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Comprehensive Life Cycle Services™ helps power the productivity of distribution & manufacturing operations—whether new or established

Where are you now? Where can you be in five years? How best to anticipate your needs?

Material handling is about productivity. It's used in the movement, storage and control of materials, product, and inventory throughout manufacturing and distribution. Our suite of Life Cycle Services™ helps you identify where you are, where you're headed, and how to most efficiently make the journey.



What is the Life Cycle?

Every business runs in a life cycle, from conception to completion to operational. We have designed services to match you, no matter where you are in that cycle—to have answers for you no matter what needs you are currently experiencing. Are you planning a new facility? Does your current operation underperform? Is there new business, or a large change in your market that requires rapid transformation of your facility? Details on life cycle services are found in the following pages.

The Cisco-Eagle suite of Life Cycle Services includes:

Consulting, process definition and design

A unique blend of consulting and implementation makes the difference.

Application engineering, controls and design services

Cisco-Eagle's industry-leading Systems & Design team has vast experience across many industries. We design systems and equipment that drive efficiency up and costs down for our customers.

Equipment and service sales (See products in this catalog and online)

Our sales force are highly-trained, problem-solving material handling experts, backed by decades of experience. They help clients get it right the first time, every time.

Implementation engineering, controls, and integration

Our project management and installation services ensure that your system is correctly implemented, installed, tested, and commissioned.

Service and maintenance

Material handling equipment should perform at peak levels, and we help it do exactly that. Utilize our expert technicians to reduce downtime, increase reliability, and save money on service issues for conveyors, lifts and much more.



Every time you touch an item, it costs. When you search for something, it costs. If you're late, wrong, or inaccurate, you pay

Let us help you eliminate costs with material handling systems that increase efficiency and reduce errors



Material handling systems give you more control, save you money, and contribute directly to your bottom line

Everyone wants more control. The more control you have, the better you perform. Material handling systems give you control.

Distribution, manufacturing, and warehousing are inherently chaotic processes. To do these things well, you need control of processes, of equipment, of personnel, of space, of time. When do things get done? How many people does it take to do them?

Do your handling systems increase control—or hinder it?

Material handling systems power today's efficient distribution and manufacturing facilities; they are the secret weapon of profitable companies. You have to minimize operational expenses, maximize productivity, enhance customer service, and speed throughput.

If you suffer from inaccurate order picking or stocking, your business is threatened. A small margin of error costs a bundle. If that's happening, you've lost control. We can help you regain it.

Profit that doesn't filter through cost centers

A company with 5% bottom-line margins that grosses \$100 million a year nets \$5 million. When that company saves \$200,000 by becoming more efficient, it's the same as adding sales of \$4 million—the benefit is easy to see. By gaining control of your storage and handling operations, you can create more profitable operations.

Savings that fall directly to your bottom line

If your business relies heavily on manufacturing, warehousing, storage or distribution, the potential savings are perhaps your greatest opportunity to increase profitability.

If your operations suffer from damaged products, slow pick rates, a lack of space, disorganization, or bottlenecks, don't think throwing more people at it will solve the problem—that's short-term at best, and you'll be stuck with ongoing costs that never decrease and that you can't control.





Cisco-Eagle's installers, project managers, site coordinators and engineers produce detailed plans and well-oiled execution. They keep the lines of communications wide open so you're never in the dark. They transform ideas into reality. Project managers provide clear communications, accurate information, effective scheduling, and synchronization of all the varied elements that comprise your system.

We provide the comprehensive turnkey solutions you need to move ahead. These projects can be complex and difficult to implement, but they don't have to be. You have only one entity responsible for the project and all its myriad details: us.

Tangible Results

What customers are saying...

"We're able to measure the productivity of our warehouse, which we'd never been able to do before. It helps us plan labor better. We can get our staff in the right place at the right time in the right numbers. We can plan a day's work better than we've ever been able to."

— JA Majors Vice President of Distribution

"We've been able to ship 440 totes in an hour, with no increase in the number of people in shipping. We were doing 1,750 shipments in January. This month (September), we've done 2,250 so far, at the same staff level and the same amount of hours worked."

— Mouser Electronics Operations Director

"We're handling volumes 60% higher than we did last year without a significant increase in personnel. Even though we're doing more, it feels less intense because of the way the new system flows."

— The Container Store Distribution Director



"At the old facility, we did 900 shipments a day. Now, we're doing 1,500 a day."

— Aviall Senior Manager

"We designed everything into these systems that a customer would want from us. Capacity has doubled what we were able to do before and now it is organized. Every box has its own address."

— Cargill General Manager

"It is a real wow for us to bring our suppliers in here. We have a nice look to our facility, and the new systems give us such a natural flow. And the conveyor is super reliable."

— Mouser Inc. Director of Operations

• **FOR MORE:** Visit www.cisco-eagle.com/casestudies

How can you effectively manage your project?

Cisco-Eagle helps customers design, justify, and install effective, efficient material handling systems that give you control. The productivity gains can be astonishing.

We offer multiple ways to improve your operations. From consulting and process analysis services to systems design, controls and implementation engineering, to installation to maintenance, we're involved at every twist and turn to ensure your operations reach their maximum potential.

A servant's heart, an analytical mind. The right people are what makes it happen. You can access a Systems & Design staff that is highly trained, vastly experienced, and driven to help you succeed. You'll find a responsive, problem-solving mindset that can take you to the next level.

Blending equipment, technology and the way work flows in your facility is the heart of our mission.

Making it Real: From Paper and Screen to Concrete and Steel

Understanding isn't enough. Superb design isn't enough. Handling complex details isn't enough. Implementation is what makes and breaks projects.



Cisco-Eagle systems integration capabilities at a glance

There is profit to be made increasing efficiency inside your operation, and we can help you get it

Cisco-Eagle has cultivated one of the most advanced Material Handling Systems Integration groups in the nation. We offer a combination of personnel, processes and training that help our customers get the results they need. With clients across the United States and Internationally, the experience in a vast array of industries helps us deliver true value to our systems clients

Point by point:

- Total System Solution
- Sub-System Integration
- Project Management
- Attention to Detail
- Single Point of Responsibility
- Technology: Fully automated computer systems and wide-area networks, with software packages including project software, AutoCAD, 3D Studio Max, and more
- Specialists in consulting, controls, integration, project management, installation, testing and commissioning

Systems Processes

Consulting Services

- Operations Assessment
- Strategic Planning
- Capacity Analysis
- Process Reengineering
- Facility Design

Systems Engineering

- Detailed System Design
- Sub-System Design & Integration
- Vendor Selection
- System Pricing
- Implementation Plan

Implementation Services

- System Installation
- Software & Controls
- Acceptance Testing
- Management & User Training
- Project Management
- Facility Transition Planning
- Product Slotting
- Start-up Support

Post Implementation

- Maintenance Program
- System Upgrades



Cisco-Eagle Controls Technology Group makes your system more efficient

Precise control of your material handling systems

You're expected to implement improvements in less time and lower cost than ever. Implementations that used to take months now take weeks—or less. The result is faster return on investment.

We integrate material handling systems, automation system technologies, and OEM equipment to meet client needs—everything from small conveyor systems to highly automated storage & retrieval systems. We help customers gain complete control of, and visibility into material handling systems. Reliable, modular control options are available off-the-shelf that require minimal configuration. In the future, most systems will be controlled in this way—but you can enjoy these advantages today.

Pre-engineered and custom advanced technology control systems save time and money, increase efficiency

- Hardware cost reduction
- Design time and design cost reductions
- Faster installation time, and implementation costs
- Troubleshooting is dramatically reduced
- Multiple network configurations
- Manage your process information in real time
- Enhanced diagnostic capabilities
- Excellent flexibility for expansion or changing requirements

Turnkey Controls Experience: Our Controls Technology Group provides a complete range of services required for your material handling controls projects. Successful material handling system implementations require integrating a wide variety of technologies that work in harmony to achieve high productivity levels.

Open Architecture: We utilize open, non-proprietary programs and components. This provides our customers with reliable standards which minimizes the initial investment, maximizes uptime, and allows the flexibility for upgrades and support.



Non-Proprietary Equipment: We help you take advantage of reliable, cost-effective, commercially available components and programming architectures.

Remote Diagnostics: Remotely monitor your key system performance parameters to ensure operational excellence. Our systems support remote connections via dial up modems or internet connections, and can operate within your network security environment.

PC/PLC Based Systems: Utilize PC and PLC based control systems as needed. Our system architecture use of standard logic result in highly reliable solutions, quick implementations, and within budget.

WMS and ERP Integration: Systems are interfaced within a wide variety of WMS and ERP systems across many industries. Standard interface protocols efficiently pass data between our controls environment and the host system.

Design Flexibility, Scalability: Modular design components and architectures make expansions & reconfigurations quick and easy.

Human Machine Interface (HMI): Real time, easy-to-use, graphical interfaces between material handling equipment and control systems that allow operators to easily monitor the system's operation. HMI can offer a visual map of the facility, including all operations, in order to track, diagnose, and deal with problems either before they arise or at the point of malfunction.

Support

We offer multiple levels of system support, including Modem/VPN access, Web-Based Video Monitoring, Cellular/PDA Alerts, Scheduled and Preventative Maintenance, Support

Contracts/Services, Spare Parts, Modifications, Upgrades, Consulting, and System training, documentation, programs and system-specific manuals.

Broad Industry Experience

We have experience across a wide array of industries and applications. Noteworthy applications include conveyor systems, high speed sortation, packaging equipment, automated storage and retrieval, carousels, weighing/cubing systems, manifesting systems, printing & labeling systems, RFID integration, RF systems, palletizers, robotics, and AGVs.

Get started

Contact us today for more information on controls technology, or visit www.cisco-eagle.com/controls

Does it make sense for small to mid-sized operations to implement a warehouse management system?

It's all about collaboration, coordination and gaining control

Achieving Synchronized Supply Chain Logistics

The rules of business have changed dramatically, increasing the speed and complexity of almost every business transaction and its supporting processes. Synchronized logistics takes this new level of complexity and executes based upon a real-time understanding of conditions, constraints and priorities across the entire network.

Next-generation business applications will allow users to achieve collaborative and coordinated execution over their order fulfillment and delivery processes—and achieve extraordinary business results.

Collaboration

Collaboration is the comprehensive linkage of supply chain logistics' order fulfillment stakeholders systems and personnel. Being integrated is not the same as collaboration. In order to sync up your enterprise with that of your trading partners, a true publish and subscribe messaging architecture that is based upon open standards must be supported.

Coordination

Coordination is achieved by providing comprehensive visibility over the entire logistics network, while controlling the order fulfillment execution based upon visibility into real-time conditions and constraints. A fine-tuned logistics network relies on timing and the coordination of multiple processes into a singular synchronized effort.

Control

Control must be event driven to take advantage of the new collaboration and coordination technologies. Logistics execution must be based upon a continuous closed loop process of plan, execute, monitor and adjust, thereby supporting the multiple exceptions caused by today's dynamic trading rules, relationships and unplanned events.

Conventional wisdom says that WMS is too expensive; return-on-investment takes too long for smaller and medium sized companies; it's too complex; too expensive; too difficult. If you listen to

the conventional wisdom, you might believe that the technological edge WMS offers is strictly for huge companies. There's just one thing: conventional wisdom isn't always right. In recent years, the technology, like many other technologies, has improved and become more affordable. It scales to small and medium sized companies much easier than it ever has before.

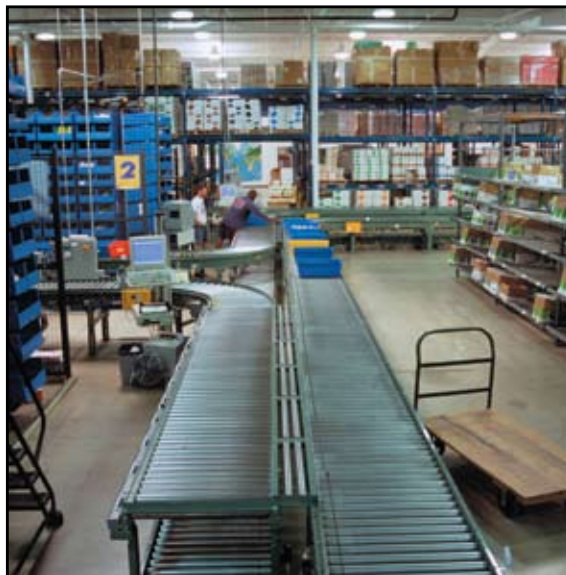
Fortune 500 companies and smaller operations have the same WMS objectives: inventory control, cycle time reduction, order accuracy, labor productivity, and real time information on performance.

Is a warehouse management system a viable option for you? Make the call based on the facts. In WMS, your options include Locator Systems, Transaction Processors, Inventory Control Systems, Warehouse Management Systems, and ERP Systems. Your first hurdle in determining if WMS is right for your company is one of economics: you have to consider your ROI, the competitive advantages a system might give you, its contributions to your long term profitability, pressures from within your industry, and customer compliance.

For small and medium sized companies, answers to these questions are not as difficult to answer as you might think. We're here to support your long-term supply chain efforts.

Getting started is easy

We can help you understand, qualify, and specify automation applications and solutions. For more information, contact us today.



Automated carousel systems for high-speed, space saving productivity

Vertical Carousels consist of rotating shelves that move up or down on response to your commands, delivering items to you at an ergonomically safe and convenient access window

Vertical carousels are proven in high-productivity applications designed to reduce costs, labor space, and time consumption in a wide range of industries. Compared to shelves, drawers and other conventional storage methods, Vertical Carousels offer significant gains in efficiency, control of inventory, and floor space economy. Vertical carousels concentrate a great deal of storage into a relatively small amount of space.

Vertical carousel features

- Productivity: Higher throughput with lower error rates, search, and travel times
- Time Savings: Dramatically increased storage and retrieval efficiency saves labor and gives you more picks per hour
- Space Savings: Small footprint recovers floor space for profitable uses and maximizes use of available overhead space
- Return-On-Investment: Superior inventory management software combines with productivity savings for quick system payback
- Security: Reduced shrinkage through limited access to items; security carriers, access codes, and software password protection all help you keep things secure
- Used to store dies, tools, fixtures, raw materials, work in process, maintenance parts, assembly components and more
- Applications include tool & stockrooms, parts distribution, die storage, buffer storage, point-of-use workstations, inventory consolidation, order picking, automated tool & component dispensing, automated tool cabinet



Horizontal carousels are cost effective, high-density storage & retrieval systems for manufacturing, warehousing, service, and distribution applications



Horizontal carousels increase productivity by delivering product to pickers instead of pickers walking to product. They are outstanding solutions for broken case (piece) picking, highly selective case picking, buffer storage, distribution, kitting, and progressive assembly.

Carousels increase throughput up to 600%. Items are rapidly delivered to operators. Horizontal carousels significantly reduce cubic storage space requirements 40% to 60%, freeing up your valuable floor space and making the best possible utilization of the cube. They also improve accuracy, up to 99.99%. Pick-to-light systems indicate what and how many items to pick.

Carousels help you reduce labor requirements, extend order cut-off times, and reduce your needed inventory by providing better management. They

also help prevent inventory shrinkage by increasing operator accountability and helping to enhance supervision, since pickers work in visible work areas. They're reliable, too, with a history of nearly 100% uptime. Rugged construction, expert application assistance, and precise design ensure that they need little maintenance.

Horizontal carousel applications

- Tool & stockrooms, Parts distribution, Die storage, Cutter grind, Buffer storage, WIP (work in process), Point-of-use workstations, Mixed layer pallet building, Consolidating multiple areas, Automating existing tool cabinets, Spare parts picking, Order picking to manufacturing floor

Switch operated vertical carousels provide high-density storage, security, and picking productivity without the high costs of automation

Delivers the product to the picker - that's the core value of a carousel - at as little as 1/5 the cost

A manually operated carousel offers identical benefits to automated carousels in terms of space savings, product security, and organization, at a greatly reduced cost. Just a simple push button control allows the order picker to access the correct carousel tray. This helps to dramatically cut costs by eliminating automation software and WMS tie-in's. These carousels are CSA & UL listed, and come in a variety of heights and widths. With the motorized chain-driven system, parts come to the order pickers, saving walk time and reducing fatigue. Carousels are CSA and UL listed. These carousels are often used in retail operations, but are perfectly suited for manufacturing, distribution, and commercial operations that want the advantages of carousels, but don't need fully automated systems, software, and controls.

The Pushbutton Control: Brilliantly Simple

A brilliantly simple push button control allows the order picker to access the correct carousel tray when it's needed. This helps to dramatically cut costs by eliminating automation software and WMS tie-in's.

Tray Carousel Systems

The rotating tray configuration of conventional vertical carousels provides easy access to a wide variety of stored products. Most anything that could be picked from an automated carousel can be picked from a manually controlled tray system. Helps eliminate forklifts and ladders from picking operations – instead of space-eating rack systems and dangerous pick systems, implement a carousel that allows you to recoup space, pick orders faster, and control inventory better.



Tray carousel

Wire & Spool Systems

Organize your wire, cable and other spooled products with Wire & Spool Vertical Carousels. It brings the roll to operators with a motorized carousel, rather than operators walking. The innovative switch-controlled carousel rotates easily and smoothly, without the need for expensive software automation or WMS tie-in's. Perfect for accessing rolls of wire, cable, etc. in assembly or repair operations. Measure and cut right from the machine for faster, safer operations.



Roll Handling Carousel

Tire Handling Carousels

Tire Handling Vertical Carousels slot many tires into the vertical cube, instantly reclaiming floor space. Tires are easily located - no more hunting for tires in a vast pile. Just rotate the carousel to the storage level needed and pick tires. Tight, vertical storage recoups floor space that can be used for profitable purposes. Also, since tires are organized into the carousel, error rates decline and it's more ergonomic for workers.



Wire dispensing carousel



Tire Handling Carousel

Roll Handling Carousels

Store and retrieve rolled goods and textiles for easy accessibility and integration with a cutting table, cutting machine or vinyl printer. Minimize individual roll handling and bring efficiency to your production area. Imagine the number of rolls that can be handled in the vertical cube vs. a series of roll dispensers on a facility floor.

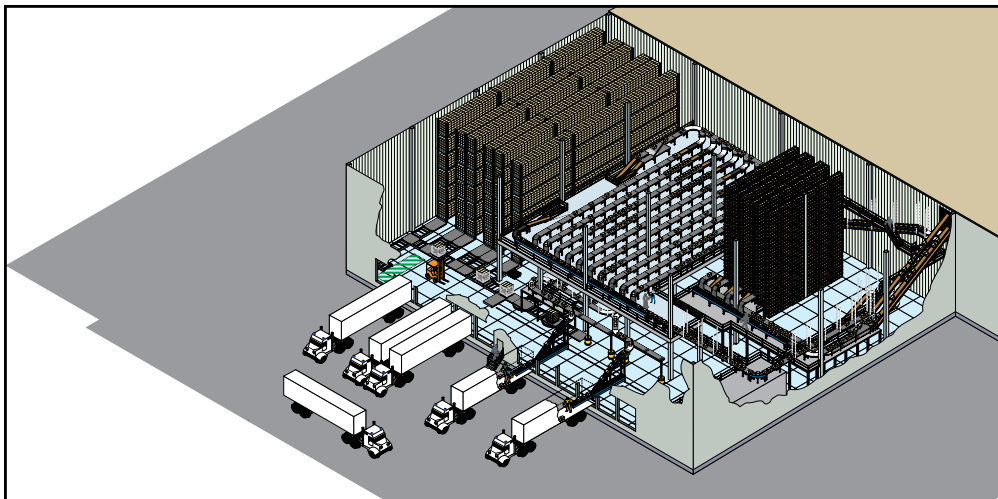
Cylinder Handling Carousels

Print Cylinder Vertical Carousels protect and organize valuable print cylinders while reducing space needs in any facility. Besides saving space and reducing errors, carousels also allow for more productivity. Workers can store and retrieve the right cylinder easily - and much faster than before. Stores shafts and cylinders of various kinds and sizes up to 12,000 pounds. Each system is equipped with heavy duty nylon slings and can be loaded by one person.



Cylinder Handling System

AS/RS systems transport, stage, retrieve, and report on every inventory item with up-to-the minute accuracy for exacting control and accuracy



Unit Load systems

Unit load is the material handling term for any configuration of materials that allow it to be moved by material handling equipment as a single unit. Typically, this means pallet loads, but can apply to containerized loads. Space savings vs. manual storage can also be significant. The footprint of the system vs. that of a comparable manual system can result in significant savings in floor space. Use of the vertical cube is also a factor.



Mini-Load Systems



A Mini load automatic storage & retrieval system handles loads that are typically contained in small containers or totes, with load weights typically falling in a range of 100 to 500 pounds. The capacity range can go to 750 to 1000 pounds on the high end. A mini load system can let you store more material in less space, especially material in totes. It can also handle these totes with much more velocity than conventional static, manual methods. Despite that speed, Mini load systems tend to run quieter than other methods.



ASRS Modernizations

AS/RS Modernizations are a cost-effective way to continue to use older Automated Systems, but to revitalize them and create new efficiencies without the cost of a new system. Whether it's poor reliability, low rates of capacity or throughput, an awkward distribution flow, or other problems, the concept of Modernization may hold the answer for you.

Technology upgrades make dollars and sense...especially when your existing system can be retrofitted to reach the desired reliability, flexibility, and productivity for a fraction of the cost of new AS/RS...or even an entirely new facility. The "live conversion" approach keeps inconvenience and downtime to a minimum.

Storage/Buffer/Sortation Modules

High-performance, cost-effective order fulfillment and sortation. The module is a compact AS/RS warehouse which provides high-performance, cost-effective order fulfillment and sortation capabilities. It accommodates a wide variety of standard load handling devices for cases, cartons and totes, and provides solid reliability in ambient, refrigerated and freezer environments.

Islands of Automation allow you to automate exactly as needed

Integrate automation into your process, easily, seamlessly with this solutions-based approach

Cisco-Eagle offers an exclusive Islands of Automation™ Solutions Suite. These technological "islands" pack functionality into a specific area to solve a specific task. Since they are modular systems, you can select those that apply to your specific processes. More importantly, we can help you tie them seamlessly to the appropriate areas of your operation.

Automation modules include a variety of applications, such as:

- Bar code data collection workstations
- Print & apply scanning station
- Storage/buffer/sortation module
- Automated case & carton opener
- In-Motion product verification station
- In-motion weighing and dimensioning system
- Palletizing station
- Automatic manifesting system
- RFID compliance station
- Many more available

Contact us for more information on Cisco-Eagle Islands of Automation.

Visit www.cisco-eagle.com/islands for more details.

Use multi-level pick modules for order picking speed, accuracy, and efficiency

Pick module systems save space, time and labor costs while increasing throughput and order accuracy

Pick modules typically have multiple levels and enforce first-in, first-out rotation of pallets or cartons. These systems utilize gravity flow to bring product from the stocking aisle to the picking aisle. The advantage is increased split or full case picking productivity.

This is done by bringing product to pickers rather than having pickers chase product—spending time walking, searching, or moving. In a typical 8' wide rack bay footprint, you can fit 4 or more picking shelves, and as many as 8 lanes of flow storage per shelf. Plug that into a series of similar modules along a conveyor line, and you have high-density storage that allows fast, accurate order picking in a compact vertical footprint that can range from a single floor level to multiple, elevated levels for high-density order picking and fulfillment. Order pickers will spend most of their time picking orders, not walking.

Multi-level pick module configurations can include:

- **Case & carton flow racks:** gravity-fed, first-in/first-out roller system that allows pickers to move one case. Used for each-picks or carton picks
- **Pallet flow rack:** First-in/first-out, gravity system allows pickers to pick from a full pallet. Behind it, another full pallet will be fed in for replenishment
- **Reserve rack:** Typically static or pushback racking that provides bulk and reserve storage to feed the order picking operation with new material
- **Pallet return lanes:** Allow empty pallet removal for easy pick up in lift truck aisles
- **Conveyor & sortation:** Conveyor is used as a means to transport orders down the line. It is also used to move debris, bins, packing materials and other non-product items from picking areas

Pick modules provide optimum flow efficiency

You can move palletized loads by gravity before they're broken into cartons and pieces, then sent to pick areas and shipped. Integrated conveyor and sortation systems direct the flow of product through order fulfillment.

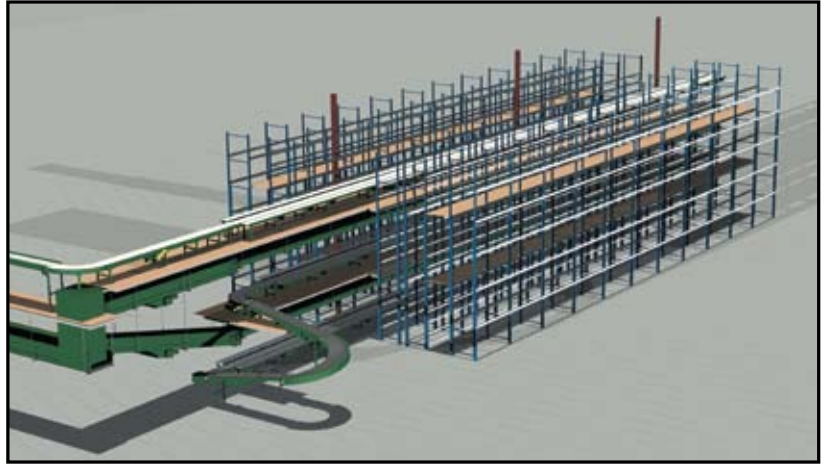
You can enforce inventory rotation through first-in, first-out picking. Replenish them from the load side and your pickers are always presented product in the order you want it picked.

You can save space. Serious space. In a pallet picking operation, you'll save about 35% in a typical 6-deep application. If you're picking from cartons or totes, the savings are even greater, compared to shelving. Saving space can delay moving to larger facilities or wholesale redesign while it opens up floor space to other uses.

You can reduce labor expenses. It's pretty easy to see that when you concentrate storage and picking operations, you eliminate non-productive "walk" time. Order pickers are picking—not walking—for more hours every day. This allows you to greatly reduce the amount of time pickers spend searching and walking. Replenishment is easier than ever. Because you're concentrating picking operations, you can focus inventory, whether it's pallets or cartons, right into the system.

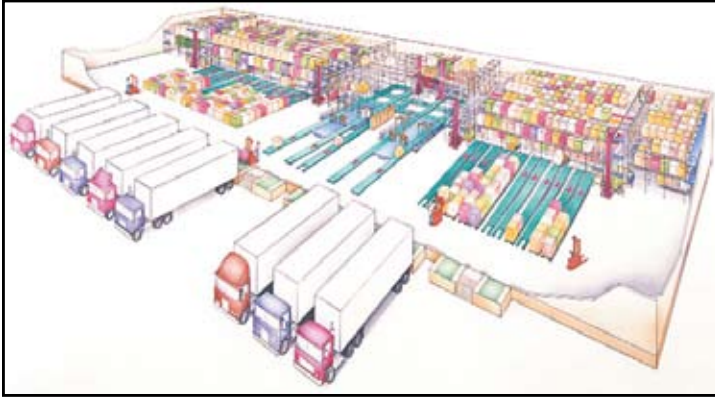
Getting started is easy

- We can help you understand, qualify, and specify pick module and order fulfillment solutions. For more information, contact us today.



Is a cross docking system workable for you? Where do you get started?

Cross-docking is a practice in logistics of unloading incoming shipments, then loading these materials in outbound trailers with little or no storage in between



In its purest form cross-docking is done with minimal or no warehousing. But many “cross-docking” operations require large staging areas where materials are sorted, consolidated, and stored until the outbound shipment is ready to go. If the staging takes hours or a day the operation is usually referred to as a “cross-dock” distribution center. If it takes longer, the operation is usually considered a warehouse.

In a conventional warehouse, goods are received from vendors and stored in devices like pallet racks or shelving. When a customer requests an item, workers pick it from the shelves and send it to the destination. In a crossdock, goods arriving from the vendor already have a customer assigned, so workers need only

move the shipment from the inbound trailer to an outbound trailer bound for the appropriate destination. The already part should make you think of information system requirements--a chief obstacle to implementing crossdocking successfully. Those who get this right are using tools to better manage information, and to better collaborate with supplier chain partners. It is not necessary to be large in size to take advantage of a cross dock model. Today's solutions are both modular and scalable.

Look downstream by considering the order profiles of your key customers

Do you have customers who tend to order the same products in significant volumes throughout the year, or possibly seasonally? In effect, supply and demand are somewhat predictable, allowing you to match each with the other. Begin with these products as candidates. Some products will be filtered out of this mix. For instance, those that require excessive handling in order to move, or products of an unusual shape, size, or excessive weight. FIFO, or date-sensitive products make poor candidates. Cross docking applications vary. In one door and directly out the other is one approach. Many cross-dockers also add value in the brief interval between receiving and shipping. Others send product to a temporary buffer in the interval, in many of these cases an automated system (mini-load, AS/RS, etc.) serves as the buffer.

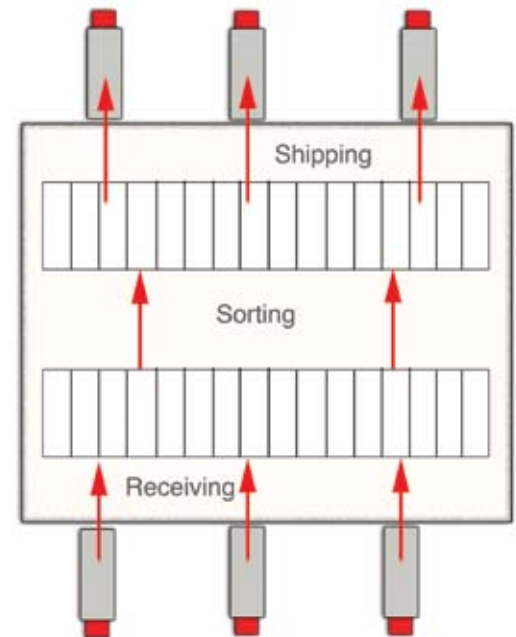
What are the gotchas, why we might succeed or fail?

- Facility layout is poor
- Internal information systems are not integrated
- Little or no integration and collaboration within your supply chain
- Compliance by all supply chain partners
- Selected the wrong products
- Reliable suppliers (accurate, on time deliveries)
- Sufficient volume of activity
- Understanding peak workload variations

What might we potentially expect from a successful implementation?

- Reduction in capital investment in facilities and equipment (less space required)
- Reduction in inventory
- Reduction in personnel requirements
- Reduction in order cycle time
- Reduction in product damage (reduced touches)
- Reduction in freight costs

When you engage in a supply chain enhancement such as cross docking, the players both upstream and downstream of you play key roles. In fact, they will define your success or failure. With planning, a committed team of upstream and downstream participants, and possibly even a pilot program, cross docking can pay significant benefits.



Let us help with your cross docking system

- Contact Cisco-Eagle today for more information.

Material handling for manufacturing & heavy industry

Reliable, safe, productive storage & handling solutions for manufacturing, energy, chemical, fabrication, metal-working and processing industries

The storage, conveyance and handling systems used in industrial operations can significantly reduce costs, increase productivity, and create a safer, more ergonomic production environment.

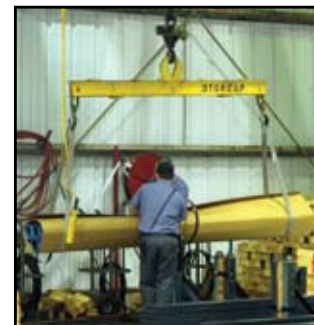
Some manufacturers consider material handling a secondary concern, but the systems that move and handle material as it enters, passes through, and leaves manufacturing processes can be the key to productivity.

Conveyor for heavy industry

- **Heavy Duty Conveyor Systems for Drums, Motors, & Bulky Components:** Conveyors that handle very large, heavy or bulky loads are a Cisco-Eagle specialty.
- **Conveyor/Machine Integration:** We can integrate conveyor to interface with almost any type of machinery ranging from cutters to robotics.
- **Pipe & Tube Conveyor Systems:** Accommodate a broad variety of pipe diameters (and lengths) on the same line utilizing trough roller designs. Frequently interface with cutters, saws, cranes, or other equipment.

More industrial handling equipment

- **Pipe & Bar Stock Storage:** Racks for the extreme loads - high capacity racking systems.
- **Overhead & Jib Crane Systems:** Cranes, manipulators and effectors to optimize any application where heavy components must be handled. (page 108)
- **Automation & Robotics:** From original specification to the delivery and setup of a custom configuration, we can assist you in implementing an automated system.
- **Vertical Lifts/VRC's:** We have installed VRC's in ranging from submarine manufacturing/maintenance bays to chemical production facilities, to paper & pulp facilities. (page 106)
- **Work Cell Design:** Simple reconfiguration utilizing the latest ergonomic handling systems can result in quality and speed gains.
- Heavy duty scissor lifts, HVLS fans, and more. For assistance, contact us today.



Eliminate downtime, reduce repairs, make equipment last longer and work better with Cisco-Eagle Field Operations

Service, maintenance, & installation for conveyors, lifts, balancers, dock levelers, carousels, automated systems, racks, & other material handling equipment

If you want to ensure top performance, maintenance is key. Many companies find it's more efficient to have specialists maintain hardware like conveyors, lifts, dock levelers, and other material handling equipment.

An ounce of prevention is worth a pound of cure

Cisco-Eagle's maintenance expertise helps you:

- Ensure equipment longer life
- Prevent downtime due to equipment failure
- Make your operation more reliable
- Get better equipment status information
- Utilize your personnel on other tasks while upgrading specialized equipment maintenance
- Prevent service calls by heading off problems
- Benchmark the improvements in your operations
- Simplify your maintenance operation
- Obtain the complete *Cisco-Eagle Maintenance Approach*, which starts with an in-depth maintenance audit. The audit assesses all your maintenance needs.



After the audit, you receive:

- Immediate repair needs assessment
- Schedule of maintenance activities

The stress of everyday operations can wear down a conveyor, a dock leveler, or a lift. A long-term, systematic maintenance process improves performance and reliability.

Let the experts handle it..

- We give you a full needs assessment: Cisco-Eagle provides a comprehensive, low-cost maintenance review so that all the issues are on the table to start with.
- We're versatile: We service, maintain or install material handling equipment from every major manufacturer in the world, whether we sold or designed it.
- We're comprehensively trained and constantly update our skills: Our technicians regularly attend training seminars and read manuals. They are well-versed and skilled.
- We acquire parts fast: We have lightning-quick access to parts and data about your conveyors. Our expertise, buying power, and relationships with manufacturers lets us supply parts before some could even find the part number.
- We are specialized: We focus on conveyors and other material handling equipment.
- We make sure you're in the loop - you'll always have complete information on needed maintenance and repairs.

24/7 SERVICE



Downtime is expensive, frustrating, and avoidable with proper care



Service Agreements: On call 24/7

Time and wear can cause problems that even the best maintenance program can't prevent. We are on call around the clock, and our expert technicians can generally respond within 24 hours.

Many companies utilize conveyor systems, but few understand how to properly maintain or service them. We're an excellent source for spare parts. Special projects such as the assembly and repair of racks or mezzanines is also available.

The fastest way to get replacement parts

Cisco-Eagle is the best source for replacement parts for your conveyors and other material handling equipment. We inventory the most commonly needed parts and ship within 24 hours. Our relationships and buying power with equipment vendors means we can get non-stock parts in faster, better, and more economically.

Installation Services

We install material handling equipment of all kinds. As a systems integrator, we have the ability to complete the largest and most complex installations. We work quickly and efficiently. We install material handling products and systems, including Conveyors and Conveyor Systems, Racking: pallet, cantilever, stacking and other racks, Shelving, Mezzanines, Modular buildings, Carousels, AS/RS Systems, Lockers, Barriers, and security gates.

Moving and reconfiguring

Are you moving? Reconfiguring? Getting your material handling systems moved and installed is a science and an art. Cisco-Eagle can assist you in making the smoothest transition possible.

We help companies remove equipment from old facilities and place it precisely and seamlessly into newer ones. Our capabilities to install and design are often called into duty for clients who move and need to transfer their existing material handling equipment and systems.



Reliable, high-performance conveyors and integrated systems

Conveyors are used to transport product between two or more locations. The variety of products a conveyor system transports ranges from bolts to pallets—everything for distribution and manufacturing systems.

A broad range of application experience

Cisco-Eagle systems convey boxes, packages, pallets, bags, and many other items found in today's distribution and manufacturing environments.

Flawless implementation

Our experienced conveyor system teams take you every step of the way, from concept to installation.



Partial conveyor systems customer listings

Aerospace Industries

- American Airlines:
- Boeing
- McDonnell-Douglas
- Aviall: Aerospace
- Rockwell International
- Falcon Jet

Automotive

- General Motors Corporation
- Lear Corporation
- AmTran Corporation

Chemical & Refining

- Sun Oil
- Dow Chemical
- Mobil Chemical

Electronics & Technology

- Fujitsu Network Communications
- General Electric
- Hitachi America, Ltd. SEG
- Technology Rentals & Services
- Texas Instruments
- TTI, Inc
- ATC Logistics
- Mouser Electronics

Foods, Meats & Beverage

- Frito-Lay
- Campbell's Soup
- Groceryworks.com
- Kraft Corporation
- Planters
- Young's Market Company
- M&M Mars
- Barrett-Hamilton/Glazer's

- Jarboe Sales
- Excel Beef
- IBP
- Seaboard Farms
- Tyson Foods, Inc.
- Washington Beef

Publishing

- JA Majors
- Fidelity Investments
- McGraw-Hill

Paper & Pulp

- Fort James Company
- Georgia-Pacific
- Kimberly-Clark
- Nekoosa Papers

Retail Distribution

- Oakley
- Gadzooks'
- Salon Support

- GroceryWorks
- QuikTrip
- JC Penney Co.
- The Container Store
- Wal-Mart Corporation

Telecommunications

- AT&T Wireless
- ATC Logistics
- Lucent Technologies
- MCI Worldcom
- Nextel
- Verizon

Others

- Tyco Healthcare
- Firestone
- Hilti, Inc
- Federal Express
- Hargrove
- Selma Oak Flooring

Mouser Electronics handles fast growth, amps up quality with enhanced material handling system

Mouser, a Texas-based electronics distributor, picks its most active items from carousels and feeds them onto a conveyor line that feeds the shipping area. Slower moving and bulky items are stored away from the conveyor lines, while the busiest items are situated in bins and shelving near the conveyor line.

Mouser uses material handling to sustain excellent customer service

Originally, the automated distribution center project allowed Mouser to increase its daily output from 1,750 to 2,250 orders per day. That has increased to more than 5,000 orders on a peak day as the company added customers and shipping stations.

Each order involves an average of 3.6 picks, thus over 18,000 total lines picked on peak days.

Benefits from the first day of operation

- **Reduced congestion**—Accumulation conveyors eliminated totes and carts from the facility, elevating conveyors off the ground and freeing floor space
- **Improved customer service**—Mouser was able to operate faster, more efficiently than before. Eliminating footsteps and fatigue helped reduce errors and increase shipping speed. Packers never have to leave their stations for supplies, helping make the shipping process faster and error-free
- **Scalability**—The system was built to grow, and has been expanded since its inception, with the sleek design allowing the company to expand both its shipping and receiving areas



Aviall flies high with upgraded distribution center conveyor system

Aviall's previous distribution center could not meet customer demands as the company grew. It lacked the space to store and handle an expanding line of products. This meant more manual handling, and more time to ship an order. In some areas, shipping personnel had to hand-sort everything. The situation impacted Aviall's ability to quickly receive product. Knowing that the challenges would multiply as it grew, Aviall moved to a larger facility and upgraded its material handling system.

More space, reduction of SKU putaway times with the ability to ship 600 more orders a day

Received items come into the facility and are placed either in bulk storage, (in pallet racks), or are placed onto the receiving stations to be moved to their respective putaway zones. Technicians place small items into totes, and add a coded tag. Totes are conveyed to the appropriate zone and then diverted on sortation conveyors to be placed into inventory. With more than 75,000 sku's, this reduces the time it takes for received items to make it into inventory.

- **More flexibility**—Aviall has more space on its conveyor line to process small package receipts. It also has four drop-off points in the bin area for different zones for putaway
- **More shipping lines**—The new system has added automation to Aviall's shipping process. Instead of a single line, the company now has four lanes into shipping
- **More shipping capacity**—Aviall went from being able to process 900 shipments a day to 1,500 a day
- **Faster**—Since the moving to the new central warehouse, Aviall has sped up the process of getting product into a tote, affixing a tote label, and getting it to the right packing and manifesting areas
- **A scalable solution**—The facility is scalable, for any future expansions Aviall wishes to undertake



Fujitsu Network Communications improves from 5 minutes per order to 25 orders in 5 minutes

Fujitsu Network Communications, Inc. is a leading designer and manufacturer of fiber-optic transmission products that deliver voice, data, and video services.

The new material handling system combines hardware and software to dramatically increase the efficiency of the manifesting and processing area. Product is pulled from static storage and fed into the carton flow rack system.

The system for shipping an order went from seven steps to just three: (1) The order is pulled; (2) The operator packs the order, and creates a "license plate." (3) The operator places the packed order onto the conveyor and proceeds to the next order. The order travels along the conveyors to be automatically weighed and assigned to one of three shipping lanes, depending on which carrier is being used. The system identifies the order so that it goes onto one of four expandable conveyor lines. There are three dynamically-assigned carrier lines and a fourth line dedicated to exceptions, special shipping instructions, and palletized shipments. The conveyors are capable of placing the packed boxes directly into a truck.



- **Reduced order handling time**—Fujitsu went from handling an order in 5 minutes to handling 25 orders in 5 minutes, and many in as little as 12 seconds. The improvement is on an order of 25 to one
- **Error rate reduction**—Errors declined as the new system came online
- **Automated reporting**—The system generates an automatic history that allows Fujitsu to create reports with pertinent information and costs. It eliminated repetitive manual tasks by sending information in real time. Over 90% of order data entry was eliminated
- **Reduction in "touches"**—After the order is picked, operators rarely have to touch it again



Excel Beef refurbishes order fulfillment system; plant frequently breaks shipping records

What makes a beef plant different from a chicken plant? Other than the obvious, material handling makes it different. It's hard to get a whole steer into a 22-inch long box. It's harder to handle all the mass of that steer inside an operation efficiently, process it quickly, and get it out to retailers and importers efficiently. At its Dodge City, KS facility, 40,000 boxes a day were produced, packaged, boxed, stored, committed to orders and released in quantities from a few boxes per line to a full truck load of one SKU or product.

The nature of the beef industry changed in the 1990's. Demands for orders and order quality escalated. The grocery industry would not accept the practice "lumping" of boxes onto the floor due to damage

and labor costs in receiving. As a result, GMA pallets entered into order requirements. The days of unloading a truck and tying up limited dock doors with valuable labor were disappearing. The need to increase capacity for the plant, along with managing a wider variety of box sizes really made the question of how to manage the entire material handling process a serious question for every beef plant, including the groundbreaking plant in Dodge City.

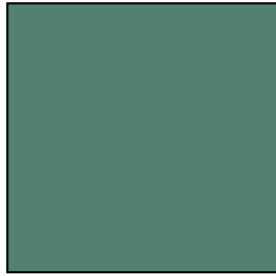
The final design, a truly integrated system, was delivered and is operating at new operational peaks. A system of Unit-load (pallet) and Mini-load (box) Swisslog hi-performance S/R machines and racking along with Swisslog pallet conveyors were installed. Hundreds of lineal feet of case conveyors and sortation systems were laid out to optimize cube and provide for future changes.

- **A consistent, smooth product flow** – In the new system, boxes flow in smoothly from the original building, both from the existing material handling storage system as well as the products that were just released from the processing floor. Some product migrates directly to the mini-load AS/RS box buffer while other product is being sorted and accumulated for making full pallets to go into the U/L AS/RS
- **Intelligent monitoring** – All product is monitored at specific decision points by bar code scanners
- **Reduced manual handling** – Boxes and pallets come and go in perfect harmony, stopping only at the system output points for final handling by the shipping staff

2,400 Ultra-reliable, economical Hytrol conveyor models ship within 24 hours



Fast conveyor shipments are a vital part of our business concept. Hytrol originated the 24-Hour conveyor shipment in 1964. This means that all standard Hytrol conveyor models (50 models in over 2400 sizes) are available for shipping within 24 hours, or Hytrol pays the freight. Many conveyors in this catalog are 24-hour shipment models, and will be marked with the logo to the left.



Hytrol Green: 100.1303

Conveyor Color Options Standard, optional, and custom paint colors

Conveyors are powder-coated for the smoothest, most durable and attractive finish you'll find. Hytrol conveyors are standard in Hytrol Green. **Standard Color:** Hytrol Green. All 24-hour items are finished in Hytrol Green. Unless otherwise specified, all conveyors ship in Hytrol Green. **Optional colors** ship in one week, if the hardware is normally a 24-hour item. For items with longer lead times (2, 4, or 6-8 weeks), optional colors will typically not affect lead time or price. **Custom Colors:** Custom colors are subject to price and lead time adjustments. To get a custom color, send Cisco-Eagle a metal chip with the desired color. The chip needs to be no less than 2" x 2" in size. Please contact us with any questions about custom colors and the steps needed to obtain them for conveyors. **IMPORTANT:** When color is a high priority, always request a color chart from Cisco-Eagle. The printing process is not accurate in terms of reproducing exact powder coat colors.



Dark Blue: 100.2203



Beige: 100.6703



Black: 100.7100



Gray: 100.8112



White: 100.5003



A Guide to conveyor types & applications

Power Conveyors

A power conveyor is recommended to maintain positive flow of inconsistently sized, shaped, or weighted products. They come in a wide variety of configurations and sizes. Most conveyors have a standard speed of 65FPM (feet per minute).

Power belt conveyors

- Belt conveyors are used to transport product by means of a moving belt. Available in slider bed and roller bed configurations. A variety of belts may be used to accommodate the product conveyed and the environmental conditions. They are often used for product that cannot be conveyed over rollers due to conveying surface or other factors. Belt conveyors offer the advantage of being able to utilize specialty belts for specific tasks. Consider product characteristics, the conveying environment, and the application performed on conveyor when looking at belt conveyors. Single units can be intermixed with gravity conveyor to create simple, semi-automated systems.



Belt conveyors come in two varieties: slider and roller bed.

- Slider bed conveyors** have a sheet metal frame with rollers at either end. The belt slides across the solid metal frame, giving it the name Slider Bed. The solid steel bed is an inexpensive, quiet, easily-installed conveyor. A Slider Bed Conveyor is suitable for light to medium loads.
- Roller bed conveyors** have channel frames with rollers placed below the belt and are best for heavier loads. The rollers allow you to carry more weight than a slider bed conveyor because it reduces the amount of friction. It is also better suited for instances where cartons are being pushed onto or off of the belt. A roller bed conveyor can maintain its belt alignment (or tracking) better than a slider bed as items are pushed across.

Live (power) roller conveyors

Powered Roller Conveyors are the basic transportation conveyor to move products between locations. Power roller conveyor is used extensively in large conveyor systems. How it works: a series of rollers over which objects are moved by the application of power to all or some of the rollers. The power transmitting medium is usually belting or chain. Live roller conveyors are frequently used in carton diverging or converging application.

When to use roller vs. belt

Belt conveyors move the belt, not the load. Roller conveyors drive the load itself on a series of powered rollers. This makes belt conveyor gentler on the load. Roller conveyors shine where you have a stable product, and because of their weight bearing capacities. Belt conveyor tends to be the better solution for many package & carton applications, and is also less costly. Where belt conveyors might have tracking issues with boxes being pushed, live rollers are an ideal solution. Box widths should be 2" less than roller width (curves may require more). Roller conveyors also offer the ability to accumulate cartons. You should always have at least 3 complete rollers under a box.



A Guide to conveyor types (continued)

Powered accumulation conveyors



Accumulation conveyors hold product on the conveyor until given a signal to release the product. Typical applications include feeding product to a machine such as a case sealer at a specified rate, or to hold all items to be shipped on a given truck until that truck is ready to be loaded. Accumulation is similar to power roller conveyor in function, with important exceptions. The drive pressure on the product can be adjusted to a minimum—or even eliminated altogether. This is useful when a long line of cartons have to be accumulated without pressure so that they can be utilized in a process such as loading, sorting, taping, strapping, palletizing, or picking.

In minimum pressure accumulation, conveyed products lightly touch each other

The driving of the tread rollers on minimum pressure conveyor is accomplished with the top surface of a standard section flat belt. The strength and wear qualities of the tread rollers and this belt have been thoroughly tested for continuous duty. To maintain the driving of the tread roller, the pressure

roller is mounted in spring-adjusted carriers which sense the required driving friction regardless of the length of the accumulated load. The pressure can be maintained constantly to give as little as 2% minimum back pressure.

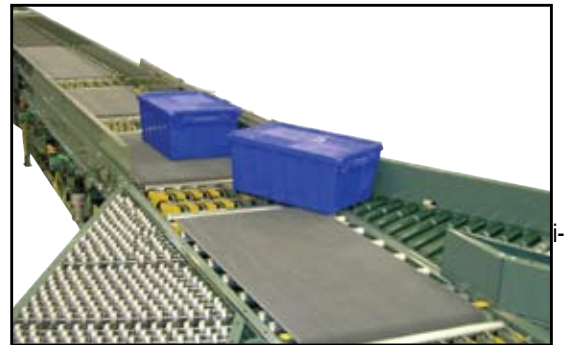
In zero-pressure accumulation, conveyed products rarely touch each other and place no force on product when it stops

Each zone extracts power from a flat drive belt that runs the entire length of the conveyor. When a product is stopped, a sensing eye is activated, sending a signal to the trailing zone. When the next load moves into this zone, the drive belt is lowered away from the tread rollers causing the product to stop until the product is released. When any product is removed, all others behind this zone will move forward in sequence. Applications for this conveyor must be reviewed carefully because many factors affect proper operation.

Sortation Conveyors

Sortation Conveyors provide a means of diverting a product from one conveyor line to another. By using controls and multiple Sortation Conveyors, product can be sorted by diverting the product only to the appropriate conveyor.

- **Slat Sortation Conveyors** move the product on high strength aluminum slats, and incorporates a system of shoes to move diagonally across the conveyor to divert the product conveyed to the appropriate conveyor. This conveyor is suitable for moving smaller items that can not be sorted with tube or belt sortation methods. Usually deployed in higher-sort applications.
- **Horizontal belt sortation** is a lower cost solution when medium speeds and through-puts are required entailing sortation to multiple lanes. Horizontal belt sorters are good for sorting corrugated cartons, trays, or totes and provide a reliable method of tracking packages to divert stations.



Gravity conveyors

Gravity conveyor provides an economical means of transporting product where the conveyor does not need to be powered. A gravity conveyor moves objects without motor power, typically utilizing slope, and sometimes depending on human interaction to move product between areas in a process such as assembly or order picking. Gravity conveyor is often used in picking or assembly operations where the product or tote is pushed to the next location as required. It is much less expensive than powered conveyor. When installing gravity conveyors, always test the angle of decline (typically 1 to 6 degrees) with your full range of products to be sure proper flow is achieved.



- **Gravity Skatewheel Conveyor** is made with steel skatewheels mounted on axles to convey product. This is the most economical type of conveyor. It is frequently used for loading trucks, with the conveyor set up on removable stands or supports. Skatewheel conveyors are good for items with a smooth, flat bottom. Unlike power conveyor, the load can be wider than your conveyor if centered correctly. Skatewheel conveyors flow better than roller conveyor. A minimum of ten wheels should be positioned beneath your load at any given time.
- **Gravity Roller Conveyor** uses rollers for greater weight carrying capacities than skatewheel. Rollers are recommended for uneven, open, or rimmed bottom packages. They have spring-loaded axles for easy removal & replacement. Unlike skatewheel conveyors, product should never be wider than the rollers. Use at least three rollers under a product at any given time.
- **Flexible conveyors** are available in both skatewheel and roller variations. Flexible conveyors are great around the dock because you can reshape, extend or retract them to fit the desired space.



Model TA Medium Duty Slider Bed Belt Conveyor

One of the most versatile and frequently-used conveyors in the industry



A supremely versatile conveyor, Model TA can be used in diverse applications such as assembly line operations, tote, parts & carton conveyance, sorting, packing, and inspection. It sets up quickly and easily to save on installation time. TA is excellent for progressive assembly, sorting, inclines and declines. It is not typically the best option for bulk materials.

- Bed - 4" deep x 12 ga. formed powder painted
- Belt Widths: 6", 8", 10", 12", 14", 16", 18", 20", 24", & 30"
- Motor-1/2 HP standard-3/4 HP to 1 HP available
- Capacity-Maximum load per linear ft. of conveyor 75 lbs., not to exceed rated capacities
- Reversible (with Center Drive)



Model TL Heavy Duty Slider Bed Belt Conveyor

Ideal for long assembly line operations, inspections, testing, sorting, and packing

Model TL can be floor supported or ceiling hung. It is an excellent conveyor for wide, long and heavy product loads. Conveyor can be floor supported or ceiling hung.

- Bed - 6-5/8" deep x 12 ga. formed powder painted
- Belt Widths: 24", 30", 36", 42" & 48"
- End Drive (standard)
- Motor - 1 HP standard-2 HP max.
- Adjustable Floor Supports Available
- Capacity - Maximum load per linear ft. of conveyor; 100 lbs., not to exceed rated capacities
- Reversible (with Center Drive)



Model TR - Medium Duty Troughed Slider Bed Conveyor

Built in guard rails create an enclosed "trough"

The Model TR with built-in guard rails is ideal for overhead conveying applications. It easily conveys boxes, cartons, cases, bags, as well as loose parts.

- Bed - 4" deep x 12 ga. formed with 2-1/2" high guards powder painted
- Belt Widths: 6", 8", 10", 12", 14", 16", 18", 20", 24", & 30"
- End Drive (standard)
- Motor - 1/2 HP standard - 2 HP max.
- Adjustable Floor Supports Available
- Maximum load per linear ft. of conveyor; 75 lbs., not to exceed rated capacities
- Reversible (with Center Drive)

Model SB Horizontal Belt Slider Bed

Utilized in material handling systems where conveyors are connected to each other

Model SB "system" conveyor is used for assembly line operations, inspections, testing, sorting and packing. This conveyor has a higher capacity than the standard slider bed. Use the SB to create product gaps preceding a sortation system. Designed with channel frames and bolt in pans. Frame design makes it ideal for matching up with roller bed conveyors.

- Bed - 6-1/2" x 12 ga. formed steel channel powder painted with galvanized bed pans
- Overall frame widths: 16", 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", 42", 48", 54", & 60"
- Center Drive (standard)
- Motor - 1 HP standard-2 HP max.
- Adjustable Floor Supports Available
- Maximum load per linear ft. of conveyor 100 lbs., not to exceed rated capacities
- Reversible



The "Gapper" Horizontal Belt Gapping Conveyor

Dynamic and static gapping based on software and controls

The Gapper is designed for feeding conveyor system saw tooth merges, combiners, sorters, palletizers, in-motion scales, label application systems, or other equipment where gaps must be pulled between cartons.

- Bed - 12 ga. galvanized slider pan mounted in 6-1/2 in. x 12 ga. powder painted, formed steel channel frame.
- Belt Widths: 12", 18", 24", 30", & 36"
- Center Drive (standard); Motor - 1 HP standard. 3 HP max.
- Adjustable Floor Supports Available
- 6 Speed Gap Ratios



Model TH Trash & Empty Carton Belt Conveyor

Disposal & returns applications

Model TH handles empty cardboard boxes, paper trash, and other bulky applications such as baggage handling, returns, pick modules and receiving areas. It can be used to feed a baler. Features integral side guards and an underside bed cover the entire length of the conveyor. Excellent for publishing, printing, and other applications that generate volumes of paper trash.



Model TS1500-100/TS1500-40 Belt Curve Conveyors

Available in 45°, 60°, 90° & 180° turns, can transport a wide variety of products

The Model TS1500-100 provides a positive flow of product by means of a belt, driven by tapered pulleys. Conveyor is a versatile in that it can transport a wide variety of products. Available in 45°, 60°, 90°, and 180° turns. The Model TS1500-140 provides a positive flow of product by means of a belt, driven by tapered pulleys. Conveyor is a versatile in that it can transport a wide variety of products. Available in 45°, 60°, 90°, and 180° turns.



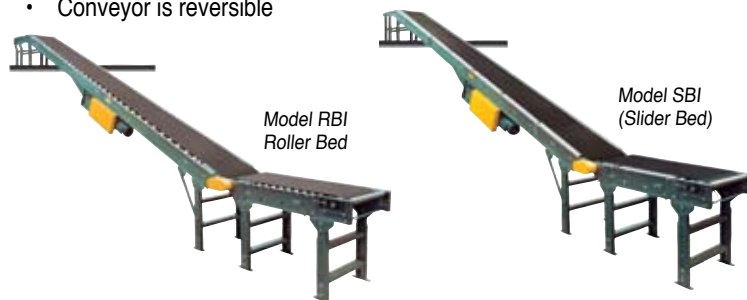
- Bed - 8-3/8" inside, 10-1/2" outside. 2" x 2" x 3/16" structural steel all welded construction
- Belt - Black monofilament, PVC top with urethane guide strip
- Motor - 3/4 HP shaft mounted right-angle gear motor standard-5 HP maximum
- Adjustable Floor Supports Available

Model SBI (slider bed) & RBI (roller bed) floor-to-floor incline conveyors

Reversible conveyors excellent for both ascending and descending applications

These floor to floor incline conveyors are equipped with chain drive power feeders and an adjustable nose-over at the discharge end to ensure a smooth transfer from the incline to the horizontal plane. RBI roller bed conveyors provide higher load capacities. The SBI slider bed incline conveyor line has full-width galvanized pans. Incline conveyors are easily adjusted up to 30°. Both conveyors can be used as a booster in gravity flow systems.

- Bed - 6-1/2" deep x 12 gauge formed steel frame powder painted. Standard sections come in lengths of 6', 8', & 10'
- Belt Widths: 10", 12", 14", 16", 18", 20", 22", 24", 28", 30", 34", & 36"
- Center Drive (standard)
- Motor - 1 HP C-Face "SSB" Series Brake Motor - 2 HP max.
- Adjustable Floor Supports Available
- Capacity - SBI: 100 lbs. per linear foot. RBI: 225 lbs. per linear foot max.
- Conveyor is reversible



Model PSB/PSBC Plastic Belt Conveyor

For food service and other wet applications

The Model PSB with modular plastic belting uses a positive drive system to eliminate belt slippage and mis-tracking. The Model PSBC (a plastic belt curve conveyor) is also available and can be used in conjunction with the PSB.

- Bed - UHMW on aluminum slider bars, mounted to frame spacers. Mounted in 7-1/2 in. x 12 ga. powder painted, formed steel channel frame bolted together with butt couplings
- Polypropylene 2" pitch plastic belt
- Standard Belt Widths: 8", 10", 12", 14", 16", 18", 20", 22", 24", 26", 28", 30", 32", 34", 36", & 38"
- Motor - 1/2 HP standard - 2 HP maximum
- Adjustable Floor Supports Available
- Capacity - up to 200 lbs. per linear ft for PSB, 300 lbs. per linear foot for PSBC





190-ACZ - Medium Duty (Flat Belt) Accumulation Conveyor

Eliminates complicated adjustments - minimum pressure accumulation conveyor

The Model ACZ accumulates cartons, boxes, etc. Basic design eliminates complicated adjustments and allows a minimum of 2% back pressure. It can be configured to nearly any length. This conveyor is reversible and ships with a standard center drive.



