flow Racks
- Pick Modules
- Automated Storage & Retrieval Systems (AS/RS)



**HIGH DENSITY
PALLET STORAGE**



**FULL PALLET
STORAGE**



ORDER PICKING

INDUSTRIAL STORAGE RACK CODES & STANDARDS

- International Building Code (IBC – 2015)
- ASCE7 - 16
- RMI/ANSI MH16.1-2012 Pallet Rack
- RMI/ANSI MH16.3-2016 Cantilever Rack
- RMI/MH26.2-2007 Wire Mesh Decking
- AISI
- AISC
- AWS
- ACI 318
- NFPA 5000
- NFPA 13 FEMA 460
- NEHRP Recommended Provisions (Seismic)