- Bed - 6-1/2" deep x 12 ga. formed steel channel frame powder painted
- Rollers - 1.9" dia. x 16 ga. galvanized tread rollers spaced every 3" and 1.9" dia. x 16 ga. galvanized pressure rollers spaced every 6"
- Overall frame widths: 16", 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", & 42"
- Motor - 1/2 HP standard - 2 HP max.
- Adjustable floor supports available
- Maximum load per linear foot: 200 lbs., not to exceed rated capacity

Models 138-ACC & 190-ACC - Medium Duty (V-Belt) Accumulation Conveyor

The simplest method ever devised for accumulating cartons, boxes, etc.

Basic design eliminates complicated adjustments and allows a minimum of 2% back pressure. By maintaining a constant minimum pressure on the tread rollers, long loads may be conveyed, accumulated, or stopped in the conveyor at any point using very little motor horsepower and giving practically no pressure between boxes or packages. Conveyors are reversible.



- Bed - 6-1/2" deep x 12 ga. formed steel channel frame, powder painted
- Motor - 1/2 HP standard-2 HP max.
- Rollers - (190-ACC): Rollers are 1.9" dia. x 16 ga. galvanized. Tread rollers spaced every 3"; pressure rollers spaced every 6". (138-ACC): 1-3/8" dia. x 18 ga. galvanized. Tread rollers spaced every 3"; pressure roller spaced every 6"
- Overall Frame Widths: (190-ACC): 16", 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", & 42". (138-ACC): 12", 15", 18", & 24".
- Underside Drive (standard)
- Capacity - (190-ACC): Maximum load per linear ft. of conveyor; 150 lbs., not to exceed rated capacities. (138-ACC): Capacity-Maximum load per linear ft. of conveyor; 100 lbs., not to exceed rated capacities.
- Finger tip pressure roller adjustment-no tools required

How minimum pressure accumulation conveyor works:

The driving of the tread rollers on minimum pressure conveyor is accomplished with the top surface of a standard section endless flat belt. The strength and wear qualities of the tread rollers and this belt have been thoroughly tested for continuous duty. To maintain the driving of the tread roller, the pressure roller is mounted in spring-adjusted carriers which sense the required driving friction regardless of the length of the accumulated load. The pressure can be maintained constantly to give a 2% minimum back pressure in either forward or reverse.

In the event of extreme changes in the load (weight of box or package), convenient knurled thumb adjusting nuts can be turned to accept a heavier load. This method eliminates the need for selecting proper tension spring holes in trigger mechanisms or jogging cleats on driving belt and eccentric (off center) tread rollers. By maintaining a constant minimum pressure on the tread rollers, long loads may be conveyed, accumulated, or stopped in the conveyor at any point using very little motor horsepower and giving practically no pressure between boxes or packages.





Model 190-LR Flat-Belt Driven Live Roller Conveyor

For medium to heavy duty cartons in manufacturing and distribution

Model 190-LR is a belt driven live roller conveyor designed to transport medium to heavy cartons. Applications vary from manufacturing to distribution operations. It can be used for transferring or deflecting boxes on or off conveyor lines. Live roller design also permits stopping or holding (not accumulating) without stopping the conveyor. Ideal for merging where positive product flow is required.



- Bed-6-1/2" deep x 12 ga. formed steel channel frame powder painted
- Rollers-1.9" dia. x 16 ga. galvanized rollers spaced every 3"
- Frame Widths: 16", 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", & 42"
- Motor-1/2 HP standard-3/4 HP to 2 HP available
- Center Drive (standard); Reversible
- Capacity-Maximum load per linear ft. of conveyor; 200 lbs., not to exceed rated capacities

Live Roller Curve Conveyor - Models 138/190-LRC Accumulation Curves

Negotiate 30°, 45°, 60°, and 90° curves

These light and medium duty, V-belt-driven live roller conveyors that negotiate 30°, 45°, 60°, and 90° curves. Tapered rollers assist in package orientation. Curves may be self powered or slave-driven from 138-or-190 ACC, LRS or LRSS conveyors.

- Bed - 6-1/2" deep x 12 ga. formed steel frame, powder coated
- Rollers:
 - 138-LRC: 1-3/8" dia. x 18 ga. galvanized roller (12" to 18" OAW) and 2-1/2" dia. tapered to 1-11/16" dia. x 16 ga. galvanized, and 1.9" dia. x 16 ga. galvanized straight roller (24" OAW).
 - 190-LRC: 2-1/2" dia. tapered to 1-11/16" dia x 16 ga. galvanized and 1.9" dia. x 16 ga. galvanized rollers
- Overall Frame Widths — 138-LRC: 12", 15", 18", 24". 190-LRC: 16", 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", 42"
- Motor - 1/2 HP standard (1 HP max. for 190-LRC)
- Adjustable Floor Supports Available
- Capacity (distributed load) - 150 lbs. (138-LRC), 500 lbs. (190-LRC)



The most advanced zero-pressure accumulation system in the world just got better...

Gen3 is the next generation of the EZLogic® Accumulation System. It maintains the best of previous EZLogic Systems while incorporating new technologies for ease of installation, operation, and maintenance. The most advanced zero-pressure accumulation system in the world even better.



Easy to install, use, maintain, & expand

- Easy installation and replacement
- Dynamic zone allocation provides unprecedented throughput
- Easy to configure
- Expanded control options
- Functionality to enhance product flow
- Greatly simplified field wiring

Functionality

Two Modes of Operation

Singulation Mode - product separates while traveling down the conveyor and when it is released from the conveyor, creating a zone-length gap between packages.

Slug Mode - product does not separate when traveling down or when released from the conveyor. This allows higher carton throughput at any given conveyor speed. Product will not separate even when accumulation has been activated at the discharge end.

Jam Protection

When the conveyor is set to run in "slug mode," if a package is sensed by an EZLogic® controller for six seconds or longer a signal is sent to the upstream zone to accumulate product on the upstream side of the jammed package. This prevents product pile-up until the jam is cleared. The zone where the jam is detected continues to drive, in many cases dislodging the product. Once the jam is cleared, the conveyor operates normally.

"Sleep" Feature

If an EZLogic® controller does not detect the presence of product for a selectable time period, the controller stops the zone from driving. This is known as the "sleep" feature and it helps reduce noise and roller wear. Packages traveling down the conveyor "wake up" the zones as needed to move the package.

Loading Zone

When a pallet (or other load) is placed in a zone by some external means, the zone stops the rollers from turning and holds back any upstream pallets for a preset time.

Indexing Zone Stop

Ideal for workstations where a person finishes with one item then momentarily presses a switch, indexing the next item forward.

Pulse Feature for GEZ

Momentarily applies a brake to passing boxes in zones of GEZ (gravity accumulator) conveyors to prevent momentum build-up.

Cascaded Slug Release

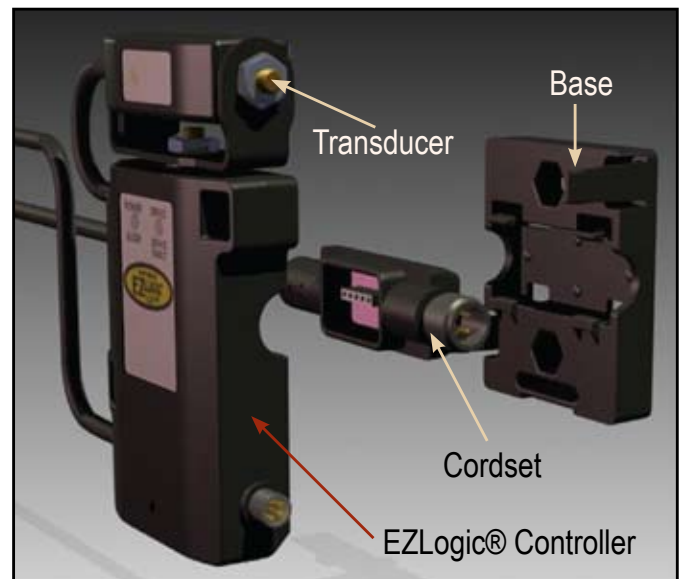
Rather than releasing all cartons simultaneously, this introduces a momentary delay in the release of each zone, from discharge upstream.



EZLogic® Controller

The controller plugs into the cordset and snaps into the base, which reduces excess cabling. Cables always run in the 'proper' direction for either left hand or right hand flow. Controllers can be removed and replaced without disturbing cabling. System includes 2 functional variations: Standard & enhanced, with extended capabilities. Two physical variations: Unitized (transducer hard-wired to controller), and Controller only (for use with remote transducers).

Controller/transducer assembly includes base, cordset, EZLogic® controller, and transducer (Sensor). Cordset features different lengths for different zones, and easily snaps into base. Installation direction determines default direction of conveyor flow. The cordset provides the plug-in point for the controller. It's an easy push to connect system. System includes 3 sensing types: polarized reflex, adjustable diffuse, and narrow-beam diffuse. System can be mounted in two styles: Unitized (hard-wired to controller), and Remote (plugs to controller). Dual-transducer option is available. Adjustable vertically and horizontally.



More features...

Input/Output/Power system (IOP)

IOP provides a central location to wire in all "real time" inputs and outputs to the EZLogic® system, such as zone stop & slug mode inputs, photoeye & "jam detected" outputs, and other real time I/O. IOP can reduce installation costs, is easily reconfigurable, serves as a central troubleshooting location, and can be used for peer to peer communications.



Interfacing options

Pushbutton programmer: plugs to the Auxiliary port of any controller and allows easy configuration of the most-used features.

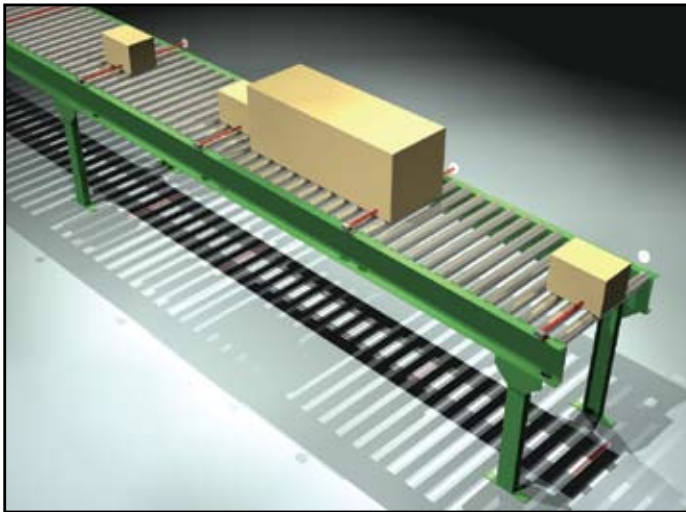
EZLogic® PC software provides easy-to-use interface to configure the EZLogic® system. It allows access to some advanced features. It can be used to configure IOP settings; it can retrieve diagnostic data from a controller. It allows the user to change settings in a controller; save a controller configuration for later use, load and use default settings for various conveyor models, and set "clone protection" for a controller to prevent accidental overwriting of critical settings by cloning.



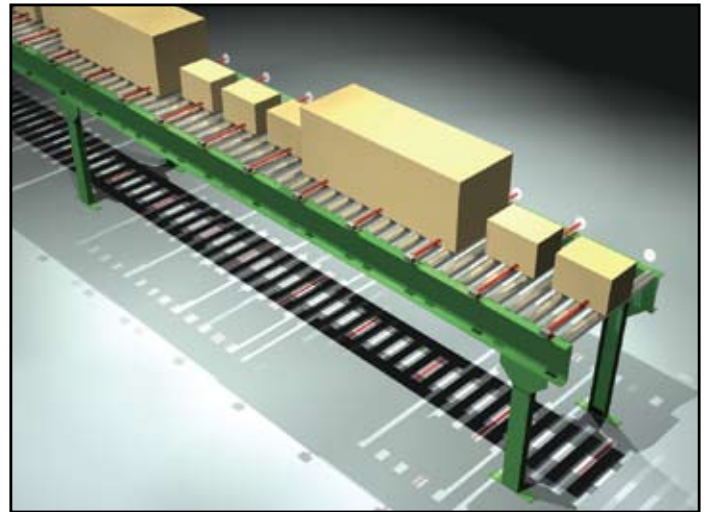
Dynamic zone allocation adjusts zones to accommodate most any length of box

The low usage, long box is no longer a problem

EZLogic® automatically adjusts the conveyor's zone length to accommodate the length of the carton being conveyed. This is a vital advantage for many conveying applications. Longer cartons are easily and efficiently conveyed in singulation mode, giving you better control of conveyed boxes. Carton throughput is increased, as well as accumulation density and system flexibility. This naturally makes your conveyor system more flexible and more efficient. You can size your zones for the smallest carton in the system and still deal with the largest one. What's more, longer cartons can be introduced after installation and don't obsolete your conveyor investment.



ABOVE: Standard zone lengths are fine for many applications, but they restrict product density and reduce throughput on the conveyor. It is often restricted to the length of the longest box.



ABOVE: Dynamic zone accumulation sets zones based on the length of the load. It wastes less space on the line and allows for greater density and higher throughput. It is highly flexible when it comes to load lengths.

EZLogic® Components

Controller/Transducer Assembly

Includes base, cordset, EZLogic® Controller, & transducer (sensor).

The cordset

- Different lengths for different zones
- Snaps into base
- Installation direction determines default direction of conveyor flow
- Provides plug-in point for EZLogic® controller
- Push to connect



The transducer (sensor)



Three sensing types: (1) Polarized Reflex, (2) Adjustable Diffuse, (3) Narrow-Beam Diffuse. Two mounting styles: (1) Unitized (hard-wired to controller); (2) Remote (plugs to controller). Dual-transducer option is available. Adjustable vertically and horizontally



EZLogic® controller

- Two physical variations: (1) Unitized (transducer hard-wired to controller); and (2) Controller only (for use with remote transducers)
- Two functional variations: (1) Standard, and (2) Enhanced (with extended functional capability)
- Plugs into cordset and snaps into base

Easier assembly

- The controller plugs in
- Reduces excess cabling
- Cables run in "proper" direction for either left-hand and right-hand flow
- Controllers can be removed and replaced without disturbing cabling



E24™ Live Roller Conveyor: 24-volt live roller technology lasts longer, reduces heat dissipation issues, and slashes maintenance costs

E24™ is a brushless, gearless, low RPM, high torque motor, that drives conveyor rollers reliably and efficiently

This new conveyor technology provides high performance and reliable solutions within a safe, quiet working environment. The self-contained modules arrive fully assembled and tested. Quick-connect modules provide a substantial reduction in wiring and installation costs. It's ideal for distribution operations with frequent layout changes or for manufacturers that need to quickly change process lines. The modular design lowers total cost of ownership and increases performance.



How does it work?

The E24 motor drives tread rollers through a spool-O-Ring combination. Speed can easily be altered by changing spool size. There is no need for a different motor because there are no gears in the system.

Why use it 24 volt DC conveyors?

24-volt motor-driven roller conveyors are popular because they are simple and flexible. Since the drive train is distributed along the conveyor length a single piece of equipment can perform multiple functions. This includes different speeds, multiple directions and starting/stopping individual sections.

Integrates with EZ-Logic® & other controls

E24™ can be configured with internal plug and play controls, or integrated with external controls. It's also available with Hytrol's award-winning EZ-Logic® technology, featuring dynamic zone accumulation. This means improved throughput and numerous configuration possibilities. E24's control card interfaces directly with EZLogic® for accumulation. Easy configurability and dynamic zone allocation combine with E24's flexibility and reliability to make the E24EZ a valuable part of any conveying system.

Uses less energy; 10 times the life of traditional MDR motors



E24™ maintenance is minimal. The drive motors run only when needed. In normal operation, the long life motors are rated at 8-10 times the hours of traditional MDR motors. If motor replacement is necessary, parts are minimized, because the standard drive motor fits a wide range of roller diameters, roller lengths and speed requirements.

New technology eliminates heat, motor-life issues

E24™ resolves issues such as heat dissipation, limited motor life span, lack of sufficient torque, and the inability to use 1-3/8" rollers, which has significantly limited using motor-driven rollers in what are otherwise excellent applications. These limitations are now issues of the past.

A breakthrough—easy to implement, maintain, and operate

- Safe, 24 VDC operation reduces risks to maintenance personnel and operators
- Substantially quieter operation
- Energy efficient motors and logic
- Modular design is easily configurable
- Plug and play for quick setup
- Extended motor life 8-10 times conventional rollers
- Absolute product control with self-contained module controllers
- Minimum & zero pressure accumulation flexibility and product protection
- Easily integrated with PC's or PLC's





ABEZ - Medium Duty Flat Belt zero pressure live roller accumulation conveyor

Store or stage product for other operations with no product damage while minimizing power consumption & equipment wear

The Model ABEZ is a horizontal live roller conveyor designed for applications that require accumulation of products without a build-up of line pressure. Singulation feature allows products to be easily removed from any location on conveyor. The conveyor consists of accumulation zones each of which contains an EZLogic® accumulation module. The accumulation modules sense product presence to determine whether the zone should be driving or accumulating. ABEZ conveyor lines, regardless of length, may be fully accumulated with product with absolutely zero back-pressure at the discharge end or anywhere along the length of the conveyor. This allows the conveyor to store or stage product for other operations with no product damage while minimizing power consumption and equipment wear. Also, with no back-pressure, cartons may be easily removed from any point along its length for secondary operations. Equipped with photoelectric product sensing, making it reliable and trouble free conveying varied products weighing practically nothing up to 150 lbs per foot. *SIZES & SPECS: Bed - 6-1/2" deep x 12 ga. formed steel channel frame powder painted. Rollers - 1.9" dia. x 16 ga. galvanized tread rollers spaced every 3" and an EZLogic® Accumulation Module located in each zone. Overall Frame Widths: 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", & 42". Center Drive (standard). Motor - 1/2 HP standard - 2 HP max. Capacity - Maximum load per linear foot of conveyor; 150 lbs. No minimum load. Accumulation Zones - 12", 18", 24", 30", & 36" Long Air Controlled*



Live Roller Spool Conveyor, Models 138-NSP & 190-NSP

General transport conveyor accumulates products with back-pressure

Live roller spool conveyor is a general transport conveyor with the capabilities of accumulating products with back-pressure. Quiet operation, versatile design, easy installation and maintenance are standard features that make these conveyors a valuable component in operations requiring high performance with minimal downtime. Conveyor is reversible. Adjustable floor supports available. *SIZES & SPECS: Bed: 9-1/2" x 12 gauge formed steel channel frame, powder painted. Rollers: 138-NSP: 1-3/8" dia. x 18 ga. galvanized roller spaced every 3". 190-NSP: 9-1/2" x 12 ga. formed steel channel frame, powder painted. Overall frame widths: 138-NSP: 12", 15", 18" & 24"; 190-NSP: 16", 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", & 42". Underside Drive (standard). Motor - 1/2 HP standard-2 HP maximum. Capacity (not to exceed rated capacities, maximum load per powered roller): 138-NSP: 10 lbs. 190-NSP: 15 lbs*



Live Roller Spool Curve Conveyors, Models 138-NSPC & 190-NSPC

General transport conveyor with the capabilities of accumulating products with back-pressure

Live roller spool conveyor is a general transport conveyor with the capabilities of accumulating products with back-pressure. Quiet operation, versatile design, easy installation and maintenance are standard features that make these conveyors a valuable component in operations requiring high performance with minimal downtime. Easily modified in the field. Can be used with pop-up diverters, (as slave-driver with no additional motors/drives) spurs, curves, transfers, etc. without additional drives or motors. Not recommended for dirty/oily applications.

- Bed - 9-1/2" x 12 ga. formed steel channel frame powder painted
- Rollers - 138-NSP: 1-3/8" dia. x 18 ga. galvanized roller spaced every 3"; 190-NSP: 9-1/2" x 12 ga. formed steel channel frame, powder painted
- Overall Frame Widths — 138-NSP: 12", 15", 18" & 24"; 190-NSP: 16", 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", & 42"
- Underside Drive (standard)
- Motor - 1/2 HP standard-2 HP max.
- Adjustable Floor Supports Available
- Capacity (not to exceed rated capacities, maximum load per powered roller) — 138-NSP: 10 lbs. 190-NSP: 15 lbs.
- Reversible



190-NSPEZ Medium Duty Spool Zero Pressure Accumulation Conveyor

Designed for zero-pressure accumulation in assembly lines and product distribution - utilizes EZLogic system

The Model 138-NSPEZ is a horizontal live roller conveyor designed for zero-pressure product accumulation. Positive braking in each zone reduces the possibility of damage to fragile items during accumulation. Singulation feature allows products to be removed from any location on the conveyor. Excellent for cartons, totes, cardboard boxes and other square, even loads. Positive braking in each zone minimizes load damage potential. Optional zone stops allow progressive assembly applications. Can drive curves, spurs, and accessories without additional drives.

- Bed - 9-1/2" deep x 12 ga. formed steel channel frame powder painted
- Rollers - 1-3/8" dia. x 18 ga. galvanized tread rollers spaced every 3" and an EZLogic® Accumulation Module located in each zone
- Overall Frame Widths: 12", 15", 18" & 24"
- Motor - 1/2 HP standard - 2 HP max.
- Adjustable Floor Supports Available
- Capacity - Maximum load; 10 lbs. per drive roller. No minimum load
- Accumulation Zones - 12", 18", 24", 30", & 36" Long Air Controlled
- Also available in 1-3/8" lighter capacity roller models

Curve models (190-NSPEZC) can be slave-driven from 190-NSPEZ

Zero pressure accumulation curve conveyors are used where turns in the conveyor line are necessary. Curves can accumulate two products.

NSPEZC specifications:

- Bed - 9-1/2" x 12 ga. powder painted formed steel channel frame.
- Overall Frame Widths: 16", 18", 20", 22", 24", 26", 28", 30", 34", 36", 40", & 42"
- Rollers - 2-1/2" Dia. galvanized tapered to 1-11/16" Dia. roller
- Accumulation Zones - 24" long air controlled with EZLogic Accumulation System
- 1-3/8" lighter duty models are available



Heavy Duty Chain Driven Live Roller Conveyor (roll-to-roll) - Model 25/26-CRR

Convey oily parts, pallets, drums

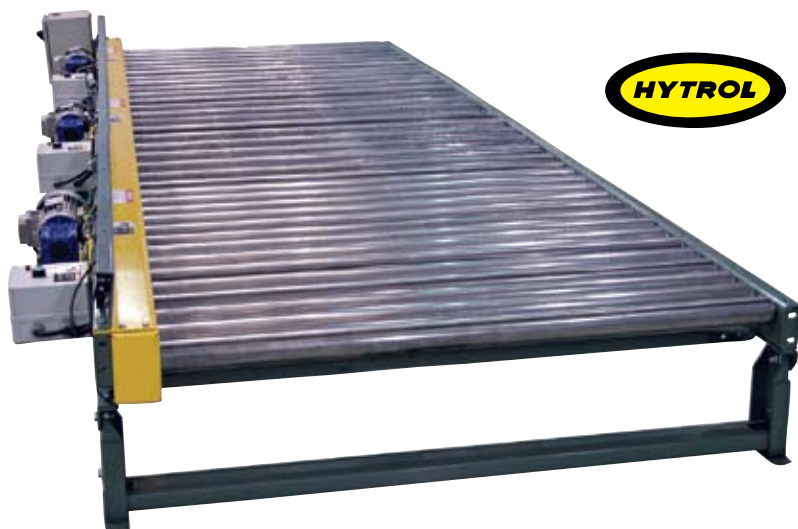
The heavy design of the 25/26-CRR Power Roller Chain Driven Conveyor allows it to be used for conveying higher load capabilities such as loaded pallets and drums. Chain driven rollers make it ideal for conveying parts in bottling and steel industries. Adjustable floor supports available.

- Bed - 4 ga. formed steel channel frame powder painted
- Chain Driven Rollers - 26-CRR— 2-1/2" dia. x 11 ga. unplated tread rollers spaced every 4" with #40 chain; 3", 3-3/4", 5", 7-1/2", or 10" with #50 roller chain. #60 Roller Chain used on 3", 3-3/4", 6", 7-1/2", and 12" roller centers only
- Chain Driven Rollers - 25-CRR: 2-5/8" dia. x 7 ga. unplated tread rollers spaced every 4" with #40 chain; 3", 3-3/4", 5", 7-1/2", or 10" with #50 roller chain. #60 Roller Chain used on 3", 3-3/4", 6", 7-1/2", and 12" roller centers only
- Overall Frame Widths: 22-1/4", 24-1/4", 26-1/4", 28-1/4", 30-1/4", 34-1/4", 36-1/4", 40-1/4", 42-1/4", 46-1/4", 50-1/4", 54-1/4", 58-1/4", 64-1/4" & 70-1/4"
- Center Drive
- Motor - 1 HP standard - 2 HP max.
- Adjustable Floor Supports Available
- Capacity - Maximum load per linear foot of conveyor; 300 lbs. with supports on 10" centers; 1000 lbs. with supports on 5" centers
- Reversible
- Drive Chain - #40, 50, or 60 roller chain



Model 25-CREDZ Chain Driven, Zero-Pressure Accumulation Conveyor

Performs in large, unitized or palletized conveying applications with no back pressure



The Model 25-CREDZ is a chain driven live roller conveyor designed to handle loads such as pallets, drums, etc. Items are accumulated with zero back pressure, reducing the possibility of collisions that may result in product damage.

25-CREDZ is ideal for shipping & receiving pallets, and also for taller loads and interfacing with palletizers, stretch wrappers, and other devices. Features a motor in every zone.

- Bed - 4" x 4 ga. formed steel channel frame powder painted
- Rollers - 2-1/2" dia. x 11 ga. unplated tread rollers spaced every 4" or 6". 1.9" dia. rollers also available.
- Overall Frame Widths: 34-1/4", 38-1/4", 42-1/4", 46-1/4", 50-1/4", 54-1/4", 58-1/4", 62-1/4", 66-1/4", & 70-1/4"
- Drive - 1/2 HP Shaft mounted gearmotor located near center of each zone
- Adjustable Floor Supports Available
- Capacity - Maximum load per linear foot of conveyor; 1000 lbs. Maximum unit load; 3000 lbs. Total load not to exceed rated capacities
- Accumulation Zones - 60" Long standard. Other lengths available

Sortation Conveyor Systems

Rapid productivity gains...



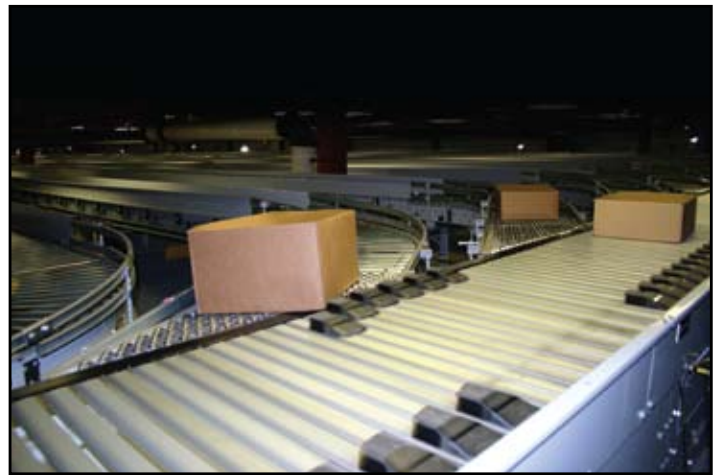
Sortation systems induct and separate conveyed loads to specific destination lanes in a manner that arranges product for superior distribution. Utilize sortation systems when high-volume product must efficiently flow to varied destinations. Sortation methods are combined with conveyors to achieve this.



Model ProSort 131 High Speed Slat type Sortation Conveyor (Slat)

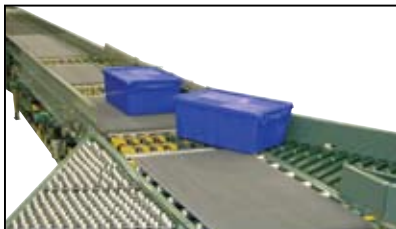
Ideal for high speed product sorting. Loads are transported on flight tubes where at a predetermined location, divert shoes move diagonally across the conveyor to physically push the product onto a take-away line. Loads are moved on high strength aluminum slats. Conveyor incorporates a system of shoes to move diagonally across the conveyor to divert the product conveyed to the appropriate line. This conveyor is suitable for moving smaller

items that can not be sorted with tube or belt sortation methods. Overall Widths: 24", 30", 36", & 42". Bed-14" deep x 1-1/2", 10 & 12 ga. formed steel frame powder painted. Air Requirements-60 p.s.i. Motor-230/460V-3Ph. 60HZ. HP based on speed and length requirements. Capacity-Maximum load 25 lbs. per foot. Maximum unit load 50 lbs.



ProSort 400 Series - 421 & 431

The ProSort 421 is designed to sort products at a 22 degree angle where higher speeds are required and close divert centers are not so critical. The ProSort 431 is designed to sort products at a 30 degree angle where close divert centers are required. Products are transported on anodized aluminum slats where at a predetermined location, divert shoes move diagonally across the conveyor to push the product onto a take-away line. The ProSort 400 family of sorters are designed for high speed applications where product diverting needs to be both positive and gentle. Overall Widths: 33", 39", 45", 51", & 57". Bed - 21" deep x 1-1/2" x 7/8" flange. 10 ga. formed steel frame powder painted. Air Requirements - 60 p.s.i. Motor - 230/460V-3Ph. 60HZ. HP based on speed and length requirement. Capacity - maximum load 50 lbs. per foot. Maximum unit load 100 lbs.



Model SC High Speed Sortation Conveyor

Functions as a belt driven sortation conveyor. The belt concept provides a reliable method of tracking packages to the divert stations. The diverter may be controlled by photo cells, a code reader, a PLC controller, or other established control methods. Belt conveyors are Slider Bed Conveyors with hardwood cleats attached to the belts. The cleats help to keep the product from sliding backwards at greater degrees of incline. Cleated Belt Conveyors can incline up to 40 degrees depending upon the products being conveyed.

Small Roller Transfer Conveyor - ProSort Model SRT Sortation

Executes 2-sided transfer of items. Product can be transferred off either side of the conveyor to other right angle conveyors, workstations, packing operations, ticketing stations, shipping departments, or other similar operations. Handles high sort rates (up to 100 sorts a minute). Utilizes multiple narrow belts to transport items and is equipped with right-angle pop-up rollers. The rollers pop up between the belts to transfer items off the unit. Minimum product size is 4" x 4" with a maximum of 24" length, while maximum weight is 20 lbs. Small to medium-size items such as boxes, cartons, totes, etc. are ideal.



ProSort MRT Medium Roller Transfer Conveyor

A sorter for medium sized items. Product is transported on multiple narrow belts. Rollers pop up between the belts to transfer items at right angles to the sorter.

- Right Angle Transfer
- Two-Sided Transfer
- High Sort Rates
- Close Transfer Locations
- Flexible Sort Locations
- HyPower Distributed Cabling System

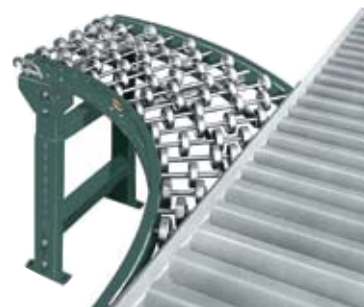


Gravity Skatewheel Conveyors

Gravity Skatewheel conveyor is ideally used to convey lightweight packages or when operation requires lightweight sections. Skatewheel is useful in setting up temporary conveyor lines in warehousing activities, shipping departments, assembly areas, etc. Choose steel or aluminum conveyors. Loads should be even and smooth for best performance. A minimum of 10 wheels under each product is required for smooth rolling.



When possible, utilize gravity conveyors in place of power to conserve energy



* Wheels Per Foot. Weights are for 10' and 5' conveyor sections. All conveyors listed have 3" axle centers, with 1.5" available.

Straight conveyors - 3" roller centers - Steel

Model Number	WPF*	Weight		Model Number	WPF*	Weight	
		10'	5'			10'	5'
12" Overall Width				15" Overall Width			
3SW-12-16	16	80	16	3SW-15-16	16	87	48
3SW-12-12	12	72	12	3SW-15-12	12	78	43
3SW-12-10	10	68	10	3SW-15-10	10	73	40
3SW-12-8	8	65	8	3SW-15-8	8	69	38
3SW-12-6	6	63	6	3SW-15-6	6	68	37
18" Overall Width				24" Overall Width			
3SW-18-20	20	98	54	3SW-24-28	28	118	65
3SW-18-18	18	92	49	3SW-24-24	24	112	62
3SW-18-16	16	87	46	3SW-24-20	20	103	57
3SW-18-14	14	83	44	3SW-24-18	18	100	55
3SW-18-12	12	77	41	3SW-24-16	16	95	52

Straight conveyors - 3" roller centers - Aluminum

Model Number	WPF*	Weight		Model Number	WPF*	Weight	
		10'	5'			10'	5'
12" Overall Width				15" Overall Width			
3AW-12-16	16	43	23	3AW-15-16	16	41	26
3AW-12-12	12	39	21	3AW-15-12	12	42	23
3AW-12-10	10	36	20	3AW-15-10	10	39	22
3AW-12-8	8	35	19	3AW-15-8	8	37	21
3AW-12-6	6	33	18	3AW-15-6	6	36	20
18" Overall Width				24" Overall Width			
3AW-18-20	20	52	28	3AW-24-28	28	63	34
3AW-18-18	18	49	27	3AW-24-24	24	59	32
3AW-18-16	16	46	25	3AW-24-20	20	55	30
3AW-18-14	14	44	24	3AW-24-18	18	53	29
3AW-18-12	12	41	22	3AW-24-16	16	51	28

Curve Degree	Frame Type	12" OAW 48" Outside Radius		15" OAW 48" Outside Radius		18" OAW 48" Outside Radius		24" OAW 60" Outside Radius	
		Model Number	Wt. (Lbs.)	Model Number	Wt. (Lbs.)	Model Number	Wt. (Lbs.)	Model Number	Wt. (Lbs.)
90°	Steel	SWC-12-90	40	SWC-15-90	46	SWC-18-90	49	SWC-24-90	72
60°		SWC-12-60	30	SWC-15-60	35	SWC-18-60	37	SWC-24-60	54
45°		SWC-12-45	21	SWC-15-45	23	SWC-18-45	25	SWC-24-45	37
30°		SWC-12-30	14	SWC-15-30	16	SWC-18-30	18	SWC-24-30	23
90°	Aluminum	AWC-12-90	22	AWC-15-90	26	AWC-18-90	28	AWC-24-90	43
60°		AWC-12-60	17	AWC-15-60	20	AWC-18-60	21	AWC-24-60	33
45°		AWC-12-45	12	AWC-15-45	14	AWC-18-45	15	AWC-24-45	23
30°		AWC-12-30	8	AWC-15-30	9	AWC-18-30	10	AWC-24-30	14

Skatewheel curves

Gravity Skatewheel Curves add to the versatility of straight conveyors and provide excellent package orientation because of the differential action of the wheels. Curves convey product with minimum amount of pitch based on weight and size.

Width (In.)		Wheels Per Foot	Frame	30° Straight Spur		45° Straight Spur		90° Curve Spur	
Rail	Overall			Model No.	Wt.	Model No.	Wt.	Model No.	Wt.
10"	12"	12	Steel	SWS-12-30	39	SWS-12-45	39	SWS-12-90	67
13"	15"	16		SWS-15-30	43	SWS-15-45	43	SWS-15-90	72
16"	18"	18		SWS-18-30	47	SWS-18-45	47	SWS-18-90	77
22"	24"	24		SWS-24-30	57	SWS-24-45	57	SWS-24-90	107
10"	12"	12	Aluminum	AWS-12-30	26	AWS-12-45	26	AWS-12-90	45
13"	15"	16		AWS-15-30	29	AWS-15-45	29	AWS-15-90	47
16"	18"	18		AWS-18-30	32	AWS-18-45	32	AWS-18-90	51
22"	24"	24		AWS-24-30	38	AWS-24-45	38	AWS-24-90	71

Skatewheel Spurs

Used to transfer products from one conveying line to another. They can be used in merging or diverging applications. They are ideally used where numerous lines must transfer onto a main line. Right or Left hand available.



Delivery Truck Conveyor stows in vehicles for ergonomic unloading - perfect for loading or unloading packages from a truck, package delivery van, or other vehicles

Ergonomic gravity rollers easily convey packages between vehicles and docks. These lightweight aluminum conveyors are an excellent ergonomic enhancement for delivery services and other vehicle fleets where loads must be moved from a vehicle to a dock or down to a floor level. Conveyor folds to half-size for easy storage, has built-in handles and can be carried by one person. Utilized by major delivery companies to reduce injuries and back stress.

Contact us for assistance purchasing a delivery conveyor.

Gravity roller conveyors in steel & aluminum - straight sections

Gravity roller conveyor can carry heavier items than skatowheel conveyor. They are useful in setting up permanent or temporary conveyor lines in warehousing activities, shipping departments, assembly areas, etc. A majority of products will convey with a minimum amount of pitch. Available in steel and aluminum frame types, dependent on roller size.

- Lengths: 5' or 10' sections standard, other lengths available

Rollers:

- 1-3/8" dia. x 18 gauge. Steel & aluminum frames
- 1.9" dia. rollers available in 16 and 9 gauge. Steel frames.
- 2" dia. x 12 ga. Steel frames. Steel frames.
- 2-1/2" dia. x 14 and 11 gauge. Steel frames.



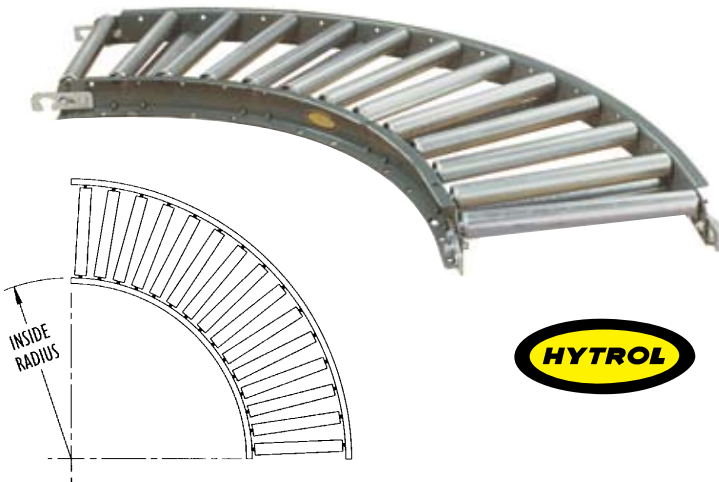
Gravity roller conveyor curve sections

Gravity Roller curves add to the versatility of straight conveyors. Curves provide smooth product flow with minimum amount of pitch based on weight and size. Guard rails may be added for product protection. Some curves provided with tapered tread rollers to maintain product orientation.

- Lengths-5' or 10' sections standard, other lengths available
- Available in 45 degree and 90 degree curves

Rollers:

- 1-3/8" dia. x 18 ga.
- 1.9" diameter: 16, 9, & 16 gauge tapered
- 2" dia. x 12 gauge
- 2-1/2" dia.: 14 & 11 gauge
- 2-5/8" dia.: 7-ga. & 11-ga. tapered



When possible, utilize gravity conveyors in place of power to conserve energy

Gravity roller conveyor spur sections

Gravity Roller spurs are used to transfer products from one conveying line to another. They can be used in merging or diverging applications. They are ideally used where numerous lines must transfer onto a main conveyor line, from work stations or other similar operations.

Sizes & attributes

- Lengths-5' or 10' sections standard, other lengths available
- Available in 90°, 45° & 30° spurs
- Spurs available straight and curved.
- Right or Left hand applications available

Rollers available

- 1-3/8" dia. x 18 ga.
- 1.9" dia.: 16 ga. straight & tapered; 9 gauge
- 2" dia. x 12 ga.
- 2-1/2" dia. x 14 ga. & 11 ga. straight & tapered
- 2-5/8" dia. x 7 ga.



Flexible skatewheel conveyor is perfect for shipping docks, stockrooms, or receiving operations

Model Number	Cap. (Lbs.)	Width (In.)	Length (Feet)	Leg Sets	Wt. (Lbs.)
BFU-14-12-5	175	14"	3'-12'	4	137
BFU-14-20-5			5'-20'	6	217
BFU-14-24-5			6'-24'	7	259
BFU-14-30-5			7.5'-30'	9	325
BFU-14-36-5			9'-36'	11	392
BFU-18-12-5		18"	3'-12'	4	149
BFU-18-20-5			5'-20'	6	236
BFU-18-24-5			6'-24'	7	282
BFU-18-30-5			7.5'-30'	9	353
BFU-18-36-5			9'-36'	11	425
BFU-24-12-5		24"	3'-12'	4	163
BFU-24-20-5			5'-20'	6	260
BFU-24-24-5			6'-24'	7	310
BFU-24-30-5			7.5'-30'	9	388
BFU-24-36-5			9'-36'	11	467
BF200-18-12		200	18"	3'-12'	4
BF200-18-16	4'-16'			5	226
BF200-18-20	5'-20'			6	282
BF200-18-24	6'-24'			7	338
BF200-24-12	24"		3'-12'	4	197
BF200-24-16			4'-16'	5	256
BF200-24-20			5'-20'	6	320
BF200-24-24			6'-24'	7	384
BF200-30-12	30"		3'-12'	4	225
BF200-30-16			4'-16'	5	270
BF200-30-20			5'-20'	6	338
BF200-30-24			6'-24'	7	406
BF300-18-12	300	18"	4'-12'	4	184
BF300-18-16			5' 4"-16'	5	245
BF300-18-20			6' 8"-20'	6	307
BF300-18-24			8'-24'	7	357
BF300-24-12		24"	4'-12'	4	251
BF300-24-16			5' 4"-16'	5	332
BF300-24-20			6' 8"-20'	6	415
BF300-24-24			8'-24'	7	498
BF300-30-12		30"	4'-12'	4	276
BF300-30-16			5' 4"-16'	5	364
BF300-30-20			6' 8"-20'	6	455
BF300-30-24			8'-24'	7	546

Flexible gravity skatewheel conveyor is perfectly suited for packaging lines and lighter volume shipping & receiving applications. With a capacity ratings from 175 to 300 pounds per linear foot, it can still handle the load.

Allows you to easily adjust height and length

Conveyor features 12-gauge side plates, zinc-plated to resist corrosion. To extend service life, the adjustable legs are heavy-duty square tube construction, and the steel axles are sturdy zinc plated to provide full support across the entire conveyor width. It's easy to adjust the conveyor bed height—simply turn the locking knob to raise and lower (range from 28.5" to 41.5"). Conveyor is self-tracking. Cartons follow twists and turns of the conveyor path without using engineered curves. It's fitted with a 5" swivel caster (including break) on each leg for easy transportability. The brakes allow the conveyor to be locked securely into place when in use. The distance between axle centers when the conveyor is expanded is 5".

Flexible conveyor features

- Aluminum extruding scissors frame for long conveyor life
- Adjustable, telescoping supports make it easy to change conveyor height
- 5" Swivel casters with swivel locks make sure it's easy to roll where you want
- 4 Supports per Axle minimum
- Axle centers are 5" when expanded for excellent load support
- Optional 3" & 4" axle centers are available—contact us for assistance
- Conveyor height is easily adjustable from 28-1/2" to 42-1/2"
- Extended lengths: available in any length you desire. Contact us for assistance

NOTES:

1) You can specify black poly or steel skatewheels when you order. Choose (a) black polyolefin skatewheels with brass bushing, which are more economical than steel. They are more resistant to wet applications or moisture. They aren't quite as durable, but will work fine in many applications, or (b) Steel Skatewheels with ball bearings, which are more durable, last longer, and roll easier. Choose them for applications when heavier cartons could be thrown onto, or rapidly pulled off of the conveyor. If you are uncertain about your skatewheel material needs, contact us.

2) Listed capacities are pounds per lineal foot.

3) Wheels per axle/width: Light duty (175 lb.)—14": 5; 18": 6; 24": 7. Medium duty (200 lb.)—18": 7; 24": 9; 30": 10. Heavy duty (300 lb.)—18": 7; 24": 9; 30": 10.

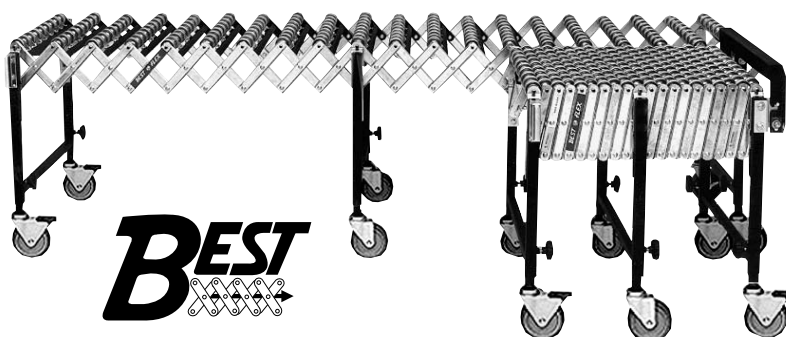


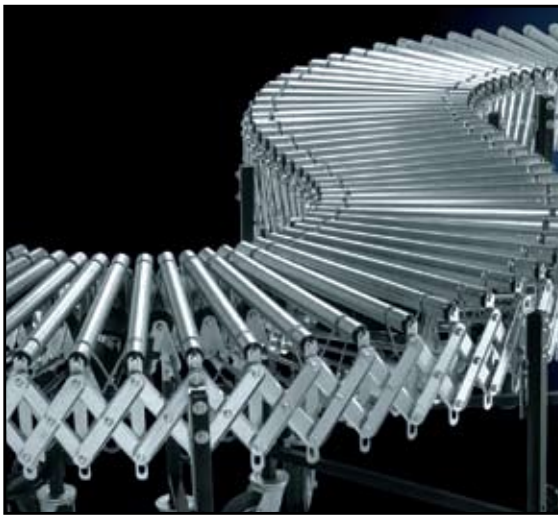
When possible, utilize gravity conveyors in place of power to conserve energy



Accessories & options

Package stops (left), impact support section, leg/axle connection brackets, 3" and 4" axle centers are available for small package applications, larger 6" casters, impact carts for the infeed or discharge end. Powertrax can be specified to move conveyors into & out of trucks.





Handle odd-shaped boxes, bags, & low-grade cartons with expandable roller conveyors

Built with 1-3/8" zinc plated steel rollers that feature sealed bearings for longer life. It's self-tracking—cartons follow the twists and turns of the conveyor path without side rails or engineered curves. Features 1-1/2" aluminum alloy side plates with ribbed construction for added durability. Assembled with shoulder bolts—no flimsy rivets.



When possible, utilize gravity conveyors in place of power to conserve energy

- Each leg is fitted with a 5" swivel caster & brake that roll easily and lock into place while the conveyor is in use
- Heavy-duty square legs mean a longer service life
- Easy height adjustment: turn the locking knob to raise and lower the conveyor bed height on telescoping legs
- Conveyors adjust from 28.5" to 41.5" to top of rollers
- Distance between axle centers when is expanded is 5"

Model Number	Width (Inches)	Adjustable Length (Ft.)	Cap. (Lbs.)	No. of Legs	Wt. (Lbs.)
B-FR-18-12	18"	4' to 12'	150 lbs. per foot	4	225
B-FR-18-16		5' 4" to 16'		5	290
B-FR-18-20		6' 8" to 20'		6	360
B-FR-18-24		8' to 24'		7	425
B-FR-24-12	24"	4' to 12'		4	240
B-FR-24-16		5' 4" to 16'		5	305
B-FR-24-20		6' 8" to 20'		6	375
B-FR-24-24		8' to 24'		7	440
B-FR-30-12	30"	4' to 12'		4	255
B-FR-30-16		5' 4" to 16'		5	320
B-FR-30-20		6' 8" to 20'		6	390
B-FR-30-24		8' to 24'		7	455

Model Number	Width (Inches)	Adjustable Length	No. of Legs	Wt. (Lbs.)
1.5" dia. rollers • 31.5" to 44.5" Height Range				
B-FP-1_5-18-12	18"	4' to 12'	5	320
B-FP-1_5-18-24		8' to 24'	8	635
B-FP-1_5-18-36		12' to 36'	11	950
B-FP-1_5-18-48		16' to 48'	14	1265
B-FP-1_5-24-12	24"	4' to 12'	5	375
B-FP-1_5-24-24		8' to 24'	8	745
B-FP-1_5-24-36		12' to 36'	11	1120
B-FP-1_5-24-48		16' to 48'	14	1490
B-FP-1_5-30-12	30"	4' to 12'	5	430
B-FP-1_5-30-24		8' to 24'	8	860
B-FP-1_5-30-36		12' to 36'	11	1285
B-FP-1_5-30-48		16' to 48'	14	1715
1.9" dia. rollers • 28.5" to 37.25" height Range				
B-FP-1_9-18-12	18"	4.8' to 12'	5	370
B-FP-1_9-18-24		9.7' to 24'	8	740
B-FP-1_9-18-36		14.5' to 36'	11	1105
B-FP-1_9-18-48		19.3' to 48'	14	1475
B-FP-1_9-24-12	24"	4.8' to 12'	5	410
B-FP-1_9-24-24		9.7' to 24'	8	820
B-FP-1_9-24-36		14.5' to 36'	11	1230
B-FP-1_9-24-48		19.3' to 48'	14	1640
B-FP-1_9-30-12	30"	4.8' to 12'	5	450
B-FP-1_9-30-24		9.7' to 24'	8	900
B-FP-1_9-30-36		14.5' to 36'	11	1350
B-FP-1_9-30-48		19.3' to 48'	14	1800

Power flexible conveyor runs smoothly with no dead spots—power is transmitted to every roller



Power roller flexible conveyor is ideally suited for truck loading and unloading, distribution centers, packaging, portable assembly lines, shipping and receiving operations. It runs smoothly with no dead spots—power is transmitted to every roller by durable polyurethane belt similar to line shaft conveyors. Zinc plated rollers constructed with solid steel axle and precision bearings for performance and long term reliability. Features 1-1/2" aluminum alloy side plates with



ribbed construction for added durability. Each leg is fitted with a 6" x 2" swivel caster & brake that roll easily and lock into place while conveyor is in use. Heavy duty square legs mean a longer service life.

Drive Motor Specifications: Line speed is infinitely adjustable from 0 to 120 feet per minute. Multiple drive motors are standard. Amps: approximately 3 amps per 12 feet of conveyor. DC drive motors with 110 volts AC converter; 220 optional. Motor rated for continuous duty cycle. Stop/Start cycle: 300 times per hour. Features drive pulleys with precision bearings, which are safer; more durable, and transfer more power to the rollers. Control box is located in the middle of the conveyor. You can adjust line speed from 0 to 120 feet per minute. On/off switch located at both ends of the conveyor for easy access. Conveyor is reversible at the flip of a switch. No special wiring is needed.

Easily mount & adjust photo-eyes, scanners, reflectors & other devices to conveyors



Adjustable bracket bolts to the side of any conveyor and is ideal for mounting photoeyes, scanners, reflectors, proximity switches, and other automation devices. Built with adjustable, slotted holes on the mounting plate and bracket for easy mounting of scanners and other equipment without drilling. The key to this photoeye bracket is its 4-axis adjustability - 7" adjustment on the device arm and 9" adjustment on the cross mounting bracket arm plus full rotation of each piece. You can easily raise, lower, or rotate the device as necessary.



LS, HS & MS "H" type conveyor supports

Type MS & LS supports offer a broad range of sizes and adjustability. Specify top-of-belt or roller elevation and the conveyor model for support attachment. Each bed joint and end of conveyor requires a floor support. Must be lagged to floor (holes are pre-drilled).

Supports information

- 1) Specify overall conveyor width when you order. Also specify exact elevation to top of roller or belt.
- 2) Capacities: LS & MS: 1,500 pounds each. HS: 3,000 pounds.
- 3) HS style is 10-gauge. MS & LS are 12-ga. All-welded frames.
- 4) Supports have adjustable pivot plates.
- 5) Casters are available for mobility.

Adjustable tripod stands



Adjustable tripod Stands are used with straight or curved gravity skatewheel and 1-3/8" dia. roller conveyor. Optional leg angles can be supplied to fasten stand to floor. Do not shock load.

- 1) Capacities: 350 lbs. with 180 pounds of torque on locking screw.
- 2) Height adjustment ranges: 12"-18", 18"-30", 24"-40", 30"-52", 40"-72", 60"-110".



Ceiling hangers free up floor space

Ceiling Hangers provide safe and sturdy means of gaining high conveyor elevations. Used when maximum utilization of floor space is needed or when required height exceeds floor support capability. 5/8" dia. fully threaded steel rods connect to 1-1/2 in. I.D. (1/9 in. O.D.) support which bolts to underside of conveyor with "U" brackets. Ceiling Hangers can be supplied with gravity or powered conveyors. It is recommended that guard rails be used on conveyors that are ceiling hung.



Poly-tier supports let you set up multilevel conveyor lines



Sturdy support for multi-level conveyor lines. Heights available from 36" to 120" in 6" increments. 1-1/2" I.D. (1.9" O.D.) crosspipe assembly mounted to 1-3/4" x 4" x 7 ga. steel legs. Capacity: 1500 lbs. per crosspipe; 4500 lbs. per set of legs. Supplied for overall conveyor widths from 10" to 42". Knee braces are supplied to provide extra stability to support. Capacities: 1,500 lbs. per cross pipe, 4,500 lbs. per set of legs.



Portable Castered Support

Portable supports allow straight sections of gravity skatewheel or 1-3/8" dia. roller conveyor to be easily moved. Curved portable supports are also available.

Make your overhead & suspended conveyor safer with safety netting guards

Wherever there are overhead conveyors, injury to personnel and damage to products are ever-present dangers. If a conveyor suddenly stops, or an item is slotted too near the edge, it can fall—but conveyor safety netting is ready for a soft catch. It protects people from things standard conveyor guardrails cannot, like falling pieces of conveyor, or large cartons that escape the limited reach of fixed guardrails. It'll even catch a conveyor roller if one happens to fall. **IMPORTANT: Many other sizes and styles available.**

Safety guard standard sizes

Model Number	Netting Type	Cap. (Lbs.)	W x L (Feet)	Wt. (Lbs.)
SAFTNET-130108300	Box-Shaped	1,000	9'W x 25'L	12
SAFTNET-130108600			9'W x 50'L	24
SAFTNET-130036300	Single-Panel		3'W x 25'L	5
SAFTNET-130036600			3'W x 50'L	10

Hardware for safety guards

Model Number	Hardware Type	Wt. (Lbs.)
SAFTNET-20001	Box-Shaped, 25' or 50' Run	50
SAFTNET-20002	Single-Panel, 25' or 50' Run	33
SAFTNET-HWX0050	J-Guide for 5/8" or 1/2" Threaded Rod	2



Features a knotless, sewn border and 1" square mesh nylon, fire retardant NFPA 701 specifications. Mesh twine has 190 lbs. tensile breaking strength. Border rope is .170 dia. with 1,200 lbs. tensile breaking strength. Color: Black. Important: You must order one conveyor hardware kit for each net ordered. See Conveyor Hardware Kits for more information.

Conveyor gates allow easy pass-through and access to lines



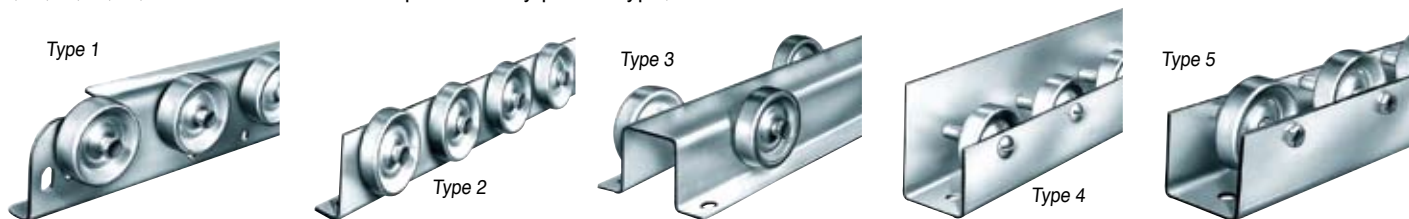
Manual Gates are available for use with a variety of conveyors. Gates provide a passageway for personnel, lift trucks, and other equipment.

Spring Balanced Gates can be used with several types of gravity wheel and roller conveyor. Gates provide a passageway for personnel, lift trucks, and other equipment. Tension springs are easily adjusted to provide minimum weight lift.

New powered gate: Powered roller technology, top flange mounted stops, and full-length handle for easy operation. Use for non-reversing operations only. Requires 115V or 230V single-phase electrification.

Mount conveyor rails to floor, or in storage racks for carton or pallet flow

Wheel conveyor rails are constructed of standard skatewheels mounted to various angle-channel configurations. They provide a means of economical mobile storage systems. Can be mounted on floor level or in storage flow racks. Rails are 12 gauge painted steel. Sizes: 3', 4', 5', 6', 7', 8', & 10' standard sizes. Capacities vary per rail type; contact us for assistance.



Easily rotate, transfer and position items with ball transfer tables



Ball transfer tables are used when products are required to be manually rotated or correctly positioned. Ball Transfer Tables are also used when two or more conveyor lines converge and packages must be transferred from one line to another. They are excellent for many workstation, packaging, or in-process applications where workers must position items for the next step.

2.5" Frames Listed

Listed models have 2.5" 12-gauge frames and are used with skatewheel and 1-3/8" roller conveyors (light duty). Capacity up to 270 pounds. For other conveyors, or for heavier capacities, utilize 3.5" frame models (see our website or contact us).

NOTES:

- 1) 1" Dia. Ball Casters
- 2) Pictured with optional support legs.
- 3) Contact us for 3.5" channel frame models, or see our website for pricing & details

Model Number	Overall Width	Length (Ft.)	Ball Centers	Wt. (Lbs.)
BTT-25-10-3-1L	12"	1'	3"	15
BTT-25-10-4-1L	12"	1'	4"	13
BTT-25-10-3-2L	12"	2'	3"	30
BTT-25-10-4-2L	12"	2'	4"	26
BTT-25-10-3-3L	12"	3'	3"	45
BTT-25-10-4-3L	12"	3'	4"	38
BTT-25-10-3-4L	12"	4'	3"	60
BTT-25-10-4-4L	12"	4'	4"	51
BTT-25-10-3-5L	12"	5'	3"	75
BTT-25-10-4-5L	12"	5'	4"	64
BTT-25-13-3-1L	15"	1'	3"	18
BTT-25-13-4-1L	15"	1'	4"	15
BTT-25-13-3-2L	15"	2'	3"	36
BTT-25-13-4-2L	15"	2'	4"	31
BTT-25-13-3-3L	15"	3'	3"	54
BTT-25-13-4-3L	15"	3'	4"	46
BTT-25-13-3-4L	15"	4'	3"	72
BTT-25-13-4-4L	15"	4'	4"	61
BTT-25-13-3-5L	15"	5'	3"	90
BTT-25-13-4-5L	15"	5'	4"	77
BTT-25-16-3-1L	18"	1'	3"	21
BTT-25-16-4-1L	18"	1'	4"	18
BTT-25-16-3-2L	18"	2'	3"	42
BTT-25-16-4-2L	18"	2'	4"	36
BTT-25-16-3-3L	18"	3'	3"	63
BTT-25-16-4-3L	18"	3'	4"	54
BTT-25-16-3-4L	18"	4'	3"	84
BTT-25-16-4-4L	18"	4'	4"	72
BTT-25-16-3-5L	18"	5'	3"	105
BTT-25-16-4-5L	18"	5'	4"	90
BTT-25-22-3-1L	24"	1'	3"	27
BTT-25-22-4-1L	24"	1'	4"	22
BTT-25-22-3-2L	24"	2'	3"	54
BTT-25-22-4-2L	24"	2'	4"	44
BTT-25-22-3-3L	24"	3'	3"	81
BTT-25-22-4-3L	24"	3'	4"	65
BTT-25-22-3-4L	24"	4'	3"	108
BTT-25-22-4-4L	24"	4'	4"	87
BTT-25-22-3-5L	24"	5'	3"	135
BTT-25-22-4-5L	24"	5'	4"	109

Utilize lane-free product flow & heavy-duty capacity with Skatewheel Flow Racks

Allows you to slot products anywhere it will fit on the flow shelf - great for manufacturing and distribution applications

Flow racks utilize heavy-duty skatewheel conveyor instead of flow rails or tracks. You can flow-store any item that will fit anywhere on the rack. You don't have to flow product down in a particular "lane"; it can go anywhere within the width of the conveyor shelf and move side to side as you see fit. Skatewheel conveyor is stronger than flow rails, so it can carry more weight. Drop-together construction makes it fast and easy to install. Flow track gravity racks are great for applications, but for those requiring higher capacity, more flexibility, and a high degree of rollability. Adjust shelves easily, without tools.

Model Number	W x D Nominal (Inches)	No. Shelves	No. Lanes*	Cap. Shelf (Lbs.)	Cap. Total (Lbs.)	Wt. (Lbs.)
FR7-72-60-3	72w x 60d	3	3	3750	11250	803
FR7-72-72-3	72w x 72d			558	1674	913
FR7-72-96-3	72w x 96d			744	2232	1,165
FR7-72-108-3	72w x 108d			837	2511	1,291
FR7-72-120-3	72w x 120d			930	2790	1,417
FR7-72-60-4	72w x 60d	4	3	3750	15000	1,021
FR7-72-72-4	72w x 72d			558	2232	1,164
FR7-72-96-4	72w x 96d			744	2976	1,482
FR7-72-108-4	72w x 108d			837	3348	1,641
FR7-72-120-4	72w x 120d			930	3720	1,800
FR7-96-60-3	96w x 60d	3	4	5000	15000	1,014
FR7-96-72-3	96w x 72d			744	2232	1,158
FR7-96-96-3	96w x 96d			992	2976	1,475
FR7-96-108-3	96w x 108d			1116	3348	1,634
FR7-96-120-3	96w x 120d			1240	3720	1,793
FR7-96-60-4	96w x 60d	4	4	5000	20000	1,302
FR7-96-72-4	96w x 72d			744	2976	1,490
FR7-96-96-4	96w x 96d			992	3968	1,895
FR7-96-108-4	96w x 108d			1116	4464	2,098
FR7-96-120-4	96w x 120d			1240	4960	2,301
FR7-120-60-3	120w x 60d	3	5	5726	18750	1,874
FR7-120-72-3	120w x 72d			930	2790	2,050
FR7-120-96-3	120w x 96d			1240	3720	2,434
FR7-120-108-3	120w x 108d			1395	4185	2,626
FR7-120-120-3	120w x 120d			1550	4650	2,818
FR7-120-60-4	120w x 60d	4	5	5726	22580	2,449
FR7-120-72-4	120w x 72d			930	3720	2,680
FR7-120-96-4	120w x 96d			1240	4960	3,174
FR7-120-108-4	120w x 108d			1395	5580	3,420
FR7-120-120-4	120w x 120d			1550	6200	3,667
FR7-144-60-3	144w x 60d	3	6	3988	22500	2,090
FR7-144-72-3	144w x 72d			1116	3348	2,300
FR7-144-96-3	144w x 96d			1488	4464	2,749
FR7-144-108-3	144w x 108d			1674	5022	2,974
FR7-144-120-3	144w x 120d			1860	5580	3,516
FR7-144-60-4	144w x 60d	4	6	3988	22580	2,737
FR7-144-72-4	144w x 72d			1116	4464	3,012
FR7-144-96-4	144w x 96d			1488	5952	3,594
FR7-144-108-4	144w x 108d			1674	6696	3,885
FR7-144-120-4	144w x 120d			1860	7440	4,176

* Lanes denote the number of skatewheel sections per level. The racks do not confine a stored product to a single "lane" - it can be shifted across skatewheel conveyor sections.



Applications

Heavy duty racks are especially popular in the automotive manufacturing industry, and manufacturing in general. Strength, rollability and high capacities make them ideal for work-in-process, assembly lines, warehouses, and other areas where dense flow storage of cartons, containers, and other bulk items is required.



Sizes & Configurations

Only some available sizes are listed. Standard sizes include:

- All racks are 84" tall
- Nominal widths: 24", 48", 72", 96", 120", 144". Actual widths are approximately 7" wider; (from 1 to 6 lanes wide)
- Depths: 60", 72", 96", 108", and 120"
- 3, 4 and 5 shelf levels (5-shelf units not listed)
- Finish: Green. Others available

Gravity flow rack delivers picking efficiency & palletized storage overhead in an 8' x 8' footprint

Pallet racks that utilize carton flow tracks are an excellent way to mix slow and fast-moving items in the same storage footprint. Overhead pallet storage bulk quantities are easily transferred to picking operations. Placed along a line of conveyors or used with cart-based picking, flow racks provide a solid wall of pick faces for easy access.

Concentrates many pick faces, plus bulk storage into just a little floor space

Gravity flow modules work best for multiple-item orders, when average supply holding time is minimal, and when item weight is important. First-in, first-out storage gives you automatic inventory rotation. Whether you need a bay or two of flow storage or a long row of gravity-driven pick faces with pallet storage above, utilizing rack-mounted flow storage gives you the flexibility to change and reconfigure as needed—add, move, or remove shelves & lanes as needed.

Many configurations available - full modules or retrofitted existing racks

- Replenish stock from behind while picking at the front. 3 times as fast as static shelving
- High degree of selectivity means you can access pallets and totes easily
- Low-Profile carton flow track nests between the front and rear pallet rack beams by use of hangers, providing full use of vertical space and smooth carton flow

H x W x D (Feet)	Flow Shelves	Lanes Total	Pallet Levels	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
8 x 8 x 8	4	24	1	UPM-888-4-ST	1,096	UPM-888-4-AD	987
8 x 8 x 8	3	18	1	UPM-888-3-ST	902	UPM-888-3-AD	794
14 x 8 x 8	4	24	2	UPM-1488-4-ST	1,319	UPM-1488-4-AD	1,146
14 x 8 x 8	3	18	2	UPM-1488-3-ST	1,135	UPM-1488-3-AD	962



Pick from gravity-flow bays in exactly the configuration you need

Create bays of exactly the depth you need for maximum picking efficiency. Low profile full-width roller flow track drops right into rack. It's easy to insert or reposition.



Hangers built in for no-sweat, no-hardware, no-tools assembly

Hangers are built in, so you don't have to deal with separate hardware. This patent-pending beam makes it easy to assemble, move and reconfigure racks. Slotted Uprights have keystone design for quick assembly—just click the boltless beams into place and connect the flow tracks.

W x D x H (Inches)	Shelf Levels	Flow Lanes	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
60D x 60W x 96H	3	4	UX-34606096-S	358	UX-34606096-A	322
60D x 60W x 96H	4		UX-44606096-S	453	UX-44606096-A	417
60D x 96W x 96H	3	6	UX-36609696-S	504	UX-36609696-A	468
60D x 96W x 96H	4		UX-46609696-S	648	UX-46609696-A	612
96D x 60W x 96H	3	4	UX-34966096-S	537	UX-34966096-A	468
96D x 60W x 96H	4		UX-44966096-S	660	UX-44966096-A	591
96D x 96W x 96H	3	6	UX-36969696-S	740	UX-36969696-A	672
96D x 96W x 96H	4		UX-46969696-S	926	UX-46969696-A	858

Features

- Built-in hangers firmly position track, preventing left/right track shifting.
- Row spacers connect uprights for longer runs, deeper bays. Starters connect to adders by utilizing common posts.
- Slotted uprights have keystone design for quick assembly—just snap the beams in
- Listed models utilize low profile Span Track
- Finish: Basic blue



Low profile carton flow track nests between rack beams for maximum vertical storage

Low Profile saves vertical space for higher density live storage. Listed from 43" to 96" deep —sizes from 36" to 144" available

Model Number	Depth (Inches)	Track Width	Roller Center	Wt. (Lbs.)
LowPro92x43-48	43 to 48	9	2	10
LowPro93x43-48			3	10
LowPro122x43-48		12	2	13
LowPro123x43-48			3	11
LowPro92x49-54	49 to 54	9	2	12
LowPro93x49-54			3	12
LowPro122x49-54		12	2	14
LowPro123x49-54			3	13
LowPro92x55-59	55 to 59	9	2	13
LowPro93x55-59			3	13
LowPro122x55-59		12	2	15
LowPro123x55-59			3	14
LowPro92x61-66	61 to 66	9	2	14
LowPro93x61-66			3	14
LowPro122x61-66		12	2	16
LowPro123x61-66			3	14
LowPro92x67-72	67 to 72	9	2	16
LowPro93x67-72			3	15
LowPro122x67-72		12	2	17
LowPro123x67-72			3	16
LowPro92x73-78	73 to 78	9	2	17
LowPro93x73-78			3	17
LowPro122x73-78		12	2	19
LowPro123x73-78			3	17
LowPro92x79-84	79 to 84	9	2	18
LowPro93x79-84			3	18
LowPro122x79-84		12	2	20
LowPro123x79-84			3	19
LowPro92x85-90	85 to 90	9	2	20
LowPro93x85-90			3	19
LowPro122x85-90		12	2	22
LowPro123x85-90			3	19
LowPro92x91-96	91 to 96	9	2	21
LowPro93x91-96			3	20
LowPro122x91-96		12	2	22
LowPro123x91-96			3	20



Low profile carton flow track nests between beams, with the roller profile below that of the beams, making the front beam a carton stop. This is an excellent choice to maximize vertical space, since the track itself takes up little or no top-to-bottom space. Depths ranging from 43" to 96", which will fit many of the most common rack sizes. If your between-beam dimension falls into a range outside our offering, contact us.

Drop-in design for easy addition to existing rack without tools

Choose the depth range for your rack based on *Between-Beam Dimension*, which is the level distance between the innermost portion of the front and rear load beam. Your track should equal that dimension. Tracks are fully adjustable left and right. If more than one length will fit, you should select the beam that provides the most "range" for your application. Features a 7-year warranty and it's built to last with galvanized steel side channels and full-width aluminum rollers that provide for carton stacking if needed.

Notes & Specifications

- Up to 50 lbs./ft. capacity. See individual models for details
- 9" and 12" lane widths are listed, but you can contact us for 6" and 15" widths. All widths are nominal (add 3/4" for actual)
- Track widths: unsupported spans from 4' to 10' in 1" increments are available. We list a limited range of tracks, but custom sizes are available —contact us for assistance
- We can provide virtually any track depth, cut to the inch, between 36" and 144", in 9", 12" and 15" (not listed) widths as standard items
- 2 Hangers (one front, one back) must be ordered with each track. Hangers are available for structural, formed and step beams. Front hanger acts as a front end stop; rear hanger absorbs shock of impact loading. Both ends feature 1-1/2" label holders built into hangers
- Easy installation requires one worker, two steps and no tools. Simply install hangers, then align beams to them



Hangers (we can help you specify your hanger)

Tracks must be installed onto beams with hangers—no tools needed. This gives you flexibility to easily move the flow tracks around when you need to.

Model Number	Beam Type	Height (Inches)	Width (Inches)	Wt. (Lbs.)
98H1-9	Step Beam	2½"	9"	0.6
98H1-12		2½"	12"	0.8
98H2-9		2¾"	9"	0.6
98H2-12		2¾"	12"	0.8
98H3-9	Structural Channel Beam	3"	9"	0.6
98H3-12		3"	12"	0.8
98H4-9		4"	9"	0.6
98H4-12		4"	12"	0.8
98H0-9	Custom - for Step & Box Beams	n/a	9"	1.7
98H0-12		n/a	12"	2.3

High Profile carton flow tracks install on top of beams for the most flexibility

Tracks can overhang the front or back to maximize the use of linear space - simple and fast to adjust left/right, front/back

High profile Span Track is typically used in loose-pick applications or where contouring is preferred. Full-width rollers provide total carton support and consistent carton flow. The fully adjustable track provides complete flexibility to slot or re-profile carton flow to match SKU's. Like all Span Track, High Profile carton flow eliminates flimsy carton rails and replaces them with sturdy roller tracks, reducing replacement costs and increasing productivity.

Product Notes

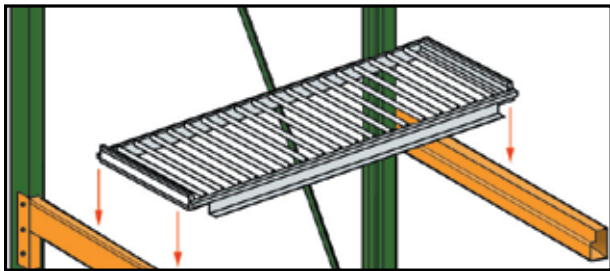
- For applications with pallet storage above carton flow, a flush face (no overhang) is required to avoid fork truck damage to the track while loading and unloading pallets
- Track mounts to beam by use of 14-gauge, galvanized retainer angle and lock arm. Retainer angle is attached on the outside front & back of the rack beam and a lock arm secures it in place. It's the same width as the rack beam. Tracks can be adjusted front to back, left to right, and can be positioned flush or over-hanging. Order two retainer angles per shelf level
- Track sections each have a front end stop, a rear load impact bar, & built in label holders
- 7-Year manufacturers warranty
- Galvanized steel side channels, 3/4" diameter, full-width aluminum rollers
- 3' to 12' Lengths in "to-the-inch" cuts
- High profile is designed to exceed your rack's Out-to-Out dimension, the level distance from to outside of the front load beam to the outside of the rear load beam. The track you order must exceed this dimension. We can assist you in configuring your tracks.
- 6", 9", 12" and 15" Nominal Widths. Actual width of track is 3/4" greater than nominal
- Available in 1", 2" and 3" roller centers. Load Capacity up to 50 lbs. per foot



Deck Span Track drops between the beams of single deep rack for insta-flow rack

Just add rack to create instant live flow storage—no tools, no hangers needed because it fits directly on rack beams

Deck Span Track transforms single-deep pallet rack into gravity flow, which always keeps stored product at the pick face without hang-ups or dead space. The track installs between pallet rack beams without shelves, hangers or retainers—all without tools. Track fits firmly on front and rear beams for the absolute easiest "drop-in" installation for single-deep racks.



Deck track fits most standard pallet rack beams. The inset cut of side channels at front and rear sits on beams and keeps the track securely in position. (If you aren't sure of your beams, contact us). 7-Year warranty means it's built to last. Galvanized steel side channels and aluminum rollers require minimal maintenance or replacement.



Product Notes

- The critical dimension for ordering Deck Span Track is the Out-to-Out Beam Dimension. This is the level distance from the outside to outside of the front and rear uprights. Your track length must equal this measurement. Standard sizes match most common rack frame depths. If you cannot match a size to your rack, or if you have other questions about configuration, contact us
- Fits brads and pallet rack beam styles. "Inset" cut of side channels at front and rear sits on beams and keeps track in its position
- 2'6", 3', 3'6", 4', 4'6" and 5' deep sizes to fit standard rack sizes
- Built-in carton stops and label holders at both ends
- 6", 9", 12" and 15" nominal widths. Actual width of track is 3/4" greater than nominal.
- Available in 1", 2" and 3" roller centers. Load Capacity up to 50 lbs. per foot

SPAN-TRACK
by UNEX®

FlowCell lets you create workstations that combine ergonomic efficiency with gravity flow—anywhere you need, nearly any size you need

Create modular workstations that combine ergonomic efficiency with gravity flow. Easy setup, installation, and maintenance combine with flexibility to allow you to increase the efficiency of manufacturing, assembly, shipping, or distribution operations.

Create work cell efficiency with modular, easily-configured FlowCell system

“Mix & match” components make it easy to create ergonomic stations ideal for picking, assembly or line side storage. You can have more than one kind of flow track in the same unit for complete flexibility. No-nonsense design allows easy, quick assembly without special tools or expertise.

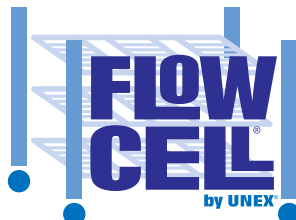
Components

- **Posts:** 4 (minimum) per cell. Available 3 ft –7 ft in 6 increments. Posts ship with foot plate. Casters (optional) are 4 diameter—rigid or swivel.
- **Beams:** Front, back & side beams are interchangeable. Available 1 ft –6 ft in 6 increments. Beams ship with end plates ready to bolt to posts.
- **Structure:** Posts & beams create the FlowCell structure. Bolt-on hardware is included. One worker with one tool completes the set-up.
- **Flow lanes:** Full-width roller flow track drops into cell structure. Flow tracks are easy to insert or reposition within FlowCell. Low profile, high profile & decks tracks can be intermixed in a single cell.
- **Bench:** (work shelf): Galvanized steel workbench. Available 12” or 18” deep. Sized to match cell width.
- **Add-on pick tray:** Angles product 30° toward picker to maximize view and access. Available 12” or 15” deep. Sized to match cell width.
- **Overhead Tool Bar:** Roll formed strut channel. Attach tools, lighting and accessories. Sized to match cell width.



Transport gravity flow workstations with just a push; up to 3,000 lbs. of mobile storage

Ideal for picking, assembly or line-side storage - a FlowCell system option that can easily be moved anywhere you need it



Mobile carton flow notes

- 1) Listed units feature 9” wide lanes (12” & 15” available) with 2” roller centers (1” & 3” available). Each has 3 shelf levels at ideal ergonomic picking range.
- 2) The lower shelf is a return shelf. If more picking locations are needed, load beams of the rack can be adjusted to reverse the angle of the lower level
- 3) Frames are finished in basic blue. Other colors available.
- 4) Racks utilize “Deck” Type Span Track for easy drop-in hand assembly. Low & high profile tracks can be intermixed in a single cell for specialized applications.
- 5) 2, 3, or 4 lanes wide listed. Other sizes are available.

Mobile gravity flow racks let you use, configure, and transport carton flow workstations on the fly. Because these workstations let you make the most of inaccessible rack space, they’re ideal for kitting, picking, or assembly applications. Use them in conjunction with an assembly conveyor line, a workbench, a carousel, or picking operation.

Easily transported flow racks are great for putaway and inventory replenishment. Mix & match components make it easy to create ergonomic stations.

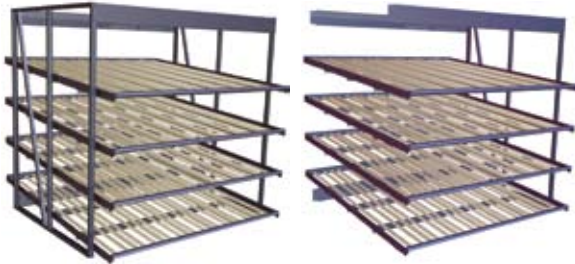
Carton flow lanes are 9” wide (12” & 15” available), low-profile with 2” roller centers. Lanes are fitted with an end stop. Racks roll easily and can be locked into place with 4 x 2 swivel brake casters.

Model Number	W x D x H (Inches)	Lanes per Shelf*	Wt. (Lbs.)
FC4-24-48-3	24w x 48d x 54h	2	216
FC4-24-60-3	24w x 60d x 54h		238
FC4-24-72-3	24w x 72d x 54h		266
FC4-36-48-3	36w x 48d x 54h	3	270
FC4-36-60-3	36w x 60d x 54h		298
FC4-36-72-3	36w x 72d x 54h		335
FC4-48-48-3	48w x 48d x 54h	4	324
FC4-48-60-48	48w x 60d x 54h		358
FC4-48-72-3	48w x 72d x 54h		404

* All units have 3 shelf levels. Capacities: 1,000 lbs. per shelf, 3,000 lbs. per workstation. Many other configurations available.

Wheel-type carton flow makes picking and stocking more efficient

The gravity flow concept uses inclined shelves equipped with roll track to move cartons by gravity from restocking to the picking side of the system. It makes both picking and restocking dramatically more efficient—in fact, one person can do the work of three or four in the proper scenario. Additional savings are realized in terms of floor space, since a gravity flow system requires only half the floor space required by static shelving.



W x D x H (Inches)	Shelves	Picking Lanes	Starter Model	Wt. (Lbs.)	Adder Model
96" x 96" x 96"	4	28	KFR-9696-S	1000	KFR-9696-A
96" x 48" x 96"		28	KFR-9648-S	620	KFR-9648-A
48" x 42" x 96"		16	KFR-4836-S	360	KFR-4836-A

FLOW RACK NOTES:

- 1) Many sizes and styles are available. You can vary the size, the number of shelves, the lanes, and more. These are commonly used configurations.
- 2) All listed units are straight style, 96" tall.
- 3) Connect starters to adders to create a row of flow racking.
- 4) You can also purchase flow shelves that fit into standard pallet rack bays.



Available brands, options, and styles

- First-in, first-out storage ensures even stock rotation. Excellent for carton-pick and each-pick operations
- Available with static side shelves, pallet bars, pallet flow shelves, overhead pallet storage, straight and lay-back styles, and many other options to ensure maximum flexibility
- No layback configurations are best suited for full case picking and offer the densest use of floor space. Layback configurations allow for easy access into cartons (split case picking). Typically requires an additional 1' of floor space
- Bays are interchangeable—as your needs change, you can reconfigure your system as needed
- Manufacturers include Unarco, Hytrol, Keneco, Custom Industrial, Unex, and many others

Column flow rack allows you to slot multiple cartons in a single pick face

Column flow racking is an innovation that presents stacked, vertical columns of cartons to order pickers in first-in, first-out flow storage. You can stack cartons in each lane, allowing for more pick faces in the same space. This provides you with very high-density, space-saving flow storage and enhanced picking productivity.



Above: Column flow carton flow racks are perfect for order picking. This allows you to increase the number of carton pick faces in the same space.

- Retractable loading step allows ergonomic loading from the back side of the rack
- Cartons are constantly presented to pickers with gravity flow
- Column flow racks are an engineered product designed for specific loads - contact us for assistance for your application. Typical application is larger, lighter cartons in case-pick applications
- If your cartons are lightweight and you need to provide more pick-face in the same area, this flow rack may be an ideal solution.
- Can be situated in various pick areas ranging from a distribution center floor to an integrated pick rack system

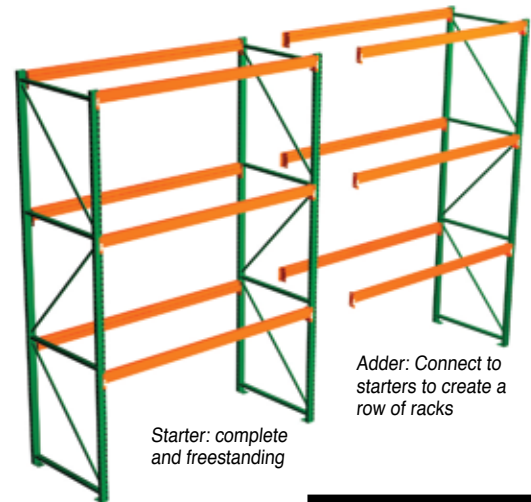


Above: Rear in-feed lanes help keep the cartons aligned for smooth, first-in-first-out flow storage. Step rolls out for easy access, rolls back in to clear the aisle.

Easy-spec preconfigured pallet racks make ordering easy - just pick a starter & adder

Safer and stronger than conventional pallet rack, SK2000 fully enclosed tubular racks have 44 times more torsional strength than open back racking. Seamless, fully welded structural tubing increases durability, cleanliness, and structural integrity for columns, frame braces, and load beams. It's a longer-lasting, maintenance-light rack, more resistant to lift truck impacts. **These easy to order, preconfigured racks are just a few of the possible rack configurations available—call for assistance.**

Beam Levels	H x D x W (Inches)	Beam Cap. (Lbs./Pair)	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
2	96 x 24 x 72	4,410	2S083-24-072	160	2A083-24-072	112
	96 x 36 x 72	4,410	2S083-36-072	164	2A083-36-072	112
	96 x 36 x 96	6,680	2S086-36-096	204	2A086-36-096	154
	96 x 42 x 96	6,680	2S086-42-096	208	2A086-42-096	156
	96 x 48 x 96	6,680	2S086-48-096	214	2A086-48-096	159
	96 x 24 x 96.25	3,155	2S082-24-096	180	2A082-24-096	132
	96 x 36 x 96.25	3,155	2S082-36-096	184	2A082-36-096	134
	96 x 42 x 96.25	3,155	2S082-42-096	188	2A082-42-096	136
	96 x 48 x 96.25	3,155	2S082-48-096	194	2A082-48-096	139
	120 x 36 x 96	6,680	2S106-36-096	220	2A106-36-096	162
	120 x 42 x 96	6,680	2S106-42-096	224	2A106-42-096	164
	120 x 36 x 96.25	3,155	2S102-36-096	200	2A102-36-096	142
3	120 x 42 x 96.25	3,155	2S102-42-096	204	2A102-42-096	144
	120 x 36 x 108	7,030	2S105-36-108	240	2A105-36-108	182
	120 x 42 x 108	7,030	2S105-42-108	244	2A105-42-108	184
	144 x 36 x 96	6,680	3S126-36-096	300	3A126-36-096	176
	144 x 42 x 96	6,680	3S126-42-096	306	3A126-42-096	231
	144 x 42 x 108	7,030	3S125-42-108	336	3A125-42-108	261
	144 x 42 x 120	7,370	3S126-42-120	366	3A126-42-120	291
	168 x 42 x 96	6,680	3S146-42-096	322	3A146-42-096	239
	168 x 42 x 108	7,030	3S145-42-108	352	3A145-42-108	269
	168 x 42 x 120	7,370	3S146-42-120	382	3A146-42-120	299
	168 x 42 x 144	7,710	3S146-42-144	505	3A146-42-144	422
	192 x 42 x 96	6,680	3S166-42-096	388	3A166-42-096	272
	192 x 42 x 108	7,030	3S165-42-108	418	3A165-42-108	302
	192 x 42 x 120	7,370	3S166-42-120	448	3A166-42-120	332



NOTES:

- Many other sizes & styles available
- Standard colors: Frames—Vista Green, Beams—Poppy Orange. Also available: Industrial Yellow, Fire Engine Red, Precaution Blue, and others. Increase safety in your facility by using colors to specify load capacity. Additional colors, such as one to match your company colors, may be available.
- Specify your rack project online and submit it to us with our exclusive Rack Estimator. It will provide you with a basic drawing, parts list and estimated price. See www.cisco-eagle.com for information.

STEEL KING

Store with confidence on rack beams with 3-rivet connection & channel rib strength

These double-tough beams are seamlessly welded, high-strength structural steel tubing. There are no ledges or cracks to catch pallets, or to trap moisture and debris. The 3-rivet connection has an auto-engaging safety clip to resist beam disengagement—installers hear an audible snap when it engages. Removable safety locks are built-in; they aren't shipped separately, so they don't get lost. They can be replaced or repaired easily in the event of damage, unlike permanently attached locks. With its smooth beam edges, workers won't get burr-nicked handling or assembling a rack, or picking from a pallet.

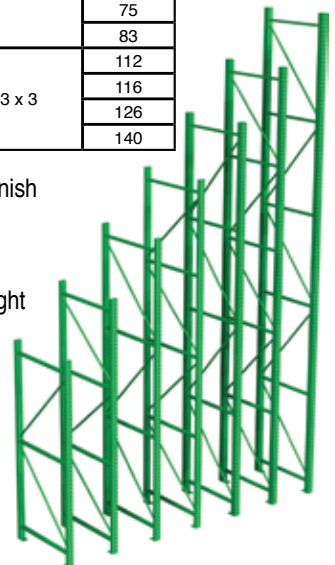


Model Number	Cap./Pair (Lbs.)	Width (Inches)	Beam Height	Wt. (Lbs.)
SBRC4 00-48	9,190	48"	4"	13.5
SBRC300-72	4,410	72"	4"	16
SBRC450-96	6,680	96"	4.5"	26
SBRC300-96.25	3,155	96.25"	3"	21
SBRC500-108	7,030	108"	5"	31
SBRC550-120	7,370	120"	5.5"	36
SBRC600-144	7710	144"	6"	56.5

Stock heights from 8' to 20' fully enclosed tubular uprights

Model Number	Depth (In.)	Height (In.)	Column (Inches)	Wt. (Lbs.)
RTFAP024096	24	96	3 x 1-5/8	48
RTFAP036096	36			50
RTFAP042096	42			52
RTFAP048096	48			55
RTFAP036120	36	120		58
RTFAP042120	42			60
RTFAG048120	48			72
RTFAP036144	36	144		72
RTFAP042144	42			75
RTFAP042168	42	168		83
RTFBP036192	36	192	3 x 3	112
RTFBP042192	42			116
RTFBP042216	42			216
RTFBP042240	42			240

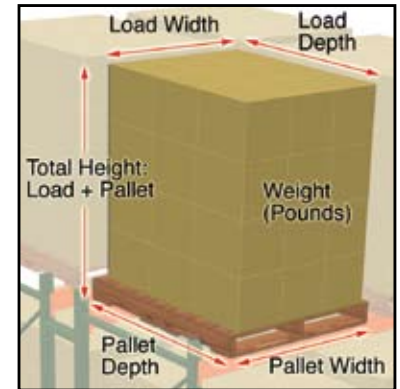
- Vista Green smooth power coat finish
- Standard teardrop connections
- 10-gauge footpads
- Full bracing throughout frame height
- Adjust on 2" centers
- Tough, full-fillet welds
- Accessory holes on column sides
- Other sizes, capacities available



HOW TO: Specify selective pallet racks

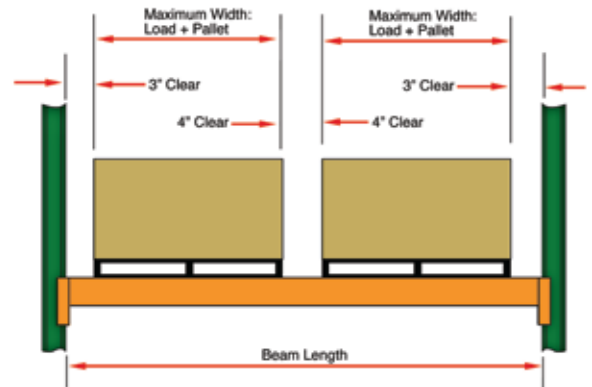
To determine pallet rack configurations, follow these steps:

1. Measure pallet depth, width & height. Width dimension is the fork entry side.
2. Determine the depth, width, height and weight of your largest load. Add the height of the load and the height of the pallet together for the total height dimension.
3. To determine the front-to-back depth of your uprights, subtract 6" from your pallet depth. Example: Your pallet is 40"W x 48"L. Subtract 6" from 48". The result: 42" uprights.
4. To determine beam width (assumes 2 pallets per beam): Multiply the load width x2 and add 12". Ex: Load width is 42". $2 \times 42" = 84" + 12" = 96"$ beam. If required, round up to the next highest beam length.
5. Check the beam capacity to ensure the specified beams will carry the planned load. Do not exceed beam capacity. Capacities listed are per-pair, not per-beam.
6. To determine your upright height:
 - Multiply the number of pallets high stored minus one pallet x 10". Example: if you're storing 4 pallets high, then use multiple 3 pallets x 10" = 30"
 - Multiply number of pallets stored minus one by the overall load height, including pallet height. Ex: Overall load height of 50", 4 pallets high, minus one pallet. $3 \times 50" = 150"$.
 - Add the two numbers ($30" + 150" = 180"$ in this case). This number is your minimum upright height. See rack frames above for standard sizes. Others are available.



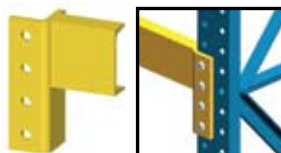
Upright Height Notes:

- The space between pallets allows for beam depth and space to lift and remove the pallet.
- Be certain there is adequate space left between load height of uppermost pallet and sprinkler heads, light fixtures, or other obstructions



Heavy duty structural pallet racks

Structural Pallet racks are constructed of hot rolled structural channel steel, extraordinarily capable of withstanding the wear and tear of the toughest environments.



Upright Frames

STEEL KING

Model Number	Depth (In.)	Height (In.)	Post Size	Wt. (Lbs.)
BCF3L036096PB	36"	96"	3"	85
BCF3L042096PB	42"	96"		88
BCF3L048096PB	48"	96"		92
BCF3L036120PB	36"	120"		109
BCF3L042120PB	42"	120"		113
BCF3L048120PB	48"	120"		118
BCF3L036144PB	36"	144"		133
BCF3L042144PB	42"	144"		138
BCF3L048144PB	48"	144"		143
BCF3L036192PB	36"	192"		171
BCF3L042192PB	42"	192"	4"	177
BCF3L048192PB	48"	192"		183
BCF4L036096PB	36"	96"		106
BCF4L042096PB	42"	96"		110
BCF4L048096PB	48"	96"		115
BCF4L036120PB	36"	120"		136
BCF4L042120PB	42"	120"		142
BCF4L048120PB	48"	120"		149
BCF4L036144PB	36"	144"		163
BCF4L042144PB	42"	144"		172
BCF4L048144PB	48"	144"		180
BCF4L036192PB	36"	192"		214
BCF4L042192PB	42"	192"		223
BCF4L048192PB	48"	192"		232



Frame Notes

- 1) Built from structural channel steel; 3" uprights have 35,200 lbs. capacity; 4" columns have 51,500 lbs. capacity (based on 48" or less vertical beam spacing and other factors)
- 2) Steel thickness, especially in corner sections, enables greater resistance to fork truck impact damage, while increasing load carrying capacity and resistance to seismic forces
- 3) Punched on 4" vertical centers. Connector clips are specially punched to allow for vertical adjustability in 2" increments
- 4) Diagonal and horizontal braces are used throughout the entire frame. Braces are 2" x 2" and 1.5" x 1.5" structural angles, welded to the columns
- 5) Footpads are made of 7-gauge steel plates, and are welded to each column, efficiently dispersing floor loads

Structural Rack Options

- **Beam ties** support weak or misplaced pallets and tie beams to each other to increase rack capacity
- **Frame spacers** stabilize selective frames when height to the top of the top load is over 6 times the depth of the frame

High Capacity Channel Beams

Model Number	Length (In.)	Beam Height	Cap. (Lbs.)	Cap. (w/Tie)
CB7XL300072BP51-30YW	72"	3"	4,080	6,465
CB7XH300096BP51-40YW	96"	3"	2,865	4,390
CB7XL400096BP51-40YW	96"	4"	3,670	8,360
CB7XH400096BP51-40YW	96"	4"	4,600	9,490
CB7XH300108BP51-48YW	108"	3"	2,240	3,445
CB7XL400108BP51-48YW	108"	4"	2,880	7,130
CB7XH400108BP51-48YW	108"	4"	3,610	8,060
CB7XH500108BP51-48YW	108"	5"	5,380	13,120
CB7XH300120BP51-40YW	120"	3"	1,795	2,770
CB7XH400120BP51-40YW	120"	4"	2,890	6,500
CB7XH500120BP51-40YW	120"	5"	4,320	11,780
CB7XH500144BP71-40YW	144"	5"	2,930	8,770

Beam Notes

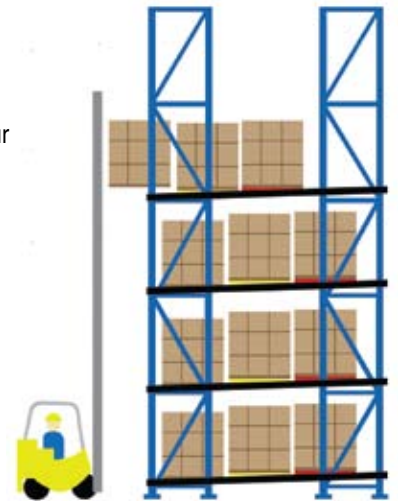
- 1) Beams are built from structural "C"-channel steel
- 2) Capacities based on minimum steel strength, not average; actual is equal to or greater than listed capacity; beam ties significantly increase capacity ratings
- 3) Safety factor equaling 1.67: 1
- 4) Connectors made of heavy 5-gauge steel plates, featuring a wrap-around design
- 5) Both ends of each beam is bolted to the column with two grade-5 bolts and nuts, providing 57% higher moment capacity than a single-bolt design

Pushback rack systems fill the storage cube with product, not aisles

“Last in, first out” inventory system for maximum storage density and increased selectivity vs. drive-in racks



- Up to 90% more product storage than selective rack systems, 400% more selectivity than drive-in systems
- We can specially design pushback rack to meet your requirements: Weak pallet support, non-standard pallet sizes, other special pallets.
- Store a variety of SKUs on different levels of lanes for easy product access
- Interlocking, color coded carts help prevent dangerous jamming and costly product damage
- High storage density with FIFO picking
- 4-sided, heavy-duty, robotic welded structural cart reduces maintenance, extends product life



Pushback rack lets you store pallets 2 to 5 deep while retaining easy access to a variety of different SKUs

Pallets are placed by forklift on nested carts riding on inclined rails. Each pallet is then pushed back by subsequent pallet loading, exposing the next cart. When removing product, the forklift takes out the front pallet, allowing the pallets on carts behind it to roll gently to the front of the rack. Nested carts make placement and retrieval easy.

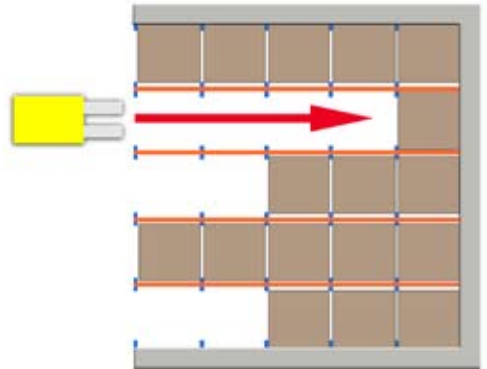
Single source responsibility

Unlike a Pushback rack system assembled from one manufacturer's components and installed on another's rack, Steel King manufactures complete Pushback rack systems for single source responsibility. This gives you a single point of responsibility for your rack project, rather than multiple vendors and subcontractors.

Drive-in & drive-through racks: good selectivity & maximum storage density

Drive-In Racks

Drive-In Racks typically allow a lift truck to enter the rack from one side to pick up or pull out pallets in a last-in, first-out operation. This is done because pallets can slide backwards on a continuous rail. Forklifts drive into the rack to access pallets two or more deep. You are limited in the depth of storage for a particular bay by the size of your facility. Drive-In racks are typically subject to more abuse than selective racks due to the way they are utilized, so rack integrity and strength are important factors. It is ideal rack for cooler or freezer applications.



Above: Drive-In racks allow access from one side.
Below: Drive-Through racks allow access from both sides of the rack.



Drive-Through Racks

Drive-Through Racks allow a lift truck to enter the rack from either side. Loads are supported by rails attached to upright frames, and lift trucks are driven between uprights to reach pallets. This is done because pallets can slide backwards on a continuous rail. Drive-through rack is open at both ends, allowing either LIFO, or FIFO storage.

Specify drive in or drive through for last-in, first-out applications where storage density is paramount

They offer the ability to store a large amount of similar loads in a smaller area. Selectivity is sacrificed, but storage density is enhanced since many pallets are stored and are available through a single pallet position. Drive-in requires loads of a similar width.



Above-the-door empty pallet storage racks take advantage of space over dock doors

A place for your empty pallets

Empty Pallet Storage Rack is an innovative concept designed to store empty pallets neatly and safely without using even an inch of valuable floor space. This idea makes so much sense that it's hard to imagine why no one came up with it before. The design utilizes generally 'dead' space above dock doors to store large quantities of empty pallets or other light materials.

Won't interfere with lift truck traffic

This rack has no front column or bracing below the level of the top of the loading dock door, so it will not interfere with fork truck traffic. What allows a rack of this design is Steel King's use of a heavy tubular column, all tubular bracing, and a minimum of three heavy-duty wall ties, which are tied to either building columns or a very heavy wall. The rack is designed especially for light loads, and may be applicable for items other than pallets. Contact us for assistance.



Pallet flow racks: high-density, first in, first out dynamic storage

Fill storage space from floor to ceiling, and wall-to-wall - as much as 25 pallets deep

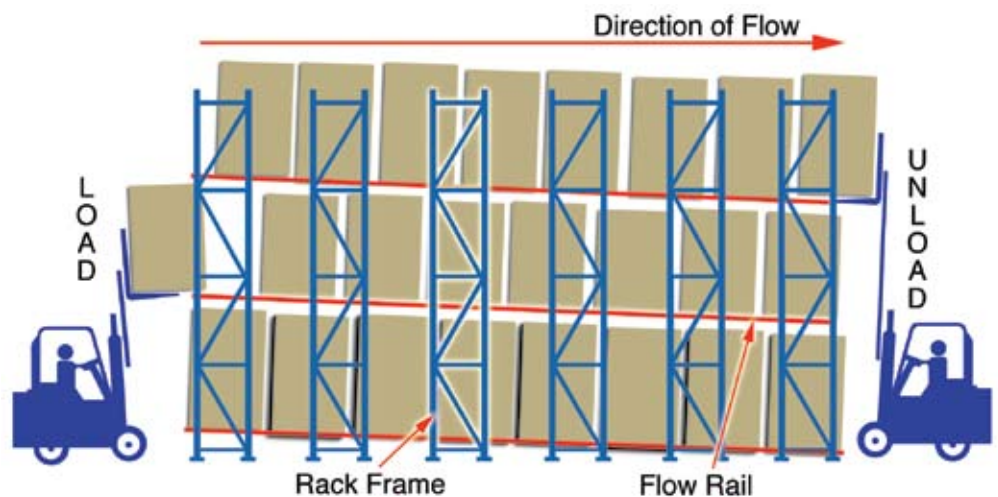
STEEL KING

Flow Storage consists of two elements: a static rack structure and dynamic flow rails. The flow rails are a track/roller system set at a decline along the length of the rack. Each lane includes self-energized speed controllers (brakes) to gently control the speed of movement within the flow lanes.

Flow rails allow loads to move by gravity from the loading end to the unloading end.

As a load is removed, the loads behind it move forward to the unloading position. The flow system depth, height, and width are limited only by the size of your facility and the capabilities of your material handling equipment. Flow Storage solutions are used in situations where storage density and inventory rotation are priorities.

Flow storage systems have been successfully installed as a part of virtually every storage function, including raw materials receiving and storage, work-in-process, buffer storage, finished goods, order picking, and cross docking.

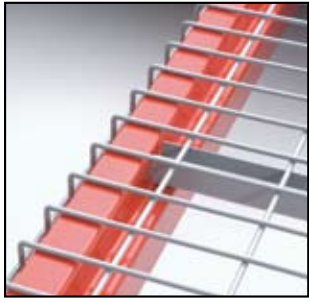


The advantages of pallet flow systems

- First-in, first-out (FIFO) inventory control provides constant stock rotation
- Reduced handling costs—once loaded, product rotation is automatic, eliminating labor and fork truck operation to rearrange loads
- Flow rails are powered by gravity, requiring no electricity or other utilities
- Fork lifts are required only for the initial loading and final unloading
- Because only two aisles are necessary, aisle space can be reduced by 75%
- Because storage density can be doubled, storage capacity can be increased within the same storage area
- Construction cost savings due to significant space savings
- Higher density storage also mean less area to heat, illuminate, air condition, refrigeration, security, and other expenses
- Decreased fork lift handling of loads can result in less product damage and less potential for collision damage to the rack structure
- Flow rails consist of channels which house interchangeable wheels or rollers. The channel is raised or lowered by the pulsation of forced air in a hose beneath it. When the channel is raised, the load is moved by gravity in a controlled manner. When the channel is lowered, the load sets down upon the rail, braking safely



Wire decking provides strength, easier handling, pallet stability



Wire decking allows for a higher inventory visibility, easier product handling, and superior ventilation

Decking provides greater structural strength than other decking materials—its tough wire construction with underlying metal supports is strong and stable. It offers easy visibility for rack content inspections, and meets fire safety codes. Decking eliminates dust and debris build-up and

improves air circulation. It meets ANSI MH-26.2 standards.

When compared to planks, boards or other potential rack decking solutions, wire decking outperforms them all for safety, ease of use, aesthetics, and capacity.

- Many other sizes, styles available
- Built of heavy-duty 4-gauge wire. Finish: Speckle Gray
- Galvanized, zinc coating, and other custom finishes available
- Configured for standard 1-1/2" to 1-5/8" deep step beams
- Installation is a snap—just drop the wire decks into your beams



Size (In.)	Model Number	Construction & Specs	Cap. (Lbs.)
24 x 46	N2446-3-1L	2" x 4" Mesh, 3 Channels	3700
30 x 46	N3046-3-1L	2" x 4" Mesh, 3 Channels	3600
36 x 34	N3634-3-1	2" x 4" Mesh, 3 Channels	3200
36 x 46	N3646-3-1L	2" x 4" Mesh, 3 Channels	3200
36 x 46	N3646-3-17L	2.5" x 4" 6 gauge, 3 Channels	2700
36 x 52	N3652-3-1L	2" x 4" Mesh, 3 Channels	3250
36 x 58	N3658-3-1L	2" x 4" Mesh, 3 Channels	3300
42 x 34	N4234-3-1	2" x 4" Mesh, 3 Channels	2800
42 x 46	N4246-3-1	2" x 4" Mesh, 3 Channels	3000
42 x 46	N4246-3-21	2" x 4" 6 gauge, 3 Channels	2900
42 x 46	N4246-3-17	2 1/2" x 4" 6 gauge, 3 Channels	2700
42 x 46	N4246-3-17L	2 1/2" x 4" 6 gauge, 3 Channels	2250
42 x 46	N4246-4-1	2" x 4" Mesh, 4 Channels	3600
42 x 52	N4252-3-1	2" x 4" Mesh, 3 Channels	3050
42 x 52	N4252-3-17	2.5" x 4" 6 gauge, 3 Channels	2700
42 x 52	N4252-3-17L	2.5" x 4" 6 gauge, 3 Channels	2250
42 x 52	N4252-4-1	2" x 4" Mesh, 4 Channels	3650
42 x 58	N4258-3-1	2" x 4" Mesh, 3 Channels	3050
42 x 58	N4258-3-17	2.5" x 4" 6 gauge, 3 Channels	2750
44 x 46	N4446-3-17	2.5" x 4" 6 gauge, 3 Channels	2550
44 x 52	N4452-3-17	2.5" x 4" 6 gauge, 3 Channels	2550
48 x 34	N4834-3-1	2" x 4" Mesh, 3 Channels	2400
48 x 46	N4846-3-1	2" x 4" Mesh, 3 Channels	2550
48 x 46	N4846-3-17	2.5" x 4" 6 gauge, 3 Channels	2300
48 x 46	N4846-3-17L	2.5" x 4" 6 gauge, 3 Channels	1900
48 x 46	N4846-4-1	2" x 4" Mesh, 4 Channels	3100
48 x 52	N4852-3-1	2" x 4" Mesh, 3 Channels	2600
48 x 58	N4858-3-1	2" x 4" Mesh, 3 Channels	2650
60 x 46	N6046-4-1	2" x 4" Mesh, 4 Channels	2350
24 x 46	N2446-3-3L	2" x 4" Mesh, 3 Flared Chnls	2900
36 x 46	N3646-3-3L	2" x 4" Mesh, 3 Flared Chnls	2500
36 x 52	N3652-3-3L	2" x 4" Mesh, 3 Flared Chnls	2500
42 x 46	N4246-3-3D	2" x 4" Mesh, 3 Flared Chnls	2550
42 x 46	N4246-3-19	2 1/2" x 4" Mesh, 3 Flared Chnls	2100
42 x 46	N4246-4-3D	2" x 4" Mesh, 4 Flared Chnls	3100
42 x 52	N4252-3-3	2" x 4" Mesh, 3 Flared Chnls	2450
44 x 46	N4446-3-3	2" x 4" Mesh, 3 Flared Chnls	2400
48 x 46	N4846-4-3	2" x 4" Mesh, 4 Flared Chnls	2550
48 x 52	N4852-4-3	2" x 4" Mesh, 4 Flared Chnls	2650



STEEL KING

Protect your pallet rack upright frames from collisions

Highly visible, solid steel guards protect the base of rack frame posts

Model Number	Height (Inches)	Wt. (Lbs.)
FPS3D012	12"	10
FPS3D018	18"	14

- Protectors designed for 3" wide posts
- Contact us for welded-on models
- Finish: safety yellow powder coat
- Other sizes & styles available—contact us for assistance
- Must be attached to the floor

Use Rack Sentry systems to protect the upright, the driver and the lift truck

Rack sentry is available in double and single high configurations (order 2 and install them atop each other). Installation is a snap—it takes just a moment to install.



Model Number	Column Size (In.)	H x W x D (Inches)	Wt. (Lbs.)
RS75	3"	18" x 5.25" x 6.25"	3
RS100	4"	18" x 6.25" x 6.5"	4

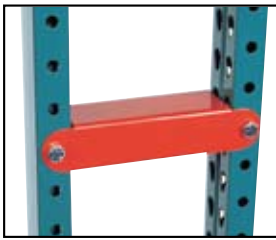


Rack damage is a problem in virtually every warehouse. Rack systems are not designed to be struck by lifting equipment, let alone to be hit on an ongoing basis. Metal protection can crumple on lift truck impact, and doesn't "spring" back to its original shape.

Reduced replacement cost

Once damaged, metal might no longer be effective and needs replacement. It may have been bolted to both rack and floor. Upon impact, both can be damaged, as well as your inventory. Patented Rack Sentry is always on guard protecting the structural integrity of your racks.

Row spacers enforce pallet overhang space, keep space between rack rows uniform



- Bolts onto frames of 2-deep rows
- Poppy Orange powder coat finish
- Easy to install
- 2 spacers/frame up to 120" tall.
- 3 spacers/frame 144" to 216" tall

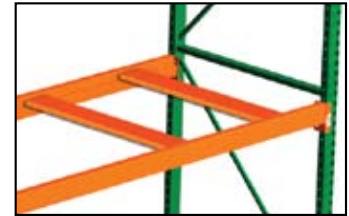
STEEL KING

Model Number	Depth (Inches)	Wt. (Lbs.)
RSR3G008	8"	1.4
RSR3G012	12"	2.4

Use front-to-back pallet supports let you store smaller pallets, reinforce racks

Supports add support to pallets that fit the depth of the rack. They nest into step beams to provide flat, flush storage. Order two supports per pallet position. Finish: poppy orange.

Model Number	Depth (In.)	Wt. (Lbs.)
PDSSG036	36"	5.5
PDSSG042	42"	6
PDSSG048	48"	7



Protect people, inventory, and equipment with pallet rack safety netting systems



Forklift collisions are a fact of life, but accidents & damage are avoidable

Mesh guards prevent stored items from falling from the top of a loaded rack. Inventory is prevented from falling and damaging itself, other product—and most importantly, anyone standing beneath.

Use wherever people work, drive, pick, or walk

Systems consider total pallet weight, fall trajectories, impact velocities & distribution—they're designed to withstand a specific, rated impact. Guards flex back to original shape after a mishap.

- Standard sizes listed; contact us to configure your rack system with netting
- Works with virtually all rack and shelving types
- Fire-retardant NFPA 701 rated
- More economical than steel backing; is not destroyed on impact

Mounting Hardware Kits

Model Number	Hardware Type	Wt. (Lbs.)
SAFTNET-10001	Flush Mount, Starter	37
SAFTNET-10002	Flush Mount, Add-On	28
SAFTNET-10003	Offset Mount, Starter	61
SAFTNET-10004	Offset Mount, Add-On	48
SAFTNET-10005	Extension, Flush Mount, Starter	190
SAFTNET-10006	Extension Add-On Kit	200
SAFTNET-10007	Extension Offset Mount, Starter	90



Standard Sizes (custom easily available)

Model Number	Cap. (Foot Lbs.)	Size (Feet)	Mesh Size (Inches)	Wt. (Lbs.)
SAFTNET-480112144	4,000	9'4" x 12'	4" x 4"	7
SAFTNET-480112192		9'4" x 16'		9
SAFTNET-480112240		9'4" x 20'		11
SAFTNET-480144148		12'4" x 12'		9
SAFTNET-480148192		12'4" x 16'		11
SAFTNET-480148240		12'4" x 20'		13
SAFTNET-480144248		20'8" x 12'		14
SAFTNET-480192248		20'8" x 16'		17
SAFTNET-480240248		20'8" x 20'		21
SAFTNET-480144300		25' x 12'		16
SAFTNET-480192300		25' x 16'		22
SAFTNET-480240300		25' x 20'		25
SAFTNET-240112144	2,500	9'4" x 12'	1 3/4" x 1 3/4"	5
SAFTNET-240112192		9'4" x 16'		6
SAFTNET-240112240		9'4" x 20'		8
SAFTNET-240144148		12'4" x 12'		6
SAFTNET-240148192		12'4" x 16'		8
SAFTNET-240148240		12'4" x 20'		10
SAFTNET-240144248		20'8" x 12'		10
SAFTNET-240192248		20'8" x 16'		13
SAFTNET-240240248		20'8" x 20'		16
SAFTNET-240144300		25' x 12'	2" x 2"	12
SAFTNET-240192300		25' x 16'		15
SAFTNET-240240300		25' x 20'		19
SAFTNET-245112144		9'4" x 12'		5
SAFTNET-245112192		9'4" x 16'		6
SAFTNET-245112240		9'4" x 20'		8
SAFTNET-245144148		12'4" x 12'		6
SAFTNET-245148192		12'4" x 16'		8
SAFTNET-245148240		12'4" x 20'		10
SAFTNET-245144248		20'8" x 12'		10
SAFTNET-245192248		20'8" x 16'		13
SAFTNET-245240248		20'8" x 20'		16
SAFTNET-245144300		25' x 12'		12
SAFTNET-245192300		25' x 16'		15
SAFTNET-245240300		25' x 20'		19

HARDWARE & MOUNTING NOTES:

- 1) Choose flush mount when your load protrudes no more than 4" past the back of the rear rack beam.
- 2) Choose offset mount when your pallet overhangs the back of the rack by more than four inches, up to 13" maximum.
- 3) Extension Mounting: guards pallets atop the highest beam level. Can be specified in either flush or offset mount applications.
- 4) Order one hardware kit for each rack net ordered. Contact us for assistance with custom size nets and mounting hardware.



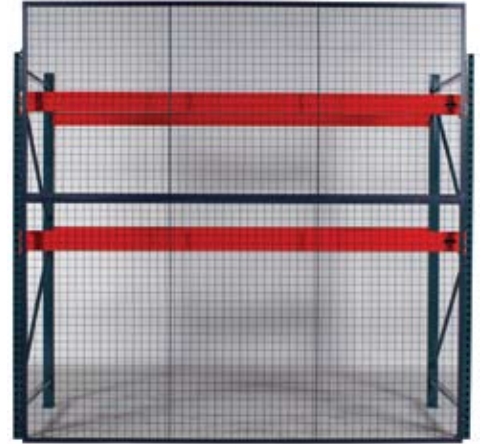
SINCO SALA®

Prevent rack-load drops and reduce inventory theft by surrounding your pallet rack with tough wire mesh panels for rigid security and safety

Fully enclose your rack for security, or the back for fall protection

Secure your full pallet loads, valuable case-pick inventory, or other bulky items with lockable rack cages. Security enclosures come complete with back/end panels and double-hinged doors the full width of the beam. The gates are ideally suited for single-bay operations and mount directly to rack uprights. Durable, all welded angle-frame design adds all the protection you need to eliminate dangerous spills, protecting employees while containing inventory.

- Installs simply and easily on teardrop racks (contact us for other types)
- Attractive and clean, straight-line design with gray finish
- Match the width of your rack beam to the listed enclosure width, then match the listed height and depth to that of your rack frame
- Many other sizes available; contact us for assistance
- Sliding door models available for rack security cages



Mounting & installation

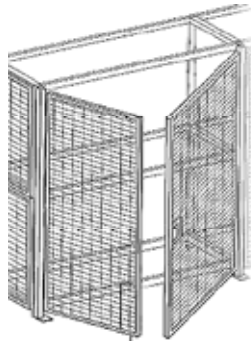
Sturdy framed panels provide hassle-free installation by bolting directly to rack uprights with right angle mounting brackets. Panels may be easily extended above the rack with "above-the-top" extension supports. Rear panel and swinging front gates are approximately the same width as your rack beam; order to match beam width.

Side panels are ordered by the overall rack frame depth (actual depth of the panels is around 6" less than that of the rack frame, to fit inside the beams). Height dimension is the same dimension as the height of your rack frame. The wire enclosure is flush with the top of your frames.

WireCrafters

Security enclosures with swinging gates

Model Number	Height (Feet)	Width (Feet)	Depth (Feet)	Wt. (Lbs.)
WCRB-FC-682	8'	6'	2'	295
WCRB-FC-683	8'	6'	3'	315
WCRB-FC-883	8'	8'	3'	339
WCRB-FC-8836	8'	8'	3'-6"	379
WCRB-FC-884	8'	8'	4'	419
WCRB-FC-983	8'	9'	3'	374
WCRB-FC-984	8'	9'	4'	414
WCRB-FC-1083	8'	10'	3'	393
WCRB-FC-10836	8'	10'	3'-6"	433
WCRB-FC-1084	8'	10'	4'	473
WCRB-FC-8103	10'	8'	3'	400
WCRB-FC-81036	10'	8'	3'-6"	440
WCRB-FC-8104	10'	8'	4'	480
WCRB-FC-9103	10'	9'	3'	435
WCRB-FC-91036	10'	9'	3'-6"	475
WCRB-FC-9104	10'	9'	4'	515
WCRB-FC-10103	10'	10'	3'	472
WCRB-FC-101036	10'	10'	3'-6"	512
WCRB-FC-10104	10'	10'	4'	552
WCRB-FC-8123	12'	8'	3'	571
WCRB-FC-81236	12'	8'	3'-6"	631
WCRB-FC-8124	12'	8'	4'	671
WCRB-FC-9123	12'	9'	3'	682
WCRB-FC-91236	12'	9'	3'-6"	622
WCRB-FC-9124	12'	9'	4'	662
WCRB-FC-10123	12'	10'	3'	651
WCRB-FC-101236	12'	10'	3'-6"	691
WCRB-FC-10124	12'	10'	4'	731



Rear-mounted rack backing panels

Model Number	Height (Feet)	Width (Feet)	Wt. (Lbs.)
RW-RackBack8x8	8'	8'	325
RW-RackBack9x8	8'	9'	335
RW-RackBack10x8	8'	10'	349
RW-RackBack8x10	10'	8'	349
RW-RackBack9x10	10'	9'	353
RW-RackBack10x10	10'	10'	363
RW-RackBack8x12	12'	8'	380
RW-RackBack9x12	12'	9'	395
RW-RackBack10x12	12'	10'	410
RW-RackBack8x14	14'	8'	404
RW-RackBack9x14	14'	9'	413
RW-RackBack10x14	14'	10'	428
RW-RackBack8x16	16'	8'	360
RW-RackBack9x16	16'	9'	455
RW-RackBack10x16	16'	10'	475



Rack backing for spill prevention

Prevent dangerous spills and protect employees from dropped products, as well as preserving stored inventory. Installs easily on almost all teardrop racks.

NOTES for rack backing:

- 1) Off-Set Mounted: Panels mount to the pallet rack upright with an off-set bracket from 0"-12". With offset mounting, you can overhang pallets from your rack.
- 2) Flush Mounted: Rack backing is flush mounted directly to the pallet rack uprights. This provides the tightest possible access. Not even a hand can get through to stored items.
- 3) Back panels attach with clips to teardrop holes on the rear side of the rack with carriage bolts.
- 4) Panels may be easily extended above the rack with "above-the-top" extension supports.
- 5) Rack backing typically shields the upper levels of a pallet rack, leaving the lower bay open on both sides.
- 6) Can be installed on most sizes of rack. If you don't see what you need, contact us for assistance.
- 7) Some rack brands (particularly Ridg-U-Rack) may require Tek Screws for installation due to long slots rather than teardrop connections.

Button-On Cantilever Racks for loads one person can reach & handle

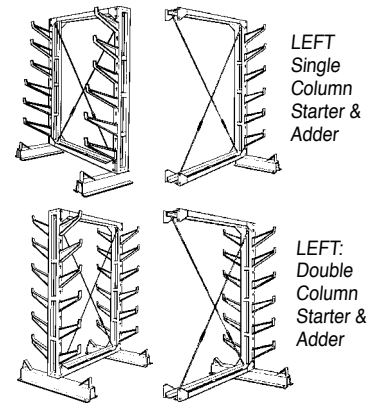
Medium Duty Rack: up to 12,000 pounds per column side, 700-1,000 pounds per arm

Quick, convenient storage of pipe, tubing, lumber, bar stock, angle iron, turret-lathe & tube machine stock, or similar loads. Load up to 2,000 pounds manually or with lift trucks. Assembles quickly and easily. Sets up as one unit or as part of a continuous system using starters & adders. Arms adjust on 4" centers and "button" on without tools, bolts or pins. Well suited for maintenance areas, tool rooms, pipe shops, lumber and PVC, other long loads at medium-duty weights.

H x W (Ft.)	Arm Type	Column Type	Overall* Cap. (Lbs.)	Arm Levels*	Arm Cap. (Lb.)	Starter Model No.	Wt. (Lbs.)	Add-On Model No.	Wt. (Lbs.)
7' h x 6' w	12" Incline	Single	12,000	6	1,000	CR-1	314	CR-1A	182
	12" Straight		12,000			CR-2	314	CR-2A	182
	12" Incline	Double	24,000			CR-3	406	CR-3A	228
	12" Straight		24,000			CR-4	406	CR-4A	228
	16" Incline	Single	12,000			CR-5	332	CR-5A	191
	16" Straight		12,000			CR-6	332	CR-6A	191
	16" Incline	Double	24,000			CR-7	442	CR-7A	246
	16" Straight		24,000			CR-8	442	CR-8A	246
10' h x 6' w	20" Incline	Single	17,000	10	850	CR-9	455	CR-9A	257
	20" Straight		14,000			CR-10	485	CR-10A	371
	20" Incline	Double	34,000			CR-11	687	CR-11A	277
	20" Straight		28,000			CR-12	747	CR-12A	401

*Adder unit capacities are typically less than starter units. Starter units include 2 columns, 2 horizontal braces, 2 bases, the specified number of arms, and hardware. Adder units include 1 column, 2 horizontal braces, 1 base, the specified number of arms, and hardware.

* Arm levels are listed per column side. EX: A single sided rack that has 6 levels (12 arms) offers 6 storage positions plus the base load. A double sided rack with 6 arm levels has 24 arms and 12 storage positions, plus the base load on both sides of the column.



MiniTree & QuikTree light-duty cantilever racks for manual loading



MiniTree: Organized Light Duty Storage; 250 lbs. per Arm Capacity

- Compact storage for awkward, light, long loads—conduit, extrusions, plastics, hydraulic tubing, molding
- 7 pairs easily adjustable arms per side provide plentiful storage, and adjust on 1.5" increments
- 250 lbs. per arm capacity. Unit capacities do not include base loading.



Model Number	Column Type	W x D x H (Inches)	Cap. (Lbs.)	Wt. (Lbs.)
MT251CD36	Double	36" x 30" x 76"	3,500	215.0
MT251CS36	Single	36" x 18.25" x 76"	1,750	165.0

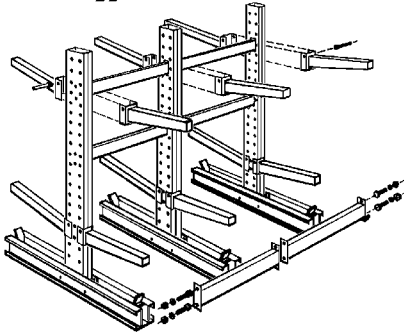


QuikTree: 500 lbs. per arm capacity

- All purpose utility stock support for long & short materials
- Starters & adders let you create a continuous row of rack
- Arms have tip-up ends for round item storage
- 7 pairs easily adjustable arms per side
- Arms adjust on 1.5" increments

W x D x H (Inches)	Column Type	Cap. (Lbs.)	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
36" x 34" x 84"	Double	7000	QT501D36	345	QT501D36A	189
72" x 34" x 84"			QT501D72	363	QT501D72A	207
36" x 21" x 84"	Single	3500	QT501S36	237	QT501S36A	135
72" x 21" x 84"			QT501S72	265	QT501S72A	153

Series 08 Cantilever Racks for intermediate loads—capacities up to 13,920 pounds



Tough rack for intermediate loads. It's as functional as high duty rack, but utilizes lighter gauge steel and smaller component part dimensions. Terrific storage solution for light bar stock, tubing, lumber, or other materials that are handpicked or easily damaged and must be kept off the floor. It adjusts and tailors easily to meet your specific requirements, at prices more economical than heavy duty cantilever racks. Assembles easily & quickly with basic tools.

Rack sizes & features

- 5 interchangeable arm lengths (12", 18", 24", 30", 36") up to 1300 lbs. capacity each
- Straight or inclined arms adjust on 3" centers for maximum flexibility
- Simple pin & lock construction for arms. Permits instant adjustability of arms
- 5,160 - 6,960 lb. capacity for single column not including base
- 10,320 - 13,920 lb. capacity for double column
- 7, 8 or 10 foot column heights. Brace widths: 3, 4, 5, 6, and 8 feet
- Rigidly constructed column and heavy arm saddle provide efficient load support

H x W (In.)	Arm Levels	Arm Length*	Column Type	Starter Model	Wt. (Lbs.)	Adder Model	Wt. (Lbs.)
120" x 72"	6	36"	Double	MD-10J	725	MD-10AJ	395
84" x 48"	4	18"		MD-7J	445	MD-7AJ	240
96" x 48"	4	24"		MD-8J	515	MD-8AJ	275
120" x 72"	6	36"	Single	MS-10J	536	MS-10AJ	276
84" x 48"	4	18"		MS-7J	335	MS-7AJ	182
96" x 48"	4	24"		MS-8J	380	MS-8AJ	226

* Arm levels are listed per column side. A single sided rack that has 4 levels (8 arms) offers 4 storage positions plus the base load. A double sided rack with 4 arm levels has 16 arms and 8 storage positions, plus the base load on both sides of the column.

NOTES:

- 1) Racks ship unassembled.
- 2) Capacities do not reflect base load (items can be stored on column bases).
- 3) Do not exceed arm capacities.
- 4) Available in many other configurations and sizes. Call us for details.
- 5) All preconfigured units shown have lips.

Series 25 Heavy Duty Cantilever racks for capacities up to 32,000 pounds



Store large amounts of heavy materials in a compact area with Steeltree cantilever racks. These racks carry heavy loads—up to 6,600 lbs. per pair of arms. Facilitates fork handling of unwieldy or extremely heavy stock, and enables use of most overhead cranes to load or unload with slings. Ideal for most tubes, bars, stocks, and other bulky long items. Arms are fully adjustable on 3" centers. Total capacity can run as high as 80,000 lbs. per column. Order as a single rack, or utilize add-on models to create a row of rack that handles long items. Finish: gray..

- 9 interchangeable arm lengths (12", 18", 24", 30", 36", 42", 48", 54", 60") - adjust on 3" centers
- Arm Capacities: 800-3,300 lbs. per arm.
- Base Capacities: 7,560-25,650 lbs. (single column), 15,120 - 52,600 lbs. (double column)
- Choose 7 to 18 arms per side
- No special tools required for assembly
- Available in 8, 10, 12, and 15 foot column heights. Overall widths of 3, 4, 5, 6 or 8 feet

H x W (Feet)	Arm Length	Arm Levels*	Column Type	Cap. (Lbs.)	Arm Cap. (Lbs.)	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
8' x 6'	24"	4	Double	16,000	2,000	DC-8J	726.0	DC-8AJ	394.0
			Single	32,000	2,000	SC-8J	510.0	SC-8AJ	286.0
10' x 6'	36"	6	Double	15,600	1,300	DC-10J	1183.0	DC-10AJ	638.0
			Single	32,100	1,300	SC-10J	831.0	SC-10AJ	462.0

* Arm levels are listed per column side. A single sided rack that has 4 levels (8 arms) offers 4 storage positions plus the base load. A double sided rack with 4 arm levels has 16 arms and 8 storage positions, plus the base load on both sides of the column.

NOTES:

- 1) Racks ship unassembled.
- 2) Capacities do not reflect base load.
- 3) Do not exceed arm capacities.
- 4) Available in many other configurations.
- 5) All preconfigured units have lips.
- 6) Deck support receptacles available.

Heavy duty & specialized cantilever racking systems

Applications include furniture, pipe handling, energy & oil operations, and more



Cantilever Rack for Furniture

Cantilever-style furniture storage rack allows storage shelves without front obstructions, with solid decking covering the entire length of the rack row. The result is a system where loads of varying lengths can be placed anywhere along the entire storage shelf.

Extremely Heavy Duty Applications

We can help you with cantilever racks for the toughest, heaviest industrial applications, from tubing & pipe to heavy machinery storage, to manufactured solutions specifically for your needs.



If you need assistance with a custom cantilever rack project, contact us today.

STEEL KING

Heavy-duty 100% extension roll-out rack stores up to 2,000 pounds a shelf

Roll out shelves with as little as 15 pounds of force - great for dies, heavy tools, small motors, steel parts & bulk components

Individual shelf heights are adjustable on 2" centers, giving you plenty of flexibility in designing your storage system. And they extend with as little as fifteen pounds of force. Modular construction allows bolt-together expansion of multiple units. Access stored material horizontally with a fork lift truck, cart, hand truck or any method with a height adjusting bed; achieve vertical access via crane, manipulator or monorail.

JIRAKE



EZ-Glide Shelves extend to 100% for maximum accessibility

Anti-friction bearings combined with solid steel tracks assure rigid and easy-to-operate movement. Ten pre-lubricated, sealed bearings provide long life. It's easy to roll out the shelves, even fully loaded—moving a fully loaded 2,000-lb. shelf requires as little as 15 pounds of force.

Dimensions (Inches)	No. Of Shelves	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
36 x 36 x 62	3	EZ363662	911	EZ363662A	831
36 x 36 x 72		EZ363672	932	EZ363672A	842
48 x 36 x 62		EZ483662	1,053	EZ483662A	973
48 x 36 x 72		EZ483672	1,074	EZ483672A	984
48 x 48 x 62		EZ484862	1,260	EZ484862A	1,174
48 x 48 x 72		EZ484872	1,281	EZ484872A	1,185
36 x 36 x 84	4	EZ363684	1,166	EZ363684A	1,063
48 x 36 x 84		EZ483684	1,348	EZ483684A	1,245
48 x 48 x 84		EZ484884	1,510	EZ484884A	1,407

Store pipe, tube, bar stock with bar racks

Horizontal storage rack. Handle up to 10' angles, bars, pipes, & other long items. If desired, order more than one unit to support longer items by lining up units. 9 arm levels extend 9" on 6" spacing. 9 inches on 6 inch spacing. Rack capacity: 1,800 lbs. per arm.

Vertical bar racks handle items up to 12' long. All-welded steel components bolt together for quick and easy assembly. Rack arms extend beyond shelves and act as dividers, creating bays of storage. Four separate shelf levels allow for storage of smaller lengths and drops in the same bay. Each rack can bear a capacity of 3,000 pounds.

Model Number	Size (Inches)	Rack Type	Cap* (Lbs.)	Wt. (Lbs.)
CR-833	84h x 30w x 30d (base)	Horizontal	1,800	105
CR-834	84h x 36w x 24d	Vertical	3,000	110

* Capacity for horizontal rack is listed per arm level. Capacity for vertical rack is per rack.



Store & handle pipe, tubing & long parts with stackable Mini-Module bar racks



A very flexible, high density storage for items like pipe, tubing, structural, extrusions, and more. Stackable racks are built to last. Rugged, all steel construction gives you years of reliable service. Cut-off lengths can be conveniently returned to storage and easily identified for future use. Stable when stacked and easy to handle manually.



Model Number	W x H x D (Inches)	Wt. (Lbs.)
Size-AX	16 x 13.5 x 12	18
Size-BX	19 x 17 x 14	25
Size-CX	22 x 20.5 x 15	31
Size-DX	26 x 23.5 x 16	49

- No bolts and no tools required for assembly
- Capacities of 2,500-7,500 lbs. depending on size
- Stacks 8 to 10 units high
- Optional self or 4-way divider available

AIReactor Stacking Racks load like a pallet, protect like a rack

AIReactor stacking racks combine the unit load capabilities of a pallet with the product protection and positive stack alignment of stacking posts. Welded tubular steel construction ensures dependable load carrying strength. Designed for fork truck handling. Select wood or open deck. Options include channel collars for side panels, or end & side frames.

W x L x H (Inches)	Cap. (Lbs.)	Open Deck Model No.	Wt. (Lbs.)	Wood Deck Model No.	Wt. (Lbs.)
42 x 48 x 36	2,000	AOD-2-4248-36P	110	AWD-2-4248-36P	110
42 x 48 x 42		AOD-2-4248-42P	113	AWD-2-4248-42P	113
42 x 48 x 48		AOD-2-4248-48P	118	AWD-2-4248-48P	118
42 x 60 x 36		AOD-2-4260-36P	131	AWD-2-4260-36P	131
42 x 60 x 42		AOD-2-4260-42P	134	AWD-2-4260-42P	134
42 x 60 x 48		AOD-2-4260-48P	139	AWD-2-4260-48P	139
48 x 48 x 36		AOD-2-4848-36P	119	AWD-2-4848-36P	119
48 x 48 x 42		AOD-2-4848-42P	122	AWD-2-4848-42P	122
48 x 48 x 48		AOD-2-4848-48P	127	AWD-2-4848-48P	127
48 x 60 x 36		AOD-2-4860-36P	142	AWD-2-4860-36P	142
48 x 60 x 42		AOD-2-4860-42P	145	AWD-2-4860-42P	145
48 x 60 x 48		AOD-2-4860-48P	150	AWD-2-4860-48P	150
42 x 48 x 36	4,000	AOD-4-4248-36P	126	AWD-4-4248-36P	126
42 x 48 x 42		AOD-4-4248-42P	132	AWD-4-4248-42P	132
42 x 48 x 48		AOD-4-4248-48P	138	AWD-4-4248-48P	138
42 x 60 x 36		AOD-4-4260-36P	147	AWD-4-4260-36P	147
42 x 60 x 42		AOD-4-4260-42P	153	AWD-4-4260-42P	153
42 x 60 x 48		AOD-4-4260-48P	159	AWD-4-4260-48P	159
48 x 48 x 36		AOD-4-4848-36P	135	AWD-4-4848-36P	135
48 x 48 x 42		AOD-4-4848-42P	141	AWD-4-4848-42P	141
48 x 48 x 48		AOD-4-4848-48P	147	AWD-4-4848-48P	147
48 x 60 x 36		AOD-4-4860-36P	158	AWD-4-4860-36P	158
48 x 60 x 42		AOD-4-4860-42P	164	AWD-4-4860-42P	164
48 x 60 x 48		AOD-4-4860-48P	170	AWD-4-4860-48P	170



NOTES:

- 1) Posts available in 1" height increments from 16" to 48".
- 2) Many other base sizes, materials, configurations available.
- 3) Do not stack these racks over 4 high.

HOW TO: Configure industrial shelving to fit your application

The right shelving in the right size in the right application—contact us for prompt assistance

(1) Determine the type of shelving you need: There are a number of industrial shelving types, but it generally can be categorized into solid metal, clip shelving, rivet shelving with particle board decking, and wire shelving. Each shelving type offers features that can be useful to you.

° **Rivet (boltless) shelving - most economical:** Steel structural components lock rigidly together for strength, with a particle board deck. It's the most economical shelving, with the highest load capacities. It's accessible from all sides; there are no cross braces. It offers the broadest range of sizes. Posts are punched so that adjusting & adding shelves is easy. Other potential decking materials include wire mesh, steel, and plywood. It comes in double rivet heavy duty and single rivet medium duty beam types. It adjusts on 1.5" increments. *Rivet shelving begins on the next page.*



° **Metal clip shelving - most accessorizable:** All-steel shelving adjusts in tight, 1" increments. It has solid metal shelves, in open or closed types. Metal shelving is the most easily accessorized shelving. It's able to accept bins, modular drawers, various dividers, doors, and other modifications. It is the most flexible shelving type because of this. Standard sizes have 6, 7 or 8 shelves, but more can be added or removed, depending on the stored product size. *See page 64 for metal shelving.*

° **Wire shelving offers a world of configurations:** It has open construction that doesn't collect dust or block sprinkler systems. It's attractive for in many applications where more industrial-style shelves might be out of place. Numerically calibrated grooved posts, tapered plastic split sleeves and shelf collars adjust on 1" centers for easy configuration. Wire shelving has amazing versatility and converts well into carts with caster kits. *See wire shelving models and options on page 60.*



(2) Determine the width (left-to-right dimension) of the individual shelving units: In many situations, this determines the amount of shelving that can fit into a row. Remember that shelf units are typically a bit wider than their shelf width dimension, which measures shelf size. The posts and space between shelves can add inches to each shelving unit, so take that into account when trying to lay out a row or a room.

Rivet shelving has the most available width option: 36", 42", 48" (double and single rivet), with double rivet widths of 60", 72" and 96" available for long, unobstructed spans. Metal clip shelving has standard shelf widths of 36", 42" and 48". Wire shelving offers 48", 60" and 72" widths. Other widths may be available for all sizes of shelving—contact us for information.

(3) Determine the shelf depth: This is the front-to-back dimension. Choose the size that best fits your stored product depth, such as a storage bin. Deeper shelves let you store more, but if you are picking from them, reaching items at the back may cause issues. Since you can get shelving up to 48" deep, it's important to understand what you will be storing in order to pick the right shelf size.

Rivet shelving has 12", 18", 24" 36" and 48" depths available. Metal clip shelving offers 12", 18" and 24" depths, while wire shelving has 18" and 24" standard depths.



(4) Determine capacity needed: Determine the weight each shelf will need to bear based on the weight of stored product, and number of products per shelf. This determines the needed shelf capacity. Note that this capacity is based upon evenly distributed loads. Shelving weight capacities: Rivet shelving ranges from 350 to 1,850 pounds per shelf. Metal clip shelving capacities range from 500 to 850 pounds per shelf. Wire shelving capacities range from 600-800 pounds per shelf. Some higher capacity shelving may have more shelf capacity than post capacity. For extremely heavy duty shelving applications, contact us for assistance.



(5) Determine overall shelving height: Some factors that may help determine this are: Ceiling height and number of shelf openings required. Shelf openings are the space between shelf levels, from top of shelf to top of shelf. For example, a seven shelf unit will have six openings. To determine your shelf opening size, you should consider your product height.

Standard steel shelving heights are: 75", 87" (most common), and 99". Rivet shelving can be cut to virtually any height, but 84" is the standard stock height. Wire shelving posts are 63", 74" and 66" tall with other sizes available.

(6) Check our website for more assistance, specs, and details: At www.cisco-eagle.com, you'll find online calculators, a detailed online catalog, articles, detailed guides, shelving application forms, downloadable literature, and more to help you choose exactly the right shelving type and size for your application. You can always call us for instant assistance.



Store & organize record storage boxes easily, safely with high-density archival shelves



High density, high capacity

Shelving allows you to store and access boxed records easily and economically. Records are kept safely off the floor in a high capacity shelving unit that will give you many years of reliable storage. Since it doesn't have cross bracing, rivet shelving allows the easiest possible access to your stored boxes. You can pull them from either side, even from the middle of your shelf. Easy-to-assemble units only require a hard rubber mallet or a hammer to install. Boxes are not included.



- 24, 48 or 80 boxes can be stored on each shelving unit
- High capacity structure can hold a fully loaded row of boxes
- Box guides are available
- Number of boxes stored is based on a standard record archive storage box, approximately 12.5" wide x 16.5" deep x 10.5" high
- Bankers boxes are not included
- 30" deep units assume boxes are stored double-deep for purposes of box capacity
- Steel components are finished in standard 723 light putty

W x D x H (Inches)	Cap. (Lbs.)	Box Count	Without decking				With 5/8" particle board decking			
			Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
42 x 15 x 84	1400	24	7D-4215-4H	53.6	7DA-4215-4H	51.6	7D-4215-4HW	92	7DA-4215-4HW	90
42 x 30 x 84	1400	48	7D-4230-4H	65.6	7DA-4230-4H	63.6	7D-4230-4HW	142.4	7DA-4230-4HW	140.4
69 x 15 x 84	1050	40	7D-6915-4H	75.2	7DA-6915-4H	73.2	7D-6915-4HW	138.4	7DA-6915-4HW	136.4
69 x 30 x 84	1050	80	7D-6930-4H	87.2	7DA-6930-4H	85.2	7D-6930-4HW	213.2	7DA-6930-4HW	211.2

Combine adjustable rivet shelving with rugged poly bins for organized storage

You can stack it deep on this ultra-heavy-duty bin shelf storage system. Rivet shelving is economical, versatile and strong. Since the shelving has no side or X-braces so you have access to stored material from all four sides for real convenience.

Remove, restock, and stack the included bins to meet your needs. Bins are built to last with heavy, high-density FDA-approved polypropylene/polyethylene to handle your bulk loads. They are easy to clean and resist rust, corrosion, and most chemicals.



Above: PB-32240; Above/
left: PB-8700. Bins are
ordered one color per
shelving unit.

- Easy boltless assembly—10 minute setup
- Extra heavy duty shelves support 750 lbs. per shelf
- 4 sided access—no "X" braces
- Choose bin color when you order; one color per unit: yellow, red, blue, ivory, or green

Model Number	D x W x H (Inches)	No. of Shelves	Bin Type & Quantity	Bin Size(s) (Inches)	Wt. (Lbs.)
PB-32239	12 x 36 x 63	4	32-ea. QUS 239	10-3/4" x 8-1/4" x 7"	119
PB-32240	15 x 36 x 63		32-ea. QUS 240	14-3/4" x 8-1/4" x 7"	138
PB-16250	15 x 36 x 63		16-ea. QUS 250	14-3/4" x 16-1/2" x 7"	130
PB-MIX-32	15 x 36 x 63		12-ea. QUS 230, 16-ea. QUS 240, 4-ea. QUS 250	QUS 230: 10-7/8" x 5-1/2" x 5"; QUS 240: 14-3/4" x 8-1/4" x 7"; QUS 250: 14-3/4" x 16-1/2" x 7"	127
PB-8700	15 x 40 x 63		8-ea. QGH 700	15-1/4" x 19-7/8" x 12-16/17"	115

Heavy-duty double rivet shelving: hand-loads from 500 to 1,850 lbs. per shelf level

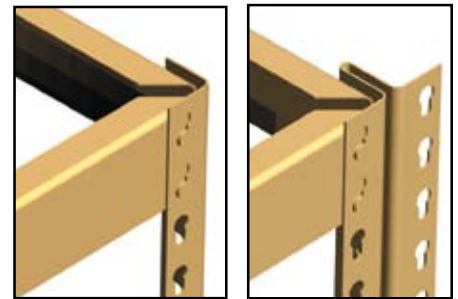


webtools.cisco-eagle.com/rivetrite

Budgetary estimates for materials and shipping, including drawings and component lists, right in your web browser with this exclusive website estimator. Lay out a row of shelving, a single unit, or an entire room in just a few minutes.



Double rivet high-density shelving provides easy access to bulky stored products. Simple components lock rigidly to form exceptionally strong shelving. Perfect for commercial, warehousing, tool crib, stockroom, & industrial applications. It's easy to move or reconfigure. You can access items from all sides because there are no back or side braces in your way. Installs quickly, without special tools.



Left: angle post connection used on four sides for starter units. Right: tee post connection. Tee posts are used to connect rows of interlocked shelving

Specs & Features

- Shelf levels adjust on 1-1/2" centers
- Designed for hand loading only
- Freestanding starter units have 4 angle posts. Adder units use 2 Tee Posts which are shared with an adjacent unit
- Finished in 723 Light Putty baked enamel
- Choose 5/8" underlayment particle board decking or no-deck to provide your deck
- Standard Units have double rivet beams angle beams on all four sides
- Adding center supports to standard shelves increases the capacity. The greatest weight capacity is obtained by using channel beams across front & the back of shelves

W x D x H (Inches)	Cap. (Lbs.)	No decking material - steel only				With 5/8" particle board decking			
		Starter Model Number	Wt. (Lbs.)	Adder Model Number	Wt. (Lbs.)	Stater Model Number	Wt. (Lbs.)	Adder Model Number	Wt. (Lbs.)
Standard Duty Shelves - standard duty beams: handles loads ranging from 500 to 750 pounds per shelf level									
48 x 12 x 84	750	7D-4812-4	56	7DA-4812-4	54	7D-4812-4W	91.2	7DA-4812-4W	89.2
48 x 18 x 84		7D-4818-4	59.2	7DA-4818-4	57.2	7D-4818-4W	112	7DA-4818-4W	110
48 x 24 x 84		7D-4824-4	62.4	7DA-4824-4	60.4	7D-4824-4W	132.8	7DA-4824-4W	130.8
48 x 36 x 84		7D-4836-4	68	7DA-4836-4	66	7D-4836-4W	173.2	7DA-4836-4W	171.2
48 x 48 x 84		7D-4848-4	80	7DA-4848-4	78	7D-4848-4W	220	7DA-4848-4W	218
60 x 18 x 84	600	7D-6018-4	66.4	7DA-6018-4	64.4	7D-6018-4W	132.4	7DA-6018-4W	130.4
60 x 24 x 84		7D-6024-4	69.6	7DA-6024-4	67.6	7D-6024-4W	157.2	7DA-6024-4W	155.2
60 x 36 x 84		7D-6036-4	75.2	7DA-6036-4	73.2	7D-6036-4W	206.8	7DA-6036-4W	204.8
60 x 48 x 84		7D-6048-4	87.2	7DA-6048-4	85.2	7D-6048-4W	262.4	7DA-6048-4W	260.4
72 x 18 x 84	500	7D-7218-4	74.4	7DA-7218-4	72.4	7D-7218-4W	153.2	7DA-7218-4W	151.2
72 x 24 x 84		7D-7224-4	77.6	7DA-7224-4	75.6	7D-7224-4W	182.8	7DA-7224-4W	180.8
72 x 36 x 84		7D-7236-4	83.2	7DA-7236-4	81.2	7D-7236-4W	240.8	7DA-7236-4W	238.8
Standard duty shelves - with center support: handles loads from 620 to 1,400 pounds per shelf level									
48 x 12 x 84	1400	7D-4812-4H	60	7DA-4812-4H	58	7D-4812-4HW	95.2	7DA-4812-4HW	93.2
48 x 18 x 84		7D-4818-4H	64.8	7DA-4818-4H	62.8	7D-4818-4HW	117.6	7DA-4818-4HW	115.6
48 x 24 x 84		7D-4824-4H	87.6	7DA-4824-4H	85.6	7D-4824-4HW	158	7DA-4824-4HW	156
48 x 36 x 84	1220	7D-4836-4H	78.8	7DA-4836-4H	76.8	7D-4836-4HW	184	7DA-4836-4HW	182
48 x 48 x 84	1125	7D-4848-4H	94	7DA-4848-4H	92	7D-4848-4HW	234	7DA-4848-4HW	232
60 x 18 x 84	1200	7D-6018-4H	72	7DA-6018-4H	70	7D-6018-4HW	138	7DA-6018-4HW	136
60 x 24 x 84		7D-6024-4H	94.8	7DA-6024-4H	92.8	7D-6024-4HW	182.4	7DA-6024-4HW	180.4
60 x 36 x 84		7D-6036-4H	86	7DA-6036-4H	84	7D-6036-4HW	217.6	7DA-6036-4HW	215.6
60 x 48 x 84		7D-6048-4H	101.2	7DA-6048-4H	99.2	7D-6048-4HW	276.4	7DA-6048-4HW	274.4
72 x 18 x 84	1000	7D-7218-4H	80	7DA-7218-4H	78	7D-7218-4HW	158.8	7DA-7218-4HW	156.8
72 x 24 x 84		7D-7224-4H	102.8	7DA-7224-4H	100.8	7D-7224-4HW	208	7DA-7224-4HW	206
72 x 36 x 84		7D-7236-4H	94	7DA-7236-4H	92	7D-7236-4HW	251.6	7DA-7236-4HW	249.6
72 x 48 x 84		7D-7248-4H	109.2	7DA-7248-4H	107.2	7D-7248-4HW	319.6	7DA-7248-4HW	317.6
96 x 18 x 84	620	7D-9618-4H	100	7DA-9618-4H	98	7D-9618-4HW	205.2	7DA-9618-4HW	203.2
96 x 24 x 84		7D-9624-4H	142.4	7DA-9624-4H	140.4	7D-9624-4HW	282.4	7DA-9624-4HW	280.4
96 x 36 x 84		7D-9636-4H	119.2	7DA-9636-4H	117.2	7D-9636-4HW	329.6	7DA-9636-4HW	327.6
96 x 48 x 84		7D-9648-4H	137.6	7DA-9648-4H	135.6	7D-9648-4HW	417.6	7DA-9648-4HW	415.6
Extra Heavy Duty - Channel Beam & Center Supports: 1,400 to 1,850 pounds capacity per level									
72 x 18 x 84	1850	7DC-7218-4H	101.9	7DCA-7218-4H	90	7DC-7218-4HW	180.7	7DCA-7218-4HW	168.8
72 x 24 x 84		7DC-7224-4H	106.7	7DCA-7224-4H	94.8	7DC-7224-4HW	211.9	7DCA-7224-4HW	200
72 x 36 x 84		7DC-7236-4H	115.9	7DCA-7236-4H	104	7DC-7236-4HW	273.5	7DCA-7236-4HW	261.6
72 x 48 x 84		7DC-7248-4H	131.1	7DCA-7248-4H	119.2	7DC-7248-4HW	341.5	7DCA-7248-4HW	329.6
96 x 18 x 84	1400	7DC-9618-4H	129.6	7DCA-9618-4H	114.8	7DC-9618-4HW	234.8	7DCA-9618-4HW	220
96 x 24 x 84		7DC-9624-4H	136	7DCA-9624-4H	121.2	7DC-9624-4HW	276	7DCA-9624-4HW	261.2
96 x 36 x 84		7DC-9636-4H	148.8	7DCA-9636-4H	134	7DC-9636-4HW	359.2	7DCA-9636-4HW	344.4
96 x 48 x 84		7DC-9648-4H	167.2	7DCA-9648-4H	152.4	7DC-9648-4HW	447.2	7DCA-9648-4HW	432.4

Single rivet shelving allows unobstructed access, up to 350 lbs. capacity per shelf

W x D x H (Inches)	No. of Shelves	Cap. (Lbs.)	No decking material - steel only				With 5/8" particle board decking			
			Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
36 x 12 x 84	5	350	7S-3612-5	42.4	7SA-3612-5	39.8	7S-3612-5W	75.4	7SA-3612-5W	72.8
	6		7S-3612-6	45.6	7SA-3612-6	43	7S-3612-6W	85.2	7SA-3612-6W	82.6
	7		7S-3612-7	48.8	7SA-3612-7	46.2	7S-3612-7W	95	7SA-3612-7W	92.4
	8		7S-3612-8	52	7SA-3612-8	49.4	7S-3612-8W	104.8	7SA-3612-8W	102.2
36 x 15 x 84	5		7S-3615-5	43.4	7SA-3615-5	40.7	7S-3615-5W	84.4	7SA-3615-5W	81.7
	6		7S-3615-6	46.6	7SA-3615-6	43.9	7S-3615-6W	95.8	7SA-3615-6W	93.1
	7		7S-3615-7	49.8	7SA-3615-7	47.1	7S-3615-7W	107.2	7SA-3615-7W	104.5
	8		7S-3615-8	53	7SA-3615-8	50.3	7S-3615-8W	118.6	7SA-3615-8W	115.9
36 x 18 x 84	5		7S-3618-5	44.6	7SA-3618-5	41.7	7S-3618-5W	94.6	7SA-3618-5W	91.7
	6		7S-3618-6	47.8	7SA-3618-6	44.9	7S-3618-6W	107.8	7SA-3618-6W	104.9
	7		7S-3618-7	51	7SA-3618-7	48.1	7S-3618-7W	121	7SA-3618-7W	118.1
	8		7S-3618-8	54.2	7SA-3618-8	51.3	7S-3618-8W	134.2	7SA-3618-8W	131.3
36 x 24 x 84	5		7S-3624-5	46.6	7SA-3624-5	43.5	7S-3624-5W	112.6	7SA-3624-5W	109.5
	6		7S-3624-6	49.8	7SA-3624-6	46.7	7S-3624-6W	129	7SA-3624-6W	125.9
	7		7S-3624-7	53	7SA-3624-7	49.9	7S-3624-7W	145.4	7SA-3624-7W	142.3
	8		7S-3624-8	56.2	7SA-3624-8	53.1	7S-3624-8W	161.8	7SA-3624-8W	158.7
42 x 12 x 84	5	300	7S-4212-5	45.8	7SA-4212-5	43.2	7S-4212-5W	84.3	7SA-4212-5W	81.7
	6		7S-4212-6	49.6	7SA-4212-6	47	7S-4212-6W	95.8	7SA-4212-6W	93.2
	7		7S-4212-7	53.4	7SA-4212-7	50.8	7S-4212-7W	107.3	7SA-4212-7W	104.7
	8		7S-4212-8	57.2	7SA-4212-8	54.6	7S-4212-8W	118.8	7SA-4212-8W	116.2
42 x 15 x 84	5		7S-4215-5	46.8	7SA-4215-5	44.1	7S-4215-5W	94.8	7SA-4215-5W	92.1
	6		7S-4215-6	50.6	7SA-4215-6	47.9	7S-4215-6W	108.2	7SA-4215-6W	105.5
	7		7S-4215-7	54.4	7SA-4215-7	51.7	7S-4215-7W	121.6	7SA-4215-7W	118.9
	8		7S-4215-8	58.2	7SA-4215-8	55.5	7S-4215-8W	135	7SA-4215-8W	132.3
42 x 18 x 84	5		7S-4218-5	48	7SA-4218-5	45.1	7S-4218-5W	105.5	7SA-4218-5W	102.6
	6		7S-4218-6	51.8	7SA-4218-6	48.9	7S-4218-6W	120.8	7SA-4218-6W	117.9
	7		7S-4218-7	55.6	7SA-4218-7	52.7	7S-4218-7W	136.1	7SA-4218-7W	133.2
	8		7S-4218-8	59.4	7SA-4218-8	56.5	7S-4218-8W	151.4	7SA-4218-8W	148.5
42 x 24 x 84	5		7S-4224-5	50	7SA-4224-5	46.9	7S-4224-5W	127	7SA-4224-5W	123.9
	6		7S-4224-6	53.8	7SA-4224-6	50.7	7S-4224-6W	146.2	7SA-4224-6W	143.1
	7		7S-4224-7	57.6	7SA-4224-7	54.5	7S-4224-7W	165.4	7SA-4224-7W	162.3
	8		7S-4224-8	61.4	7SA-4224-8	58.3	7S-4224-8W	184.6	7SA-4224-8W	181.5
48 x 12 x 84	5	250	7S-4812-5	51.4	7SA-4812-5	70.8	7S-4812-5W	95.4	7SA-4812-5W	114.8
	6		7S-4812-6	55.6	7SA-4812-6	75	7S-4812-6W	108.4	7SA-4812-6W	127.8
	7		7S-4812-7	59.8	7SA-4812-7	79.2	7S-4812-7W	121.4	7SA-4812-7W	140.8
	8		7S-4812-8	64	7SA-4812-8	83.4	7S-4812-8W	134.4	7SA-4812-8W	153.8
48 x 15 x 84	5		7S-4815-5	52.4	7SA-4815-5	71.7	7S-4815-5W	96.4	7SA-4815-5W	115.7
	6		7S-4815-6	56.6	7SA-4815-6	75.9	7S-4815-6W	109.4	7SA-4815-6W	128.7
	7		7S-4815-7	60.8	7SA-4815-7	80.1	7S-4815-7W	122.4	7SA-4815-7W	141.7
	8		7S-4815-8	65	7SA-4815-8	84.3	7S-4815-8W	135.4	7SA-4815-8W	154.7
48 x 18 x 84	5		7S-4818-5	53.6	7SA-4818-5	72.7	7S-4818-5W	119.6	7SA-4818-5W	138.7
	6		7S-4818-6	57.8	7SA-4818-6	76.9	7S-4818-6W	137	7SA-4818-6W	156.1
	7		7S-4818-7	62	7SA-4818-7	81.1	7S-4818-7W	154.4	7SA-4818-7W	173.5
	8		7S-4818-8	66.2	7SA-4818-8	85.3	7S-4818-8W	171.8	7SA-4818-8W	190.9
48 x 24 x 84	5		7S-4824-5	55.6	7SA-4824-5	74.5	7S-4824-5W	143.6	7SA-4824-5W	162.5
	6		7S-4824-6	59.8	7SA-4824-6	78.7	7S-4824-6W	165.4	7SA-4824-6W	184.3
	7		7S-4824-7	64	7SA-4824-7	82.9	7S-4824-7W	187.2	7SA-4824-7W	206.1
	8		7S-4824-8	68.2	7SA-4824-8	87.1	7S-4824-8W	209	7SA-4824-8W	227.9



8-shelf
starter &
adder with
wood deck
included—
complete
units
ready to
assemble.



8-shelf
starter
& adder
without
decking

Clear spans for maximum access

Single rivet shelves offer lower capacity and more accessibility than double rivet units. Single Built with single rivet beams on intermediate levels, and double rivet beams at the top & bottom for rigidity.

Single Rivet Specifications

- Starters have 4 angle posts and stand on their own. Adders use 2 Tee Posts which are shared with an adjacent unit
- Using starters and adders can be more cost effective than using all starters
- Double rivet beams are used on all four sides of the top and bottom shelves. Single rivet beams are used across the front and the back of intermediate shelves
- We can provide you a quotation for shelving deeper than 24" deep with single rivet beams on all shelf sides



Rivet shelving notes (double & single rivet)

- Where to get decking if you buy shelves without it: (a) purchase decking through a local lumberyard or other source. This can save money due to the cost of shipping heavy particle board. (b) Utilize wire decking (ask us for details); (c) utilize materials you have on hand—please check for safety; we recommend nothing less sturdy than 5/8" particle board.
- Listed capacities are **per shelf level**, and are calculated on the basis of beam strength. They are expressed in pounds for evenly distributed loads.
- Consider shelf, posts, and decking when calculating overall capacity. Changing the number of shelves affects post capacity; fewer shelves, spaced farther apart decreases post capacity. Adding more shelves increases post capacity—to a point. It's possible to add more higher capacity shelves than the posts can bear. Contact us for assistance with overall capacity.

Ultra-strong wire shelving maximizes air circulation and light penetration



Industrial Wire Shelving is a versatile, durable, easily adjustable choice for your material handling needs. Because of its wire construction, it doesn't collect dust or block sprinkler systems. It's constructed of tough carbon steel plated in bright zinc, then lacquer-coated for an attractive, bright finish.

Patented QuadTruss® design, provides 25% greater strength. With its simple modular assembly, literally hundreds of configurations are possible. This shelving features exclusive Eaglebrite® zinc finish for improved rust protection, with a 3-year warranty on the finish. The shelves feature air-dry lacquer, NSF-listed for all environments. The system layers four coats of protection onto your shelving: Zinc chloride plating followed by clear chromate plating followed by clear

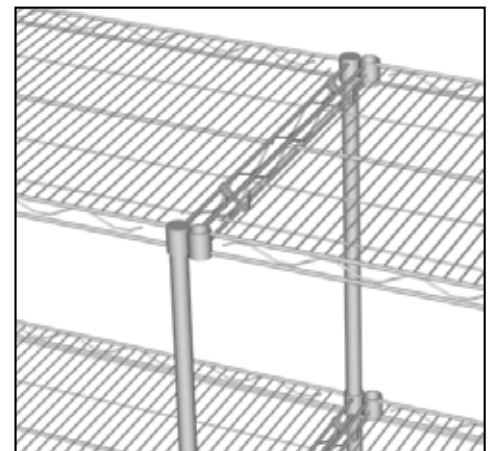
chromate plating with MasterSeal, finished with air-dry lacquer for a gleaming, resistant finish.

Lab-tested strength, easy assembly

- Shelves incorporate more serpentine trusses (both interior and exterior) and mat continuity support wires, adding significant strength
- Laboratory tests show that Eagle wire shelving is 25% stronger than competing shelves
- Posts numbered in 1" increments for fast assembly, adjustment and leveling
- Tapered split sleeves of high-temperature-resistant ABS plastic create a positive lock that becomes stronger as the load increases
- Leveling feet compensate for uneven floors

Assembly: numerically calibrated grooved posts, tapered plastic sleeves and shelf collars combine to make shelving assembly an easy, two-step process: (1) snap split sleeves onto a post over the number of your choice; (2) slide a shelf collar over the split sleeves. A positive lock between shelf and post is created without any tools.

BELOW: S-hooks connect adder shelves to starter units. Utilize starters & adders to create a row of shelving.



LEFT: 5-shelf starter; RIGHT: 5-shelf adder

Wire shelving features exclusive Eaglebrite® zinc finish for improved rust protection, with a 3-year warranty on the finish. The shelves feature air-dry lacquer, NSF-listed for all environments. The system layers four coats of protection onto your shelving: Zinc chloride plating followed by clear chromate plating with MasterSeal, finished with air-dry lacquer for a gleaming, resistant finish.

Height (Inches)	W x D (Inches)	No. Of Shelves	Shelf Cap.	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
63"	48" x 18"	4	800	S4-63-1848Z	63	A4-63-1848Z	56
	48" x 24"		800	S4-63-2448Z	79	A4-63-2448Z	72
	60" x 18"		600	S4-63-1860Z	82	A4-63-1860Z	75
	60" x 24"		600	S4-63-2460Z	98	A4-63-2460Z	91
	72" x 18"		600	S4-63-1872Z	94	A4-63-1872Z	87
	72" x 24"		600	S4-63-2472Z	120	A4-63-2472Z	113
74"	48" x 18"	4	800	S4-74-1848Z	78	A4-74-1848Z	80
	48" x 18"	5	800	S5-74-1848Z	78	A5-74-1848Z	80
	48" x 24"	4	800	S4-74-2448Z	98	A4-74-2448Z	90
	48" x 24"	5	800	S5-74-2448Z	98	A5-74-2448Z	90
	60" x 18"	4	600	S4-74-1860Z	102	A4-74-1860Z	93
	60" x 18"	5	600	S5-74-1860Z	102	A5-74-1860Z	93
	60" x 24"	4	600	S4-74-2460Z	122	A4-74-2460Z	113
	60" x 24"	5	600	S5-74-2460Z	122	A5-74-2460Z	113
	72" x 18"	4	600	S4-74-1872Z	117	A4-74-1872Z	108
	72" x 18"	5	600	S5-74-1872Z	117	A5-74-1872Z	108
	72" x 24"	4	600	S4-74-2472Z	149	A4-74-2472Z	141
	72" x 24"	5	600	S5-74-2472Z	149	A5-74-2472Z	141
86"	48" x 18"	5	800	S5-86-1848Z	80	A5-86-1848Z	71
	48" x 24"		800	S5-86-2448Z	100	A5-86-2448Z	91
	60" x 18"		600	S5-86-1860Z	105	A5-86-1860Z	96
	60" x 24"		600	S5-86-2460Z	125	A5-86-2460Z	116
	72" x 18"		600	S5-86-1872Z	120	A5-86-1872Z	111
	72" x 24"		600	S5-86-2472Z	150	A5-86-2472Z	141

Put your wire shelves on wheels for stable, easy transportability

Model Number	W x D x H (Inches)	Shelf Cap.	Caster Type	Wheel Tread	Wt. (Lbs.)
CC1836Z-S	36" x 18" x 68"	800	Swivel	resilient tread	58
CC1836Z-SP				poly tread	
CC1836Z-SB			Swivel/brake	resilient tread	
CC1836Z-SBP				poly tread	
CC1836Z-SR			Swivel/rigid	resilient tread	
CC1836Z-SRP				poly tread	
CC2436Z-S	36" x 24" x 68"		Swivel	resilient tread	74
CC2436Z-SP				poly tread	
CC2436Z-SB			Swivel/brake	resilient tread	
CC2436Z-SBP				poly tread	
CC2436Z-SR			Swivel/rigid	resilient tread	
CC2436Z-SRP				poly tread	
CC1848Z-S	48" x 18" x 68"		Swivel	resilient tread	70
CC1848Z-SP				poly tread	
CC1848Z-SB			Swivel/brake	resilient tread	
CC1848Z-SBP				poly tread	
CC1848Z-SR			Swivel/rigid	resilient tread	
CC1848Z-SRP				poly tread	
CC2448Z-S	48" x 24" x 68"		Swivel	resilient tread	90
CC2448Z-SP				poly tread	
CC2448Z-SB			Swivel/brake	resilient tread	
CC2448Z-SBP				poly tread	
CC2448Z-SR			Swivel/rigid	resilient tread	
CC2448Z-SRP				poly tread	
CC1860Z-S	60" x 18" x 68"	600	Swivel	resilient tread	86
CC1860Z-SP				poly tread	
CC1860Z-SB			Swivel/brake	resilient tread	
CC1860Z-SBP				poly tread	
CC1860Z-SR			Swivel/rigid	resilient tread	
CC1860Z-SRP				poly tread	
CC2460Z-S	60" x 24" x 68"		Swivel	resilient tread	110
CC2460Z-SP				poly tread	
CC2460Z-SB			Swivel/brake	resilient tread	
CC2460Z-SBP				poly tread	
CC2460Z-SR			Swivel/rigid	resilient tread	
CC2460Z-SRP				poly tread	

Stem caster carts are sturdy, mobile four-shelf carts. All carts feature 63" tall posts in a variety of depths and widths and 5" wheels. Patented QuadTruss® design makes shelves up to 25% stronger and provides retaining ledge for increased storage stability and product retention. Open wire construction promotes higher visibility by allowing light to pass through the shelves, permits greater air circulation which helps reduce dust and contamination build up, and increases the effectiveness of fire suppression systems. Posts are numbered on vertical one inch increments to help ensure fast and level assembly - shelving can be adjusted up and down every inch for optimum cart configuration. Casters equipped with donut bumpers to help protect the load from impact shock.



Casters & wheels

- 1) Swivel configurations provides the easiest maneuverability. Carts can be turned 360° within their own radius.
- 2) Rigid/Swivel configurations allow more precise control. Excellent for pushing the cart in longer, straight lines.
- 3) Brake configurations allow you to lock the shelving into place when needed.
- 4) Poly tread wheels are longer lasting.
- 5) Resilient tread wheels are harder and more maneuverable.



Mobile shelving can also be ordered with shock-absorbing dolly base for extra product protection and stability.

Store lots of bins in a little space with high-visibility, adjustable wire shelves

Model Number	Bin Type	D x W (Inches)	No. Shelves	Total Bins	Bin Type	Wt. (Lbs.)
WR12-101	Shelf Bins	12" x 36"	12	77	QSB-101	155
WR12-102			12	55	QSB-102	149
WR12-107			12	44	QSB-107	149
WR12-109			12	33	QSB-109	145
WR12-103		18" x 36"	12	77	QSB-103	191
WR12-104			12	55	QSB-104	184
WR12-108			12	44	QSB-108	189
WR12-110			12	33	QSB-110	186
WR8-950		24" x 36"	8	28	QUS950	209
WR8-952			8	21	QUS952	209
WR8-950952			8	24	Various	203
WR7-951			7	24	QUS951	190
WR7-20-MIX			7	20	Various	169
WR6-953			6	15	QUS953	185
WR6-954			6	10	QUS954	190
WR12-105			12	77	QSB-105	237
WR12-106			12	55	QSB-106	235
WR12-114			12	44	QSB-114	244
WR12-116			12	33	QSB-116	232
WR5-600	Giant Stack Containers	18" x 36"	5	12	QGH-600	106
WR5-800			5	8	QGH-800	110
WR5-700		18" x 42"	5	8	QGH-700	102
WR9-531	Magnum Bins	18" x 42"	9	24	QMS-531	195
WR7-532			7	18	QMS-532	166
WR5-533			5	12	QMS-533	135
WR5-543			5	8	MS-543	139
WR6-13-MIX			6	13	Various	157
WR74-1848-110103	High Density Containers	18" x 48"	7	110	QSB-103	168
WR74-1848-103104			7	91	Various	164
WR74-1848-66104			7	66	QSB-104	156
WR74-2448-110105		24" x 48"	7	110	QSB-105	180
WR74-2448-105106			7	91	Various	176
WR74-2448-66106			7	66	QSB-106	168
WR74-1860-103104		18" x 60"	7	118	Various	229
WR74-1860-88104			7	88	QSB-104	209
WR74-2460-143105		24" x 60"	7	143	QSB-105	256
WR74-2460-105106			7	118	Various	261
WR74-2460-88106			7	88	QSB-106	241
WR74-1872-176103		18" x 72"	7	176	QSB-103	264
WR74-1872-103104			7	140	Various	256
WR74-1872-110104			7	110	QSB-104	246
WR74-2472-176105		24" x 72"	7	176	QSB-105	312
WR74-2474-105106			7	140	Various	304
WR74-2472-110106			7	110		294
WR8-970	Jumbo Bins	30" x 36"	8	28	QUS970	209
WR6-973			6	15	QUS973	185
WR6-974			6	10	QUS974	190
WR5-975		30" x 42"	5	8	QUS975	167

Wire shelving with bins provides unobstructed access to stored parts. Easy to assemble shelves are finished in durable chrome. Air circulation and visibility are increased while space is saved. These units offer 800 pounds capacity per shelf, and high quality, adjustable shelves that will last for years of dedicated service. All bins are included. Specify bin color—one color per shelving unit. Shelving is 74" tall.



Shelving With Shelf Bins

Shelf Bins economically store parts and components. Built-in rear hanglock allows the bin to tilt out and stay in place while you restock or pull parts. A wide hopper front allows complete access to the contents. Reinforced edges for added strength. Choose shelving units from 12" x 36" to 24" x 36", 6-12 total shelves, and up to 77 bins.

With Giant Stack Bins

Ideal for recycling, parts storage, tools and warehouse item applications. Injection molded from high-density polyethylene, it's easy to clean, resists rust, corrosion, and most chemicals. Extra thick side walls with reinforcing ribs give them a rugged 100-lb. stack capacity per bin. Large grip side handles make handling a breeze.



With Magnum Bins

Heavy duty, extra strong injection-molded, high-density polyethylene bins are ideal for transportation and storage of large and heavy parts. Open hopper front allows immediate access and visibility to stored contents. 18 x 42" shelving units offered with up to 24 total bins.

High Density Shelf Bins

Utilizes smaller shelf bins to create maximum storage locations. Outstanding for small parts & components. Available in widths of 48", 60", & 72". Bin quantities: 55 to 176. (Shown w/ optional casters)



With Jumbo Bins

These extra large stacking containers offer a generous 2 to 2½ feet in length to store your larger items. Wide stacking ledge and anti-slide lock keep stacked bins steady and prevent forward shifting.

Optional mobility kits

Easily make your wire bin shelving into a mobile cart. Order model #WRH-00H for casters, model #DB for donut bumpers.



Get maximum storage in minimum space with overhead track storage systems

Overhead high density storage system lets you control space, pick faster, store more

Unique roller assembly eliminates binding which can occur in other track systems and allows longer track length without a stationary intermediate unit. Because the rails are mounted atop the shelving, overhead track systems eliminate binding due to uneven floors. System requires only single-aisle access. Caster lock assembly makes for smooth rollability and easy control of the shelving.

- Shelves are adjustable, easy to clean and use
- Since there are no floor rails, carts can be used inside the aisles
- Extremely stable and easy to adjust
- Two stationary shelves with mobile units in the center allows access to any shelving aisle easily and quickly
- End kits & mobile kits (shelf widths from 18"-36", 74" or 86" posts). You specify the number of shelves needed per unit
- Overhead tracks available in lengths from 6' to 21'. Rails more than 9' long are shipped in multiple sections with joiner pieces & hardware





Consolidate space, increase efficiency with floor-trak wire shelving

Floor track shelving is a very simple, expandable system that allows you to reclaim space. It allows for rows of mobile wire shelves. It can be configured double-deep without impeding rollability. The system uses low-profile, non-corrosive tracks constructed of stainless steel and anodized aluminum. Shelves are conveyed on industrial-grade, hardened steel bearings so even fully loaded shelving units glide effortlessly over the tracks. NSF approved and ADA compliant.

- You can easily add on tracks and shelving units as needs change
- Simple and easy to install, the system consists of shelves, floor tracks, skate kits, and double-deep inside posts
- Floor tracks are available in lengths of 6' to 21' lengths in 1' increments, in single and double-deep configurations. For tracks longer than 21', combine multiple sizes; a 30' mobile shelving unit could be made with a 10' and a 20' track
- Skate kits are made from aircraft-quality aluminum with stainless steel inserts and hardened steel ball bearings. One kit is required for each mobile shelving unit
- Many finishes, from zinc to epoxies to stainless steel are available
- Open construction allows for cart covers when required
- Maximum post height per skate size: 18", 21", & 24" wide skates on 74" post height or less; 30" & 36" wide skates on 86" post height or less



Store heavyweight industrial-duty loads with adjustable metal clip shelving

OPEN STEEL SHELVING							
Shelving Type	W x D x H (Inches)	No. Shelves	Cap. (Lbs.)	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
<div></div> <div><p>Open-Type:</p><p>Shelves utilize sway braces to provide stability to the shelving unit.</p><p>It costs less than a closed shelf and provides open air access to stored items.</p><p>You can share a common back or side sway brace between adjacent units.</p><p><i>Left: 6, 7, & 8 shelf clip style open shelving</i></p></div>	36 x 18 x 87	6	850	1AO-3618-6-S	87.4	1AO-3618-6-A	86
		7		1AO-3618-7-S	96.9	1AO-3618-7-A	95.5
		8		1AO-3618-8-S	106.4	1AO-3618-8-A	105
	36 x 24 x 87	6	800	1AO-3624-6-S	100.8	1AO-3624-6-A	99
		7		1AO-3624-7-S	112.4	1AO-3624-7-A	110.6
		8		1AO-3624-8-S	124	1AO-3624-8-A	122.2
	36 x 36 x 87	6	500	1AO-3636-6-S	128.6	1AO-3636-6-A	126.1
		7		1AO-3636-7-S	144.6	1AO-3636-7-A	142.
		8		1AO-3636-8-S	160.6	1AO-3636-8-A	158.1
	42 x 12 x 87	6	600	1AO-4212-6-S	80	1AO-4212-6-A	79
		7		1AO-4212-7-S	88.3	1AO-4212-7-A	87.3
		8		1AO-4212-8-S	96.6	1AO-4212-8-A	95.6
	42 x 18 x 87	6		1AO-4218-6-S	95.8	1AO-4218-6-A	94.4
		7		1AO-4218-7-S	106.6	1AO-4218-7-A	105.2
		8		1AO-4218-8-S	117.4	1AO-4218-8-A	116
	42 x 24 x 87	6		1AO-4224-6-S	111.6	1AO-4224-6-A	109.8
		7		1AO-4224-7-S	124.9	1AO-4224-7-A	123.1
		8		1AO-4224-8-S	138.2	1AO-4224-8-A	136.4
	48 x 12 x 87	6	500	1AO-4812-6-S	86.6	1AO-4812-6-A	85.6
		7		1AO-4812-7-S	96	1AO-4812-7-A	95
		8		1AO-4812-8-S	105.4	1AO-4812-8-A	104.4
	48 x 18 x 87	6		1AO-4818-6-S	104.2	1AO-4818-6-A	102.8
		7		1AO-4818-7-S	116.4	1AO-4818-7-A	115
		8		1AO-4818-8-S	128.6	1AO-4818-8-A	127.2
	48 x 24 x 87	6		1AO-4824-6-S	121.8	1AO-4824-6-A	120
		7		1AO-4824-7-S	136.8	1AO-4824-7-A	135
		8		1AO-4824-8-S	151.8	1AO-4824-8-A	150
CLOSED STEEL SHELVING							
Shelving Type	W x D x H (Inches)	No. Shelves	Cap. (Lbs.)	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
<div></div> <div><p>Closed Type</p><p>Utilizes sheet metal panels at the sides and the back of the shelving unit for stability, and to close off the shelves.</p><p>Provides a cleaner, more finished look than open shelving, and prevents product from being pushed off the shelf.</p><p>You can share a common back or side panel between adjacent units.</p><p><i>Left: 6, 7, & 8 shelf clip style closed shelving</i></p></div>	36 x 18 x 87	6	850	1AC-3618-6-S	120.7	1AC-3618-6-A	112.3
		7		1AC-3618-7-S	130.2	1AC-3618-7-A	121.8
		8		1AC-3618-8-S	139.7	1AC-3618-8-A	131.3
	36 x 24 x 87	6	800	1AC-3624-7-S	151.9	1AC-3624-7-A	140
		7		1AC-3624-8-S	163.5	1AC-3624-8-A	151.6
		8		1AC-3624-6-S	140.3	1AC-3624-6-A	128.4
	36 x 36 x 87	6	500	1AC-3636-7-S	196.3	1AC-3636-7-A	177.6
		7		1AC-3636-8-S	212.3	1AC-3636-8-A	193.6
		8		1AC-3636-6-S	180.3	1AC-3636-6-A	161.6
	42 x 12 x 87	6	600	1AC-4212-7-S	118.7	1AC-4212-7-A	113.7
		7		1AC-4212-8-S	127	1AC-4212-8-A	122
		8		1AC-4212-6-S	110.4	1AC-4212-6-A	105.4
	42 x 18 x 87	6		1AC-4218-7-S	143	1AC-4218-7-A	134.6
		7		1AC-4218-8-S	153.8	1AC-4218-8-A	145.4
		8		1AC-4218-6-S	132.2	1AC-4218-6-A	123.8
	42 x 24 x 87	6		1AC-4224-7-S	167.5	1AC-4224-7-A	155.6
		7		1AC-4224-8-S	180.8	1AC-4224-8-A	168.9
		8		1AC-4224-6-S	154.2	1AC-4224-6-A	142.3
	48 x 12 x 87	6	500	1AC-4812-7-S	130.4	1AC-4812-7-A	125.4
		7		1AC-4812-8-S	139.8	1AC-4812-8-A	134.8
		8		1AC-4812-6-S	121	1AC-4812-6-A	116
	48 x 18 x 87	6		1AC-4818-7-S	156.8	1AC-4818-7-A	148.4
		7		1AC-4818-8-S	169	1AC-4818-8-A	160.6
		8		1AC-4818-6-S	144.6	1AC-4818-6-A	136.2
	48 x 24 x 87	6		1AC-4824-7-S	183.4	1AC-4824-7-A	171.5
		7		1AC-4824-8-S	198.4	1AC-4824-8-A	186.5
		8		1AC-4824-6-S	168.4	1AC-4824-6-A	156.5



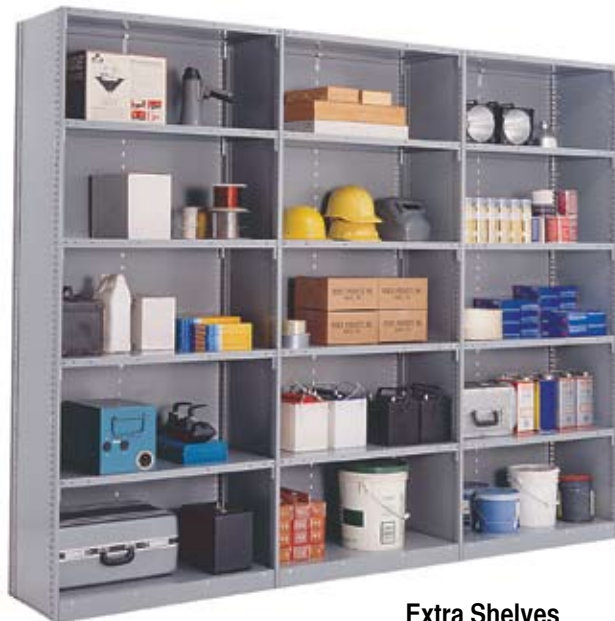
Steel clip style shelving handles anything from supply storage and inventory to high rise or multi-level installations. You can stack it high, reconfigure it, adjust shelf levels, and easily adjust it to fit your needs. It's built tough, utilizing box-beam shelves for high capacity and angle posts on all sides for easy shelf adjustment & assembly. Used in demanding applications in warehouses, tool cribs, plants, offices, and storage facilities.

Tougher than you'll ever need

- Starter units are complete and freestanding. Connect adders to create a row of shelving
- High-performance, single-piece, box beam shelves punched on face and surface to accept accessories.
- Offset angle posts (1-1/8" wide x 2-1/2" deep) used on all sides. Offset recess makes shelving rigid and allows independent shelf clip adjustment. Posts punched so you can adjust shelves in 1" increments
- Sway braces: 12 gauge x 3/4"
- Tough 20-gauge steel shelves
- Closed side & back panels are 24-gauge steel (bolt holes punched)

NOTES:

- 1) Shelf capacities are listed per level and assume evenly distributed loads
- 2) Many other configurations available
- 3) Check www.cisco-eagle.com for pricing, configuration tools, and extensive information on metal clip style shelving



Extra Shelves

Extra Shelves

20-gauge box beam shelves are built on a state-of-the-art production line that begins with flat steel and ends with a completed shelf. For even more strength, box beam flanges are welded to the underside of the shelf on 3" centers. Corners are lapped and welded. Sides are double flanged.

Shelf is punched on the face and surface to accept accessories.

Model Number	W x L (Inches)	Wt. (Lbs.)
1H203618C-028	36 x 18	9.5
1H203624C-028	36 x 24	11.6
1H203636C-028	36 x 36	16
1H204212C-028	42 x 12	8.3
1H204218C-028	42 x 18	10.8
1H204224C-028	42 x 24	13.3
1H204812C-028	48 x 12	9.4
1H204818C-028	48 x 18	12.2
1H204824C-028	48 x 24	15

Ingenious clip is highly adjustable & makes the shelving even more rigid

Easily installed, the clip holds the shelf tightly against the post and can be repositioned. Since it is a true compression clip, it actually helps make the shelving more rigid. The clip stays in place during assembly to allow pre-clipping the posts for faster installation.



Sliding divider

Full height divider

Bin fronts

Steel shelving accessories increase functionality

- **Bin Fronts** are formed steel panels partially enclosing the front opening of a shelf to keep bulk items within a bin. This creates the ability to use parts of your closed shelving units as bins to store bulk product easily and economically.
- **Front Base Strips** close the space between the floor and the bottom of the bottom shelf. They are excellent for presenting a cleaner appearance and help prevent debris or dust from accumulating beneath shelving units.
- **Full Height Dividers** are used to divide a shelf opening into smaller, vertical units. Dividers have a beaded front edge for strength and safety. All necessary hardware is included.
- **Sliding Dividers** are formed to fit around front and rear flanges of the shelf. They can position anywhere on the surface and slide by hand to desired position. No hardware is needed.

Model Number	Accessory Type	Dimensions (Inches)	Wt. (Lbs.)
14220H-028	Bin Front	36 x 2	2
14230H-028		36 x 3	2.2
14330C-028		42 x 3	2.5
14430C-028		48 x 3	2.8
14520H-028	Front Base Strip	36 x 3	1.6
14530H-028		42 x 3	1.8
14540H-028		48 x 3	2
15600H-028	Full Height Divider	12 x 6	0.6
15620H-028		12 x 9	0.8
15640H-028		12 x 12	1
15800H-028		18 x 6	0.9
15820H-028		18 x 9	1.3
15840H-028		18 x 12	1.7
15900H-028		24 x 6	1.2
15920H-028		24 x 9	1.7
15940H-028		24 x 12	2.2
1H4126C-028	Sliding Divider	12 x 6	1.3
1H4186C-028		18 x 6	1.9

Organize, pick & restock small parts in metal shelving with tilt-out bins

Model Number	D x W x H (Inches)	No. Of Shelves	Bin Quantity & Type	Bin D x W x H (Inches)	Wt. (Lbs.)
1275-100	12 x 36 x 75	13	144-ea. QSB 100 Bins	11-7/8" x 2-3/4" x 4"	144
1275-101			96-ea. QSB 101 Bins	11-7/8" x 4-1/8" x 4"	128
1275-102			60-ea. QSB 102 Bins	11-7/8" x 6-5/8" x 4"	121
1275-107			48-ea. QSB 107 Bins	11-7/8" x 8-3/8" x 4"	123
1275-109			36-ea. QSB 109 Bins	11-7/8" x 11-1/8" x 4"	125
1239-100	12 x 36 x 39	7	72-ea. QSB 100 Bins	11-7/8" x 2-3/4" x 4"	80
1239-101			48-ea. QSB 101 Bins	11-7/8" x 4-1/8" x 4"	70
1239-102			30-ea. QSB 102 Bins	11-7/8" x 6-5/8" x 4"	66
1239-107			24-ea. QSB 107 Bins	11-7/8" x 8-3/8" x 4"	67
1239-109			18-ea. QSB 109 Bins	11-7/8" x 11-1/8" x 4"	68
1875-103	18 x 36 x 75	13	96-ea. QSB 103 Bins	17-7/8" x 4-1/8" x 4"	176
1875-104			60-ea. QSB 104 Bins	17-7/8" x 6-5/8" x 4"	165
1875-108			48-ea. QSB 108 Bins	17-7/8" x 8-3/8" x 4"	161
1875-110			36-ea. QSB 110 Bins	17-7/8" x 11-1/8" x 4"	158
1839-103	18 x 36 x 39	7	48-ea. QSB 103 Bins	17-7/8" x 4-1/8" x 4"	96
1839-104			30-ea. QSB 104 Bins	17-7/8" x 6-5/8" x 4"	89
1839-108			24-ea. QSB 108 Bins	17-7/8" x 8-3/8" x 4"	91
1839-110			18-ea. QSB 110 Bins	17-7/8" x 11-1/8" x 4"	87



Economical small parts storage systems keep parts identified

Open hopper front bins with label area provide fast access to stored items. Heavy duty shelving has 400 lbs. capacity per shelf. V-lock shelves let bins tilt

out for easy picking & handling. Shelving has a smooth powder coat gray finish. Specify bin color: Blue, Yellow, Red, Green, Ivory or Black—one color per unit.



Metal shelving with stackable open-front hoppers for easy pull-out access



Heavy-duty, easy-access stackable, open front bins

Because these economical high-density bin storage systems include heavy-duty giant stacking bins with open hopper fronts for easy access, you'll be able to store bulk quantities in recycling, parts storage, or warehouse applications. Pull the bins out and they'll stack up to 6 high, even fully loaded. 400 pounds capacity per shelf.

Model Number	D x W x H (Inches)	No. Of Shelves	Bin Quantity & Type(s)	Bin D x W x H (Inches)	Wt. (Lbs.)
QSBU-239	12 x 36 x 75	8	28-ea. QUS 239	11"L x 8-1/4"W x 7"H	141
QSBU-230240		10	36-ea. QUS 230 & 12-ea. QUS 240	QUS 230: 10-7/8"L x 5-1/2"W x 5"H; QUS 240: 14-3/4"L x 8-1/4"W x 7"H bins	143
QSBU-240		8	28-ea. QUS 240	14-3/4"L x 8-1/4"W x 7"H	146
QSBU-245		7	24-ea. QUS 245	11"L x 16-1/2"W x 5"H	138
QSBU-250		8	14-ea. QUS 250	14-3/4"L x 16-1/2"W x 7"H	132
QSBU-255	18 x 36 x 75	8	21-ea. QUS 255	16"L x 11"W x 8"H bins	158
QSBU-260		6	15-ea. QUS 260	18"L x 11"W x 10"H	133
QSBU-265		7	24-ea. QUS 265	18"L x 8-1/4"W x 9"H	146
QSBU-270		6	10-ea. QUS 270	18"L x 16-1/2"W x 11"	123
QSBU-700	18 x 42 x 75	6	10-ea. QGH 700	15-1/4"L x 19-7/8"W x 12-7/16"H	112

Store & organize bulky parts in Shelving with Magnum "giant" open hopper bins

Open hopper fronts let you easily see what's inside and allows instant access

Store & organize heavy, bulky hardware, tools, components, and parts in this ultra-heavy-duty shelving system with stackable open-front bins. Pull them out of shelving & stack up to six high. 350 pounds per shelf level capacity.

Model Number	D x W x H (Inches)	No. Of Shelves	Bin Quantity & Type(s)	Bin D x W x H (Inches)	Wt. (Lbs.)
MSU-531	18 x 42 x 75	10	27-ea. QMS 531	19-3/4"L x 12-3/8"W x 5-7/8"H	181
MSU-532		8	21-ea. QMS 532	19-3/4"L x 12-3/8"W x 7-7/8"H	191
MSU-533		6	15-ea. QMS 533	19-3/4"L x 12-3/8"W x 11-7/8"H	157
MSU-543		6	10-ea. QMS 543	19-3/4"L x 18-3/8"W x 11-7/8"H	141
MSU-16-MIX		7	4-ea. QMS 543; 3-ea. QMS 533; 6-ea. QMS 532; 3-ea. QMS 531	QMS 543: 19-3/4"L x 18-3/8"W x 11-7/8"H; QMS 533: 19-3/4"L x 12-3/8"W x 11-7/8"H; QMS 532: 19-3/4"L x 12-3/8"W x 5-7/8"H; QMS 531: 19-3/4"L x 12-3/8"W x 7-7/8"H	173



Double storage capacity space, reduce inventory costs, and improve organization with high-density mobile aisle shelving systems

Create a system to effectively handle any material, from computer printouts to automobile engines in less space

Labor costs are reduced by consolidating materials and reducing retrieval time. Traditional shelving and aisles don't utilize the full available space because walkways occupy area within the shelving configuration. You can eliminate the walkways and reclaim that space while making it easier than ever to stock and pick shelving with a mobile aisle system. Walk time is reduced as space is reclaimed.

Double storage capacity in the same space

Systems allow you to free valuable floor space for other operations without sacrificing storage capacity or flexibility. Integration with V-Grip maximizes flexibility to store small and bulk items together.

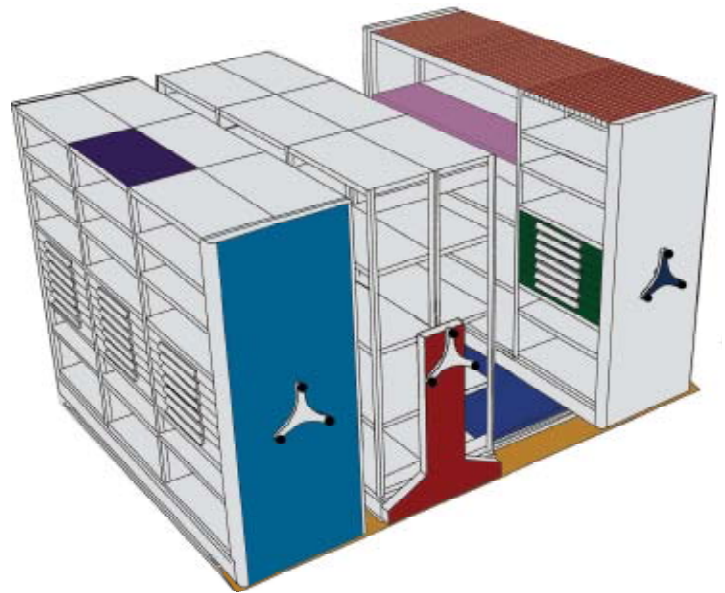
Other advantages

- Modular design for easy assembly, reconfiguration, future expansion
- Carriages rated to carry a minimum of 1,000 pounds per linear foot
- Mechanical-assist controls enable operator to move 10,000 pounds with one pound of effort.
- All-rail drive ensures uniform carriage movement
- Modular platform provides for re-leveling rails after installation
- Accommodates Equipto V-Grip shelving and rack, wire shelves, modular drawers,

EQUIPTO

Mobile aisle shelving applications

- 1) Manufacturing - Maintenance, Parts, Supplies, R&D, Tool Room
- 2) Automotive - Archival Records, Parts Department, Retail Merchandise
- 3) Healthcare - Pharmacy, Maintenance, Supplies, Radiology
- 4) Education - Athletic Equipment, Maintenance, Supplies
- 5) Military - Parts/Supplies, Maintenance, Vehicle Service, Flight Maintenance
- 6) Law Enforcement - Property and Evidence, Supplies, Uniforms
- 7) Retail - Backroom Storage, Supplies



Wide Span Bulk Rack bridges the gap between selective rack and shelving



Wide Span Bulk Rack is a superior storage solution for bulky, wide, or high loads. Wide Span bridges the gap between pallet rack and conventional steel shelving. It's ideal for a wide range of manually or automatically loaded applications. Penco Wide Span assembles easily and quickly. Beams and uprights snap quickly into place; there isn't any bracing to add or hardware to keep up with.

PENCO

- Available w/ open or steel shelves
- Consider Rivet shelving for your hand loaded, bulk storage needs
- Wide Span shelving is not recommended for fork truck loading
- Many sizes available
- Contact us for specification assistance



Transform your steel shelving into high density storage with modular drawer inserts



“When should I use cabinets instead of modular drawer shelving?”

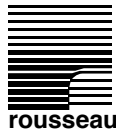
You want to utilize complete modular cabinets instead of a shelving/modular combination when:

- 1) You're dealing with just small parts, and not other bulky items
- 2) You want to move & reconfigure easier. Cabinets are easier to move than shelving, which must be floor anchored
- 3) You want maximum storage density for small parts. Cabinets can pack more small parts into an area than modular drawer shelving.



Reclaim up to 70% of floor space by adding modular drawer inserts to your steel shelving

Add modular drawers to virtually any steel shelving. Over 35 brands of shelving accept these drawers. Place drawers in new or existing shelving, creating organized storage where only flat shelves existed before. Store cartons or boxes on shelves above the drawers, and small parts in your modular drawers. Install drawers at working height to eliminate bending and stretching.



Drawers open to full extension for visibility to the very back of the shelf

Besides being space efficient, modular drawers improve room aesthetics: instead of a jumbled collection of sloppy-looking bins, you have brightly painted, easy-to-clean, gleaming and orderly modular drawers. Drawers lock to secure valuable tools and inventory.

Product features & specifications

- Other sizes & configurations available, including 48" widths
- Shelves must be floor-anchored
- Installs into most shelving, including Penco, Hallowell, Rousseau, Tennsco, Edsal, Lyon, Western Pacific, & others
- You can also purchase complete shelving units with drawers included

Model Number	Shelf Width	Shelf Depth	Drawer Unit Height	No. Of Drawers	Drawers & Compartment Configuration	Wt. (Lbs.)
R5LEC-1801	36	18	18	4	3: 4" drs. w/ 24 comps., 1: 6" drs. w/ 8 comps.	145.9
R5LEC-2401			24	5	3: 4" drs. w/ 24 comps., 2: 6" drs. w/ 8 comps.	183.8
R5LEC-3601			36	7	3: 4" drs. w/ 24 comps., 4: 6" drs. w/ 8 comps.	259.6
R5LEC-3603			36	7	4: 4" drs. w/ 24 comps., 2: 6" drs. w/ 8 comps., 1: 8" drs. w/ 8 comps.	263.5
R5LEE-1801	36	24	18	4	3: 4" drs. w/ 30 comps., 1: 6" drs.	179.9
R5LEE-2401			24	5	3: 4" drs. w/ 30 comps., 2: 6" drs. w/ 12 comps.	227.3
R5LEE-3601			36	7	3: 4" drs. w/ 30 comps., 4: 6" drs. w/ 12 comps.	322.1
R5LEE-3603			36	7	4: 4" drs. w/ 30 comps., 2: 6" drs. w/ 12 comps., 1: 8" drs. w/ 12 comps.	326.2
R5LEE-4801		24	48	8	8: 6" drs. w/ 12 comps.	379.1
R5LEE-4803			48	9	4: 4" drs. w/ 30 comps., 4: 6" drs. w/ 12 comps., 1: 8" drs. w/ 12 comps.	420.9
R5LEE-4805			48	10	6: 4" drs. w/ 30 comps., 4: 6" drs. w/ 12 comps.	454.5
R5LEE-4807			48	11	4: 3" drs. w/ 30 comps., 3: 4" drs. w/ 30 comps., 4: 6" drs. w/ 12 comps.	475.5
R5LGC-1801	42	18	18	4	3: 4" drs. w/ 20 comps., 1: 6" drs. w/ 12 comps.	159.0
R5LGC-2401			24	5	3: 4" drs. w/ 20 comps., 2: 6" drs. w/ 12 comps.	202.7
R5LGC-3601			36	7	3: 4" drs. w/ 20 comps., 4: 6" drs. w/ 12 comps.	290.2
R5LGC-3603			36	7	4: 4" drs. w/ 20 comps., 2: 6" drs. w/ 12 comps., 1: 8" drs. w/ 12 comps.	291.9
R5LGE-1801		24	18	4	3: 4" drs. w/ 30 comps., 1: 6" drs. w/ 12 comps.	197.2
R5LGE-2401			24	5	3: 4" drs. w/ 30 comps., 2: 6" drs. w/ 12 comps., 12 comps.	249.3
R5LGE-3601			36	7	3: 4" drs. w/ 30 comps., 4: 6" drs. w/ 12 comps., 12 comps.	353.3
R5LGE-3603			36	7	4: 4" drs. w/ 30 comps., 2: 6" drs. w/ 12 comps., 12 comps., 1: 8" drawer	357.6
R5LHC-1801	48	18	18	4	3: 4" drs. w/ 32 comps., 1: 6" drs. w/ 10 comps.	181.6
R5LHC-2401			24	5	3: 4" drs. w/ 32 comps., 2: 6" drs. w/ 10 comps.	228.5
R5LHC-3601			36	7	3: 4" drs. w/ 32 comps., 4: 6" drs. w/ 10 comps.	322.2
R5LHC-3603			36	7	4: 4" drs. w/ 32 comps., 2: 6" drs. w/ 10 comps., 1: 8" drs. w/ 10 comps.	327.5
R5LHC-4801			48	8	8: 6" drs. w/ 10 comps.	374.6
R5LHC-4803			48	9	4: 4" drs. w/ 32 comps., 4: 6" drs. w/ 10 comps., 1: 8" drs. w/ 10 comps.	421.1
R5LHC-4805			48	10	6: 4" drs. w/ 32 comps., 4: 6" drs. w/ 10 comps.	456.9
R5LHC-4807			48	11	4: 3" drs. w/ 32 comps., 3: 4" drs. w/ 32 comps., 4: 6" drs. w/ 10 comps.	475.2
R5LHE-1801		24	18	4	3: 4" drs. w/ 40 comps., 1: 6" drs. w/ 15 comps.	223.0
R5LHE-2401			24	5	3: 4" drs. w/ 40 comps., 2: 6" drs. w/ 15 comps.	281.4
R5LHE-3601			36	7	3: 4" drs. w/ 40 comps., 4: 6" drs. w/ 15 comps.	398.1
R5LHE-3603			36	7	4: 4" drs. w/ 40 comps., 2: 6" drs. w/ 15 comps., 1: 8" drs. w/ 15 comps.	403.8



LISTA

Modular drawer cabinets let you create compartments & drawers to fit your small parts & components

High-density, highly-organized, reconfigurable storage. Cabinet housings allow an almost infinite variety of drawer height configurations. Scalable enough to adapt to future requirements, they are ideal for high-density storage of parts, tools and items of virtually any size and type. They provide maximum weight-bearing capacity, tailored drawer organization, and ergonomic item handling and access.

High density storage features

- Unique drawer construction with z-bar supports, front & rear panels welded to the drawer provide stability
- Drawers slide out 100% even with a full 440-pound load, allowing complete use of the furthest corners and easy access to all stored contents
- Full height sidewalls eliminate wasted space
- PreventTip system allows only one drawer open at a time
- Many other sizes, colors, styles and drawers available
- Flush handles for safety; a variety of locking systems



Model Number	W x D x H (Inches)	Drawer Configuration	Compartmentments	Cabinet Color	Wt. (Lbs.)
QS1350-1234	28-1/4 x 28-1/2 x 59-1/2	12 drawers: 4 @ 2" H, 3 @ 3"H, 5 @ 5"H	210	Bright Blue	655
QS1350-52	28-1/4 x 28-1/2 x 59-1/2	15 drawers: 7 @ 2"H, 7 @ 3"H, 1 @ 4"H	300	Dark Gray	770
QS1350-51	28-1/4 x 28-1/2 x 59-1/2	11 drawers: 4 @ 2"H, 4 @ 4"H, 2 @ 5"H, 1 @ 9" H	172	Dark Gray	615
QS1350-49	28-1/4 x 28-1/2 x 59-1/2	8 drawers: 6 @ 5"H, 1 @ 7"H, 1 @ 9"H	88	Dark Gray	535
QS1350-50	28-1/4 x 28-1/2 x 59-1/2	9 drawers @ 5"H	124	Dark Gray	565
QS900-1002	28-1/4 x 28-1/2 x 41-3/4	10 drawers: 4 @ 2"H, 6 @ 3"H	210	Bright Blue	505
QS900-46	28-1/4 x 28-1/2 x 41-3/4	5 drawers: 3 @ 5"H, 1 @ 7"H, 1 @ 9"H	61	Dark Gray	370
QS900-47	28-1/4 x 28-1/2 x 41-3/4	7 drawers: 2 @ 2"H, 2 @ 3"H, 1 @ 5"H, 2 @ 7"H	115	Dark Gray	450
QS900-48	28-1/4 x 28-1/2 x 41-3/4	9 drawers: 4 @ 2"H, 3 @ 3"H, 2 @ 5"H	154	Dark Gray	530
QSHS1350-2A	28-1/4 x 28-1/2 x 59-1/2	9 drawers: 3 @ 3"H, 3 @ 5"H, 3 @ 7"H	105	Bright Blue	595
QSHS1350-3A	28-1/4 x 28-1/2 x 59-1/2	7 drawers: 3 @ 5"H, 2 @ 7"H, 2 @ 9"H	66	Bright Blue	525
QSHS1350-5A	28-1/4 x 28-1/2 x 59-1/2	10 drawers: 2 @ 2"H, 3 @ 3"H, 3 @ 5"H, 1 @ 7"H, 1 @ 9"H	159	Bright Blue	630
QSHS900-1A	40-1/2 x 22-1/2 x 41-3/4	9 drawers: 4 @ 2"H, 3 @ 3"H, 2 @ 5"H	117	Bright Blue	500
QSHS900-2A	40-1/2 x 22-1/2 x 41-3/4	7 drawers: 4 @ 3"H, 2 @ 5"H, 1 @ 7"H	96	Bright Blue	450
QSHS900-3A	40-1/4 x 22-1/2 x 41-3/4	5 drawers: 3 @ 5"H, 1 @ 7"H, 1 @ 9"H	57	Bright Blue	400

Cabinet Sizes to match any need



Standard Width
(28.25" wide,
28.5" deep)



HS Width
(40.25" wide, 22.5"
deep)



Double Width
(56.5" wide, 28.25" deep)



Mid-Width
(47" wide, 28.5" deep)



Narrow Width
(16^{7/8}" wide,
28.25" deep)



MP Width
(22^{3/16}" wide, 22.5" deep)

Drawers have customizable interior compartments. Partitioning slots on all four sides means drawers can be subdivided for maximum flexibility.



Full sidewall uses every square inch of available space. Many alternative drawers provide only a partial sidewall.



Storage Walls combine bulk storage and high-density modular drawers



Maximum density, maximum flexibility

With the Lista Storage Wall® system, the biggest and smallest items can be stored near one another in a logical, easily accessible manner. Not an inch of space is wasted. Mix & match an enormous variety of drawers to store tools and components. Add roll-out trays for easy access to large, heavy items. Throw in shelves for the bulkier items. A wide selection of door types provides greater security and a finished appearance.



Change & reconfigure at need

A combination of modular components means you can store small and large parts together and have easy access to both. It also means your Storage Wall can easily accommodate changes and additions—it's never outdated.



How it all works

- Build-as-you-go system consists of a pair of matched-height vertical side frames joined with top and bottom universal panels. Combine drawers, shelves, roll-out trays, and wide-span beams for the ideal item storage and retrieval solution
- Custom design each section of the system to match the size of the items you're storing; use shelving, drawers, load beams, more. 6 standard heights of up to 10 feet let you maximize the use of available ceiling height for more space-efficient storage
- Several Storage Walls can be arranged as multi-story installations with mezzanines for even greater vertical storage and item access. A variety of door options including sliding, hinged and vertical tambour doors, plus locking systems provide maximum protection of stored items
- Storage Wall® Roller Shelf: employing standard conveyor rollers and backstop, Roller Shelves provide effortless transport of items up to 770 pounds, and can be retrofitted to existing Storage Wall units; ideal for storing dies, molds and other heavy equipment and parts

Mobile modular cabinets are high-density modular workstations on wheels



Mobile modular drawer cabinets give you easy maneuverability in tight spaces, rugged heavy-gauge steel construction, and the benefits of unique modular drawer design and deluxe construction. Any modular drawer cabinet you see in this catalog can be converted into a mobile cabinet.

Ideal for maintenance, assembly, machine shops, tool cribs, manufacturing & more

- Many other sizes, configurations, colors available
- Individual drawer latches
- Tubular steel handles for easy maneuverability
- Heavy duty casters for smooth rolling and easy steering
- Keyed alike locks included; other options available



Model Number	Cabinet Type	W x D x H (Inches)	Drawer Configuration	Compartmentments	Color	Wt. (Lbs.)
QSHS0750-0701M	Mobile Cabinet	40-1/22 x 22-1/2 x 41-1/2	7 drawers: 4 @ 2"H, 1 @ 3"H, 1 @ 5"H, 1 @ 7" high	94	Bright Blue	480
QSMP300-544	Shelf Cart	22-3/16 x 28-1/2 x 32-1/2	3 drawers: 1 @ 2"H, 1 @ 3"H, 1 @ 4"H, + bottom shelf	34	Classic Blue	235
QSMP600-545	Mobile Cabinet	22-3/16 x 28-1/2 x 35-1/2	5 drawers: 2 @ 2"H, 1 @ 3"H, 1 @ 5"H, 1 @ 7" high	53	Classic Blue	260
QSMP750-546	Mobile Cabinet	22-3/16 x 28-1/2 x 41-1/2	6 drawers: 2 @ 2"H, 1 @ 3"H, 2 @ 5"H, 1 @ 7" high	61	Classic Blue	305
QSMPNW600	Mobile Work Center	39 x 28-1/2 x 37-1/4	5 drawers: 2 @ 2"H, 1 @ 3"H, 1 @ 5"H, 1 @ 7" high	57	Classic Blue	405
QSST0750-0701M	Mobile Cabinet	28-1/42 x 22-1/2 x 41-1/2	7 drawers: 4 @ 2"H, 1 @ 3"H, 1 @ 5"H, 1 @ 7" high	72	Bright Blue	370

Organize your inventory with tough, durable stack & hang Ultra bins

Organize your inventory with strong injection molded plastic bins. Front, back and side grips for easy handling. Built in rear hanger allows bins to hang from louvered panels. Optional clear plastic window increases capacity, provides quick view of contents. Dividers maximize flexibility and keep contents organized. Wide stacking ledge and anti-slide lock keep stacked bins steady and prevent forward shifting. Waterproof bins resist rust and corrosion. Large molded slots for ID labels. Autoclavable up to 250°F and resistant to extreme cold. Available in Blue, Yellow, Red, Green, Ivory and Black. Please bin color when you order; one color per carton.

- Bins may be ordered in carton quantities only
- Heavy duty, virgin, high density FDA approved polypropylene/polyethylene
- Large multiple label slots provide easy label insertion and part identification
- Extra wide stacking ledge assures stability for high stacking
- Reinforced design adds strength and prevents spreading
- Will not rust or corrode, unaffected by weak acids and alkalis, and are waterproof
- Interchangeable with other manufactured brands of bins



BINS				DIVIDERS (6/carton)		CLEAR WINDOWS		
Model Number	Outside L x W x H (Inches)	Carton Quantity	Carton Wt. (Lbs.)	Divider Model No.	Wt. (Lbs.)	Window Model No.	Carton Quantity	Wt. (Lbs.)
QUS205	4-1/2" x 4-1/8" x 3"	24	5	DUS205	1	N/A		
QUS210	5-3/8" x 4-1/8" x 3"	24	6	DUS210	1			
QUS220	7-3/8" x 4-1/8" x 3"	24	8	DUS220	1			
QUS221	9-1/4" x 6" x 5"	12	6	DUS221	1			
QUS224	10-7/8" x 4-1/8" x 4"	12	8	DUS224	1			
QUS230	10-7/8" x 5-1/2" x 5"	12	10	DUS230/235	2	WUS-230	12	11
QUS233	13-1/2" x 5-1/2" x 5"	12	13	DUS233	1	WUS-233	12	13
QUS234	14-3/4" x 5-1/2" x 5"	12	14	CDUS233	1	WUS-234	12	14
QUS235	10-7/8" x 11" x 5"	6	10	DUS234	2	WUS-235	6	10
QUS239	10-3/4" x 8-1/4" x 7"	6	10	DUS239	3	WUS-239	6	10
QUS240	14-3/4" x 8-1/4" x 7"	12	24	DUS240/250	3	WUS-240	6	24
QUS241	13-5/8" x 8-1/4" x 6"	12	22	DUS241	2	N/A		
QUS242	13-5/8" x 8-1/4" x 8"	12	25	DUS242	2			
QUS245	10-7/8" x 16-1/2" x 5"	6	13	DUS245	2	WUS-245	6	18
QUS250	14-3/4" x 16-1/2" x 7"	6	21	DUS240/250	3	WUS-250	6	21
QUS255	16" x 11" x 8"	4	14	QUS255	3	WUS-255	4	14
QUS260	18" x 11" x 10"	4	17	QUS260	3	WUS-260	4	15
QUS265	18" x 8-1/4" x 9"	6	17	QUS265	4	WUS-265	6	17
QUS270	18" x 16-1/2" x 11"	3	16	QUS270	5	WUS-270	3	16



Options & accessories

Clear windows maximize capacity, allow for easy inspection

Optional windows maximize storage capacity, prevent spillage, and protect parts from dirt and dust. These windows convert your bin into a true carrying tote while allowing for easy visual inspection of stored parts. NOTE: Like bins, windows are sold in carton quantities. Check the carton quantity of your bins to ensure calculate the correct number of windows.



Keep bin contents organized with horizontal dividers

Shelf Bin Dividers fit snugly, horizontally across all bins and are uniquely designed to allow for easy part labeling via individual label slots. Use them to segment and organize parts within a bin. Other accessories include labels, mobility kits, dollies, and more. Contact us for assistance.

Mount bins to any wall with louvered panel systems

Model Number	Dimensions (Inches)	Wt. (Lbs.)
QLP-1819	18"W x 19"H	6
QLP-1861	18"W x 61"H	21
QLP-2721	27"W x 21"H	11
QLP-3612	36"W x 12"H	8
QLP-3619	36"W x 19"H	13
QLP-3661	36"W x 61"H	40
QLP-4819	48"W x 19"H	18
QLP-4861	48"W x 61"H	60

Louvered panels accept most sizes of Ultra Stacking Bins. They can be mounted onto most surfaces including walls, benches, or inside service trucks. Fasten securely to wall ensure adequate load bearing. Panel systems can be customized to suit your needs with various colors and sized to fit perfectly within these bin rail systems.

- Bins not included
- We can help you design a complete bin system for your needs
- Mix & match bin sizes & colors for quick load identification and picking



Pictured: QLP-1819

Store more than 200 bins with freestanding & mobile bin racks



These systems let you organize and compactly store parts bins. Choose single sided when you can mount them against a wall, or double sided for islands of storage. Bins (not included) are an excellent way to store small parts and components. Panels allow you to organize your bins.



Model Number	Configuration	Wt. (Lbs.)
QSS-1866H	Single Sided, 18" x 66"	60
QSS-3666H	Single Sided, 36" x 66"	100
QDS-3666H	Double Sided, 36" x 36"	106
QMD-36H	Double Sided Mobile	155

- Bins sold separately on all units
- QMD-36H: Mobile rack is 36" L x 25" W x 64" H mobile unit accepts all bin sizes. 500 pounds total capacity. Also available in single sided floor stand
- Combine sizes and styles of bins on a single rack to create organized storage
- Contact us for assistance configuring your rack unit



Organize bins anyplace with rail systems for stack & hang bins

Hanging bin rail systems mount just about anywhere

All white plastic rails can be mounted to nearly any suitable surface. 4 different bin packages and 2 rails are included with each unit. Extra rails can be purchased separately. Bin colors available in blue, yellow, red, green, ivory and black.

Hanging bin rail racks - double and single sided

Single sided units have 250 pounds per rack capacity. They can hold up to 96 bins per rack, depending on bin size.

Double sided racks have 500 pounds capacity per rack. With the smallest bin size, they can hold up to 192 bins per rack. Optional mobility kit transforms them into a high density movable storage unit.

Bin colors available in blue, yellow, red, green, ivory and black.



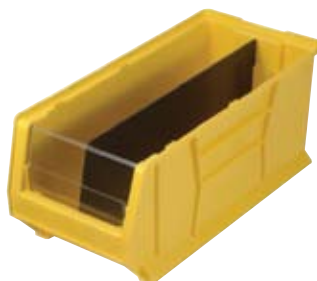
Model Number	Type	Size/Configuration	Wt. (Lbs.)
HNS-205	Hanging Bin Rail System	4-1/2" x 4-1/8" x 3" - 6 bins & 2 rails	2
HNS-210		5-1/2" x 4-1/8" x 3" - 6 bins & 2 rails	2
HNS-220		7-1/2" x 4-1/8" x 3" - 6 bins & 2 rails	3
HNS-230		10-7/8" x 5-1/2" x 5" - 4 bins & 2 rails	5
QRU-12S	Hanging Bin Rails Rack	1 sided, 12-rail: 36" x 15" x 53"	53
QRU-16S		1 sided, 16-rail: 36" x 15" x 53"	63
QRU-12D		2 sided, 12-rail: 36" x 24" x 53"	54
QRU-16D		2 sided, 16-rail: 36" x 24" x 53"	64

Model Number	L x W x H - Outside (Inches)	Carton Quantity	Wt. (Lbs.)
QUS950	23-7/8" x 8-1/4" x 7"	6	19
QUS951	23-7/8" x 8-1/4" x 9"	6	22
QUS952	23-7/8" x 11" x 7"	4	15
QUS953	23-7/8" x 11" x 10"	4	19
QUS954	23-7/8" x 16-1/2" x 11"	1	7
QUS964MOB	23-7/8" x 16-1/2" x 11"	1	10
QUS955	23-7/8" x 18-1/4" x 12"	1	8
QUS965MOB	23-7/8" x 18-1/4" x 12"	1	11
QUS970	29-7/8" x 8-1/4" x 7"	6	21
QUS973	29-7/8" x 11" x 10"	4	23
QUS974	29-7/8" x 16-1/2" x 11"	1	15
QUS984MOB	29-7/8" x 16-1/2" x 11"	1	20
QUS975	29-7/8" x 18-1/4" x 12"	1	8
QUS985MOB	29-7/8" x 18-1/4" x 12"	1	11
QUS976	29-7/8" x 16-1/2" x 15"	1	9
QUS986MOB	29-7/8" x 16-1/2" x 15"	1	12

- These bins cannot be hung on louver panel systems
- Large handles molded onto bins - easy to carry
- Available in red, yellow, blue - one color per carton

Organize large, bulky loads with jumbo stacking bins up to 30" deep

Organize your inventory with strong injection molded plastic bins. Front, back and side grips for easy handling. Optional clear plastic window increases capacity, provides quick view of contents. Dividers maximize flexibility and keep contents organized. Wide stacking ledge and anti-slide lock keep stacked bins steady and prevent forward shifting. Waterproof bins resist rust and corrosion. Large molded slots for ID labels. Autoclavable up to 250°F and resistant to extreme cold.



Optional dividers and clear fronts increase bin functionality



Replace worn out corrugated bins with tough, high density, plastic shelf bins

These strong polyethylene bins feature a molded in label holder, built-in rear hanglock which allows bins to tilt out for complete access. A wide hopper front allows complete access to the contents. Edges are reinforced for added strength. They are designed for 12", 18" and 24" deep shelf units, racks or standard shelves. Replacement bins are waterproof, resistant to most chemicals and unaffected by grease or oil.

Model Number	Outside L x W x H (Inches)	Carton Quantity	Wt. (Lbs.)
QSB100	11-5/8" x 2-3/4" x 4"	36	13
QSB101	11-5/8" x 4-1/8" x 4"	36	17
QSB102	11-5/8" x 6-5/8" x 4"	30	18
QSB107	11-5/8" x 8-3/8" x 4"	20	15
QSB109	11-5/8" x 11-1/8" x 4"	8	7
QSB103	17-7/8" x 4-1/8" x 4"	20	13
QSB104	17-7/8" x 6-5/8" x 4"	20	16
QSB108	17-7/8" x 8-3/8" x 4"	10	11
QSB110	17-7/8" x 11-1/8" x 4"	8	11
QSB105	23-5/8" x 4-1/8" x 4"	16	13
QSB106	23-5/8" x 6-5/8" x 4"	8	9
QSB114	23-5/8" x 8-3/8" x 4"	6	9
QSB116	23-5/8" x 11-1/8" x 4"	6	10



Shelf bins are easy to slide in and out of shelving units for picking and assembly.

Options & accessories for shelf bins

- Optional dividers fit snugly, horizontally across all bins and are uniquely designed to allow for easy part labeling via individual label slots
- Bin cups have a raised, slotted label holder for easy identification. Available in 2 sizes and 2 colors and allow the removal of the entire cup for easy part retrieval
- Packaged units combine shelf bins with metal shelving for easy ordering
- Available in Blue, Yellow, Red, Green, Ivory and Black.





Store & transport bulky parts in Magnum open hopper bins

Heavy-duty containers ideal for large parts like long bolts, heavy washers, rods, & bulky hardware...

Heavy duty, extra strong injection-molded, high-density polyethylene bins are ideal for transportation & storage of large, heavy parts. Open hopper front allows immediate access and visibility. Ribbed, reinforced walls ensure strength. Double wall thickness with preformed lip allows bin to interlock and provides up to 150 pounds stacked capacity. Includes rear molded handle for easy carrying & transport. Resists temperatures from -40F to 250F.

Model Number	Outside L x W x H (Inches)	Carton Quantity	Wt. (Lbs.)
QMS531	19-3/4" x 12-3/8" x 5-7/8"	6	19
QMS532	19-3/4" x 12-3/8" x 7-7/8"	6	23
QMS533	19-3/4" x 12-3/8" x 11-7/8"	3	15
QMS543	19-3/4" x 18-3/8" x 11-7/8"	1	8
QMS743	29" x 18-3/8" x 11-7/8"	1	10
QMS 843MOB	29" x 18-3/8" x 14-7/8" Mobile Hopper	1	14

- QMS 843MOB mobile parts bins are interlocking and will stack and roll with ease. Comes with 2 rigid & 2 swivel 3" casters, allowing for 300-pounds mobile capacity
- QMS743 and QMS 843MOB have heavy-duty spread bar for extra strength and support
- Specify color when you order: blue, yellow, green, or red



Compartmentalize, organize, and protect small to medium parts - configure your dividers just like you want them

Heavy duty grid containers are used in industrial, commercial, electronic and health care industries for storage, assembly, fabrication and distribution. Safely, efficiently compartmentalize and protect all kinds of small to medium size parts.

Dividable container features & options

- Colors: blue, red gray
- Containers do not come with dividers - purchase separately
- Containers can be divided by length and/or width allowing a subdivision down to a 1-1/8" square compartment size. (Finish - gray)
- Snap-on covers protect contents from damage or dust. Choose opaque or transparent for easy viewing
- Clear label holder snaps on to any size container



LEFT: Transparent and opaque container lids help protect stored items.
RIGHT: Divide containers the way you want to with long & short dividers.
ABOVE: Clear label holder snaps on to any size container.



CONTAINERS				DIVIDERS (6 per Carton)				LIDS/COVERS			
Model Number	Outside L x W x H (Inches)	Carton Quantity	Wt. (Lbs.)	Long Divider	Wt. (Lbs.)	Short Divider	Wt. (Lbs.)	Opaque Model	Carton Quantity	Transparent Model	Carton Quantity
DG91035	10-7/8" x 8-1/4" x 3-1/2"	20	18	DL91035	3	DS91035	2	COV91000	10	COV91000CL	10
DG91050	10-7/8" x 8-1/4" x 5"	20	24	DL91050	3	DS91050	2				
DG92035	16-1/2" x 10-7/8" x 3-1/2"	12	17	DL92035	3	DS92035	2	COV92000	4	COV92000CL	4
DG92060	16-1/2" x 10-7/8" x 6"	8	15	DL92060	3	DS92060	2				
DG92080	16-1/2" x 10-7/8" x 8"	8	20	DL92080	3	DS92080	2	COV93000	3	COV93000CL	3
DG93030	22-1/2" x 17-1/2" x 3"	6	15	DL93030	3	DS93030	2				
DG93060	22-1/2" x 17-1/2" x 6"	3	14	DL93060	3	DS93060	2				
DG93080	22-1/2" x 17-1/2" x 8"	3	16	DL93080	3	DS93080	3				
DG93120	22-1/2" x 17-1/2" x 12"	3	17	DL93120	4	DS93120	3				

Attached top distribution totes are strong, reusable, stackable, & nestable

Model Number	Outside L x W x H (Inches)	Wt. (Lbs.)
QDC2012-7	20" x 11-1/2" x 7-1/2"	4
QDC2115-9	21-1/2" x 15-1/4" x 9-5/8"	6
QDC2115-12	21-1/2" x 15-1/4" x 12-3/4"	7
QDC2115-12CL	21-1/2" x 15-1/4" x 12-3/4"	7
QDC2115-17	21-1/2" x 15-1/4" x 17-1/4"	9
QDC2213-12	22-1/8" x 12-13/16" x 11-7/8"	6
QDC2420-12	24" x 20" x 12-1/2"	8
QDC2717-12	27" x 17-3/4" x 12-1/2"	8
QDC2515-14	24" x 15" x 13-3/4"	7
QDC2818-13	27-5/8" x 18-3/8" x 13-1/2"	11
QDC2820-15	28" x 20-5/8" x 15-5/8"	13



Ideal containers for storage, distribution and order picking. They stack for maximized storage and nest when empty. Textured, non-slip bottom ensures smooth conveying. Ergonomically-designed handles make lifting a snap. Recessed lids ensure maximum load stability, while closing securely to protect parts from dust and damage. Padlock eye makes it lockable. Molded from high density, FDA-approved polyethylene.

Cross-stacking & Nesting Tubs

Nesting tubs drilled to allow drainage

USDA and FDA approved for food industries; use with meats & poultry, in manufacturing and transportation. Durable tote is injection-molded from high-density polyethylene. Lightweight totes hold up to 100 pounds. They're a snap to clean and feature a rolled top rim for comfortable grip. Rounded corners add strength to stress points. Totes nest when empty, and jamming is eliminated with rib top. They have 8 drill holes on the bottom to allow drainage.



Nesting tubs



Cross-stacking tubs

Cross-stack tubs are excellent for order picking

FDA-approved totes nest when empty, or turn 90° to stack. Cross-Stack Tubs provide easy access to items when stacked, and are ideal for production, assembly, and order-picking operations. Built-in handles and bottom grooves makes handling easy. Sturdy tubs have 100-pound capacity. Designed for use with wet materials or foodstuff, tubs have drainage holes in the bottom.

Model Number	Tub Type	Carton Quantity	Wt. (Lbs.)	Lid Model	Wt. (Lbs.)
TUB1711-8	Cross Stack Tub	6	14	LID1711	9
TUB1711-12			17		
TUB2417-8			25	LID2417	13
TUB2417-12			30		
TUB2516-8			20	LID2516-8	13
TUB2419-9	Nesting Tub		33	N/A	

Stack giant hopper bins up to 6-high for consolidated storage



Ideal for recycling, parts storage, tools and warehouse item applications

These bins stack up to six high to create a sturdy storage system. Injection molded from high-density polyethylene, it's easy to clean, resists rust, corrosion, and most chemicals. Includes a large label holder for quick identification. Built strong: Extra thick sidewalls with reinforced rib gives it strength; a stacked capacity of 100 pounds for each bin. Large grip side handles ensure easier lifting and handling.



Features & options

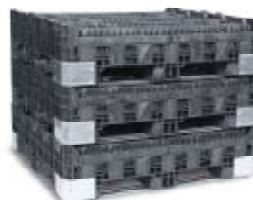
- Select gray, blue, green, ivory, black or red when you order
- Waterproof and resistant to rust, corrosion and most chemicals
- A hole can be drilled into the bottom for drainage purposes
- Reinforced rib design to maximize strength
- Optional clear window available to protect contents and maximize storage
- Large side grip handles for easy lifting, moving

Model Number	Outside L x W x H (Inches)	Carton Quantity	Wt. (Lbs.)
QGH600	17-1/2" L x 10-7/8" W x 12-1/2" H	4	4
QGH700	15-1/4" D x 19-7/8" W x 12-7/16" H	3	3
QGH800	17-1/2" L x 16-1/2" W x 12-1/2" H	2	2

Collapsible shipping bins for closed loop distribution

These containers stack and collapse; you can utilize the full cube of outgoing trailers to get the most product out in the least space. Durable construction means a lifetime of use. Choose optional lids to ensure product protection.

- **Industry Standard Bulk Boxes** are perfect for shipping, handling, and storing dense, heavy loads. Ideal for manufacturing applications such as shipping and handling plastic parts, machined parts, textiles, wiring harnesses, powders, and resins
- **Heavy-Duty Bulk Boxes** are the standard in manufacturing industries such as automotive, appliance, and electronics for component shipping and in-process handling. Steel runners and hit plates provide added strength and durability to extend container lift. Boxes stack securely assembled or collapsed to provide greater safety and efficiency. Side drop gates allow easy access to products.
- **General Purpose Bulk Boxes** are perfect for the lighter handling needs. Use in applications from agriculture and appliance to plastics and light-weight, general manufacturing
- **Extended length bins** helps you handle larger, bulkier items in applications from automotive products to food, poly construction, collapsible bulk shipping containers allow larger product (up to 64") to be more easily handled and shipped



Model Number	Type	L x W x H (Inches)		Capacity			Wt. (Lbs.)	Lid Model	Wt. (Lbs.)
		Outside Top	Inside Top	Pounds	Cubic Ft.	Gallons			
BS32303420	Industry Standard, 2 runners, no gates	32.13 x 30 x 34	29.12 x 27 x 27.37	1,800	12.63	95	91	TS32300200	10.87
BS32302500	Industry Standard, 3 runners, no gates	32.13 x 30 x 25	29.12 x 27 x 18.37		8.48	63.4	75	TS32300200	10.87
BX48453420	Industry Standard, 4 runners, 2 gates	48 x 45 x 34	44.5 x 41.5 x 27		27	220.6	145	TS48450300	25
BH48403420	Heavy Duty, 3 runners, 2 gates	47.62 x 39.75 x 33.87	44 x 36.25 x 26.5	2,500	24.46	182.5	149	TH48400200	18.5
BH48453420	Heavy Duty, 3 runners, 2 gates & hit plates	47.62 x 44.62 x 34	44.25 x 41.25 x 27.12		28.57	213	163	TH48450200	20.5
BG48404602	General Purpose w/ 9 feet & 2 gates	48 x 40 x 46	45 x 37 x 41	1,500	41.66	311.6	145	TS48400200	23
BS64483402	Extended Length with 2 doors	64.5 x 48 x 34	60.8 x 44.5 x 26.6	2,000	41.6	312	193	TV64480200	21



Above: gravity feed models available. Please contact us for more information. Many options and sizes can be matched to your applications.



Above: Conveyor feeding bulk parts into shipping bulk box.

Left: great for many loads and processes from bulk goods to cartons, and much more.

Pick more bulk parts faster, in less space with Rotabins

Reclaim usable space and bring parts right to the picker in high density bins—faster than shelving or flow racks

By concentrating bulk parts into less space than traditional linear shelving, Rotabins use every inch of space. They let you pick more parts quicker while standing in one spot than from bins, shelving or even flow rack. Parts are easier to see and reach, and you save walk time for order pickers because they can rotate the shelves to suit them. This helps reduce fatigue and errors.

- Ideal for production areas, maintenance rooms, warehouses, parts counters, hardware stores, assembly operations, home centers, or anywhere bulk parts storage is needed
- They fit on or under counters, in corners, or in rows for flexible applications—you never have to worry about parts being lost in the shadowy back of a shelf
- Listed unit capacities are calculated with all shelves having equally distributed loads



DURHAM
MANUFACTURING

Model Number	Dia. (Inches)	Height (Inches)	Cap. (Lbs.)	No. of Shelves	Compartments		Wt. (Lbs.)
					Per Shelf	Total	
ROTA-1605-95	58"	66-5/16	2000	5	10	50	445.6
ROTA-1604-95		54-1/8		4		40	361.9
ROTA-1503-95	44"	34-5/8	625	3	5	15	153.6
ROTA-1504-95		46-3/4		4		20	195.2
ROTA-1505-95		57-1/2		5		25	236.4
ROTA-1506-95		69-1/2		6		30	273.9
ROTA-1533-95		34-5/8		3	10	30	178.6
ROTA-1534-95		46-3/4		4		40	229.4
ROTA-1535-95		57-1/2		5		50	279.2
ROTA-1524-95		57-1/2		5		45	270.6
ROTA-1536-95		69-1/2		6		60	325.2
ROTA-1304-95	34"	34-1/2	500	4	5	20	139.2
ROTA-1305-95		42		5		25	166.4
ROTA-1306-95		49-3/4		6		30	193.6
ROTA-1307-95		65-3/4		7		35	220.9
ROTA-1308-95		65-3/4		8		40	247.6
ROTA-1323-95		65-3/4		4	4	16	193
ROTA-1205-95	28"	34-1/8		5	6	30	118.7
ROTA-1206-95		40-3/4		6		36	136.4
ROTA-1207-95		46-5/8		7		42	154.2
ROTA-1208-95		52-7/8		8		48	171.9
ROTA-1209-95		59-1/8		9		54	189.7
ROTA-1210-95		65-3/4		10		60	207.5
ROTA-1104-95	17"	17-3/8	60	4	4	16	25.7
ROTA-1106-95		25-3/8		6		24	35.3
ROTA-1108-95		33-3/8		8		32	45
ROTA-1110-95		41-3/8		10		40	54.7



10 compartments
58" & 44" Rotabins



5 compartments;
44" & 34" Rotabins



6 compartments;
28" Rotabins

Accessories

Model Number	Accessory Type	Bin Size	Wt. (Lbs.)
ROTA-1351-08	Plastic Dividers - 20 per carton	34"	4
ROTA-1341-95	Steel Dividers - 20 per carton		18
ROTA-15007	Rotabin Pan for 34" dia. Shelves - Carton of 15		9
ROTA-1342-95	Steel Adjustable - 34" Bulk Storage Rotabin		1.8
ROTA-1251-08	Plastic Divider - 20 per carton	28"	4
ROTA-1241-95	Steel Divider - 20 per carton		12
ROTA-15505	w/1 Divider, carton of 6		4.2
ROTA-1141-95	Steel dividers for 17" Rotabin Units, Carton of 20	17"	4

4 compartments;
17" Rotabins



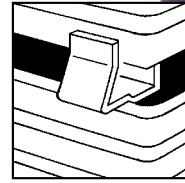
Handle bulk loads with round corner metal containers

Low cost, high-density, safe bulk storage operations

These smooth, round corner corrugated steel containers let you carry with confidence. Their smooth, round corners to help limit any injuries related to sharp edges. Heavy corrugated steel sides and deck ensure durability, while the universal-type stacking feet make sure the containers can be stacked safely and easily. Often used for scrap metal, hardware, & other heavy applications.

- Stackable 4 units high
- Powder coat Vista Green
- 4,000-pound capacity each
- 1/4" universal stacking legs

Model Number	Inside Dimensions L x W x H	Wt. (Lbs.)
RCCM-324024VGQ	33.5 x 41.5 x 28.5	205
RCCM-404824VGQ	41.5 x 49.5 x 28.5	258



Formed, 1/4" stacking legs allow easy, safe container stacking.

Use WorkingTainers as both a heavy duty rigid container and a parts flow hopper



This remarkable versatility is due to its adjustable hopper door. Containers are stackable up to 6 units deep, which can increase floor storage capacity by as much as 500%. Capacity: 4,000 lbs. per container. Features a heavy-duty tubular base and corner posts for durability. Add either a tilt & storage stand or portable tilt stand for an ergonomic effect & better dispensing.

Model Number	Inside Dim. L x W x H (In.)	Wt. (Lbs.)
HDWT-303624VGQ	30 x 36 x 24"	164
HDWT-324024VGQ	30 x 36 x 24"	182
HDWT-364424VGQ	30 x 36 x 24"	203
HDWT-404824VGQ	30 x 36 x 24"	224



STEEL KING

Store heavy, bulky components with steel stacking bins & boxes

Save time, money and space in assembly, processing and storage operations with rugged steel stack bins and stack boxes. They're manufactured of heavy gauge steel, all-welded construction with precise stacking rims for higher, more stable, safer stacking. Anywhere you need high-density, heavy small component storage, steel stacking bins are recommended.

Stackbins

Model Number	Type	W x L x H (Inches)	Wt. (Lbs.)	Stacking Rack	Wt. (Lbs.)
1-0SB	Bin	8" x 4-1/2" x 4-1/2"	1.75	n/a	
1-1SB		12" x 5-1/2" x 4-1/2"	3	1-1SR	4
1-2SB		15-1/2" x 7-1/2" x 6"	5.5	1-2SR	5.5
1-3SB	Bin with handle	18-3/4" x 9" x 7-1/2"	9	1-3SR	8.5
1-4SB		20-1/2" x 12" x 9-1/2"	12.5	1-4SR	10
1-5SB		24" x 15" x 11"	20.5	1-5SR	12
1-6SB		30" x 18" x 12"	30	1-6SR	14
1-8SB		24" x 10" x 8"	12	1-8SR	9

Stackbox



StackBin



STACKBIN

Stacking racks - use one per bin or box ordered

Stackboxes

Model Number	L x W x H (Inches)	Wt. (Lbs.)	Stacking Rack	Wt. (Lbs.)
1-2SX	13" x 7-1/2" x 6"	5.5	1-2SR	5.5
1-3SX	15-3/4" x 9" x 7-1/2"	9	1-3SR	8.5
1-4SX	16-1/2" x 12" x 9-1/2"	12.5	1-4SR	10
1-5SX	19-1/4" x 15" x 11"	20	1-5SR	12
1-6SX	25" x 18" x 12"	16	1-6SR	14
1-8SX	20" x 10" x 8"	12	1-8SR	9

How the Stackbin system works

- 1) Stackbins are designed with open hopper fronts for easier picking and access.
- 2) Stackboxes are higher wall, for denser storage. Drop handles and card holders are standard with all sizes of Stackboxes.
- 3) Stacking racks can be stacked so that either bins or boxes are easily accessed in a complete storage unit. You can put 6,000 pounds of stored components due to heavy construction and patented locking system. Order one rack for each box or bin (see tables to left).
- 4) Finish is baked enamel gray on all components



Store up to 4,000 pounds with stackable, foldable wire mesh containers

Display visible inventory levels at a glance; ergonomic drop-gates

Rugged containers have 4-way entry for easy use with lift trucks, convenient full-width drop gate design for easy load access, and safety rating plates with static load capacity and static load height. Open wire mesh construction ensures products are always visible, fire safety is enhanced, and dust can't accumulate. Heavy-duty construction provides years of service. Bins fold down when not in use and stack for high storage density.

- Custom sizes are available - contact us
- Loaded units can easily be moved by forklift
- Available accessories include bin dollies, casters, security lids, and dividers
- Safety rating plates are affixed to all containers
- Containers meet or exceed all ANSI safety standards



Model Number	D x W x H (Inches)*		Cap. (Lbs.)	Wt. (Lbs.)
	Outside	Interior		
JR1	20 x 32 x 21	18 x 30 x 16	750	56
JR5	20 x 32 x 21	18 x 30 x 16	1000	58
C324233S2	33 x 43 x 39	31 x 41.5 x 33	2000	117
C324028S4	32 x 40 x 34.5	30 x 28 x 28	4,000	135
C404824S4	40 x 48 x 30.5	38 x 46 x 24		176
C404830S4	40 x 48 x 36.5	38 x 46 x 30		180
C404836S4	40 x 48 x 42.5	38 x 46 x 36		191

* Outside height includes approx. 6" leg assemblies. Interior is usable storage dimension.

Collect & transport scrap metal, trash, & construction loads with Self Dumping Hoppers



Great for bulk handling, trash, construction, and scrap applications...

Self Dumping Hoppers are great for in-plant housekeeping. A wide variety of sizes and models are available (If you don't see the size you need, just call customer service). Constructed tough with steel body and formed steel base for a long service life. You can fill them up with everything from trash to scrap metal and move them with a fork lift to be dumped easily.

Model Number	Hopper Type	L x W x H (Inches)	Nesting & Stacking	Lbs. Capacity		Volume Capacity (Yds.)	Wt. (Lbs.)
				Stacked (2/3)	Unstacked		
H-200	Structural Base	66 x 57 x 48	Stackable (Up to 3 high)	2,500 (2) 4,000 (3)	6,000	2	920
H-250		67 x 57 x 55			6,000	2-1/2	950
H-50	Heavy Duty	47 x 39 x 31		4,000 (2) 2,500 (3)	4,000	1/2	460
H-100		62 x 39 x 38-1/2			6,000	1	600
H-150		67 x 44-1/2 x 46-1/4			6,000	1-1/2	750
LH-50	Light Duty	50 x 39 x 29-1/4		1,500 stacked or single	1,500	1/2	369
LH-100		60-1/2 x 39 x 37-1/4	1,500		1	417	
LH-150		60-1/2 x 57 x 37-1/4	N/A	2,000	1-1/2	472	
LH-200		60-1/2 x 57 x 44-1/4		2,000	2	509	
LH-250		60-1/2 x 71 x 44-1/4		2,000	2-1/2	619	
			Nestable				

Product Features

- All listed hoppers are finished in standard Red Oxide Primer, but other colors are available.
- Operating instruction plate bolted onto hoppers - you'll never lose it
- Standard hopper locks, press-fitted rocker pin, and the spring-loaded latch with reinforced latch pin included
- Available options include casters, manual pull bracket with 12' nylon rope, and more
- Hopper capacities may vary when stacked; see table for details

Secure and protect stored items in medium-duty storage & wardrobe cabinets



Storage Cabinets

Storage Cabinets are an ideal solution to storage needs in offices, plants, schools and institutions. Contemporary design and attractive baked enamel finish is compatible with any office decor and easily tough enough for shop applications like tool or parts storage. Cabinets have 4 adjustable (2" increment) shelves, recessed handle with built-in lock & 2 keys; 3 hinges per door. Doors open a full 180 degrees.



Wardrobe Cabinets

Spacious E-Z Bilt Wardrobe Cabinets feature a Full Shelf, a coat rod, and two coat hooks. They're great for coats, uniforms, and supplies storage in a busy warehouse, shop, or office environment. Wardrobe configuration allows for large items to be stored in the open space, as well as hanging rod for coats or coveralls. Contemporary design and attractive baked enamel finish is compatible with any office decor and tough enough for shop applications like tool or parts storage. Cabinet includes a recessed handle with built-in lock & 2 keys; 3 hinges per door; three point latching; and 2" shelf adjustment. Doors open a full 180 degrees.

Storage Cabinets are an ideal solution to storage needs in offices, plants, schools and institutions. Contemporary design and attractive baked enamel finish. Design features include the recessed EZ Bilt Handle with built-in lock & 2 keys; 3 hinges per door; three point latching; 2" shelf adjustment.

Cabinet Type	W x D x H (Inches)	Gray Model No.	Tan Model No.	Wt. (Lbs.)
Storage	36 x 18 x 78	76218-028	76218-723	131
	36 x 24 x 78	76224-028	76224-723	155
Wardrobe	36 x 18 x 78	76318-028	76318-723	119
	36 x 24 x 78	76324-028	76324-723	131



Ultra heavy-duty cabinets for the toughest loads

High capacity, heavy duty cabinets

StrongHold Cabinets are manufactured from 12-gauge steel to last a lifetime. They feature adjustable, 14-gauge adjustable shelves with up to 1,900 pounds capacity. The three-point locking device includes a hasp built into the handle for quick padlocking. Thick, 7-gauge legs are welded on to provide mobility in lifting in order to move from one area to another.



Model Number	W x D x H (Inches)	No. of Shelves	Cap. (Lbs.)	Wt. (Lbs.)
35-243	36"w x 24"d x 60"h	3	1,900	406
36-204	36"w x 20"d x 72"h	4	1,600	435
36-244	36"w x 24"d x 72"h	4	1,900	475
45-243	48"w x 24"d x 60"h	3	1,200	489
46-244	48"w x 24"d x 72"h	4	1,200	573
55-243	60"w x 24"d x 60"h	3	1,650	595
56-244	60"w x 24"d x 72"h	4	1,650	699
65-243	72"w x 24"d x 60"h	3	1,525	726
65-244	72"w x 24"d x 72"h	4	1,525	856

Heavy duty cabinets with shelving & integrated drawers

Secure, economical, lockable cabinets let you store heavy tools, fittings, bulk items

StrongHold's 12-gauge steel, double-tough cabinets might just last a lifetime. Features adjustable 14-gauge shelves with up to 1,900 lbs. capacity each and can be adjusted in 2" increments. Full extension drawers deliver payload capacity of 225 lbs. per drawer. The three-point locking device includes a hasp built into the handle for use with a padlock. The 7-gauge legs are welded on to provide mobility in lifting in order to move from one area to another. Available in multiple configurations to fit your needs.



Model Number	W x D x H (Inches)	No. of Shelves	No. of Drawers	Wt. (Lbs.)
36-243-3DB	36"w x 24"d x 72"h	4	3	685
36-243-5DB	36"w x 24"d x 72"h	4	5	724
36-242-7DB	36"w x 24"d x 72"h	2	7	828
36-243-4DB	36"w x 24"d x 72"h	4	4	715
36-241-8DB	36"w x 24"d x 72"h	2	8	836
36-244-3DB	36"w x 24"d x 72"h	4	3	624



Visibility cabinets provide lockable security but allow easy content inspection



Model Number	W x D x H (Inches)	Type	No. of Shelves	Cap. (Lbs.)	Wt. (Lbs.)
45-LD-243	48"w x 24"d x 60"h	Clearview	3	1,200	487
46-LD-244	48"w x 24"d x 72"h		4	1,200	571
56-LD-244	60"w x 24"d x 72"h		4	1,650	699
56-V-244	60"w x 24"d x 72"h	Ventilated	4	1,650	1,650

Equipped with clear polycarbonate windows on clearview models and diamond shaped perforation on ventilated models, cabinets are perfect for storing valuables & tools and let you keep an eye on them. 3-point locking mechanism includes a padlock hasp. Heavy capacities (listed per shelf) mean you can store heavy, bulky loads.

Bin cabinets deliver high-density storage, organization and security



High density bin cabinets

All-Purpose cabinets provide endless possibilities to securely store your valuable parts and tools. Cabinets ship completely assembled and ready to use. 14-gauge all-welded construction and a durable gray baked-enamel finish means that you'll be using these cabinets. 3-point locking handle is supplied with 2 keys.

Picking cabinets keep parts pushed to bin front

Sloped bins make picking and using stored parts & components easier—and the heavy duty cabinet makes it easy to secure them. The removable shelf bins are on the sloped shelves, making it easier to pick from them. Parts in the bins flow to the front, presenting them in an easily accessible manner.

Wire mesh cabinets for secure storage, easy visual inspection

Lock away valuable inventory, tools, parts, or components and access them easily when needed. Tough wire mesh secures the bins and their contents behind locked doors. They utilize reliable Ultra stack & hang bins, which are removable for work-in-process or restock, and then snap back into place on the louvered back wall.

Advantages

- Deep doors allow smaller bins to be stored on the inside of doors for higher density storage
- Flush doors are standard metal cabinet doors
- Mesh doors are high security and allow quick visual inspection of stored contents
- Cabinets utilize Ultra bins. Most cabinets include the same bin type per cabinet. Contact us for details
- Specify bins color when you order—blue, yellow, green, red, ivory or black (one color per cabinet.) Cabinet finish: gray



Models marked with * have drawer units included for comprehensive parts & tool storage



Ventilated cabinets let you lock up valuable stored items in easy-to-access bins but still maintain visual inspection



Model Number	Cabinet Type	W x D x H (Inches)	Door Type	Bin Type	No. of Shelves	No. of Bins	Door Type	Wt. (Lbs.)
QSC-36	Bin Storage	36" x 24" x 72"	Deep	Various	None	132	Deep	425
QSC-36S				Various	3	102		465
QSC-64-2S-6DS				Various	2	64		427
QSC-36-96-4IS				QUS210	4	96		377
QSC-36-FD		36" x 18" x 72"	Flush		None	36	Flush	359
QSC-3672-4D*		36" x 24" x 36"	Deep		4	53	Deep	663
QSC-36-MIN					None	66		218
QSC-48		48" x 24" x 78"			None	171		522
QSC-48S					3	128		534
QSC-4804					2	84		515
QSC-4803					4	128		505
QSC-60		60" x 24" x 84"			None	227		860
QSC-60S					3	185		878
QPR-101	Picking	36" x 18" x 78"	Flush		None	72	Flush	202
QPR-102					None	45		192
QPR-107					None	36		197
MESH-240	Ventilated	36" x 18" x 78"	Mesh		None	36	Mesh	290
MESH-240250					None	28		303
MESH-250					None	18		288
* Cabinet includes fully extendable drawers								

* Cabinet includes fully extendable drawers

Workbenches for heavy-duty industrial applications - tough & durable

Workbenches

Model Number	Bench Configuration	W x D x H (Inches)	Bench Top	Wt. (Lbs.)
2468	Stringer	48" x 28" x 34"	Steel	90
2502		60" x 28" x 34"		103
2503		60" x 34" x 34"		118
2504		72" x 28" x 34"		117
2505		72" x 34" x 34"		133
2462	Stinger/ 1 Drawer	48" x 28" x 34"		115
2463		60" x 28" x 34"		128
2464		60" x 34" x 34"		143
2465		72" x 28" x 34"		142
2466		72" x 34" x 34"		158
2474	Stringer/ 1 Shelf	48" x 28" x 34"		105
2522		60" x 28" x 34"		120
2523		60" x 34" x 34"		135
2524		72" x 28" x 34"		140
2525		72" x 34" x 34"		156
2400	Stringer/ 1 Drawer/ 1 Shelf	48" x 28" x 34"		130
2401		60" x 28" x 34"		145
2402		60" x 34" x 34"		160
2403		72" x 28" x 34"		165
2404		72" x 34" x 34"		181
2540	Stringer	60" x 28" x 34"	Laminated Hardwood	118
2541		60" x 34" x 34"		140
2542		72" x 28" x 34"		134
2543		72" x 34" x 34"		159
2506		60" x 28" x 34"		143
2507	Stinger/ 1 Drawer	60" x 34" x 34"		165
2508		72" x 28" x 34"		159
2509		72" x 34" x 34"		184
2550		60" x 28" x 34"		135
2551		60" x 34" x 34"		157
2552	Stringer/ 1 Shelf	72" x 28" x 34"		157
2553		72" x 34" x 34"		182
2427		60" x 28" x 34"		160
2428		60" x 34" x 34"		182
2429		72" x 28" x 34"		182
2430	Stringer	72" x 34" x 34"		207
2476		60" x 28" x 34"	Plastic Laminate	133
2477		60" x 34" x 34"		151
2478		72" x 28" x 34"		147
2479		72" x 34" x 34"		171
2518		60" x 28" x 34"		152
2519	Stinger/ 1 Drawer	60" x 34" x 34"		176
2520		72" x 28" x 34"		172
2521		72" x 34" x 34"		196
2480		60" x 28" x 34"		144
2481		60" x 34" x 34"		168
2482	Stringer/ 1 Shelf	72" x 28" x 34"		170
2483		72" x 34" x 34"		194
2435		60" x 28" x 34"		169
2436		60" x 34" x 34"		193
2437		72" x 28" x 34"		195
2438	Stringer/ 1 Drawer/ 1 Shelf	72" x 34" x 34"		219

Workbench Accessories

Model	Type	Size (Inches)	Wt. (Lbs.)
2643-1	Shelf	60"	21
2645-1	Shelf	72"	24
2624	Risers	10-1/2" x 12"	19
2625	Risers	10-1/2" x 12"	22
2626	Risers	10-1/2" x 12"	24
2627	Risers	14" x 18"	26
2628	Risers	14" x 18"	30
2629	Risers	14" x 18"	34
2661	Electrical Strip	48"	4
2662	Electrical Strip	60"	5
2663	Electrical Strip	72"	6
2600	Back & End Stops	48" x 28"	11
2602	Back & End Stops	60" x 28"	13
2603	Back & End Stops	60" x 34"	14
2604	Back & End Stops	72" x 28"	14
2605	Back & End Stops	72" x 34"	15
2630	Pick Rack for Bins	60"	10
2631	Pick Rack for Bins	72"	12
2794	1 Drawer	15-3/4" x 20" x 9"	25
2794-3	3 Drawers	15-3/4" x 20" x 9"	24



Steel
Top



Hardwood
Top



Plastic
Laminate Top

These rock-solid benches are used in assembly operations, mechanical, manufacturing, and shop operations.

The flared leg assembly has welded cross members and knockouts for the installation of standard electrical outlets, and are punched for tops, stringers, shelves and floor anchoring.

Tops

- Steel Tops
- Laminated Hardwood
- Plastic Laminate
- Also available: Pressed wood on steel or hardwood, Comfort Edge (steel or hardwood), and Graphite.

Available Options:

- Lower shelves (included on many std. units listed above)
- Risers - provide storage space above the shelf
- Electrical strip - full width power supply
- Back & end stops - enclose the bench top
- Drawers - lockable storage space
- Pick racks - support bins above the work surface



Shop desks for warehouse, industrial, assembly applications

Sturdy shop desks are built to last. Use them in shipping, receiving, supervisory, repair, process, and clerical activities. Heavy duty desks are built with 12-gauge steel. Choose desk risers, lockable drawers, shelves, security lockers, and other options to get exactly the shop desk for your job.

Model Number	W x D x H (Inches)	Type	Configuration	Wt. (Lbs.)
35100-028	34" x 30" x 41-43.5"	Adjustable height	1-drawer, w/ riser	75
Heavy duty 12-gauge shop desks				
34-SD-AF-TD-280	36" x 28" x 42"	Shipping Desk	1-drawer	241
34-SD-TD-281		Shop desk	2-shelf 1-drawer	373
34-SD-282		Foreman's cabinet	3-shelf	364
34-SD-DS-284		Double duty	6-shelf	410
34-SD-4D-TD-280		Multi-person locker desk	4-locker & 1-drawer	419



Pro-Line workbenches & workstations for versatile, long-lasting operations

High quality working surfaces for assembly, technical, lab, packing, production and more



HD Series Industrial Workbench - an extremely economic modular workbench

- Pleasing aesthetics combined with the heavy duty, independent four leg design
- Built with heavy 16-gage, 2" Square tube legs with high quality paint finish; load capacity 1,000 pounds.
- Accepts a broad variety of accessories and add-on storage, tools, or productivity equipment
- Sizes: 60x30", 60x 36", 72x30", 72x36"; Laminate, ESD, or Maple top options



Cantilever design workbenches - recessed legs for comfortable clearance

- Permits easy station-to-station movement for progressive operations and delivers openness to the work environment; sets up individually or in connected rows
- Accepts a broad variety of accessories and add-on storage, tools, or productivity equipment. Includes a modesty panel, and can accept accessories ranging from bins/holding systems, modular drawers, lighting systems, balancers, and more
- Sizes: 60x30", 60x 36", 72x30", 72x36"; 30" heights. Laminate, ESD, or Maple top options; 750 lbs. cap.



Ergonomic, adjustable height workbenches for easy worksurface adjustment

- Hand crank vertical adjustability reduces repetitive motion injury and increases productivity – operators of all physical sizes can change surface height at will (from 30" to 42")
- 330 lb. capacity workbench comes in 30x60" or 30x72" sizes, with ESD, plastic laminate, and maple surfaces
- Accessorize with cantilever shelves, modular drawers, power, lighting, balancers, bin panels, and more



Packing benches & stations keep everything the packer needs right at hand

- Excellent for packaging, shipping, mail rooms, inventory areas. Provides ergonomic access to paper, tape, and cartons so time is spent working, not bending, stretching or reaching for materials
- 4 Shelves: (1) Full-width dividable lower shelf; (1) 4" h Storage shelf right below the work surface; (1) Carton storage shelf; (1) Dividable cantilever Shelf. Includes bin holder, power strip, shop light, paper spool holder
- Workbenches comes in 30x60" or 30x72" sizes, with ESD, plastic laminate, or maple surfaces; Height adjusts from 30" to 36" to keep work at exactly the right height for the packer. 750 lbs. capacity
- Includes accessory upright for mounting lights, shelves, and other components

Make your operation more efficient with integrated, modular workstations



Workstation efficiency is using the least amount of worker's time, motion and space to successfully accomplish a predetermined task. Work and storage space is optimized so the workstation accommodates the functional equipment, materials, and supplies necessary to complete the intended operation. Worker's movements in and around the station are minimized to eliminate wasted motion, lifting, bending, and reaching. Flow of materials through and out of the workstation is integrated with your handling system to sustain and increase productivity levels.

IMPORTANT: listed models are just one way to configure your workstation. Contact us for assistance. These workstations are customized to individual needs more often than not. Listed units offer just one way to configure a workbench.

Shipping & Manifest Stations

Organize packing materials, computers, printers, scanner, scales, and more with shipping stations. Properly equipped workstations make it easy for workers to organize computers and related equipment, printers, scanner, scales, etc. They can access shipping schedules, prepare manifests, manage and store their paperwork and reference materials.



Packing Benches

Great for packing operations in order picking areas, shipping, distribution centers, & returns centers. Puts supplies, computers, and efficient storage right at worker's fingertips. Above and Below Bench components can be added or deleted as required. Tough-built with 14-16 gauge steel. Pack bench & table adjust to accommodate the packer.

Over-Conveyor Workstations

Turn wasted space over conveyors into productive packing, manifesting, or testing. Specifically engineered for conveyor applications where floor space is tight and the need for work space is significant. Use for carton void filling, packing, manifesting, testing, small parts assembly, computer stands - whatever you need.



Heavy Duty Test Benches

These are heavy-duty workstations for assembly, testing, and maintenance. They support up to 3,000 pounds. With a description of your operations and anticipated tasks, we will provide you with drawings, information, and suggestions showing how these modular components can be integrated to give you an ergonomically engineered workstation.

Dehnco™



Model Number	W x D x H (Inches)	Bench Type	Function	Wt. (Lbs.)
MS-1201	68" x 33" x 59"	Manifest Bench	Duo Manifest	323
MS-1205	68" x 33" x 29-36"		Basic Manifest	170
MS-1302	64" x 17" x 59"		Over-Conveyor Manifest	186
MS-1305	68" x 33" x 72"		Double Manifest	291
MS-1307	64" x 9" x 72"		Manifest Stand	118
OC-1501	64" x 17" x 72"	Over Conveyor Stand	Packing	151
OC-1502	64" x 17" x 72"		Material Storage	147
OC-1503	64" x 17" x 72"		Testing/Manifest	186
OC-1505	64" x 17" x 29-36"		Double Manifest	156
OC-1504	64" x n/a" x 29-36"		Over-Conveyor Assembly	154
PBS-904	68" x 33" x 29-36"	Packing Bench	Economy	290.5
PBS-905	68" x 33" x 29-36"		Basic	201
PBS-909	68" x 66" x 29-36"		Back-to-Back	412
PBS-911	83" x 33" x 29-36"		Full Function	261
PBS-918	68" x 33" x 29-36"		Packing Station	300
PBS-935	83" x 33" x 29-36"	Shipping Station	Standard	266
MS-1203	68" x 33" x 29-36"		Manifest & Receiving	256
MS-1204	68" x 33" x 29-36"		Receiving	280
MS-1301	68" x 33" x 29-36"		Shipping & Receiving	308
MS-1303	68" x 33" x 29-36"		Receiving	233
MS-1304	83" x 33" x 29-36"	Test Bench	Basic Receiving	244
MS-1306	68" x 33" x 29-36"		Shipping	199
HD-1401	68" x 33" x 29-36"		Heavy Testing & Assembly	323
HD-1402	68" x 33" x 32"		Assembly	241
HD-1403	68" x 33" x 29-36"		Heavy Mod. Maintenance	298
HD-1404	68" x 30"	Test Bench	Heavy Duty Maintenance	128
HD-1405	68" x 33"		Heavy Duty Testing/LAN	287

Technical Workbenches for sensitive ESD applications - organized and modular



Model Number	W x D (Inches)	Cabinet Pedestal	Workbench Features	Wt. (Lbs.)
QSTB40	60" x 30"	Single (3 total drawers)	File drawer	330
QSTB41			Riser/power strip	410
QSTB42			File drawer	345
QSTB43	72" x 30"	Double (7 total drawers)	Riser/power strip	435
QSTB44			File drawer	470
QSTB45			File drawer	520
QSTB46			File drawer	485
QSTB47	72" x 30"		File drawer	575

Typical applications include test, service, repair, and quality control

Bench top is Bullnose Gray plastic laminate. Drawers hold 150 pounds of drawer weight capacity. Ergonomic drawer handles improve safety, appearance and ergonomics. Easy-access leveling adjustments help create a completely level work surface. Can be ordered

with ESD (Electrostatic Dissipative) worksurfaces and drawer accessories to protect sensitive electronic components.



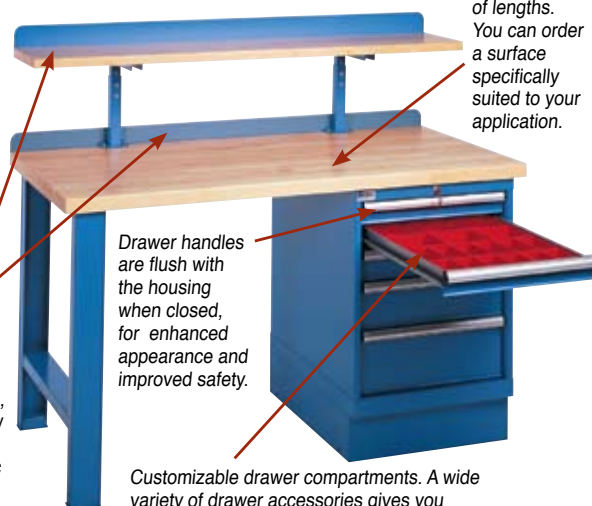
Modular drawer workbenches allow organized, safe, secure storage

Provide modular drawer storage, impressive durability

They are available with cabinet pedestals in a wide array of footprints and heights. We offer several easy-to-order configurations here, but others are available in different sizes with options ranging from hinged doors to shelves and the remarkable Lista modular drawer, which can be subdivided to create custom compartments for organization of tools, components and instrumentation. Ergonomic design ensures easy, safe access with a minimum of stress and strain.

Model Number	W x D (Inches)	Drawers	Compartmentments	Features	Wt. (Lbs.)
QSWB-1-60	60" x 30"	None	None	Back Stop	145
QSWB-1-72	72" x 30"				165
QSWB-2-60	60" x 30"	5	53	Back & End Stops	365
QSWB-2-72	72" x 30"				385
QSWB-3-60	60" x 30"			Back & End Stops/ Shelf Riser	435
QSWB-3-72	72" x 30"				460
QSWB-4-60	60" x 30"	6	57	Cabinet, Riser, Back & End Stops	560
QSWB-4-72	72" x 30"				585

A wide variety of benchtop accessories—risers, end stops, and more—allow you to create benches specific to your task.



All tops come in a variety of lengths. You can order a surface specifically suited to your application.

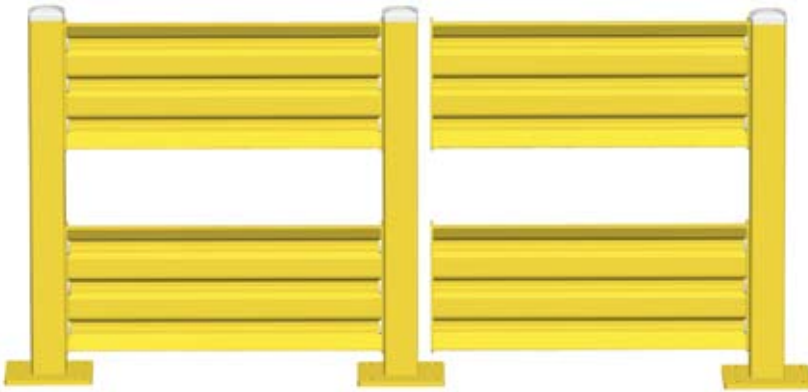
Drawer handles are flush with the housing when closed, for enhanced appearance and improved safety.

Customizable drawer compartments. A wide variety of drawer accessories gives you maximum flexibility for better organization and faster retrieval.

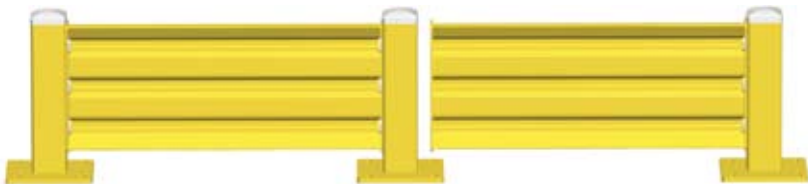


Protect people, equipment, and inventory with heavy-duty Steel Guard Rail

Heavy-duty, 11-gauge steel guard railing absorbs and deflects impact from forklifts and other powered, mobile equipment



Double-high starter & adder guard rails



Single-high starter & adder guard rails



Components: rails & posts

Model Number	Component Type	Size	Wt. (Lbs.)
DCL-P1230	Double high post	43" tall	128
SCL-P1230	Single high post	18" tall	80
GR01	Rail Section	1' wide	16
GR02		2' wide	26
GR03		3' wide	36
GR04		4' wide	46
GR05		5' wide	56
GR06		6' wide	66
GR07		7' wide	76
GR08		8' wide	86
GR09		9' wide	96
GR10		10' wide	106

Cost effective barrier protects sensitive equipment, racks, machinery

Steel Guard is modular, expands and relocates easily as needs change. Utilize steel guardrails to protect conveyors, racks, work areas, walls, meters, in-plant offices, or anywhere in your facility that needs to separate people, inventory, equipment or areas from lift truck traffic.

STEEL KING

- 1) Starter Units consist of 2 posts, 1 guard rail, hardware, and floor anchors. They are freestanding.
- 2) Adder Units consist of 1 post, 1 guard rail, hardware, and floor anchors. Adder units must connect to starter units to create a run of rail, an L-shape, a corral shape, or other various configurations to fit your application.
- 3) Posts: 4" x 4" x 1/4" wall structural steel tube posts with 10" x 10" x 5/8" welded base plates pre-punched for anchoring. Anchor bolts are included. Posts are drilled to function as either corner or center posts.
- 4) Rails: Corrugated (3-rib) 11-gauge high strength steel rails. Rails are 14" high x 2-1/2" deep with a 3-bolt connection on each rail end. Rail bolts are included. Finish: durable, highly-visible powder coat safety yellow.
- 5) Posts must be floor-anchored.

Starter & adder steel guard rails

Type	Height* (Inches)	Width* (Feet)	Starter Model	Weight (Lbs.)	Adder Model	Weight (Lbs.)
Single High	18"	1'	SH-S-1FT	96	SH-A-1FT	56
		2'	SH-S-2FT	106	SH-A-2FT	66
		3'	SH-S-3FT	116	SH-A-3FT	76
		4'	SH-S-4FT	126	SH-A-4FT	86
		5'	SH-S-5FT	136	SH-A-5FT	96
		6'	SH-S-6FT	146	SH-A-6FT	106
		7'	SH-S-7FT	156	SH-A-7FT	116
		8'	SH-S-8FT	166	SH-A-8FT	126
		9'	SH-S-9FT	176	SH-A-9FT	136
		10'	SH-S-10FT	186	SH-A-10FT	146
Double High	42"	1'	DH-S-1FT	160	DH-A-1FT	96
		2'	DH-S-2FT	180	DH-A-2FT	116
		3'	DH-S-3FT	200	DH-A-3FT	136
		4'	DH-S-4FT	220	DH-A-4FT	156
		5'	DH-S-5FT	240	DH-A-5FT	176
		6'	DH-S-6FT	260	DH-A-6FT	196
		7'	DH-S-7FT	280	DH-A-7FT	216
		8'	DH-S-8FT	300	DH-A-8FT	236
		9'	DH-S-9FT	320	DH-A-9FT	256
		10'	DH-S-10FT	340	DH-A-10FT	276

* Nominal dimensions. Actual heights are 5/8" taller. Widths are center-to-center. Guard rail kit is approximately 4" wider than nominal.

Ultra-heavy guardrails built for maximum protection

- Built with cylindrical steel cores, which are covered with bright yellow polyethylene sleeves
- Removable and reusable as floor plans change
- Never paint it; it just wipes down for easy maintenance
- Made of incredibly tough schedule 40 and 80 steel pipe sleeved with durable poly for long life and high visibility; it withstands multiple hits and can retain integrity
- 12,000-pounds load tested



ideaSHIELD®



In the event of a collision, protect the building, the forklift, and the operator with flexible column guards, corner guards, bollard sleeves, & concrete wraps

A cushion of air protects your exposed building columns



Install easy-to-install column guards around your building's exposed interior columns to prevent repairs, reduce maintenance, and lessen the chances of injuries and equipment damage. The bumper surrounds the column with a cushion of protective air. The guard reduces chances of a collision because it's colored high-visibility yellow.

Model Number	Post Dia. (Inches) & Type	Diameter (Inches)	Height (Inches)	Wt. (Lbs.)
CS2442-6S	6" square	24"	42"	70
CS2442-8S	8" square			70
CS2442-10S	10" square			70
CS2442-12S	12" square			70
CS2442-14S	14" square	33"		75
CS3342-16S	16" square			75
CS3842-18S	18" square	38"		100
CS2442-8x10H	8" x 10" H-post	24"		70
CS2442-9R	9" round			70

- Constructed of stress-crack resistant, low-density polyethylene
- Wall thickness of .22" and is UL Listed as UL94 Flame Class
- Patented air-chamber allows air to escape during impact, allowing the column protector to absorb impact without splitting the sides
- Recent tests concluded that Column Sentry® protectors are 83% more impact resistant than competing products

Concrete wraps protect concrete columns & bases



Composed of a 2" (5cm) thick layer of closed-cell foam with a highly visible EVA plastic shell. Ships in flat sheets and is wrapped around existing structures. Unique shape lets it bend around existing curved objects. Depending on the size of the structure, more sheets can be added to extend the protection. Front face includes a recess so that included belts will pull them tight.



Model Number	Concrete Wrap Type & Size	Wt. (Lbs.)
CW0224-42	42" Tall, 44" Wide Sheet	22
CW0224-48	48" Tall, 44" Wide Sheet	22
CW0224-42-KIT	42"h Kit, fits 24" dia. round column	44
CW0224-48-KIT	48"h Kit, fits 24" dia. round column	44

Bollard protectors give your old bollards and posts a face lift while protecting them from the elements

Model Number	Height (Inches)	Post Dia. (Inches)	Wt. (Lbs.)
BPD-YL-4-36-S	36"	4"	8
BPD-YL-4-52-S	52"	4"	8
BPD-YL-5-52-S		5"	9
BPD-YL-6-52-S		6"	10
BPD-YL-7-56-S	56"	7"	13
BPD-YL-3-60-S	60"	3"	7
BPD-YL-4-60-S		4"	9
BPD-YL-6-60-S		6"	12
BPD-YL-8-60-S		8"	13
BPD-YL-6-65-S	65"	6"	13
BPD-YL-3.5-68-S	68"	3.5"	7
BPD-YL-10-69-S	69"	10"	20
BPD-YL-8-69-S		8"	16
BPD-YL-5-72-S	72"	5"	9
BPD-YL-6-84-S	84"	6"	14



Corner Guards shield building corners



Model Number	Type	Wt. (Lbs.)
CNR2	Corner Guard, 42" tall	5

Protective guards save corners from lift truck impact damage

Corners get beat up in heavy lift-truck traffic areas. Corner Sentry™ absorbs the impact, reducing—perhaps eliminating—damage to both the corner and to the vehicle. Made with highly-visible, bright yellow EVA material to help prevent collisions. It is tapered to provide protection to the corner while keeping a low profile.

Corner guards can be installed with mechanical fasteners or with the use of cinch straps (not included) to square posts or concrete columns.

Bumper post sleeves eliminate costly scraping & painting of guard posts. Posts a decade old can look like you put them in yesterday. Polyethylene thermoplastic sleeve slides over existing guard posts. Keep that brand new look for years to come.

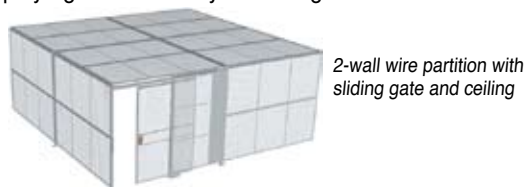
Protect your inventory, segment your warehouse, create secure areas, and control access to valuables with wire security partitions & cages

Wire security cages, with ceilings - standard models

Height (Feet)	Length (Feet)	Width (Feet)	Gate Type	2-Wall Model	Wt. (Lbs.)	3-Wall Model	Wt. (Lbs.)	4-Wall Model	Wt. (Lbs.)
10'	10'	10'	5' sliding	66035	604	66055	784	66075	986
	20'	10'		66036	862	66056	1,042	66076	1,415
		15'		66037	1,246	66057	1,521	66077	1,914
		20'		66038	1,513	66058	1,872	66078	2,253
	30'	20'		66039	2,090	66059	2,449	66079	3,009
8'	8'	8'	4' sliding	66140	445	66160	581	66180	738
			3' hinged	66146	445	66166	581	66186	738
	10'	10'	5' sliding	66030	525	66050	681	66070	854
	12'	8'	4' sliding	66141	575	66161	915	66181	924
			3' hinged	66147	575	66167	915	66187	924
		12'	4' sliding	66142	749	66162	961	66182	1,194
			3' hinged	66148	749	66168	961	66188	1,194
	16'	8'	4' sliding	66143	683	66163	916	66183	1,098
			3' hinged	66149	683	66169	916	66189	1,098
		12'	4' sliding	66144	864	66164	1,076	66184	1,343
			3' hinged	66150	864	66170	1,076	66190	1,343
		16'	4' sliding	66145	1,017	66165	1,275	66185	1,563
			3' hinged	66151	1,017	66171	1,275	66191	1,563
	20'	10'	5' sliding	66031	758	66051	913	66071	1,233
		15'	5' sliding	66032	1,127	66052	1,374	66072	1,702
		20'	5' sliding	66033	1,384	66053	1,693	66073	2,021
	30'	20'	5' sliding	66034	1,936	66054	2,245	66074	2,727

Security cages with wire mesh ceilings

Ceiling prevents entry from the top of the cage. They are not load-bearing. Wall and Ceiling and wall panels are identical & interchangeable, simplifying relocation/layout changes.



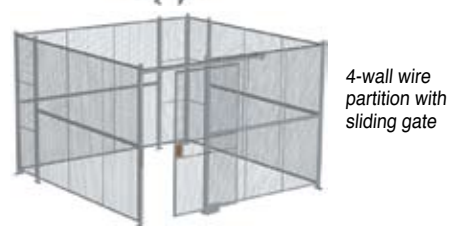
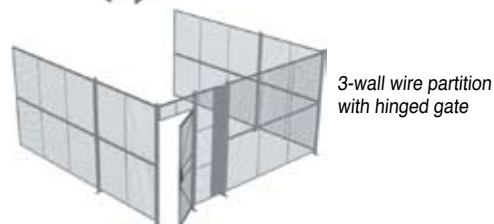
Wire security cages, open top - standard models

Height (Feet)	Length (Feet)	Width (Feet)	Gate Type	2-Wall Model	Wt. (Lbs.)	3-Wall Model	Wt. (Lbs.)	4-Wall Model	Wt. (Lbs.)
10'	10'	10'	5' sliding	66025	438	66045	610	66065	804
	20'	10'	5' sliding	66026	610	66046	782	66066	1,147
		15'	5' sliding	66027	717	66047	984	66067	1,361
		20'	5' sliding	66028	781	66048	1,124	66068	1,489
	30'	20'	5' sliding	66029	952	66049	1,295	66069	1,831
8'	8'	8'	4' sliding	66080	319	66100	446	66120	594
			3' hinged	66086	319	66106	446	66126	594
	10'	10'	5' sliding	66020	359	66040	507	66060	672
	12'	8'	4' sliding	66081	395	66101	726	66121	726
			3' hinged	66087	395	66107	726	66127	726
		12'	4' sliding	66082	439	66102	642	66122	866
			3' hinged	66088	439	66108	642	66128	866
	16'	8'	4' sliding	66083	441	66103	665	66123	838
			3' hinged	66089	441	66109	665	66129	838
		12'	4' sliding	66084	485	66104	688	66124	937
			3' hinged	66090	485	66110	688	66130	937
		16'	4' sliding	66085	561	66105	810	66125	1,080
			3' hinged	66091	561	66111	810	66131	1,080
	20'	10'	5' sliding	66021	506	66041	653	66061	965
		15'	5' sliding	66022	598	66042	837	66062	1,149
		20'	5' sliding	66023	652	66043	945	66063	1,257
	30'	20'	5' sliding	66024	798	66044	1,091	66064	1,549

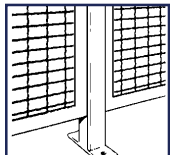
WireCrafters

Security cages with open ceilings

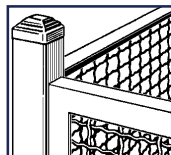
You can generally add a ceiling later if desired.



Posts anchor to floor



Concealed hardware



Panels bolt to posts



WIRE SECURITY PARTITION CONFIGURATION NOTES:

- 1) Listed dimensions represent the enclosed area. Outside dimensions are slightly (from 2" to 8") larger.
- 2) Standard hole pattern allows a 3.25" sweep space between floor and bottom of panel.
- 3) Special length posts available up to 40' tall. 20 standard-sized panels 4' or 5' high by 1' to 10' wide. Stack two or more panels between posts to reach wall height. All panels work in ceilings and walls.
- 4) **LOCKS:** Front locks include Key locks (standard), Thumb-turn latch (non-locking), door knob entry (non-locking). Backside locks include recessed thumb turn knob, interior keyed (allows locking from both sides, door knob, and lever handle. Std. locks are keyed differently but may be keyed alike.
- 5) Custom shapes and configurations are available. We can enclose and secure nearly any space.

Single-wall wire security partitions

Height (Feet)	Width (Feet)	Gate Type	Model Number	Wt. (Lbs.)
10'	10'	3' Hinged	W1010H	304
		4' Sliding	W1010S	304
	12'	3' Hinged	W1210H	334
		4' Sliding	W1210S	334
	14'	3' Hinged	W1410H	411
		4' Sliding	W1410S	411
	16'	3' Hinged	W1610H	433
		4' Sliding	W1610S	433
	18'	3' Hinged	W1810H	475
		4' Sliding	W1810S	475
	20'	3' Hinged	W2010H	487
		4' Sliding	W2010S	487
	22'	3' Hinged	W2210H	515
		4' Sliding	W2210S	515
	24'	3' Hinged	W2410H	527
		4' Sliding	W2410S	527
8'	10'	3' Hinged	W2610H	604
		4' Sliding	W2610S	604
	12'	3' Hinged	W2810H	634
		4' Sliding	W2810S	634
	14'	3' Hinged	W3010H	658
		4' Sliding	W3010S	658
	16'	3' Hinged	W108H	261
		4' Sliding	W108S	261
	18'	3' Hinged	W128H	275
		4' Sliding	W128S	275
	20'	3' Hinged	W148H	341
		4' Sliding	W148S	341
	22'	3' Hinged	W168H	361
		4' Sliding	W168S	361
	24'	3' Hinged	W188H	397
		4' Sliding	W188S	397
6'	10'	3' Hinged	W208H	407
		4' Sliding	W208S	407
	12'	3' Hinged	W228H	431
		4' Sliding	W228S	431
	14'	3' Hinged	W248H	441
		4' Sliding	W248S	441
	16'	3' Hinged	W268H	507
		4' Sliding	W268S	507
	18'	3' Hinged	W288H	533
		4' Sliding	W288S	533
	20'	3' Hinged	W308H	553
		4' Sliding	W308S	553



Left: single-wall partition with hinged gate. Right: with sliding gate

Wire partition types

- 1-wall: Enclose an area by anchoring on two facing walls or building columns to create a secure wire partition. Can also be used at the end of rack rows or in other areas to create a single-wall barrier. 1-sided partitions as listed ship with end posts and can be freestanding.
- 2-wall: Fits into corners, utilizing two existing walls and two wire panel walls to enclose the area. Your facility wall must be able to accommodate wall or ceiling panels to utilize a 2-wall partition without post connections.
- 3-wall: Installs against an existing wall, using three wire panel walls and one building wall to enclose an area. Your facility wall must be able to accommodate wall or ceiling panels to utilize a 3-wall partition without post connections.
- 4-wall: Four wall units are completely stand-alone secure rooms that offer a protected space anywhere in your facility they will physically fit.
- **MANY OTHER CONFIGURATIONS AVAILABLE:** Listed sizes are just a small sample of the partition configurations you can utilize. Odd shapes, extremely long, or extremely short runs of wire mesh security are available in many heights and sizes

Facility considerations

- Panels can connect to masonry, block, and some wood walls. Posts at the wall are recommended for dry wall, gypsum, or metal walls. We can help you identify the type of connection needed for your facility
- Partitions are designed to be anchored into a concrete floor. If your floor is uneven, or a surface that cannot hold anchors, contact us. Partitions can be installed on most any floor that can bear their weight, but there may be considerations with various floor surfaces. Contact us for assistance
- Special footplates may be required for certain seismic zone areas

Gates & Doors



3' wide Single Hinge Gate

7'3/4" tall with a transom panel sized to match overall partition height. Includes 10-gauge tight pin hinges, door posts, & hardware. Works on the left or right hand side; swings inside or outside the cage.

Sliding Gates (4' & 5')

Sliding gate extends are full cage height. Enclosure ships with two doorposts, trolley trucks, 16-gauge tracks, and all hardware. Works on the left or right hand side, inside or outside of the partition.

Other doors & windows

Service windows, vertical rise gates, double-hinge, dutch & tunnel doors are available.

Sliding and hinge gates allow hand trucks and carts entry for loading & unloading. For a larger opening, both side-to-side and top-to-bottom, select a sliding gate. For foot traffic, the hinged gate may serve better.

"Man trap" dock door security cages control access

Secure waiting stations for shipping & receiving areas - safe visitor admission



- "Man trap" dock door security cage lets truck drivers, deliverymen, or other visitors enter the personnel door, but not the warehouse without being admitted by your staff.



- Drivers and others can be admitted without allowing full access to your warehouse, docks, or production floor

- Easy to configure, install, relocate as needed

- Welded wire mesh cages are built for complete security: heavy-duty, welded wire mesh panels are fully framed and connected to 2" x 2" x 14 gauge tubular steel posts

- Use 2-side cages in a corner, 3-sides against a wall
- Many sizes and styles not listed are available; contact us for prompt assistance
- Gates are hinged, 3' or 4' wide

Options

CB-3	Door Push Bar
SW-HD	Service Window - 24"W x 20"H
MTB-4	4' Steel Bench
MTB-6	6' Steel Bench
MTB-8	8' Steel Bench

WireCrafters

Model Number	Wall Setup	Dimensions	Hinged Gate	Wt. (Lbs.)
MT2-33HD	2-Sided	3' x 3' x 8'	3'	168
MT2-34HD		3' x 4' x 8'		180
MT2-36HD		3' x 6' x 8'		202
MT2-38HD		3' x 8' x 8'	4'	226
MT2-43HD		4' x 3' x 8'		181
MT2-44HD		4' x 4' x 8'		193
MT2-46HD		4' x 6' x 8'		215
MT2-48HD		4' x 8' x 8'		239
MT3-33HD	3-Sided	3' x 3' x 8'	3'	215
MT3-34HD		3' x 4' x 8'		220
MT3-36HD		3' x 6' x 8'		301
MT3-38HD		3' x 8' x 8'		311
MT3-43HD		4' x 3' x 8'	4'	227
MT3-44HD		4' x 4' x 8'		233
MT3-46HD		4' x 6' x 8'		314
MT3-48HD		4' x 8' x 8'		324

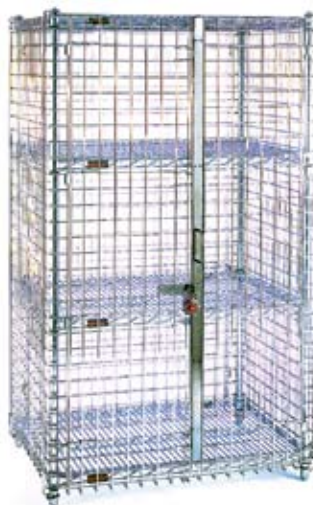
Store and protect valuable items from pilferage with wire security cages

Ideal to store desirable inventory "where it sits" as it's received or processed, at its most vulnerable time for pilferage

Security cages are plated with attractive, bright finish.. 2" x 2" mesh construction finished in chrome. Heavy-gauge open-wire construction keeps contents visible for quick inventory checks. All units are plated with a durable easy-to-clean finish. Full-access double doors swing out at approximately 270° and feature a quick-action locking mechanism with hasps for a padlock.



Model Number	Cage Type	Width (Inches)	Depth (Inches)	Wt. (Lbs.)
SC1436	Stationary Cage 66" heights	39 1/4"	17 1/4"	127
SC2436			27 1/4"	152
SC3036			33 1/4"	182
SC1448		51 1/4"	17 1/4"	145
SC2448			27 1/4"	175
SC3048			33 1/4"	205
SC1460		61 1/4"	17 1/4"	154
SC2460			27 1/4"	184
SC3060			33 1/4"	215
DTSC2436	Mobile Cage (Dolly) 69" heights	39 1/4"	27 1/4"	177
DTSC2448		51 1/4"	27 1/4"	214
DTSC2460		63 1/4"	27 1/4"	245
CSC2436	Mobile Cage (Castered) 69" heights	39 1/4"	27 1/4"	170
CSC3036			33 1/4"	212
CSC2448		51 1/4"	27 1/4"	193
CSC3048			33 1/4"	235
CSC2460		61 1/4"	27 1/4"	212
CSC3060			33 1/4"	245
MSC1436	Mini & Countertop 40" heights	38"	16"	88
MSC2436			26"	100
MSC1448		50"	16"	104
MSC2448			26"	114



- Stationary cages can be stationed wherever you need them to secure inventory. All units are plated with attractive, durable & easy-to-clean finish.
- Dolly base transportable cages are extremely stable, mobile units that protect contents from bumps or collisions. Equipped with four swivel 5" x 1 1/4" poly stem casters, two of which have brakes
- Mobile cages are equipped with four swivel 5" x 1 1/4" poly stem casters & two brakes. Allows you to easily move locked and secure inventory when needed
- Mini/Countertop cages let you put secure, visible storage into a smaller footprint. They make sense when you need multiple, smaller cages in a room rather than larger cages

Visit www.cisco-eagle.com/security for articles, tips, tools and information for making your operation more secure

Stop pilferage by locking tools & bulky equipment in bulk lockers

All-steel bulk storage lockers provide sturdy, secure storage. Heavy duty construction ensures years of maintenance-free performance. Lockers won't sag, lean or buckle. All doors feature secure full length locking mechanisms as standard. Modular design makes lockers easy to plan, install and relocate. Tough lockers have a 5-year warranty.

W x D (Inches)	Locker Type	Starter Model No.	Wt. (Lbs.)	Adder Model No.	Wt. (Lbs.)
3' W x 3' D	Single Tier	ST133GALV	126	AD133GALV	94
3' W x 4' D		ST134GALV	146	AD134GALV	101
3' W x 5' D		ST135GALV	165	AD135GALV	113
4' W x 3' D		ST143GALV	118	AD143GALV	91
4' W x 4' D		ST144GALV	148	AD144GALV	107
4' W x 5' D		ST145GALV	174	AD145GALV	121
3' W x 3' D	Double Tier	ST233GALV	154	AD233GALV	122
3' W x 4' D		ST234GALV	182	AD234GALV	139
3' W x 5' D		ST235GALV	208	AD235GALV	156
4' W x 3' D		ST243GALV	166	AD243GALV	134
4' W x 4' D		ST244GALV	195	AD244GALV	151
4' W x 5' D		ST245GALV	222	AD245GALV	168

NOTES:

- 1) Backs and tops are not included; specify them when you order. (Many applications will not need backs or tops due to being in enclosed spaces or against walls. Add them as needed).
- 2) Lockers available in single, double or triple tier configurations, and can be combined. Begin with a Starter; complete a row with adder units.
- 3) Easy to Install: Component panels are pre-punched and slotted for easy planning, assembly and relocation with standard hand tools. Units bolt to wall or floor.
- 4) Optional shelves, galvanized and wire, are available.



Secure inventory "where it sits"—easily and quickly—with loss prevention cabinets

Model Number	D x H x W (Inches)	Door Type	Wt. (Lbs.)
LPC-4018-6	18d x 72h x 48w	Single Hinged	230
LPC-4030-6	30d x 72h x 48w		254
LPC-4040-6	40d x 72h x 48w		257
LPC-4018-8	18d x 96h x 48w		285
LPC-4030-8	30d x 96h x 48w		296
LPC-4040-8	40d x 96h x 48w		319
LPC-8018-6	18d x 72h x 94w	Double Hinged	397
LPC-8030-6	30d x 72h x 94w		420
LPC-8040-6	40d x 72h x 94w		430
LPC-8018-8	18d x 96h x 94w		461
LPC-8030-8	30d x 96h x 94w		482
LPC-8040-8	40d x 96h x 94w		461



Open mesh design allows visual inspection

A key to pilferage control is securing valuable inventory "where it sits"—on the store floor, in the stockroom, on the dock. Loss Prevention Cabinets help you secure it where you store it, easily and quickly—whether that is on the sales floor, in the back room, or the warehouse. Open wire mesh design allows for quick visual inspection and will not block sprinkler systems. Industrial-grade hinged doors have built-in cylinder locks. Excellent for small to medium sized products.

Left: Single hinged security cabinet with optional shelves. Double hinged units (right) can fit into standard pallet rack bays. Custom sizes available.



Securely store tools, test equipment, parts, & other valuables in visibility lockers

Secure, visible storage w/ adjustable shelves

Lockers are built of 8-gauge, welded wire with 1" x 3" spacing, on a sturdy 14 gauge, 1-1/4" x 5/8" c-channel frame. Single unit consists of 1 vertical locker with 1 full height door. The door features exclusive two-point locking system with concealed drop-rod, plus one padlock hasp (padlock not included). Solid roof. Floor attachment included. Hot-dipped galvanized finish.

Model Number	W x D x H (Inches)	No. of Shelves	Wt. (Lbs.)
VIS-1818-SNG	18w x 18d x 72h	5	80
VIS-3030-SNG	30w x 30d x 80h	3	110



NOTES:

- 1) Door: Full height Drop-N-Lock, two-point locking system with concealed drop rod and padlock hasp.
- 2) Roof, back & bottom panels are 22-gauge galvanized sheet metal.
- 3) 5-year manufacturer warranty.
- 4) Full-height door features Drop-N-Lock™ two point locking system with a concealed drop rod and padlock hasp.
- 5) Options: Mobile bases. Powder coating finish available in nine colors.
- 6) Sides and door are made of tough 8-gauge galvanized welded wire, with 1-1/2" x 3" spacing. Roof, back and bottom panels made from 22 gauge galvanized sheet metal.

Secure loading docks, lift-up & garage bays, service doors, hallways & entrances without sacrificing access, visibility or air circulation with folding steel gates

Single & double folding gates for industrial, warehouse, dock-door & storefronts

Control who comes and goes and maintain visibility while retaining the ability to quickly open & close any opening. Gates built with open webbing for air circulation and visibility during the day and tight security around the clock. Gates pivot 180° on their mountings so they pivot completely out of the way, leaving the opening free of obstructions. They fold easily back, out of the way when people or equipment need to pass, but are a lockable barrier when closed. Gates can be installed virtually anywhere and any way you need them, including inside door jambs, outside door jambs, between posts or bollards, attached to pallet racks, between walls and in windows.

Door gates secure doorways and other openings less than 48"

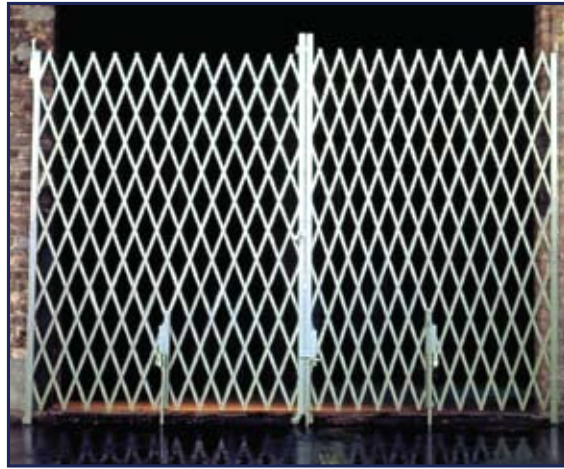
Door gates are designed to fit smaller door openings than standard Folding Guard Gates. They can be mounted on the left or right side, in the casing or on the door facing. Maximum width is 48". All-galvanized finish. Door gates fit smaller door openings than standard folding gates. This hinged door gate can be mounted on the left or right side, in the casing or on the door facing (inside or outside the jamb) at a maximum width of 48". It collapses completely out of the way, providing safe door openings, 100% obstruction-free. It's perfect for securing high-traffic hallways or entryways in any type of business or industry. These gates pivot on hinges so they open in or out just like a door, but with the enhanced air circulation and visibility of a standard steel folding gate. By providing that added light and better air circulation you'll save on air conditioning costs. Plus the increased security of folding door gates means less theft and reduced loss prevention costs. And that means a healthier workplace, a safer school, and a more secure warehouse.

Portable gates provide instant security whenever, wherever you need it

Folding Guard Portable Gates expand and lock to close off any opening. When not in use, simply fold up, roll away and store in closet. Starter gate expands to 12 feet. You can add an unlimited number of 6-foot adder gates to create a barrier exactly the size you need. Gates are locked to a wall at each end via a padlock hasp (wall hardware included). Fully collapsed gates are 78" tall and rest on 3" rubber wheels extended out from 30" axles. Gates lose height when expanded.



Door gates - 48" openings 31"-83" height



Double folding gate - widths from 6' to 22' & heights from 6' to 8'. (Standard sizes; others available).



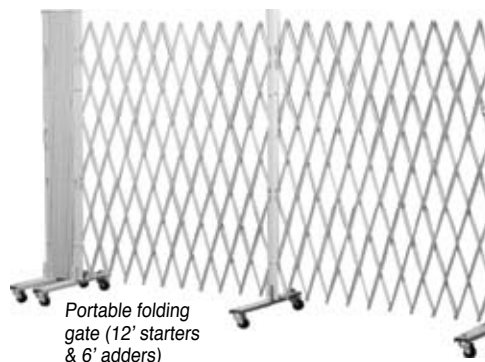
Single folding gate - from 3' to 12' wide, 6' to 8' tall (standard sizes; others available).

Door Gates - 48"W

Model Number	Height (In.)	Wt. (Lbs.)
D-31	31"	16
D-33	33"	18
D-37	37"	20
D-40	40"	22
D-43	43"	23
D-46	46"	24
D-49	49"	25
D-51	51"	26
D-59	59"	28
D-61	61"	32
D-63	63"	35
D-66	66"	35
D-71	71"	45
D-73	73"	47
D-76	76"	47
D-79	79"	50
D-81	81"	51
D-83	83"	52

Portable Folding Gates

Gate Type	Height (Inches)	STARTERS			ADDERS		
		Starter Model	Width (Feet)	Wt. (Lbs.)	Adder Model	Width (Feet)	Wt. (Lbs.)
Portable Folding Gate	78"	XL1265	12'	135	XL665	6'	64
	84"	XL1270		140	XL670		65
	90"	XL1275		146	XL675		70
	96"	XL1280		172	XL680		80
	102"	XL1285		180	XL685		85
Mobile Barrier Gate	48"	XL1240		90	XL640		40



Portable folding gate (12' starters & 6' adders)

Portable Barrier Gates allow quick, easy portable access control

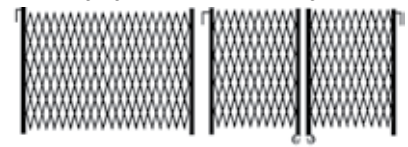
Barrier gates allow light and air circulation while providing moveable safety and security. They're galvanized steel and powder coated in safety colors for high visibility. Freestanding gates seal off hazards and protect against accidents. They're perfect for temporary access control.

Temporarily seal off access to any area—for maintenance, cleaning or repair work—and still allow multiple entry points.

Reduce pilferage, increase security, & maintain flexibility while allowing quick access when you need it

Single gate

Double gate



Single Folding Gates

Model Number	Width (Feet)	Height (Feet)		Wt. (Lbs.)
		Collapsed	Extended	
SSG465-ANG	3'-4'	6' 6"	6'	58
SSG470-ANG		7'	6'6"	61
SSG475-ANG		7' 6"	7'	64
SSG480-ANG		8'	7'6"	67
SSG485-ANG	4'-5'	8' 6"	8'	70
SSG565-ANG		6' 6"	6'	61
SSG570-ANG		7'	6'6"	62
SSG575-ANG		7' 6"	7'	65
SSG580-ANG	5'-6'	8'	7'6"	67
SSG585-ANG		8' 6"	8'	69
SSG665-ANG		6' 6"	6'	64
SSG670-ANG		7'	6'6"	66
SSG675-ANG	6'-7'	7' 6"	7'	68
SSG680-ANG		8'	7'6"	70
SSG685-ANG		8' 6"	8'	72
SSG765-ANG		6' 6"	6'	69
SSG770-ANG	7'-8'	7'	6'6"	71
SSG775-ANG		7' 6"	7'	73
SSG780-ANG		8'	7'6"	75
SSG785-ANG		8' 6"	8'	77
SSG865-ANG	8'-9'	6' 6"	6'	74
SSG870-ANG		7'	6'6"	77
SSG875-ANG		7' 6"	7'	80
SSG880-ANG		8'	7'6"	83
SSG885-ANG	9'-10'	8' 6"	8'	87
SSG965-ANG		6' 6"	6'	80
SSG970-ANG		7'	6'6"	85
SSG975-ANG		7' 6"	7'	87
SSG980-ANG	10'-11'	8'	7'6"	89
SSG985-ANG		8' 6"	8'	94
SSG1065-ANG		6' 6"	6'	88
SSG1070-ANG		7'	6'6"	91
SSG1075-ANG	11'-12'	7' 6"	7'	92
SSG1080-ANG		8'	7'6"	94
SSG1085-ANG		8' 6"	8'	97
SSG1165-ANG		6' 6"	6'	95
SSG1170-ANG	10'-11'	7'	6'6"	100
SSG1175-ANG		7' 6"	7'	105
SSG1180-ANG		8'	7'6"	110
SSG1185-ANG		8' 6"	8'	115
SSG1265-ANG	11'-12'	6' 6"	6'	110
SSG1270-ANG		7'	6'6"	120
SSG1275-ANG		7' 6"	7'	125
SSG1280-ANG		8'	7'6"	130
SSG1285-ANG		8' 6"	8'	140

Double Folding Gates

Model Number	Width (Feet)	Height (Feet)		Wt. (Lbs.)
		Collapsed	Extended	
PFG865-ANG	6'-8'	6' 6"	6'	100
PFG870-ANG		7'	6'6"	104
PFG875-ANG		7' 6"	7'	108
PFG880-ANG		8'	7'6"	112
PFG885-ANG	8'-10'	8' 6"	8'	116
PFG1065-ANG		6'6"	6'	120
PFG1070-ANG		7'	6'6"	124
PFG1075-ANG		7' 6"	7'	128
PFG1080-ANG	10'-12'	8'	7'6"	132
PFG1085-ANG		8'6"	8'	136
PFG1265-ANG		6' 6"	6'	112
PFG1270-ANG		7'	6'6"	116
PFG1275-ANG	12'-14'	7' 6"	7'	122
PFG1280-ANG		8'	7'6"	152
PFG1285-ANG		8' 6"	8'	158
PFG1465-ANG		6' 6"	6'	128
PFG1470-ANG	14'-16'	7'	6'6"	138
PFG1475-ANG		7' 6"	7'	140
PFG1480-ANG		8'	7'6"	164
PFG1485-ANG		8' 6"	8'	174
PFG1665-ANG	16'-18'	6' 6"	6'	140
PFG1670-ANG		7'	6'6"	164
PFG1675-ANG		7' 6"	7'	166
PFG1680-ANG		8'	7'6"	180
PFG1685-ANG	18'-20'	8' 6"	8'	196
PFG1865-ANG		6' 6"	6'	160
PFG1870-ANG		7'	6'6"	170
PFG1875-ANG		7' 6"	7'	180
PFG1880-ANG	20'-22'	8'	7'6"	186
PFG1885-ANG		8' 6"	8'	190
PFG2065-ANG		6' 6"	6'	178
PFG2070-ANG		7'	6'6"	180
PFG2075-ANG	18'-20'	7' 6"	7'	185
PFG2080-ANG		8'	7'6"	192
PFG2085-ANG		8'6"	8'	197
PFG2270-ANG		7'	6'	210
PFG2280-ANG	20'-22'	8'	6'6"	220
PFG2470-ANG		7'	7'	230
PFG2480-ANG		8'	7'6"	240

NOTES:

1) Other sizes, custom configurations, and long runs of folding gates are available—contact us for assistance specifying your gate application.

2) Double gates have steel drop pins on both sides for added security.

3) Gates can be locked with included padlock hasp.

4) Installation is easy and quick (about 30 minutes in most cases), with basic tools. Mounting brackets are included.

5) Gates lose 6" in height when extended.

6) Hardware not included.

7) Single gates are right-locking unless otherwise specified at time of order.

8) Center gate drop pins not included unless requested at time of order.

9) Available accessories include:

- Padlocks: Solid steel chrome padlocks are keyed-alike (KD); contact us for keyed-different options. One padlock is recommended for each single or double folding gate ordered. Padlocks are also recommended for optional web center drop pins.

- Extension brackets (to increase widths),

- H-brackets (to increase double wide gate rigidity and security)

- 8" posts (allows gates to attach to post rather than wall)

- School straps (allows Single, Double, or Portable Gates to be locked in retracted position, preventing people from closing them without a key)

- 12" locking bar: Secures gates firmly to wall. One bar is included with all portable gates. Order extra bars to install in spots where you'll need the gate to be locked in place. Install bars around your facility and move a single gate around to any spot as needed.



Utilize corridor-style metal lockers for secure personal storage

The standard in school and commercial lockers

Vanguard corridor locker door frames have mortise and tenon construction and are securely spot welded for lifetime rigidity. Every door has a vertical flange which creates a continuous door strike. All hinges are full loop, 5 -knuckle design, welded to the frame, and riveted to the door.

Vanguard Locker Notes:

- 1) Dimensions listed per opening.
- 2) For safety reasons, all lockers should be floor or wall anchored.
- 3) Rear leg adjusts to level the lockers.
- 4) Quick ship sizes listed. Other sizes are available.
- 5) Lockers should be floor & wall anchored.
- 6) Single and double tier lockers have multi-point latching that makes opening and closing a door an effortless task. Box locker doors have a functional friction catch that permits the use of built-in locks or padlocks.
- 7) Baked enamel finish, which is applied over a phosphatized smooth steel surface. Many color options are available. Lockers are finished in gray or champagne. Contact us for more color options - many available.
- 8) Stainless steel recessed handle eliminates protrusions from the front of the locker. Other handle options are also available.



LOCKS: Key locks, (left) Inexpensive, simple lock for standard security. Concealed mounting with no exposed parts. resists vandalism. Choose flat or grooved key locks. Built-in combination locks (center) are the most popular built-in lock for lockers. Each lock has 5 combination changes built-in. Combination padlocks (right) are the most popular padlock for lockers. Lowest initial cost for a combination lock.

Single Tier Lockers

Frame Size (Inches)	1-Wide Model No.	Wt. (Lbs.)	3-Wide Model No.	Wt. (Lbs.)
12 w x 12 d x 60 h	68001X	50	68003X	126
12 w x 15 d x 60 h	68011X	52	68013X	135
12 w x 18 d x 60 h	68021X	57	68023X	141
12 w x 12 d x 72 h	68051X	57	68053X	150
12 w x 15 d x 72 h	68061X	65	68063X	156
12 w x 18 d x 72 h	68071X	69	68073X	165
15 w x 18 d x 72 h	68091X	71	68093X	195
18 w x 18 d x 72 h	68101X	83	68103X	219

Single-tier lockers provide full-length coat storage and a shelf for books & hats. Excellent for schools, gyms, health clubs, and other secure storage applications. Combines stylish appearance with durable construction that withstands abuse in a hallway, locker room, or a break area.

The most popular and widely used locker offers maximum space for full hanging of clothing and other belongings. Overall heights including legs: 66" (60" sizes); 78" (72" sizes).



Great for gym, hallway, and business situations, double tier lockers can still hold a jacket or coat. You can fit twice as many users as single tier lockers in the same floor space while still providing enough room for light outer wear and personal belongings. Multi-point latching that makes opening and closing a door an effortless task. Each frame is independently lockable.

Overall heights including legs: 66" (30" frame sizes); 78" (36" frame sizes).



Double Tier Lockers

W x D x H (Inches)	1-Wide Model No.	Wt. (Lbs.)	3-Wide Model No.	Wt. (Lbs.)
12 w x 12 d x 30 h	68111X	52	68113X	126
12 w x 12 d x 36 h	68121X	56	68123X	150
12 w x 15 d x 36 h	68131X	62	68133X	156
12 w x 18 d x 36 h	68141X	66	68143X	168
15 w x 15 d x 36 h	68151X	74	68153X	180
15 w x 18 d x 36 h	68261X	76	68263X	204

3-Tier Lockers

Accommodates three times as many people as single tier lockers in the same floor space, while still providing enough room for light outer wear and personal belongings. Each compartment can be locked with padlocks or built-in locks. All latch hooks have noise-reducing rubber bumpers.



Model Number	Locker Type	Frame Dimensions (In.)	Wt. (Lbs.)
68331X	1-Wide	12 w x 12 d x 24 h	58
68341X		12 w x 15 d x 24 h	62
68351X		12 w x 18 d x 24 h	65
68333X	3-Wide	12 w x 12 d x 24 h	150
68343X		12 w x 15 d x 24 h	162
68353X		12 w x 18 d x 24 h	171

5-Tier & 6-Tier Box Lockers

Due to their compact dimensions, multi-tier lockers allow numerous users in the smallest amount of floor space. Personal storage lockers are perfect for use in schools, gyms, the office, or any place in which secure storage is needed. These lockers are ideal for storage of athletic gear or employee personal storage. Each compartment can be locked independently. Latch hooks have noise-reducing rubber bumpers. Built with a baked enamel finish, which is applied over a phosphatized smooth steel surface which gives them a sleek, stylish appearance, and the durability to withstand years of use.

Model Number	Frame W x D x H	Kind	Type	Wt. (Lbs.)
68161X	12 x 12 x 12	1-Wide	5 Tier	50
68171X	12 x 15 x 12			55
68163X	12 x 12 x 12	3-Wide		135
68173X	12 x 15 x 12			150
68191X	12 x 12 x 12	1-Wide	6 Tier	60
68201X	12 x 15 x 12			66
68211X	12 x 18 x 12			72
68193X	12 x 12 x 12	3-Wide		162
68203X	12 x 15 x 12			180
68213X	12 x 18 x 12			198



Standard Handle Types

1,2 and 3 tier standard lockers ship with recessed handles. Box lockers ship with friction catch handles. Other locker types, including Vanguard-style, spring-loaded positive latch, Classic III stainless steel recessed, and more are available. Consult us for assistance choosing your handle type.



Box locker doors have a functional friction catch that permits the use of built-in locks or padlocks. All latch hooks have noise-reducing rubber bumpers. Includes padlock hasp.



Single, double, and triple tier lockers have a recessed stainless steel handle that makes opening & closing a door effortless. Eliminates protrusions from the front of the locker and also accepts padlocks and combination locks.

All welded & athletic lockers

Useful in many applications whether in gyms, locker rooms, school facilities and more. Contact us for specifications.



Invincible II Athletic Lockers

Ideal where a high degree of ventilation and strength, or where visual inspection of locker contents is desired. Great for locker rooms, gyms, health clubs and other areas where air circulation and security are desired.

Standard 4, 5, 6, 8 and 9 tier box locker doors have a padlock hasp and a friction catch, and will accept built-in locks.

Built tough: Doors made from heavy 14 gauge steel. Sides, tops, bottoms and shelves are 16 gauge steel. Backs are 18 gauge. Doors & sides are perforated with a diamond shaped pattern allowing maximum air circulation while maintaining security.

Specialized Lockers



16-Person Locker

Accommodates 16 users in only 69" of floor space. Includes a 45" wide coat rod. Ideal for employee lockers. Accepts built-in locks or padlocks. Perfect for use in schools, gyms, the office, or any place in which secure storage is needed. Includes a 45" wide coat rod. Utilizes friction catch handle.



Wall Mounted

A practical storage unit where space is at a premium. Four private compartments with a hanging area for 16 coats. When wall mounted, the floor below is kept clear for easy cleaning (wall anchors are not included). This locker can also be set on counters or cabinets (without coat rod). Utilizes friction catch handle.

Model Number	Locker Type & Dimensions (Inches)	Wt. (Lbs.)
68231X	16 Person Locker 69 w x 18 d x 12 h	180
68242X	Wall Mount Locker 45 w x 18 d x 13-5/8 h	43

Stadium Lockers

Stadium lockers are ideally suited for athletic team rooms, fire fighter's equipment or any other application where easy access to uniforms and/or equipment is required. Open front and visually perforated sides create full ventilation while allocating a specific storage space to each individual.

Available in 24" or 33" widths and 18", 21" or 24" depths. K.D. lockers are 72" high; All-Welded models have an integral 4" base, bringing the total height to 76".



Model Number	Pedestals	Length (In.)	Wt. (Lbs.)
9611-K	2	36"	23
9600-K		48"	26
9601-K		60"	30
9602-K		72"	34
9603-K		84"	39
9604-K	3	96"	42
9605-K		108"	53
9606-K		120"	57
9607-K		132"	61
9608-K		144"	65

Locker Room Benches

Maple benches are built with selected hardwood, and finished with clear lacquer. Complete benches are equipped with painted steel tube pedestals. All benches are 17.5"H with a 9.5" deep bench. Pedestals are painted steel (must be floor anchored). Bases are 8" diameter.



Control the environment of your warehouse with vinyl strip doors

Reduce dust, noise levels, and preserve climate-controlled air at any entry point

Strip material types:

- **Standard smooth strips** are for indoor and outdoor temperatures from -10° to 150° F
- **Ribbed:** offset ribbed material reduces scratching and abrasion from heavy use
- **Scratch-Guard** material's non-stick surface reduces static electricity



ALCO

Hardware/Mounting Types:

- **Universal:** Recommended for the heaviest strip applications (such as 16" wide or strips which are particularly long in length.) Can be mounted on side wall or under lintel. Choose aluminum or galvanized hardware.
- **MaxBullet:** 75% faster installation and 90% faster strip replacement times due to bullet mounting systems. Door strips simply push into place on the "bullets". Makes maintenance easier—employees don't have to juggle tools on a ladder to place strips.

W x H (Feet)	Strip & Overlap	Mounting Hardware Type & Model #			
		Universal Aluminum	Universal Galvanized	MaxBullet Aluminum	MaxBullet HTP Silver
4' x 7'	8" x .080, 50% Overlap	ALCO-452246	ALCO-452803	ALCO-440001	ALCO-455001
4' x 7'		ALCO-452220	ALCO-453042	ALCO-440057	ALCO-455013
4' x 7'		ALCO-453043	ALCO-453044	ALCO-440009	ALCO-455032
5' x 8'		ALCO-452210	ALCO-452549	ALCO-440002	ALCO-450003
5' x 8'		ALCO-453045	ALCO-453046	ALCO-440059	ALCO-455015
5' x 8'		ALCO-453047	ALCO-453048	ALCO-440010	ALCO-455033
6' x 8'		ALCO-452212	ALCO-452564	ALCO-440003	ALCO-455004
6' x 8'		ALCO-453049	ALCO-453050	ALCO-442060	ALCO-455016
6' x 8'		ALCO-453051	ALCO-453052	ALCO-440011	ALCO-455034
8' x 8'		ALCO-452250	ALCO-452547	ALCO-440004	ALCO-455005
8' x 8'		ALCO-453053	ALCO-453054	ALCO-440921	ALCO-455017
8' x 8'		ALCO-453055	ALCO-453056	ALCO-440012	ALCO-455035
8' x 8'	12" x .120, 66% Overlap	ALCO-452248	ALCO-452836	ALCO-440076	ALCO-455036
8' x 8'		ALCO-453057	ALCO-453058	ALCO-440078	ALCO-455038
8' x 8'		ALCO-453059	ALCO-453060	ALCO-440077	ALCO-455037
8' x 10'		ALCO-452252	ALCO-452838	ALCO-440005	ALCO-455039
8' x 10'		ALCO-453061	ALCO-453062	ALCO-440523	ALCO-455041
8' x 10'		ALCO-453063	ALCO-453063	ALCO-440013	ALCO-455040
10' x 10'		ALCO-452236	ALCO-452848	ALCO-440006	ALCO-455042
10' x 10'		ALCO-453064	ALCO-453065	ALCO-440063	ALCO-455044
10' x 10'		ALCO-453066	ALCO-453067	ALCO-440014	ALCO-455043
12' x 12'		ALCO-481787	ALCO-491787	ALCO-440049	ALCO-455045
12' x 12'		ALCO-453068	ALCO-453070	ALCO-440065	ALCO-455047
12' x 12'		ALCO-453071	ALCO-453072	ALCO-440080	ALCO-455046

Strip doors reduce energy costs, filter noise, and contain environmental contaminants. Keep your work areas free of dust and debris by preventing passage of contaminants. They segment temperature-controlled areas & lower utility bills while still allowing personnel and equipment passage.



Screen out insects, pests, & debris while maintaining air flow with mesh dock doors

- Reduces heat from sun while allowing fresh air and light into work areas. Great for facilities that must protect painted items or sensitive equipment marred by airborne debris or insects, but would still like to open the dock door for comfort or convenience
- Increases productivity by improving the ventilation & employee comfort
- Rugged custom extruded guide track is built to last and traps the rollers—wind can't blow it out of the doorframe. Top valance and floor sweep form an insect protective seal
- Pre-coated woven polyester mesh (11oz/yd) screen comes in seven different standard colors
- Rot, tear, and mildew resistant screen stands up to water & elements
- Available in manual slide, motorized roll-up, and spring assist screen. See our website or contact us for more information



Goff's
Estimates
We Do It Right

Reduce energy costs, create a comfortable working environment, and boost productivity with high-volume, low-speed industrial ceiling fan systems

Model Number	No. Of Blades	Dia. (Feet)	Motor Power	RPM	Kilo-watts	Cubic Feet per Minute*	Max Square Ft.	Typical Space**	Wt. (Lbs.)
MA24XL2006	6	24'	2 HP	65	1.3	376,804 forward, 263,763 reverse	20,000	110'	436
MA24XL1006	6	24'	1 HP	49	0.8	216,000 forward, 151,000 reverse	18,000	85'	222
MA20XL1006	6	20'	1 HP	59	0.6	157,000 forward, 110,000 reverse	15,000	80'	202

* Cubic Feet per Minute is shown for purposes of comparing one fan to another. The numbers given represent our best effort to accurately quantify fan displacement.

** Typical spacing is the approximate spacing between fans most commonly used in industrial settings. This is usually about 60% of the diameter of the maximum effective area.

IMPORTANT: Many other sizes, power ratings, and configurations available. Contact us for assistance.

With changes due to stock and materials movement, many operations face ongoing temperature control battles during the summer months, with or without air conditioning. HVLS fans provide superior ventilation capabilities. Fans continuously mix incoming fresh & stale air, minimizing ventilation required to achieve adequate air quality. No ventilation technology does this better.



MacroAir
TECHNOLOGIES

- When used standalone, fans reduce the temperature to yield an effective cooling of up to 8° F less within the fan's coverage area.
- When used with an air conditioning system, slow and steady air flow can reduce or eliminate the need for duct work.
- Effective for docks & areas with doors and bays
- During heating seasons, Airvolution technology de-stratifies uneven temperatures, forcing heated air down to floor. Heat differential can be in excess of 15° F from ceiling to floor; saving money as thermostat levels are reduced.
- One HVLS fan consumes about the same electricity as one high-speed alley fan while moving over 12 times the amount the air.
- Better ventilation reduces spoilage due to pent-up moisture pockets or humidity.
- Quiet and non-disruptive operation.



Segment work areas, contain climate, and control dust with curtain walls & stations

Curtain walls are perfect for welding areas, wash bays, paint stations, factories, shops, and airborne particle containment

Model Number	Side Config.	W x H (Feet)	Wt. (Lbs.)
G-11135	1-Sided	6' w x 8' h	15
G-11136	1-Sided	6' w x 9' h	18
G-11134	1-Sided	6' w x 10' h	19
G-11133	1-Sided	6' w x 12' h	19
G-11083	1-Sided	12' w x 8' h	32
G-11084	1-Sided	12' w x 9' h	34
G-11089	1-Sided	12' w x 10' h	35
G-11082	1-Sided	12' w x 12' h	37
G-11088	1-Sided	24' w x 8' h	65
G-11085	1-Sided	24' w x 9' h	67
G-11086	1-Sided	24' w x 10' h	69
G-11087	1-Sided	24' w x 12' h	73
G-11137	2-Sided	24' L x 12' w x 8' h	50
G-11146	2-Sided	24' L x 12' w x 9' h	53
G-11140	2-Sided	24' L x 12' w x 10' h	56
G-11143	2-Sided	24' L x 12' w x 12' h	61
G-11138	3-Sided	24' L x 12' w x 8' h	83
G-11147	3-Sided	24' L x 12' w x 9' h	88
G-11141	3-Sided	24' L x 12' w x 10' h	92
G-11144	3-Sided	24' L x 12' w x 12' h	102
G-11139	4-Sided	24' L x 12' w x 8' h	100
G-11148	4-Sided	24' L x 12' w x 9' h	106
G-11142	4-Sided	24' L x 12' w x 10' h	112
G-11145	4-Sided	24' L x 12' w x 12' h	123

- Instant separation of work areas and protection from hazardous debris
- Can be mounted directly to a ceiling, wall, or suspended from the ceiling
- Meets NFPA-701 test for fire resistance (required law for "limited finishing stations") as well as the California State Fire Marshall Standards
- Water repellent, mildew, & rot resistant; resistant to most chemicals
- Many other sizes available—up to an entire facility or down to a small area. Contact us for assistance
- Confines contaminants such as dust, paint & primer overspray, grinding sparks and water or chemical mist



AisleCop™ helps control dangerous forklift aisles through automatic detection

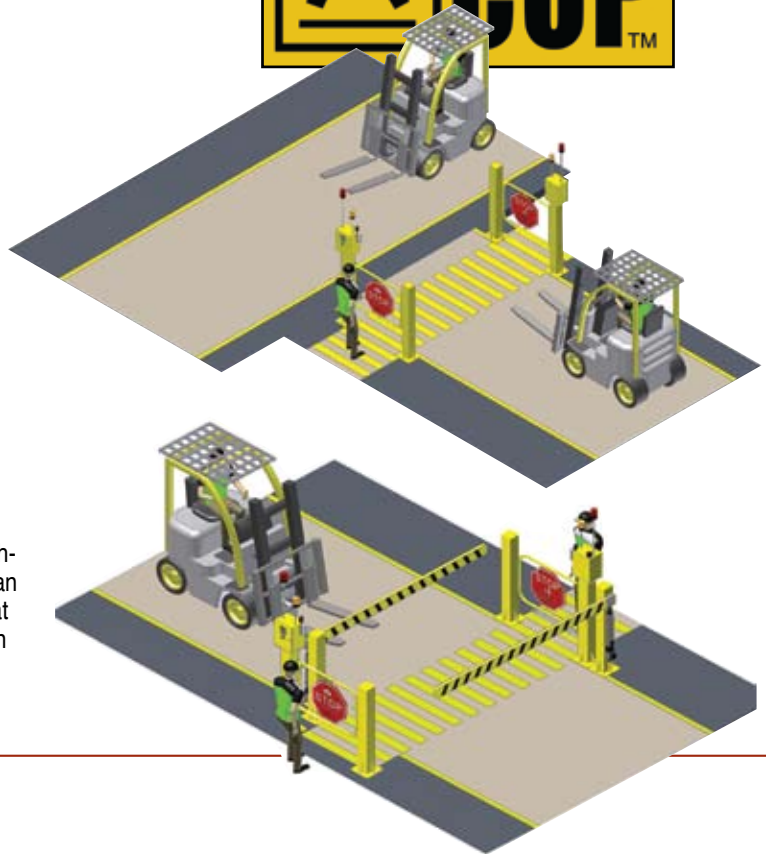
90% of forklifts are eventually involved in an accident, including lethal pedestrian collisions

The AisleCop™ Safety Gate System helps make intersections and forklift aisles safer by helping to regulate traffic at crossing points, reducing the chances of dangerous pedestrian accidents. The radar detection system is activated by a simple press-button. If forklifts are present, the gates stay locked; if the aisle is clear, the system flashes lights and audible alarms before allowing pedestrians to cross. Limited-vision intersections and high-traffic areas are ideal for AisleCop™ but any crossing point can benefit from this safety-enhancing system. Call us today for assistance with your safety gate project.



Types of safety gates:

- **Manual System - opens with a gentle push:** Pedestrian activates the system, which detects for forklifts, then unlocks the safety gate. Pedestrian can push the gate open for aisle entry. Includes heavy-duty hinged gates, pedestrian sensors, radar lift sensors, visual/audio notification.
- **Auto Gate System - automatically opens gates on both sides of the crossing aisle:** Pedestrian activates the system, which then unlocks the pedestrian gate and automatically opens the gate on both sides of the aisle. Gates close automatically once pedestrians clear the aisle. Includes PLC controls, heavy duty hinges, radar lift sensors, pedestrian sensor, heavy-duty automatic pedestrian gate, visual/audible notification, master alarm communication, and access adjustability.
- **Boom Arms (add to auto gates) -** To enhance protection, high-visibility boom arms are installed on either side of the pedestrian aisle. Synchronizes with automated gates. Tear-away arms that do not stop lift trucks, but help to warn them that the pedestrian crossing is open.
- All systems can be tied to emergency alarm systems



Options & Accessories

- **Battery Backup Systems:** Leaves gates open while electrical power is absent due to blackouts or other issues
- **Link to high-speed overhead doors:** Synchronize with high-speed overhead doors for ease of passage
- **Card reader integration:** Reads magnetic strip ID cards, controls unauthorized personnel
- **RFID Identification card reader:** Gates can work with RFID based identification cards
- **Card tracking integration:** RFID & magnetic strip cards can be integrated
- **Guard Rails:** Enforce utilization by pedestrians, in most any configuration necessary

How it works

(1) To cross the aisle, pedestrians press a palm switch. (2) Radar sensors search for fork trucks—static or moving. (3) If a forklift is detected near the gates, yellow lights flash and the gates remain closed until the fork lift aisle is clear and it's safe to cross - OR - If no forklift is detected, red lights flash, an audible alarm beeps and the gates open into the aisle on opposing sides, creating a visual barrier for forklift drivers and allowing pedestrians to cross the aisle. (4) Once the gates are open, a motion sensor detects the continual presence of pedestrians. Gates won't close until foot traffic is clear for a preset period of time (5) Once pedestrians are clear, gates automatically close and enter standby mode so forklifts can cross the aisle. (6) All systems can interface with alarm systems for emergency unrestricted egress. During fire alarms or other defined emergencies, gates can be set to automatically open and stay that way until reset.



Many customizations and additions are possible - contact us for help.

For assistance, visit www.cisco-eagle.com/aislecop, or call customer service today

Save up to 75% on lighting costs with energy-efficient systems

Maximize energy savings and focus light where you need it with Westinghouse High Bay T5HO Fluorescent Lighting Systems

Westinghouse High Bay fluorescent fixtures combine highly efficient T5 lamps and proprietary reflectors in a variety of beam spreads. This revolutionary lighting technology could save your company up to 75% on its energy bills while producing superior light quality – and the productivity boosts associated with better facility lighting. Occupancy sensors to our instant-on fluorescent fixtures in low traffic areas and boost your savings up to 90%.

How it works

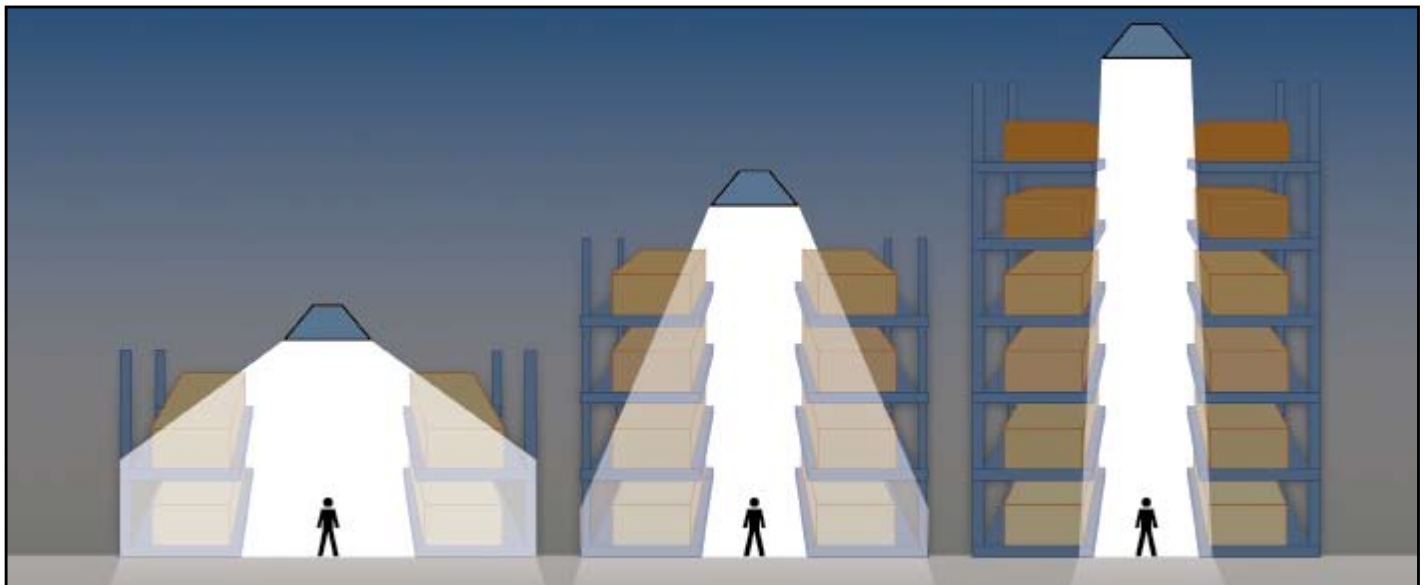
Traditional metal halide lamps are inefficient and provide minimum light at maximum expense. Westinghouse Lighting Solutions makes traditional lighting obsolete by maximizing foot candles (light on the work surface) and consuming half the energy. High Bay T5HO fluorescent lighting systems maintain up to 95% of their initial lumens over their rated life while metal halides lose one-third of their initial lumens in just 40% of their rated life. The combination of Westinghouse unique reflector designs and energy-saving Westinghouse T5 lamps increases lighting efficiency by providing both superior light and significant savings.



WESTINGHOUSE
LIGHTING
SOLUTIONS

Tax Incentives & deductions

Under the 2005 EPACT law, you can deduct the entire cost of a new lighting system, up to 60 cents a square foot if the system reduces lighting power density below the maximum allowable lighting power densities listed in ASHRAE/IES Standard 90.1-2001, and if a few other requirements are met. This typically results in a much lower cost of ownership and a very quick return on investment. This deduction can be pushed even higher – up to \$1.80/square foot – if other energy saving methods are utilized in the facility. Contact us for assistance.



Configurations for warehousing

- **Wide Beam:** Recommended for wide open areas in manufacturing, shop floors, commercial, and mass market retail facilities. Mounting heights: 18'-30'. All fixtures available in 4' and 8' lengths. Energy savings - Up to 78%. 1-for-1 replacement of 400 watt metal halide lamps.
- **Medium Beam:** Recommended for medium bay or low-racked, open-aisle industrial and retail lighting in warehouses, shop floors, distribution centers or staging areas. Mounting heights: 22' to 40'. Fixtures available in 4' and 8' lengths. Energy savings - Up to 78%. 1 for 1 replacement of 400 watt metal halide lamps.
- **Narrow Beam:** Recommended for tall stacked pallet rack aisles to achieve illumination in these narrow, sometimes darkened areas. Great for DC's, warehouses, and storage areas. Mounting heights: 27' and up. Fixtures available in 4' and 8' lengths. Energy savings - Up to 78%. 1-for-1 replacement of 400 watt metal halide lamps.

Transform any space into office space with in-plant offices & modular buildings

Resolve the need for extra space without new construction by adding offices within your warehouse or atop a mezzanine



When changes in your business create new demands for in-plant space utilization, modular inplant offices and enclosures give you unlimited flexibility to respond quickly and cost effectively.

PortaFab features the most extensive selection of interchangeable wall panels, stud choices, and accessories in the industry. This broad line allows us to more effectively design offices or enclosures to meet your specific requirements and budget. A modular building is a pre-engineered structure that is flexible enough to satisfy virtually any requirement... tougher than standard drywall construction, expandable, relocatable and completely re-usable.

Far more economical than new construction

One obvious advantage that modular construction has over conventional construction is cost. Not only can one save up to 35% on the initial construction costs like labor and materials, but there are other benefits as well.

- Pre-engineered: no need for an engineer or architect (or the hidden costs each may present)
- Ease of coordination: systems are manufactured to your exact specifications
- Fast installation, so operational disruptions are minimized
- No mess: offices seal off areas against dust & airborne debris for production and office areas
- No maintenance: pre-finished walls require little maintenance beyond the occasional surface cleaning
- Durable systems are built with reinforced cavity and tough, quality facings to reduce the chances of damage
- Adaptable systems are easily relocatable, expandable, and reconfigurable as your needs change
- Sound resistant panels provide a substantial noise reduction, and create a more productive working environment
- Accelerated depreciation: Depreciation is usually over seven years vs. 31-1/2 years for conventional construction



Booths & shelters provide flexible, affordable booths, guard houses, and more

Modular booths and shelters provide fast and affordable solutions for a wide range of applications. They are highly durable, all aluminum structures. PortaFab shelters are certified welded at all intersections to create a unitized framework with no rivets, bolts, or fasteners. With standard sizes from 3' x 4' to 8' x 16', there is a PortaFab booth for virtually every space need and budget. Booths have many features including welded aluminum construction, full 360° visibility, double-sliding tempered safety glass windows, electrical outlets and lighting, and heavy duty doors.

APPLICATIONS: Guard booths, gate houses, toll booths, equipment enclosures, smoking shelters, observation towers, parking booths, deployable structures, and more. Virtually any outdoor need can be served with these booths.



High density shelving & rack supported mezzanines concentrate save space, money

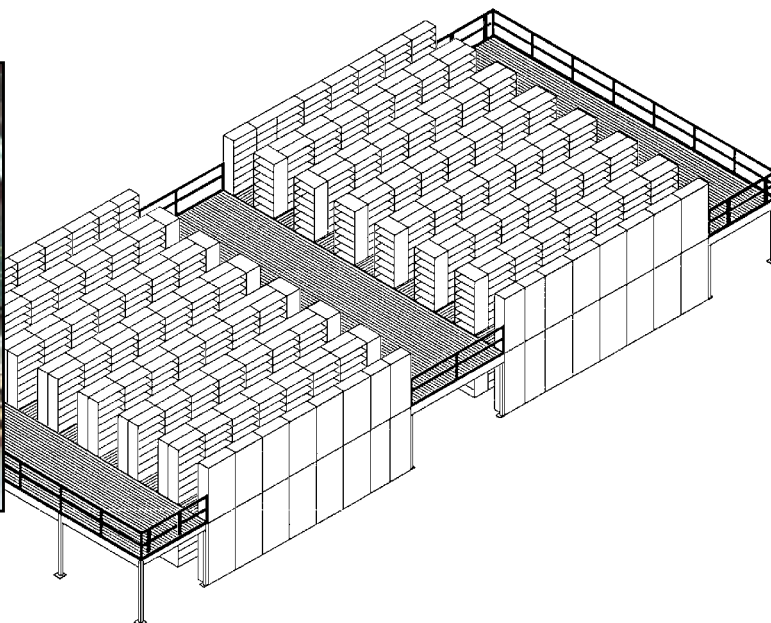
Shelving lends itself to the construction of two-level storage facilities for applications where maximum utilization of overhead space is required. Expanding in an upward direction instead of outward keeps your personnel in closer proximity to each other, and stored material, for more efficient operation. Using standard components for support, economical units may be constructed with an open "deck-over" upper level, or additional shelving.

- You virtually double the amount of storage space in a given floor area
- You utilize existing heat and air conditioning within the building
- Beams and grating supports lock into strong one-piece posts without hardware
- Channel-Lock Safety Grating installs easily for a rigid walking surface
- Construction is as uncomplicated as standard single level shelving
- The utility of a two-level installation has unlimited possibilities because shelves are adjustable and heights can be customized



Get your mezzanine project started...

- We can help you design and specify exactly the right mezzanine solution for your application. Contact your Cisco-Eagle representative for assistance.
- There are as many ways to lay out a shelf supported mezzanine as there are things to store on one, and we can help you make your way to an effective storage solution.



Configure your structural mezzanine to meet your exact application—let us guide you



Structural mezzanine combined with vertical lift provides easy movement of palletized loads between levels

Heavy duty construction for dependability

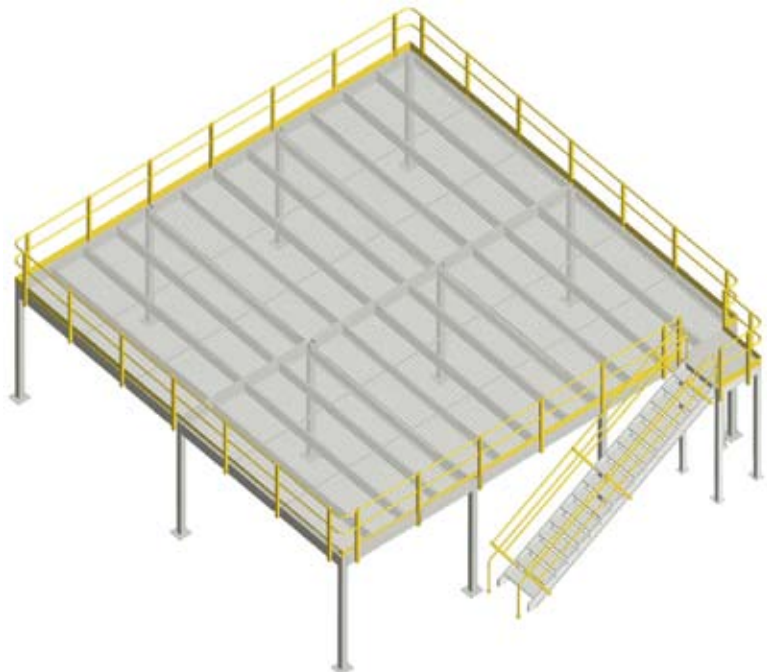
- High strength, zinc plated steel bolts combine with heavy duty steel angles to align the framing for uniform installation. These integrated components lock the connection into a solid unit for maximum strength
- The mezzanines listed are beam & beam style construction. They provide tremendous strength and load bearing capacity, with low composite heights available. Beam & beam mezzanines have virtually unlimited load capacities and span sizes. They also have short lead times. Other styles available.
- Heavy duty columns provide strength and loading capacity required for industrial and commercial applications
- Mezzanines meet specifications for structural steel construction set by the American Institute of Steel Construction (AISC). In addition, all materials conform to the standards set by the American Society of Testing Materials (ASTM). All systems meet specified national, state and local codes
- Smooth electrostatic paint application assures attractive and highly durable appearance

Applications

Applications for structural mezzanines include cat walks, clean rooms, conveyor support, equipment work cells, garment rails, order picking, employee spaces (locker rooms, break areas), in-plant offices, work cells, manufacturing, recycling areas, robotics platform, security enclosures, tool cribs, sortation platforms, management viewing areas, and much more

Mezzanine types include:

- Bolted C-Section
- Beam & C-Section
- Beam & Beam
- Beam & Bar Joist
- Truss Girder & Bar Joist



Utilize structural mezzanines to take advantage of vertical space in your facility

Height (Feet)	Width (Feet)	Length (Feet)	Square Feet	Roof Decking Model Number	Wt. (Lbs.)	Bar Grating Model Number	Wt. (Lbs.)
8'	11'	15'-11 1/4"	176	WDNS11-16-8RD	3,995	WDNS11-16-8BG	4,521
		31'-5 1/2"	346	WDNS11-32-8RD	6,114	WDNS11-32-8BG	7,153
		46'-11 3/4"	517	WDNS11-47-8RD	8,288	WDNS11-47-8BG	9,838
		62'-6"	687	WDNS11-63-8RD	10,458	WDNS11-63-8BG	12,520
	21'-7"	15'-11 1/4"	346	WDNS22-16-8RD	5,906	WDNS22-16-8BG	6,938
		31'-5 1/2"	678	WDNS22-32-8RD	9,545	WDNS22-32-8BG	11,582
		46'-11 3/4"	1,015	WDNS22-47-8RD	12,914	WDNS22-47-8BG	15,956
		62'-6"	1,350	WDNS22-63-8RD	16,276	WDNS22-63-8BG	20,323
	32'-2"	15'-11 1/4"	515	WDNS33-16-8RD	7,814	WDNS33-16-8BG	9,352
		31'-5 1/2"	1,011	WDNS33-32-8RD	13,013	WDNS33-32-8BG	16,049
		46'-11 3/4"	1,512	WDNS33-47-8RD	17,909	WDNS33-47-8BG	22,442
		62'-6"	2,011	WDNS33-63-8RD	22,798	WDNS33-63-8BG	28,830
	42'-9"	15'-11 1/4"	684	WDNS43-16-8RD	9,756	WDNS43-16-8BG	11,800
		31'-5 1/2"	1,343	WDNS43-32-8RD	16,480	WDNS43-32-8BG	20,514
		46'-11 3/4"	2,010	WDNS43-47-8RD	22,908	WDNS43-47-8BG	28,933
		62'-6"	2,672	WDNS43-63-8RD	29,320	WDNS43-63-8BG	37,336
9'	11'	15'-11 1/4"	176	WDNS11-16-9RD	4,094	WDNS11-16-9BG	4,620
		31'-5 1/2"	346	WDNS11-32-9RD	6,237	WDNS11-32-9BG	7,276
		46'-11 3/4"	517	WDNS11-47-9RD	8,435	WDNS11-47-9BG	9,985
		62'-6"	687	WDNS11-63-9RD	10,629	WDNS11-63-9BG	12,691
	21'-7"	15'-11 1/4"	346	WDNS22-16-9RD	6,029	WDNS22-16-9BG	7,061
		31'-5 1/2"	678	WDNS22-32-9RD	9,704	WDNS22-32-9BG	11,741
		46'-11 3/4"	1,015	WDNS22-47-9RD	13,109	WDNS22-47-9BG	16,151
		62'-6"	1,350	WDNS22-63-9RD	16,507	WDNS22-63-9BG	20,554
	32'-2"	15'-11 1/4"	515	WDNS33-16-9RD	7,961	WDNS33-16-9BG	9,499
		31'-5 1/2"	1,011	WDNS33-32-9RD	13,208	WDNS33-32-9BG	16,244
		46'-11 3/4"	1,512	WDNS33-47-9RD	18,152	WDNS33-47-9BG	22,685
		62'-6"	2,011	WDNS33-63-9RD	23,089	WDNS33-63-9BG	29,121
	42'-9"	15'-11 1/4"	684	WDNS43-16-9RD	9,927	WDNS43-16-9BG	11,971
		31'-5 1/2"	1,343	WDNS43-32-9RD	16,711	WDNS43-32-9BG	20,745
		46'-11 3/4"	2,010	WDNS43-47-9RD	23,199	WDNS43-47-9BG	29,224
		62'-6"	2,672	WDNS43-63-9RD	29,671	WDNS43-63-9BG	37,687
10'	11'	15'-11 1/4"	176	WDNS11-16-10RD	4,762	WDNS11-16-10BG	4,894
		31'-5 1/2"	346	WDNS11-32-10RD	7,268	WDNS11-32-10BG	7,636
		46'-11 3/4"	517	WDNS11-47-10RD	9,825	WDNS11-47-10BG	10,431
		62'-6"	687	WDNS11-63-10RD	12,379	WDNS11-63-10BG	13,223
	21'-7"	15'-11 1/4"	346	WDNS22-16-10RD	7,048	WDNS22-16-10BG	7,421
		31'-5 1/2"	678	WDNS22-32-10RD	11,329	WDNS22-32-10BG	12,230
		46'-11 3/4"	1,015	WDNS22-47-10RD	15,336	WDNS22-47-10BG	16,769
		62'-6"	1,350	WDNS22-63-10RD	19,336	WDNS22-63-10BG	21,301
	32'-2"	15'-11 1/4"	515	WDNS33-16-10RD	9,332	WDNS33-16-10BG	9,945
		31'-5 1/2"	1,011	WDNS33-32-10RD	15,423	WDNS33-32-10BG	16,862
		46'-11 3/4"	1,512	WDNS33-47-10RD	21,210	WDNS33-47-10BG	23,475
		62'-6"	2,011	WDNS33-63-10RD	26,989	WDNS33-63-10BG	30,083
	42'-9"	15'-11 1/4"	684	WDNS43-16-10RD	11,648	WDNS43-16-10BG	12,503
		31'-5 1/2"	1,343	WDNS43-32-10RD	19,515	WDNS43-32-10BG	21,492
		46'-11 3/4"	2,010	WDNS43-47-10RD	27,086	WDNS43-47-10BG	30,186
		62'-6"	2,672	WDNS43-63-10RD	33,533	WDNS43-63-10BG	38,864

Mezzanine decking options



Roof Decking

20 gauge painted steel roof deck topped with low-density, unfinished resin decking. This is an unfinished, lighter duty mezzanine floor panel superior to plywood and other alternatives at a

comparable price. The underside of the roof deck is painted white to allow for better light reflectivity under the structure. Other options include plywood, diamond plate, concrete, fiberglass or plastic gratings available for specialized applications. Contact us for assistance.

Bar Grating

Bar grating deck is 1" x 1/8" painted steel bar grating. Open design for ventilation and/or fire regulation. If assembly processes with small parts are present, this decking isn't recommended since parts could fall through. It shines in applications such as parts departments, where easy verbal communications between levels is needed.



Mezzanine notes

- 1) MANY OTHER SIZES, CONFIGURATIONS ARE AVAILABLE. You can specify shape, decking, seismic zone ratings, colors, and many other factors. This is only a small sample of what is possible.
- 2) Mezzanines include decking, handrail, stairway, and landing.
- 3) Standard mezzanines are not designed for point-loading. Contact us for assistance with heavy, point-load applications.
- 4) Guardrail is 2 1/2" x 2 1/2" square tubing uprights and 1 1/2" diameter horizontal tubing. Depending on building code regulations, mezzanines can have two or three rails.
- 5) Height dimensions refer to clearance below the structure. Heights at the top of platform are typically 1'2" taller.
- 6) Steps are 36" wide, 11" deep, and have a 7" rise.
- 7) Stairway landing is 42" x 42" and features a diamond-plate deck. Other sizes are available.
- 8) Mezzanine platform, stairs and landing are finished in gray. Railing is finished in safety yellow. Other colors are available—contact us for assistance.
- 9) All structural mezzanine purchases require approval drawings.

Installation

Factory installers can often erect the mezzanine without interrupting normal work schedules. Or it can be installed by your own personnel. To aid in installation, component parts are piece marked with cross references to an installation manual complete with drawings.

Code & Seismic Zone Compliance

Standard mezzanines meet the specifications for structural steel construction set by the American Institute of Steel Construction (AISC), IBC (International Building Code), and OSHA requirements. If your mezzanine requires UBC (Uniform Building Code) compliance, contact us. All construction materials conform to American Society of Testing Materials (ASTM) standards. Building permits may be required for installation of a mezzanine. Consult your local building authorities to be certain your mezzanine is classified and specified correctly.

SEISMIC ZONE MEZZANINES: Most mezzanine applications are specified non-seismic, outside of California. If you know you know you are in a seismic zone area that requires a seismic mezzanine, see below. We'll help you specify the correct seismic & building code.



Move pallets, skids, containers and more on and off your mezzanine safely and efficiently with an enclosed, overhead mezzanine safety gate

Make your mezzanine safer - when the exterior gate is open, the interior gate is closed

Occupies a small footprint and protects workers and material from falling off the mezzanine. Safety gate makes it impossible for workers to enter when it's open and pallets are being handled inside by pallet trucks or stackers.

- High strength construction
- Easy installation on virtually any mezzanine
- Can be installed into your existing guardrail structure
- New or currently installed mezzanines can be fitted with this safety gate
- Integral kickplate guards the material



Mezzanine gate notes

- 1) Shipping Weight: 550 lbs. (including hardware).
- 2) Installation footprint: 65" W x 65" D x 98" H.
- 3) Assembly hardware and instruction included.
- 4) Anchors Provided when gate is ordered with a Wildeck mezzanine.
- 5) Pallet/load clearance: 57-1/2" W x 60" D x 82" H
- 6) Painted safety yellow for high visibility.
- 7) Meets applicable IBC codes and OSHA safety standards.

Install crossovers to create elevated work areas, storage & observation points

Ideal for machinery repair, plant floors, inspection, cross-over's and other elevated applications, catwalks are engineered for maximum safety and reliability. Features rugged mezzanine frames, 42" high safety railings, 4" high kickplates. You can choose ship's stairs or stairways, mix & match to create exactly the space you need.

Sizes & Specs

- Platform heights: 6', 8' and 10'
- Walkway lengths 2' to 20' with 48" widths
- Stairways are 8'2" or 10'4" horizontal runs, 39" wide, 36" tread width
- Ship's stairs: 30' tread width, 35" overall. Horizontal runs of 35" & 41"

NOTES:

Add-on units are available. Stairways and ship's stairs must be ordered equal to or narrower than catwalk width. Vertical clearance varies based on walkway length. Installs easily with preconfigured modular components.



EQUIPTO

Prevent falls, enhance safety with wire mesh mezzanine handrails

Combines the strength of square handrail with the versatility of wire partition



This handrail is more protective than 3, 4, or even 5 rail configurations. The mesh acts as a barrier to prevent items from passing through to the ground below, and it's just as strong as conventional handrails.

Safety enhancement

Objects that can pass through multi-rail systems are restrained by MezzaRail®, protecting people from injury and property from damage. The system can be mounted to the face side or deck of any mezzanine. Hinge gates and Lift out gates are available for access to the protected area.

Model Number	Component Type	Dimensions	Wt. (Lbs.)
66001	Wire Panel Section	7'-10" W x 42" H	60
66002		5'-10" W x 42" H	46
66003		4'-10" W x 42" H	33
66004		10" W x 42" H	12
66005	Straight Post	2" sq. x 43" h	9
66006	Corner Post	2" sq. x 43" h	9
66007	Single Hinged Gate	3' W	49
66008		4' W	58
66009	Double Hinged Gate	6' W	95
66010		8' W	112

Easily and safely move loads between levels with vertical reciprocating conveyors

Excellent for mezzanines, multilevel buildings and more

A Vertical Reciprocating Conveyor (VRC) moves materials in factories, warehouses, industrial plants, institution—anywhere that products or supplies need to move from one level to another.

VRCs have their own national code and are specifically exempt from the national elevator code. VRCs provide fast, efficient, convenient and safe access to or from mezzanines, balconies, basements, and between levels in multiple story buildings. They can be installed for through-floor, interior or exterior applications. The principle components of a VRC include guide columns, carriage and a mechanical or hydraulic actuating mechanism.

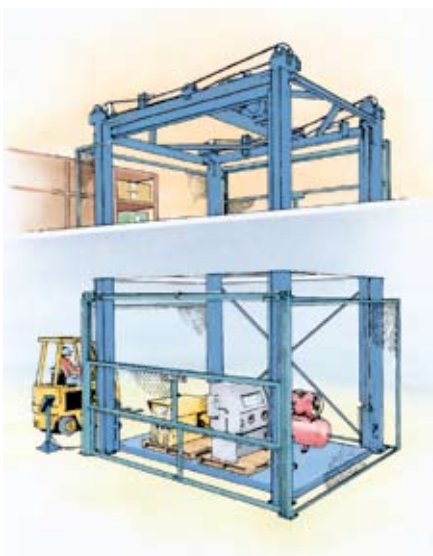


Pflow

ogy and proven reliability. These lifts are available with straddle or cantilever carriages.

Mechanical lifts

Mechanical vertical reciprocating conveyors offer versatility and dependability for high-speed and multi-level applications and for moving large, heavy loads. Mechanical VRCs offer durable, heavy-duty construction and maximum flexibility in carriage size, capacity and traffic patterns.



We offer the most complete line of VRCs from mechanical to hydraulic to fully automatic, customized systems for automated manufacturing and warehousing operations. VRCs are available in capacities from 10 lbs. to 100,000 lbs. with carriages from 30 x 30 in. to 30 x 30 ft., vertical heights from 4 ft. to over 200 ft. and travel speeds to 400 fpm. They meet or exceed ANSI and OSHA regulations.

Integrating VRC's and automated systems

The platform of a VRC may be equipped with a powered roller conveyor assembly, a gravity conveyor with a drop lock assembly, a chain transfer conveyor assembly, a turntable device and/or a pusher assembly and can interface with conveyor lines, single or multi-level rack system, or a transport. The controls can be so designed such that the carriage or carrier can receive the load automatically, deliver products to a pre-selected destination and then return to its original position automatically.

VRC Types

Hydraulic lifts

Hydraulic vertical conveyors provide reliable, economical vertical lifting for mezzanines, balconies and other two-level applications. Hydraulic VRC's offer heavy-duty construction with advanced safety technology and proven reliability.



Fully automated VRC systems

Fully Automated Systems provide an efficient, reliable way to transport materials in an automated manufacturing or warehousing operation. They are custom-fit to your application, ranging from simple two-level applications to sophisticated multi-level, multi-directional systems.

Fully automated systems, including VRC, horizontal conveyors, control and system startup, are completely designed, manufactured and installed by on-staff engineers and technicians. Pflow's experience in the industry, plus a commitment to quality and safety, ensures a convenient, reliable system, with service to match.

Custom designs

We have the engineering capabilities, experience and technical know-how to solve a myriad of vertical lifting problems. We have designed vertical lifts to move materials that weigh 10 lbs. to over 100,000 lbs...with carriages from 30"x 30" to 30'x 30'...vertical rise heights from 4' to over 200'. We've built large load working platforms, over and under equipment for assembly lines, hopper transfer systems, just to name a few. If you are faced with a difficult or unusual vertical lifting application, contact us. Whatever the size, speed and vertical height your application demands, we'll help you develop the best solution.



Use Air Balancers to handle tools, equipment, and work-in-process effortlessly & effectively

Ideal for tool balancing, fixture suspension, assembly workstations

Balancers are ergonomic lift assistance that interacts with the operator and multiplies his effort with "float" lifting and built-in safety. IR offers 5 models of pneumatic balancers that have a load capacity between 50 to 2,000 lbs. Cable travel in terms of up/down movement varies from 40" to 120" depending on the model. Balancer suspension kits can accommodate enclosed track, I-Beam, patented track, and hook mount.



Pneumatic balancer controls - 50 to 2,000 lbs. capacity

ZA control: For Lifting, hoisting, and positioning variable loads: The "ZA" pendant control is the most popular and is designed for high speed precision handling of variable weight loads. Up/down movement is accomplished through the use of an ergonomically designed pendant.

BA control: For Suspending and or positioning constant weight items such as portable tools, gun welders, tooling, and heavy fixtures: No pendant control and are used for either single load suspending applications at a given height or single load application where both hands are used to manually raise, lower and position, or "float" a load with virtually no part weight or resistance to the operator.

EA control: for lifting and positioning constant loads: The EA controls are used constant weight repetitive parts handling within a 40 lb. range that need operator handling of the parts similar to loading



a machine tool. The selector switch has three modes that the operator uses in sequence.

InteLIFT combines the productivity & ergonomics of pneumatic units with an electric control package: A blend of the industry's finest, thoroughly proven, mechanical balancing technology with the intelligence of precise, reliable electronic controls. Intelligent lifting systems, provides operators with a safe, ergonomically beneficial, and highly flexible solution.

Arm systems precisely, effortlessly position loads regardless of physical strength

Series 700C: 270-degree articulation Up to 500 lbs.

The 700C Arm is a "banjo" arm consisting of three connecting linkages which allows the boom/balancer combination to cover a large area. The arm can fold into itself and articulate 270 degrees to reach around columns, posts or other interference points. The 700C has a short stack-up, which is useful for low headroom applications because it minimizes interference with the operator.

Series 713: 360-degree articulation, up to 500 lbs.

The 713 arm is very useful in areas with limited space. It incorporates an over-under boom design with two linkages and two pivots. One pivot is between the mounting point and main boom and the other is between the two booms. Each pivot can rotate 360 degrees, which allows the operator full coverage of the work area, including directly under the carriage.

Series 720: 360-degree articulation, up to 150 lbs.

Ideal for lightweight parts that require the operator to work directly under the arm, the 720 arm incorporates an over-under boom design with two linkages and two pivots. One pivot is between the mounting point and main boom and the other is between the two booms. Each pivot can rotate 360 degrees, which allows the operator full coverage of the work area. The balancer is mounted at the end of the arm.



Series 600: Rigid vertical mast Up to 1000 lbs.

For loads that can not wobble, and adaptable to most overhead rail systems, the 600 series arm consists of a rigid vertical beam with a moving horizontal beam that is able to reach into an opening. The unit features 360 degree rotation and utilizes an air balancer for lifting and balancing power. The unit can be used with a variety of end effector combinations.

Series 400: Parallel link design Up to 800 lbs.

Utilizing an air cylinder and parallel link design, the 400 series arm is an alternative for reaching in, under and around obstacles. The 400 series parallel link arm is designed to maintain either end effector or tool orientation and allows the operator to effortlessly position a part or tool. The 400 series arms are typically carriage mounted and adaptable to most overhead rail systems.

Rail systems let your balancer glide easily and efficiently to position it for the task

The enclosed Rail Systems design reduces the accumulation of dirt and grime on the internal rolling surfaces, which reduces rolling effort. Combine rail systems with air balancers and end effectors to create an efficient handling system.

• **ALUMINUM:** Lightweight, for long spans. Extruded: From aluminum alloy 6063-T6. Clear Anodized: For a smooth, clean, corrosive-free surface. ZRAT: lengths up to 24'. ZRA1: lengths up to 30'. ZRA2: lengths up to 30'. Strongbacking: Available for increased capacities.

• **STEEL:** Economical choice for heavy weight applications. Roll formed, 9 ga., A569 hot-rolled steel. Spot welded, automated welder for maximum strength. Powder coated for durability and smoothness. ZRS2 & ZRS3: lengths up to 24' (7 meters). Strongbacking available for increased capacities.

• **STAINLESS STEEL** is engineered for cleanroom applications; ideal for the food and pharmaceutical industries. It's roll-formed from 10-gauge, 316L stainless steel and spot welded with automated welding systems for strength. ZRSS: Available in lengths up to 24'.

- Lightweight & ergonomic with less than 1% rolling resistance
- Modular and flexible: bolted together; no welding required
- Clean, maintenance-free operation; no lubrication required
- Designed to meet or exceed all national and international safety standards
- Safety cables are required



Jib cranes are ideal for short transfer applications

Light-duty cranes use precision aluminum or steel rail for the boom, resulting in a lightweight, easy to move boom. Can be mounted from ceiling, vertical column or are tie rod based on floor mounted support. Jib cranes can be ordered with either air or electric power supply packages. They are also available with portable pallet base mounts.

Jib crane types available

- 700J: 220° rotation, tie-rod based jib crane w/ column for floor or ceiling mounting
- 700JW: 220° rotation, tie-rod based crane; plate for mounting to walls, building columns, or any suitable surface
- 800J: 360° rotation, tie-rod based jib crane with column for floor mounting



End Effectors increase ergonomic handling, versatility

Standard balancer systems are provided with a hook, but for more specialized loads you may want to explore the world of ergonomic effectors that allow you to more easily handle almost any load. These devices use vacuum, clamp, probe, trap or hook connections to handle loads up to 1,000 lbs. Most Ingersoll Rand end effectors come equipped with a safety interlock system that will not allow the operator to accidentally disengage the part during transfer.

Effectors: Basic Types

- Vacuum Devices: 1 & 4-cup styles
- Signature Bundle Handlers
- Warehouse Handling Devices
- J-Hook Systems
- Rotary Action Handlers
- Clamp Devices



Bridge Crane Mounted

Floor mounted Jib Crane

GORBEL

Gorbel G-Force® Intelligent Lifting Devices

Lift up to 1,320 pounds with pinpoint precision & blazing speeds

G-Force® technology fills the void between traditional lifting devices and completely automated robotic solutions. These devices use the human's intelligence and adaptability for guidance — but the work is done by the device. Features 360° swivel assembly, LCD display, Operator-present function for safety, and ergonomic handle design for ease of use.

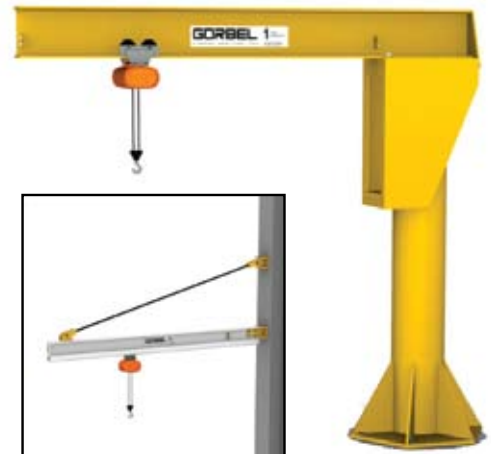
Intelligent Lifting Devices - bridge crane or lifting arm mounted

- **Choose bridge crane systems** for higher capacities (165, 330, & 660 lbs. configurations); faster speeds - up to 200 fpm; capacities; more responsive performance; faster acceleration and deceleration; the ability to cover multiple work areas with one unit, and the ability to cover larger single-unit work areas
- **Choose freestanding jib-arm mounted systems** for easy installation - it ships assembled & ready to be installed; no foundation required. Smaller work areas requiring 14' or shorter spans; capacities of 165 and 330 lbs.; easy relocation - it simply bolts to the floor
- **Choose Under-Hung systems** to save valuable floor space; for hook heights exceeding 11 feet; to cover multiple workcells
- Contact us for assistance with your lifting project today

Gorbel Jib Cranes: ergonomic lifting power

Jib cranes allow workers to lift and manipulate heavy loads at nearly any location in an operation. The following types of cranes are available:

- **Freestanding:** capacities to 10,000 pounds, circular coverage in spans up to 20', 360° rotation, and three mounting styles (1) Base plate, (2) sleeve, and (3) insert sleeve. Independent head assembly installs separately for ease of installation
- **Mast-Type:** Capacities to 10,000 lbs., circular coverage in spans up to 30', 200° rotation. Ideal for swinging around obstacles or under obstructions. The most economical means of hoist coverage for individual use in bays, along walls, or plant columns
- **Wall Cantilever:** 10,000-lbs. capacity with circular coverage in spans to 20' and 200° rotation. Requires structurally adequate wall or column. Welded or bracket connection depending on bracket centers. These jibs require little headroom - can be installed close to the underside of ceilings for maximum hoist lift
- **Wall Bracket:** 10,000-lbs. capacity with circular coverage in spans to 30' and 200° rotation. Ideal for swinging around obstacles or under obstructions. An economical means of providing hoist coverage for individual use in bays, along walls or columns of plants



GORBEL

Tarca® Crane Systems: pre-engineered for up to 2 tons, and 55' long



Gorbel's pre-engineered crane systems are built using patented Tarca® Track, a three-piece welded-construction, compound section of a mild steel top flange and web and a specially rolled high-carbon steel lower rail. Offers unmatched versatility, durability and ease of installation.

Components:

- Rail features specially-rolled high-carbon alloy with raised treads to provide maximum spanning capability for heavy loads while minimizing the weight of required materials
- Carriers/Trolleys connect lifting device and the bridge. Wheel base is proportioned for smooth, vibration-free carrier operation. Swiveling yoke provides excellent performance through curves & switches
- Motorized drives available in gear and belt-driven varieties. Equipped with anti-friction bearings for easy movement
- Hanger assemblies: ceiling or freestanding mount options to connect track and the structural support

Minimize unproductive bending and stretching with Vision Series Lifts

When using a lift table to accurately position a load, you can minimize unproductive lifting and stretching that can lead to worker fatigue, injuries, and product damage. Ships assembled and requires electrical installation. These electrohydraulic scissor lift tables are controlled by a standard hand control or optional foot pedal. Vision series lift tables are versatile and heavy-duty. Vision lifts offer unsurpassed safety features and are provided in a wide range of platform sizes.

Model Number	Vertical Travel	Cap. (Lbs.)	Platform Size (In.)	Heights (Inches)		Up Speed (sec.)	Wt. (Lbs.)
				Lowered	Raised		
VIS-25-36	36"	2,500	24" x 48"	7.06"	43.06"	10	590
VIS-35-36		3,500		7.44"	43.44"	11	625
VIS-50-36		5,000		7.50"	43.50"	20	735
VIS-65-36		6,500		7.50"	43.50"	22	750
VIS-25-24	24"	2,500	24" x 41"	7.06"	31.06"	7	445
VIS-35-24		3,500		7.13"	31.13"	8	455
VIS-50-24		5,000		7.13"	31.13"	13	640
VIS-65-24		6,500		7.13"	31.13"	15	655
VIS-15-48	48"	1,500	30" x 62.5"	7.38"	55.38"	11	885
VIS-25-48		2,500		7.38"	55.38"	12	895
VIS-35-48		3,500		7.50"	55.50"	21	1030
VIS-50-48		5,000		7.50"	55.50"	23	1050
VIS-65-48		6,500		7.75"	55.75"	27	1060



Optional turntable (above) top has formed edges with tight clearance to prevent hand injuries

Bishamon



Bishamon

Build & break down pallets with a minimum of bending, reaching, stretching or walking

Automatically raises, lowers pallets to comfortable working height - rotating top ring presents the correct side of the pallet to workers

EZ Loaders reduce worker fatigue, improve safety and minimize situations which can lead to back injuries or damage to sensitive products. Typical applications are in manufacturing, processing and distribution.

Model Number	Base Size	Dia. (In.)	Raised Ht. (Inches)	Lowered Ht. (Inches)	Travel (Inches)	Cap. (Lbs.)	Wt. (Lbs.)
EZ-30	50.5" x 30"	43"	30"	9.25"	20.75"	3,000	480
EZ-45				8.25"	21.75"	4,500	480

LoProfile™ lift tables provide lifting power from as low as 2.9" collapsed height

Hydraulic hose is 8' long, and the remote power unit with hand control is on an 8' cord,

Model Number	Table W x L (Inches)	Cap. (Lbs.)	Height (Inches)		Wt. (Lbs.)
			Min.	Max.	
LX-25S	23.5 x 32.5	550	2.9"	20.9	213
LX-25L	23.5 x 40			30.0	257
LX-50S	23.5 x 32.5	1100		20.9	228
LX-50L	23.5 x 40			30.0	277
LX-100W	34.5 x 51	2200	3.3"	38.6	606
LX-100N	24 x 51			38.6	490
LX-200WM	45.5 x 61.5	4400	4.3"	39.4	1110
LX-200N	33.5 x 55.5			39.4	860
LX-200WL	45.5 x 81			39.4	1238



NOTES:

- 1) Heavy-duty construction with captured scissor rollers for stability.
- 2) Available options: foot operated control with guard; approach ramp; pallet truck approach ramp.
- 3) High performance external electrohydraulic power unit with durable steel braided hydraulic hose.



Some applications require lifting power from a very low elevation. This extremely low collapsed height provides easy access for pallet jacks, 4-wheeled carts and other devices requiring low profile. Also an excellent choice for conveyor transfer. Electric full-perimeter toeguard around the platform provides optimum operator safety.



Increase Productivity, Reduce Injuries with The Mule Stacker

Ideal in areas where a traditional skid lift, forklift, or stacker can't be utilized - warehouses, offices - anyplace you need it for ergonomic lifting, positioning, & movement

The Mule lift is an all-in-one stacker, transporter and positioner and portable work bench. This ergonomic workforce multiplier can turn through tight corners that defy a conventional stacker or lift truck, giving you the ability to use it in many environments -- it can pass through a 28" door-frame. Easy to use with a minimum of training.

It lifts up to 350 pounds with an all-metal frame platform and a screw-driven lift that delivers smooth precision that hydraulics or chains can't match. Excellent for moving boxes or rolls, supplies, heavy components, and finished goods. Helps workers with repetitive lifting and heavy payloads, while moving heavy items through narrow aisles.

The Mule also raises and lowers material to and from assembly tables to serve as an ergonomic workbench. Includes the Mule Bag which easily attaches to the handle and is perfect for storing various tools and accessories. Pendent remote with a 72" tether that allows workers to operate the lift and lower functions of the platform without leaving their work station is standard.

Work in tight spaces with compact lifts

X-Series CompacLif tables are used in machine tool or other production line manufacturing activities requiring heavy-duty lifting and positioning within a confined area.



Emphasis is placed on ergonomics and the reduction of repetitive lifting activities.

Model Number	Lift Mechanism	Table Size	Scissor Type	Cap. (Lbs.)	Height		Travel (In.)
					Lowered	Raised	
X-20C	Manual foot pedal	19.5 x 25.5	Single	440	5.00	21.00	16.0
X-25C		19.5 x 32	Single	550	6.00	28.00	22.0
X-50C		20 x 40	Single	1100	6.00	31.50	25.5
X-75C		20 x 40	Single	1650	6.00	31.50	25.5
X-30SC		20 x 40	Double	660	9.25	54.25	45.0
X-25E	Electric/Hydraulic	19.5 x 32	Single	550	6.00	28.00	22.0
X-50E		20 x 40	Single	1100	6.00	31.50	25.5
X-75E		20 x 40	Single	1650	6.00	31.50	25.5
X-30SE		20 x 40	Double	660	9.25	54.25	45.0
X-50SE		18 x 25.5	Double	1100	8.25	33.75	25.5
X-25P	Air/Hydraulic	19.5 x 32	Single	550	6.00	28.00	22.0
X-50P		20 x 40	Single	1100	6.00	31.50	25.5
X-75P		20 x 40	Single	1650	6.00	31.50	25.5
X-30SP		20 x 40	Double	660	9.25	54.25	45.0
X-50SP		18 x 25.5	Double	1100	8.25	33.75	25.5

Position skids, minimize back strain and increase productivity with hydraulic skid lifts

Skid lifts are one of the easiest ways to move, load or unload skids, increasing safety, reducing injuries and reducing worker fatigue. Continuous-weld heavy steel frame and forks easily handle heavy duty loads, letting you focus on the task at hand. With a 29.5" vertical travel, they are a flexible, mobile way to ergonomically load & unload skids. If you have a forklift, they free it for other tasks. If you don't they're an excellent vehicle for transporting loaded skids.



Model Number	Cap. (Lbs.)	Fork Width	Fork Length (In.)	Fork Lowered Height	Fork Raised Height	Strokes to max Height	Wt. (Lbs.)
LV-10	1,000	20.5"	42.5"	3.3"	32.8"	50	300
LV-10W		27"				50	325
LV-100	2,200	20.5"				48	350
LV-100W		27"				48	375

Tilt wire baskets, totes, boxes & improve access with ergonomic mobile tilters

MTL Series Mobile Tilters are rugged, electrohydraulic AC or DC powered positioning devices. Tilt angle is infinitely adjustable from 0-88°. Use for positioning applications under the toughest working conditions.



Tilters are widely used in stamping operations, assemblies areas and other production facilities that utilize containers of loose components for work in progress.

Model Number	L x W x H (Inches)	Cap. (Lbs.)	Fork Width	Between Forks	Fork Spacing	Wt. (Lbs.)
MTL-20	31.56" x 61.30" x 39.50"	2,000	6"	13"	25"	550
MTL-40		4,000	7"	16"	30"	635

Dock lifts let you load & unload nearly any type of vehicle at nearly any kind of dock

Utilize dock lifts when you need to accommodate loading a variety of vehicles, at your loading dock—or when there is no loading dock. Dock lifts let you load any kind of truck at nearly any kind of dock. Use a dock lift when the dock is too high or too low. Avoid injuries and lost productivity due to hand loading.



Dock lift types

Pit mounted lifts offer the most sizes and options

Installed in a concrete pit in the ground or a pit in a raised concrete dock. Platform sizes from 6' x 8' to 8' x 12'. Capacity ranges: 5,000 lbs.; 8,000-10,000 lbs.; 12,000-20,000 lbs. A pit mounted dock lift must be placed on a concrete pad.

Surface mounted lifts

Each lift requires a level concrete pad to function. Surface mounted lifts range from 6' x 8' to 6' x 12' platform sizes, from 5,000 to 12,000 pounds capacity, with raised heights of 60". From hand truck to fork lift applications.

Portable dock lifts for cart loads and occasional pallet loads

Lifts have a built-in wheel chock that prevents carts from rolling off the platform. Wheeled dolly handle lets you move the lift wherever you need it. At the push of a button

its 2 horsepower motor raises you to truck level at a speedy 10 feet per minute.

Laminated Dock Bumpers absorb 80% of impact force for maximum protection

Standard Bumpers

Model Number	H x W (Inches)	Wt. (Lbs.)
4-1/2" Thick		
B4506-14	6" x 14"	18.0
B4506-24	6" x 24"	28.0
B4506-36	6" x 36"	42.0
B4510-12	10" x 12"	25.0
B4510-14	10" x 14"	26.0
B4510-18	10" x 18"	34.0
B4510-24	10" x 24"	45.0
B4510-36	10" x 36"	66.0
B4512-12	12" x 12"	31.0
B4512-14	12" x 14"	32.0
B4512-18	12" x 18"	41.0
B4512-24	12" x 24"	56.0
B4512-36	12" x 36"	82.0
B4520-11	20" x 11"	42.0
B4524-11	24" x 11"	51.0
B4536-11	36" x 11"	85.0
6" Thick		
B610-12	10" x 12"	29.0
B610-14	10" x 14"	33.0
B610-18	10" x 18"	43.0
B610-24	10" x 24"	58.0
B610-36	10" x 36"	84.0
B612-12	12" x 12"	34.0
B612-14	12" x 14"	41.0
B612-18	12" x 18"	51.0
B612-24	12" x 24"	69.0
B612-36	12" x 36"	105.0
B620-11	20" x 11"	52.0
B624-11	24" x 11"	63.0
B636-11	36" x 11"	100.0

Extra Length Bumpers

Model Number	H x W (Inches)	Wt. (Lbs.)
4 1/2" thick		
B4506-87-A	6" x 87"	98.0
B4506-99-A	6" x 99"	121.0
B4510-51-A	10" x 51"	101.0
B4510-63-A	10" x 63"	124.0
B4510-75-A	10" x 75"	147.0
B4510-87-A	10" x 87"	172.0
B4510-99-A	10" x 99"	193.0
B4510-111-A	10" x 111"	218.0
B4510-123-A	10" x 123"	238.0
B4512-51-A	12" x 51"	120.0
B4512-63-A	12" x 63"	148.0
B4512-75-A	12" x 75"	175.0
B4512-87-A	12" x 87"	202.0
B4512-99-A	12" x 99"	230.0
B4512-111-A	12" x 111"	258.0
B4512-123-A	12" x 123"	284.0
6" thick		
B610-51-A	10" x 51"	126.0
B610-63-A	10" x 63"	154.0
B610-75-A	10" x 75"	182.0
B610-87-A	10" x 87"	216.0
B610-99-A	10" x 99"	244.0
B610-111-A	10" x 111"	272.0
B610-123-A	10" x 123"	307.0
B612-51-A	12" x 51"	154.0
B612-63-A	12" x 63"	188.0
B612-75-A	12" x 75"	223.0
B612-87-A	12" x 87"	258.0
B612-99-A	12" x 99"	299.0
B612-111-A	12" x 111"	333.0
B612-123-A	12" x 123"	374.0

Extra Thick Bumpers

Model No.	H x W (in.)	Wt. (Lbs.)
9" Thick		
B910-14	10"x14"	63.0
B910-24	10"x24"	98.0
B910-36-A	10"x36"	152.0
B920-11	20"x11"	103.0



Eliminate expensive repairs to trucks and docks with laminated dock bumpers. They can be welded or bolted onto structure, so they're easy to install. Laminated bumpers are also good for fork lift and warehouse wall protection. Super strong: Pads are laminated between structural steel angles and secured with 3/4" steel tie rods.

Extra Thick & Extra Length Bumpers: when to use them

Use extra thick bumpers where canopied docks, overhangs, or a steep dock ramp causes interference with the top of the truck. Extra length models cover up to 123" wide areas when you need that dimension. Specification guides and comprehensive pricing available at www.cisco-eagle.com/docks.

Features

- Solid protection for all high traffic dock areas
- Immune to all weather conditions
- Maintenance free, 10-year pro-rata warranty
- Molded in one piece of rubber compounds



Manufactured w/
Recycled Tires

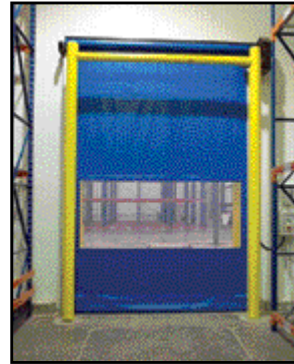
NOTES:

- 1) Hardware not included.
- 2) Other sizes, styles available.
- 3) Bumpers can be utilized in applications to protect walls from fork trucks
- 4) Bumpers can be welded or bolted onto structure.

A safer, more ergonomic, more productive shipping dock - we can help!

Dock gates prevent accidents at loading dock edges

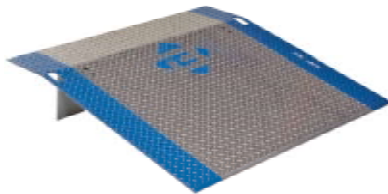
EdgeGuard Dock Gates provide an effective barrier for personnel working near open dock edges, truck loading pits or other hazardous areas. Held securely in place when closed and do not move. Meets the 200 lbs. OSHA 1910.23 load force protection requirement. Black safety striping on high-visibility safety yellow gate ensures visibility. Easily assembled and installed.



Dock door goal posts

Dock & high-speed doors are expensive and difficult to repair, but are frequently left unprotected despite the potential for forklift damage. Goal Post Dock Guards outline the entire door with steel, and help prevent damage that may occur from sharp turns or raised forks.

Aluminum Dock Plates bridge docks to trailers for hand power loads to 6,250 lbs.



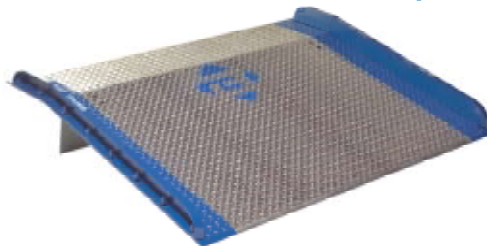
Great for pallet jacks, hand trucks, other manual trailer loading & unloading.

Beveled at both edges for safety and a smooth wheel transition. Diamond-pattern treadplate provides traction. Yellow safety side curbs & locking leg for stability. 11" lip standard. Leg lengths are 2-3" longer than maximum height difference.

Model Number	Cap. (Lbs.)	L x W (Inches)	Thickness	Wt. (Lbs.)
A3636	2,650	36"L x 36"W	3/8"	63
A4836	3,650	36"L x 48"W		79
A4848	2,750	48"L x 48"W		104
A4860	2,150	60"L x 48"W		128
B4836	6,250	36"L x 48"W	1/2"	102
B4848	4,750	48"L x 48"W		134

High-strength Alumi-Tuf Bluff Dock Boards for forklift loads up to 15,000 lbs.

Use aluminum dock boards with pallet trucks & forklifts. Equipped with full-length structural steel bolt-on curbs for increased strength and runoff prevention. Locking legs provide secure positioning. Lip bend is 11°. Standard lip length for conventional trailers is 11", option of 14" for refrigerated applications.

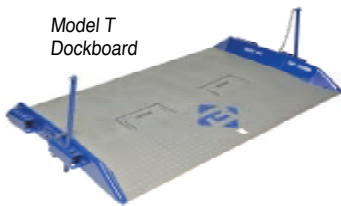


Model Number	Configuration	Cap. (Lbs.)	Wt. (Lbs.)
AC6036	60" w x 36" d	10,000	127
AC6048	60" w x 48" d		165
AC6060	60" w x 60" d		202
BC6048	60" w x 48" d	15,000	201
BC6060	60" w x 60" d		247
ACLC	Lifting Chains	n/a	10
EZ	EZ Roll Attachment		57

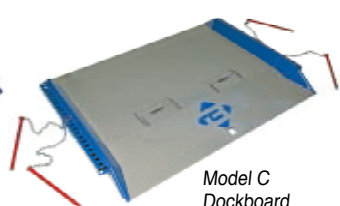
NOTES: (1) 11" lip standard; (2) Leg lengths: 2 - 3" longer than max. height difference; (3) 11° bend angle standard. (4) Usable width is overall less 3".

Steel Dockboards for heavy forklift loads, slippage protection, easy repositioning

Model T Dockboard



Model C Dockboard



Model SC Steel Dockboards

These economical dockboards with all-welded steel curbs, locking legs and lifting chains are designed for use with 3,000 pound forklifts. Capacities to 10,000 pounds.



Model T Dockboards

Held in firmly, safely place with 1" stress-proof steel pins placed in the side pocket location holes. Select the right pin hole location for conventional, refrigerated, container trailers, or below dock.

Model C Red Pin Steel Dockboards

Safe loading for conventional or park-out applications. Excellent for difficult trailer-to-dock positions. Full length side pockets with 2 locking pins/side for maximum slippage protection & easy repositioning.

Model Number	Type	W x D (Inches)	Cap. (Lbs.)	Wt. (Lbs.)
10SC6036	SC - for 3,000 lb. forklifts	60" w x 36" d	10,000	207
10SC6048	SC - for 3,000 lb. forklifts	60" w x 48" d		276
10SC6060	SC - for 3,000 lb. forklifts	60" w x 60" d		345
15T6048	T - Side pins, Lifting Loops	60" w x 48" d	15,000	430
15T6060	T - Side pins, Lifting Loops	60" w x 60" d		540
15T6072	T - Side pins, Lifting Loops	60" w x 72" d		625
15C7260	C - Dual Locking Pins	60" w x 48" d		690
15C7272	C - Dual Locking Pins	72" w x 72" d		805

Portable Yard Ramps let you to load & unload freight anywhere, anytime—sets up in minutes



Faster turnarounds in shipping and receiving saves you time and money

Simply move into position at trailers, railcars, or docks. The operator utilizes a self-contained, double-acting hydraulic pump to adjust the unit to the proper position. In minutes you are ready to load or unload freight. A single operator can easily move yard ramps anywhere necessary. Store them outside, saving valuable warehouse space.

Steel Yard Ramps include:

- 1) Safety chains to chain ramp to truck.
- 2) Double acting, internally mounted hydraulic pump to raise & lower ramp to proper height.
- 3) Bar grating deck with serrated edge for traction.
- 4) Heavy duty 18" solid rubber tires attached to the tubular steel bounder carriage assembly.
- 5) Includes your choice of tow bar or ramp clamp for moving ramp.
- 6) Tow Bar attaches to back of the forklift and is suited for moving longer distances
- 7) Ramp Clamp is a swiveling lift loop to insert the forks of the forklift.
- 8) Your choice of towing device (specified at the time of order).

Model Number	Cap. (Lbs.)	Length (Ft.)	Width (In.)	Wt. (Lbs.)
16 SYS 7030	16,000	30'	70"	4159
16 SYS 8430			84"	4964
16 SYS 7036L		36'	70"	5102
16 SYS 8436L			84"	5868
20 SYS 7030	20,000	30'	70"	4384
20 SYS 8430			84"	5189
20 SYS 7036L		36'	70"	5327
20 SYS 8436L			84"	6048
25 SYS 7030	25,000	30'	70"	4780
25 SYS 8430			84"	5605
25 SYS 7036L		36'	70"	5762
25 SYS 8436L			84"	6544
30 SYS 7030	30,000	30'	70"	5030
30 SYS 8430			84"	5905
30 SYS 7036L		36'	70"	6020
30 SYS 8436L			84"	6844

Many other sizes, configurations available. Contact us for ordering information and configuration assistance.

Pallet jacks for every application—retail, industrial, and warehousing



ABOVE: Standard pallet jack, with insets of ergonomic handle, fork rollers, and high quality wheel set.

RIGHT: Galvanized pallet jack for rugged use in freezer environments.

Standard: For general warehouse, store, or facility applications. Lift Rite model is a 27" x 48" pallet jack with 5,500 pounds capacity. It has a 3" down height and a 7" raised height. It comes with a 6-month manufacturer warranty, plus a 2-year hydraulic pump manufacturer warranty.

Low Profile 4-Way: Pallet stops lets the operator the handle 4-way-entry pallets with ease on all four sides, and prevents improper or unsafe pallet handling. Increases your trailer load density while restricting the fork entry on adjoining pallets. 2" lowered height (6-3/4" raised max), which allows more pallet handling options and easier access to some loads.

Heavy Duty: • **6,000 lb:** Manufactured with 1-1/4" square tubing full length of the fork; pushrods are made of heavy wall tubing. Equipped with a heavy-duty thrust bearing. Steel wheels and rollers. • **8,000 lb:** manufactured with channel forks and have as standard features, heavy-duty pump, heavy duty thrust bearing, solid pushrods and steel wheels and rollers. • **10,000 lb:** manufactured with channel forks and are reinforced with 3/8" flat bar full length of forks. Includes heavy-duty pump, heavy-duty thrust bearing, solid pushrods and steel wheels and rollers.

Freezer Application: Galvanized frame, stainless steel hardware and low temperature seals and fluids allow it to withstand the extreme temperatures of freezers Also, it's corrosion-resistant. Ergonomic handle reduces operator strain and has a 3-function hand control which are raise, neutral, and lower for smoother operation. Choose 48" x 27" or narrow 20.5" fork width.

Model Number	Type	L x W	Cap. (Lbs.)	Wt. (Lbs.)
LR0655-A48	Standard	48" x 27"	5,500	167
LCM4W-330048	Low Profile 4-Way	48" x 33"	5,000	205
LS60	Heavy Duty	48" x 27"	6,000	191
LS80	Heavy Duty	48" x 27"	8,000	305
LS100	Heavy Duty	48" x 27"	10,000	353
L55F-A48	Freezer App.	48" x 27"	5,500	210
L55F-B48	Freezer App.	48" x 20.5"	5,500	210

A full 4' x 4', platform for accurate, quick pallet weighing operations

Easy to load with forklifts, hand trucks, or pallet jacks - Digital Weight Indicators to meet your application

The summit 3000 floor scale comes with the 120 digital weight indicator that is made from plastic and is better suited for indoor warehouse use. Constructed with an all steel frame which also includes one horizontal and one vertical steel channel support for added stability. The RoughDeck floor scale comes with the stainless steel IQ-Plus 355 digital weight indicator as well as an additional vertical steel channel support making it better suited for any outdoor use.

Model Number	Type	Platform	Cap. (Lbs.)	Res.
RL-78772	Summit 3000	4' x 4' x 3-5/8"	5,000	1
RL-78773	Summit 3000	4' x 4' x 3-5/8"	10,000	2
RL-53425	RoughDeck	4' x 4' x 3-1/4"	5,000	1
RL-53422	RoughDeck	4' x 4' x 3-1/4"	10,000	2

RICE LAKE™
WEIGHING SYSTEMS

Resolution: the smallest increment of weight which the numeric display can indicate. Also referred to as display resolution



Counting Scales: indispensable tool when counting high volumes of identical parts



RICE LAKE™
WEIGHING SYSTEMS

Durable construction makes it reliable in almost any environment regardless of being frequently moved. Provides outstanding precision and accuracy with resolution of 1/500,000. Counting scales play a crucial role in counting high volumes of identical parts such as nuts, bolts, coins, or various other precious metal components. Unlike most scales this portable DC-782 series of counting scales can perform many additional functions of division and multiplication based on the internal resolution.

Model Number	Platform Size	Cap. (Lbs.)	Res.*	Wt. (Lbs.)
RL-108248	12" x 8.9"	6	0.001	11
RL-108249	12" x 8.9"	15	0.002	11
RL-108250	12" x 8.9"	30	0.005	11
RL-108251	12" x 8.9"	60	0.01	11

* Resolution: The smallest increment of weight which the numeric display can indicate. Also referred to as "display resolution"

Blend accuracy and mobility with Rice-Lake Deckhand portable floor scales

Relocate it anywhere in your facility, and be instantly ready to weigh without adjustment or calibration

The Rice Lake Weighing System DeckHand is designed to handle the toughest of jobs. The two large rubber wheels are positioned higher than the bottom of the platform, allowing the wheels to touch the floor only when the unit is tilted back for movement. The design gives you a completely flat and stable surface to use during weighing procedures. The platform is able to weigh perfectly on all corners, meaning that off center or uneven weight distribution won't affect the accuracy of the scale.

More features

- Great for drums, cartons, containers
- Mild or stainless steel wheeled frame, base, mast
- Treaded top plate
- 500, 1,000, & 2000 pound capacity models
- Standard indicator mount with integral handles
- Large rubber wheels simplify movement on uneven floors - it's easy to transport wherever you need it
- One-person portability
- RL1260 aluminum load cells (2)
- Contact us about optional loading ramps

Model Number	Power	Platform	Cap. (Lbs.)	Resolution	Wt. (Lbs.)
RL-69525	115 VAC	31" x 41"	500	0.2 lbs.	343
RL-69526			1,000	0.5 lbs.	363
RL-69527			2,000	1.0 lbs.	380
RL-69528	230 VAC		500	0.2 lbs.	343
RL-69529			1,000	0.5 lbs.	363
RL-69530			2,000	1.0 lbs.	380

RICE LAKE™
WEIGHING SYSTEMS



Safely reach product stored on racks or high shelves with rolling warehouse ladders

Ladders are as solid as stairs, but easy to move to move - they provide a stable working platform

Rolling warehouse ladders provide a stable, transportable platform for maintenance, order picking, and other functions. They're great for accessing pallet rack or ceiling mounted equipment in warehouses. Picking orders from rack is easy when standing on the platform of these highly stable ladders.

Step Width	Base Size (Inches)	Height (Inches)		No. of Steps	Model No. (Step Type)		Wt. (Lbs.)
		Platform	Overall		Grating	Perforated	
26"	28" x 24"	20"	50"	2	S2R2	P2R2	40
	28" x 31"	30"	60"	3	S3R2	P3R2	48
	30" x 36"	40"	70"	4	S4R2	P4R2	68
	30" x 43"	50"	80"	5	S5R2	P5R2	82
	32" x 50"	60"	90"	6	S6R2	P6R2	112
	32" x 57"	70"	100"	7	S7R2	P7R2	126
	32" x 62"	80"	110"	8	S8R2	P8R2	184
	32" x 68"	90"	120"	9	S9R2	P9R2	200
	32" x 78"	100"	130"	10	S10R2	P10R2	216
	32" x 81"	110"	140"	11	S11R2	P11R2	232
	32" x 88"	120"	150"	12	S12R2	P12R2	250
	40" x 96"	130"	172"	13	S13R2	P13R2	266
	40" x 103"	140"	182"	14	S14R2	P14R2	285
	40" x 109"	150"	192"	15	S15R2	P15R2	296
	40" x 116"	160"	202"	16	S16R2	P16R2	315
32"	32" x 78"	100"	130"	10	S10R3	P10R3	240
	32" x 81"	110"	140"	11	S11R3	P11R3	257
	32" x 88"	120"	150"	12	S12R3	P12R3	276
	40" x 96"	130"	172"	13	S13R3	P13R3	294
	40" x 103"	140"	182"	14	S14R3	P14R3	313
	40" x 109"	150"	192"	15	S15R3	P15R3	332
	40" x 116"	160"	202"	16	S16R3	P16R3	350



Saf-T-Lock System

The ladder automatically locks in place when someone steps on the first step: Positive Saf-T-Lock system with release secures the ladder when an you step on the first step, triggering the release bar. The caster carriage retracts, allowing metal reinforced rubber-tipped feet to grip the floor. When you're finished with the ladder, step on U-tube bar and it becomes mobile on easy-roll polyurethane wheels (either 2" or 4" depending on the model).

Tough construction

Built tough, built to last: 1" round tubular construction gives this ladder superior strength and long-lasting durability. Finish: Powder-coat gray; other options are available.

Step options & notes

- 1) GRATING STEP: This is the step to have when liquids, grease, or other possible slip-causing agents are present or your work area isn't entirely clean.
- 2) PERFORATED STEEL STEP: This step is ideal for normal warehouse use where liquids aren't present or risk of contaminants on the steps is minimal.
- 3) Ships crated and unassembled to prevent transport damage
- 4) Ladders have 60° slope angle for easy climbing.
- 5) 300-lb. load capacity. Meets or exceeds OSHA and ANSI standards.
- 6) All listed ladders feature a safety handrail.



Use fiberglass stepladders for rough & tumble warehousing, industrial, retail, and commercial applications

Type 1A heavy duty ladders hold 300 pounds capacity

Ladders feature inside spreader bases located inside the rails for protection during transit and storage. Reinforced, formed back braces are stronger than standard angle stock without adding weight. It comes standard with a molded top, featuring a recessed tool tray. Non-conductive material resists denting or bending. Includes tool holes and a built-in paint can hook. It's built for safety and stability, with double gusseted bottom step, which is comprised of two heavy formed steel gussets on each side provide greater strength than flat braces.



Model Number	Height (Feet)	Bottom width	Spread (Inches)	Wt. (Lbs.)
202204	4	19 1/4"	28 3/8"	17
202205	5	20 3/4"	34 3/8"	21
202206	6	22 1/4"	40 1/4"	23
202208	8	25 1/4"	52 1/4"	32
202210	10	28 1/4"	64 1/4"	41
202212	12	31 1/4"	76 1/4"	51

Additional features

- Double-wrapped structural PVC boot that supports the lower leg for durability and abrasion resistance
- Each step is attached to the legs with six steel rivets to ensure stability and durability
- Yellow safety finish
- Molded top with recessed tool tray

Handle tough, everyday loads with steel handtrucks

Model Number	Wheel Type	Handle Type	Height (Inches)	Wt. (Lbs.)
1040-01	Pneumatic	Double Grip	48"	32
1040-02	Semi-Pneumatic			36
5310-01	Pneumatic	Loop	54"	38
5310-02	Semi-Pneumatic			42

Steel hand trucks survive the day-to-day abuse of doing the most demanding jobs. Rugged and made to last, hand trucks are workhorses for your warehouse, retail store, or production floor. Large 8"x 14" nose plate. Robotic welded for greater consistency & durability. Green epoxy

powder coated for a longer lasting finish. Curved crossbars hold load in place. D-Lock axle flattened on one side so it cannot rotate and cause wear.

WHEELS: 10" Semi-Pneumatic wheel is a popular shock-absorbing, rupture proof hand truck wheel that requires no air pressure. 10" full pneumatic wheels offer excellent rollability, even over rough surfaces, grass, & gravel. Quiet, easy operation and terrific maneuverability, even on rough flooring, parking lots, etc.

HANDLES: Continuous loop handle lets you decide the best place for your hands on the truck. Push or pull style for excellent mobility with one or two hands. Loop permits easier "breaking" of the load and acts as leg when truck is placed horizontally for loading. Dual grip handle provides rubber grippers with preformed finger indentions for a firm load hold.



Super Slik™ raised runners to help slide load on and off with minimal effort

Use versatile, lightweight aluminum handtrucks for loads up to 600 pounds

Completely user friendly, heavy-duty, all aluminum, modular hand trucks. These lightweight handtrucks are easier to maneuver and have more balance and overall performance than steel handtrucks. Standard handtrucks: Excellent all purpose hand trucks for the warehouse, shop floor, retail store, back room, delivery truck, and other applications. Stairclimber handtrucks: Includes stair climbers for easier loads over curbs and stairs.

Handle Type	Frame W x H	Wheel Type	Cap. (Lbs.)	Standard Model No.	Wt. (Lbs.)	Stairclimber Model No.	Wt. (Lbs.)
D-Loop	17" x 52"	Mold-On	500	FBAL14-8ACRT	22	FBAL14-SC-8ACRT	25
	21" x 52"	Pneumatic	600	FBAL14-10FPN	25	FBAL14-SC-10FPN	28
	18" x 52"	Semi-Pneumatic	600	FBAL14-10PN	32	FBAL14-SC-10PN	35
	21" x 52"	Foam Filled	600	FBAL14-10FF	30	FBAL14-SC-10FF	33
Double Loop	17" x 51"	Mold-On	500	FBAL48-8ACRT	20	FBAL48-SC-8ACRT	23
	21" x 51"	Pneumatic	600	FBAL48-10FPN	23	FBAL48-SC-10FPN	26
	18" x 51"	Semi-Pneumatic	600	FBAL48-10PN	30	FBAL48-SC-10PN	33
	21" x 51"	Foam Filled	600	FBAL48-10FF	28	FBAL48-SC-10FF	31
Continuous Loop	17" x 50"	Mold-On	500	FBAL18-8ACRT	21	FBAL18-SC-8ACRT	24
	21" x 50"	Pneumatic	500	FBAL18-10FPN	24	FBAL18-SC-10FPN	27
	18" x 50"	Semi-Pneumatic	600	FBAL18-10PN	31	FBAL18-SC-10PN	34
	21" x 50"	Foam Filled	600	FBAL18-10FF	29	FBAL18-SC-10FF	32



High-capacity convertible handtrucks easily convert from a 2-wheel handtruck to a 4-wheel platform truck

You can easily and quickly transform your hand truck into a platform cart for real versatility. The truck features a high strength double locking cam mechanism that securely locks the pivoting handle. The frame and cross tubes are made of heavy-duty extruded aluminum. Swivel casters are 5 X 1 1/4 thermoplastic rubber with thread guards.

- 2-Wheel Handtruck Capacity as a hand truck: 600 pounds; 4-wheel platform capacity: 800 pounds.

Model Number	Hand Truck H x W (In.)	Platform Truck L x W x H	Wheel Type	Wheel Size	Wt. (Lbs.)
FBALCV-15-10FPN	52"H x 21"W	39" x 12" x 42"	Pneumatic	10" x 3.5"	38
FBALCV-15-10PN			Semi-Pneumatic	10" x 2.75"	45
FBALCV-15-10FF			Foam Filled	10" x 3.5"	43

Tough, versatile platform trucks for smooth, high-capacity transport

For most operations, the platform truck is a reliable workhorse that is useful nearly every day. They're great for stacking cartons prior to shipment or to receive, and good for order picking, ergonomics and a list of other tasks.



Model Number	Type	W x L (Inches)	Cap. (Lbs.)	Wt. (Lbs.)
RCP-4400-BLA	Light Duty	20.5" x 32.5"	250	23
RCP-4401-BLA		20-7/8" x 31-3/4"	400	26
RCP-4403-BLA	Heavy Duty	24" x 36"	500	51
RCP-4406-BLA			1,000	66
RCP-4433-BLA		24" x 48"	500	68
RCP-4436-BLA			1,000	77
RCP-4441-BLA			2,000	76
RCP-4461-BLA		30" x 60"	500	84
RCP-4466-BLA			1,000	94
RCP-4471-BLA			2,000	107

Duramold Platform Trucks

Sturdy single-crossbar handle design offers easy maneuvering and great load stability. Structural foam honeycomb deck construction won't rust, dent, chip, peel, or splinter.

Corrosion resistant aluminum platform trucks with capacities to 2,600 pounds

Heavy-duty, extra strong, corrosion resistant aluminum platform trucks have a clean, attractive appearance and are constructed for heavy-duty jobs. Applications include offices, stockrooms, warehouses, schools, laboratories, etc. The frame is constructed with high-strength, welded aluminum channel with a diamond pattern aluminum deck.

Model Number	Deck Dimensions (In.)		Cap. (Lbs.)	Wheel Size	Wheel Type	Wt. (Lbs.)
	W x L	Height				
AL95-2448-RT-H	24" x 48"	9.25"	1,400	5" x 2"	Rubber Mold-on	51
AL96-2448-RT-H		10.5"	1,640	6" x 2"		55
AL98-2448-RT-H		12.25"	2,000	8" x 2"		66
AL95-2448-PO-H		9.25"	2,600	5" x 2"	Polyurethane Mold-on	53
AL96-2448-PO-H		10.5"	2,600	6" x 2"		56
AL98-2448-PO-H		12.25"	2,600	8" x 2"		69
AL28-2448-FPN-H		13.5"	1,200	8" x 2.5"	Full Pneumatic	56
AL210-2448-FPN-H		15.5"	1,400	10" x 3.5"		63
AL25-2448-PRB-H		9.25"	2,600	5" x 2"	Polyurethane/Polyethylene	45
AL26-2448-PRB-H		10.5"	2,600	6" x 2"		47
AL28-2448-PRB-H		12.25"	2,600	8" x 2"		50
AL95-3060-RT-H	30" x 60"	9.25"	1,400	5" x 2"	Rubber Mold-on	59
AL96-3060-RT-H		10.5"	1,640	6" x 2"		63
AL98-3060-RT-H		12.25"	2,000	8" x 2"		74
AL95-3060-PO-H		9.25"	2,600	5" x 2"	Polyurethane Mold-on	61
AL96-3060-PO-H		10.5"	2,600	6" x 2"		64
AL98-3060-PO-H		12.25"	2,600	8" x 2"		77
AL28-3060-FPN-H		13.5"	1,200	8" x 2.5"	Full Pneumatic	64
AL210-3060-FPN-H		15.5"	1,400	10" x 3.5"		71
AL25-3060-PRB-H		9.25"	2,600	5" x 2"	Polyurethane/Polyethylene	53
AL26-3060-PRB-H		10.5"	2,600	6" x 2"		55
AL28-3060-PRB-H		12.25"	2,600	8" x 2"		58



- The frame is constructed with high strength welded extruded aluminum channel with heavy-duty diamond pattern aluminum deck
- Optional removable aluminum handles can be placed on both or either end of the platform truck
- Two swivel and two rigid casters with roller bearing wheels in 5", 6", 8" or 10" sizes

Double-tough steel deck platform trucks

Heavy-duty steel platform trucks are reinforced with steel cross-battens to evenly distribute loads of up to 2,000 pounds. Platform edges have been rounded to reduce damage to doorways, walls, nicks, and cuts. Platform is mounted on 2 rigid casters and 2 swivel casters with 6" x 2" wheels. Casters are securely bolted onto extra caster top plates which are then welded to the underside of the platform for high-strength applications.



Standard: 14-gauge steel and removable rack handle with front bumper guards.

Heavy-Duty: 12-gauge steel and removable rack handle can be installed on either side. An extra handle can be added to the front side of this truck.

Model Number	Type	Platform W x L (In.)	Cap. (Lbs.)	Wt. (Lbs.)
SD-26-2448-RT	Standard (14-gauge)	24" x 48"	1,600	93
SD-28-2448-RT			2,000	99
SD-26-3060-RT		36" x 60"	1,600	133
SD-28-3060-RT			2,000	139
ESD-96-2448-RTE	Heavy Duty (12-gauge)	24" x 48"	1,600	93
ESD-98-2448-RTE			2,000	99
ESD-96-3060-RT		36" x 60"	1,600	133
ESD-98-3060-RT			2,000	139

Model Number	Deck Size (Inches)	Handle Type	Wheel Type	Cap. (Lbs.)	Wt. (Lbs.)
41-2448-14	24 x 48"	Fixed Rack	5 x 2 Rubber	1,200	101
41-2448-11			5 x 2 Phenolic	1,500	101
51-2448-14		Removable	5 x 2 Rubber	1,200	101
51-2448-11			5 x 2 Phenolic	1,500	101
41-2754-14	27 x 54"	Fixed Rack	5 x 2 Rubber	1,200	114
41-2754-09			6 x 2 Rubber	1,640	114
41-2754-11			5 x 2 Phenolic	1,500	114
41-2754-10			6 x 2 Phenolic	2,000	114
51-2754-14		Removable	5 x 2 Rubber	1,200	114
51-2754-09			6 x 2 Rubber	1,640	114
51-2754-11			5 x 2 Phenolic	1,500	114
51-2754-10			6 x 2 Phenolic	2,000	114
41-3060-14	30 x 60"	Fixed Rack	5 x 2 Rubber	1,200	137
41-3060-09			6 x 2 Rubber	1,640	137
41-3060-04			8 x 2 Rubber	2,000	137
41-3060-11			5 x 2 Phenolic	1,500	137
41-3060-10			6 x 2 Phenolic	2,000	137
41-3060-17			8 x 2 Phenolic	2,500	137
51-3060-14		Removable	5 x 2 Rubber	1,200	137
51-3060-09			6 x 2 Rubber	1,640	137
51-3060-04			8 x 2 Rubber	2,000	137
51-3060-11			5 x 2 Phenolic	1,500	137
51-3060-10			6 x 2 Phenolic	2,000	137
51-3060-17			8 x 2 Phenolic	2,500	137

High-capacity double-tough wood platform trucks

Versatile platform trucks are constructed from 1" thick kiln-dried hardwood oak decks, built tough to handle your toughest tasks. They take the punishment of industrial, warehousing, or other high capacity applications, and deliver years of maintenance-free service. Pile the load on—these trucks can handle it with capacities up to 2,500 pounds.



- Rugged fixed handle is constructed from high-quality welded steel
- Removable handle is constructed from high-quality welded steel and allows you the flexibility to take it off for larger loads
- Casters are 5 x 2" rubber or 6 x 2" phenolic—2 swivel & 2 rigid. Swivel casters are mounted in the back for maneuverability

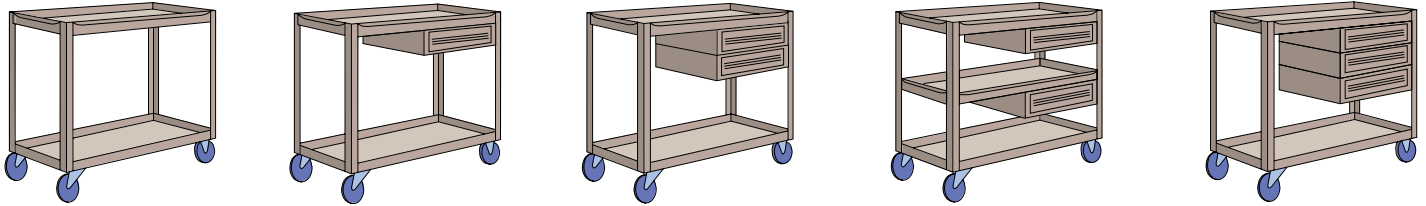
Portable Tables with 800 pounds capacity are an excellent mobile work surface

Constructed tough with 13-gauge steel shelves that have stiffeners installed underneath. Supplied with 4-ea. 5" rubber, ball-bearing swivel casters. Casters are mounted in quick-change casters brackets to make replacement a snap. Finish: Gray.



Model Number	Shelves	Depth (In.)	Length (In.)	Wt. (Lbs.)
HMT-183630-2-95	2	18	36	85
HMT-243630-2-95		24	36	93
HMT-244830-2-95		24	48	102
HMT-306030-2-95		30	60	133
HMT-183630-3-95	3	18	36	105
HMT-243630-3-95		24	36	114
HMT-244830-3-95		24	48	135
HMT-306030-3-95		30	60	178

Push versatile service carts around - they can take it - great for maintenance and more



Model Number	W x L x H (Inches)	Cart Configuration	Wt. (Lbs.)
33000-028	16" x 30" x 32"	Standard	51
33000-028-CT		Tray, 16" x 30" x 32"	69
33001-028	24" x 36" x 32"	Standard	69
33014-028		1 drawer, 15.75"	87
33015-028		2 drawers, 15.75"	105
33017-028		3 drawers, 15.75"	123
33018-028		1 drawer, 21.75"	94
33019-028		2 drawers, 21.75"	119
33021-028		3 drawers, 21.75"	144

Components

Model Number	Type	Size (Inches)	Wt. (Lbs.)
33010H-028	Center Tray	16" x 30"	18
33011H-028		24" x 36"	26
30962-028	Drawer	21.75" x 20" x 6.75"	25
30960-028		15.75" x 20" x 6.75"	20
33010H-028	Tray	16" x 30"	18



Efficient movement of materials, tools, mail or stocks through your facility

Equipped with two rigid and two swivel 5" casters for maneuverability. Multiple options for a number of applications include: 3" deep steel trays with smooth formed edges. The top tray can be turned upside down for a flush surface. The handle is secured at either end.

Accessories

Add center trays for extra storage. Case and drawers can be ordered with carts, to hang beneath the trays, per the table at right. The 36" deep carts accept 15-3/4" wide drawers mounted side by

side as well as vertically. Options can be purchased separately to create exactly the cart you need for your application.

Use inventory carts to economically transport bulk items on rock solid rivet shelving

Based on Penco single rivet shelving, inventory carts transport supplies, orders, merchandise, tools or files from point to point with ease. The cart is easy to assemble and additional shelves can be quickly added. Shelves can be



adjusted to fit a wide variety of load sizes, providing greater flexibility than traditional carts. Shelf height is adjustable on 1.5" centers. Shelves are easily removed, installed, and repositioned with no shelving clips or tools required.

NOTES:

- 1) Cart Capacity (evenly distributed): Maximum load per shelf 300 Lbs. Maximum cart capacity 1200 pounds.
- 2) 723 Light Putty baked enamel finish.
- 3) 5" polypropylene static casters and two 5" polypropylene swivel casters with wheel locks for safety.
- 4) Extra shelves can be added.



Model Number	Decking Type	No. of Shelves	W x D x H (Inches)	Wt. (Lbs.)
35080P	Melamine	3	36" x 24" x 48"	94
35083P		4	36" x 24" x 60"	117
35081P		3	48" x 24" x 48"	116
35084P		4	48" x 24" x 60"	145
35082P		3	60" x 24" x 48"	139
35085P		4	60" x 24" x 60"	181
35095P	No Decking	3	36" x 24" x 48"	49
35092P		4	36" x 24" x 60"	57
35096P		3	48" x 24" x 48"	56
35093P		4	48" x 24" x 60"	65
35097P		3	60" x 24" x 48"	64
35094P	Particle Board	4	60" x 24" x 60"	81
35076P		3	36" x 24" x 48"	94
35074P		4	36" x 24" x 60"	117
35077P		3	48" x 24" x 48"	116
35073P		4	48" x 24" x 60"	145
35078P		3	60" x 24" x 48"	139
35075P		4	60" x 24" x 60"	181

Decking Types: which do you need?

- **Particle Board:** 1-M-1 Grade Interior Decking: Functional and economical decks that have proven their worth in years of shelving applications
- **White Melamine Decking:** Smooth Laminated Surface makes an attractive finish - packages slide off deck easily and is easy to clean
- **Without decking:** You can save freight charges and install your own decking materials



Model Number	No. of Shelves	W x D x H (Inches)	Caster & Wheel	Cap. (Lbs.)	Wt. (Lbs.)
EU2-1824Z	2	24" x 18"	4" Resilient Rubber	500	32
EU2-1830Z		30" x 18"			35
EU2-1836Z		36" x 18"			38
EU2-2136Z		36" x 21"			42
EU2-2436Z		36" x 24"			45
U2-1836Z		36" x 18"	5" Resilient Rubber	800	38
U2-2136Z		36" x 21"			42
U2-2436Z		36" x 24"			46
U2-1842Z		42" x 18"			41
U2-2142Z		42" x 21"			44
U2-2442Z		42" x 24"			50
U2-2148Z		48" x 21"			48
U2-2448Z		48" x 24"			52
U2-2460Z		60" x 24"			62
EU3-1824Z	3	24" x 18"	4" Resilient Rubber	500	37
EU3-1830Z		30" x 18"			41
EU3-1836Z		36" x 18"			45
EU3-2136Z		36" x 21"	5" Resilient Rubber	500	48
EU3-2436Z		36" x 24"			58
U3-1836Z		36" x 18"		800	48
U3-2136Z		36" x 21"			53
U3-2436Z		36" x 24"			59
U3-1842Z		42" x 18"			52
U3-2142Z		42" x 21"			56
U3-2442Z		42" x 24"			65
U3-2148Z		48" x 21"			62
U3-2448Z		48" x 24"			68
U3-2460Z		60" x 24"			83

Maneuverable, easy-clean cart for office, retail, industrial, food service & more

A highly flexible and maneuverable transport cart

Open-wire construction promotes higher visibility by allowing light to pass through the shelves, permits greater air circulation reducing dust and contamination buildup, and increases the effectiveness of fire-suppression systems. The patented QuadTruss® design makes shelves up to 25% stronger. All units come with chrome handles.

- Carts are 40" tall at top of handle
- Chrome loop handles are easy to grip and facilitate maneuverability
- Casters are 4" or 5" for easy rollability
- Shelves adjust easily on 2" centers
- Solid shelf models are available - call us for assistance



Use security trucks to lock away packages or incoming shipments on the dock, in the warehouse, in warehousing, retail, or commercial applications



The Security Truck consolidates freight handling for better and faster pick-up and delivery service, complete security, distribution flexibility, and lower total labor costs. All-welded heavy angle frame construction with flattened, expanded metal mesh on all four sides and the top allows easy contents inspection while providing a lockable, yet mobile truck with plenty of capacity—up to 2,500 pounds. Front left door is hinged with full-length piano hinge. Front right panel lifts out. The truck can be padlocked, and

includes a blackboard for marking. It's supplied with 6" x 2" plastic roller bearing casters—two rigid & two swivel for easy maneuverability. Finish: Gray.

Model Number	Size (Inches)	Wt. (Lbs.)
HTL-2436-DD-95	24 x 36	320
HTL-2442-DD-95	24 x 42	325
HTL-2448-DD-95	24 x 48	330
HTL-2460-DD-95	24 x 60	340
HTL-3042-DD-95	30 x 42	345
HTL-3048-DD-95	30 x 48	350
HTL-3060-DD-95	30 x 60	355
HTL-3660-DD-95	36 x 60	365
HTL-3672-DD-95	36 x 72	370
HTL-4474-DD-95	44 x 74	390

40 Series casters: capacities to 800 lbs. Overall heights from 5-5/8" to 6-1/8"

Wheel Dia. x Wheel Width	Cap. (Lbs.)	Wheel	Rigid	Swivel	Wt. Lbs.
Overall Height 5-5/8" Swivel Lead: 1-1/2"					
4" x 1-1/2"	500	Cast Iron	40-CIR-0415-R	40-CIR-0415-S	5.8
	800	Forged Steel	40-FSR-0415-R	40-FSR-0415-S	6.5
	600	Phenolic	40-DUR-0415-R	40-DUR-0415-S	4.4
	375	Polyolefin	40-POR-0415-R	40-POR-0415-S	4.1
	250	Rubber on Iron	40-RIR-0415-R	40-RIR-0415-S	6
	220	Rubber On Plastic	40-RPR-0415-R	40-RPR-0415-S	4.8
	600	Urethane on Aluminum	40-UAR-0415-R	40-UAR-0415-S	4.4
	600	Urethane on Iron	40-UIR-0415-R	40-UIR-0415-S	6
	500	Urethane on Poly	40-UPR-0415-R	40-UPR-0415-S	4.8
	700	V-Groove Iron	40-VIR-0415-R	40-VIR-0415-S	6.8
Overall Height 6-1/8" Swivel Lead: 1-1/2"					
5" x 1-1/2"	600	Cast Iron	40-CIR-0515-R	40-CIR-0515-S	6.2
	600	Phenolic	40-DUR-0515-R	40-DUR-0515-S	4.4
	440	Polyolefin	40-POR-0515-R	40-POR-0515-S	3.9
	300	Rubber on Iron	40-RIR-0515-R	40-RIR-0515-S	4.9
	240	Rubber On Plastic	40-RPR-0515-R	40-RPR-0515-S	4.8
	720	Urethane on Aluminum	40-UAR-0515-R	40-UAR-0515-S	4.5
	720	Urethane on Iron	40-UIR-0515-R	40-UIR-0515-S	4.5
	700	Urethane on Poly	40-UPR-0515-R	40-UPR-0515-S	4.8



A rugged, economical industrial caster that goes great on carts and stands.

Features & Notes

Full double ball bearing swivel raceways; hardened swivel bearing raceways. Lube fittings for all wheel roller bearings. Kingpin diameter 5/8". Mounting plate and leg thickness 1/4". Bright zinc plated rigs. Lube fittings for swivel bearings. Axle diameter 1/2"

- Top Plate Size: 4 x 4-1/2
- Bolt Hole Spacing: 2-5/8 x 3-5/8, slotted to 3 x 3
- Mounting Bolt Diameter: 3/8
- For many applications, the 45 series may be a better alternative. It is typically higher capacity, more readily available, and less expensive than 40 series casters. Contact us for information on specifying the correct caster for your application.



RWM 27 Series Medium Duty Casters

27 Series casters provide solutions to a wide range of institutional and industrial applications. Available in multiple styles and sizes, top plates and stem choices. It has nine standard wheel combinations. It includes extra thick material in the top plate, yoke and raceways. It is heat treated for extended service life and comes standard with a metal dust shield.

Wheel diameter range: 3', 3.5", 4", 5". Widths: 1-1/4", 1-3/4".



TrioPines 50 & 52 Series for stock carts, bakery racks, foodservice equipment & more

50 Series: Built tough with a yoke assembly formed from heavily embossed steel. 1/2" king pin hydraulically upset to increase shock absorbing capacity. Casters are Zinc plated for longterm durability and attractive finish. Capacities to 250 lbs.

52 Series: Zinc plated finish and fully heat treated casters with smooth staking of king pin. Metal dust cover helps protect swivel raceway. Axle size : 3/8". Applications : Light-medium material handling equipment, mover's dollies, equipment cases. Capacities to 300 lbs.



Expanding Adapter Stem Casters

Stem casters are functional for a broad range of lighter to medium duty handling tasks. They are easy to install and replace when necessary. Built with heavy-gauge cold-rolled steel, formed for strength. Swivel models are equipped with a dust cap to protect the swivel raceway and improve performance. Bright zinc plating resists rust and corrosion. Swivel construction: double ball bearing with hardened raceways. Axle: 3/8" dia. bolt with lock nut. King pin: 1/2" steel rivet. Size range: From 3-1/2" to 6" wheel diameters, 1-1/4" to 1-1/2" tread widths.





Wheel Dia. x Wheel Width	Wheel Type	Cap. (Lbs.)	Rigid Model No.	Swivel Model No.	Wt. (Lbs.)
5-1/4" Overall height, 1-7/16" swivel lead					
3-1/4" x 2"	Durastan	400	45-DUR-3220-R	45-DUR-3220-S	6.7
	Urethane on Iron	400	45-UIR-3220-R	45-UIR-3220-S	5.0
5-5/8" Overall Height (Optional 4-1/4"), 1-3/8" Swivel Lead					
4" x 2"	Cast Iron	800	45-CIR-0420-R	45-CIR-0420-S	6.5
	Ductile Iron	1050	45-DIR-0420-R	45-DIR-0420-S	7
	Durastan	800	45-DUR-0420-R	45-DUR-0420-S	5.2
	Ergo GT	1050	45-GTB-0420-R	45-GTB-0420-S	5.2
	Polyolefin	500	45-POR-0420-R	45-POR-0420-S	4.8
	Rubber on Iron	250	45-RIR-0420-R	45-RIR-0420-S	7.5
	Rubber on Plastic	290	45-RPR-0420-R	45-RPR-0420-S	5.3
	Urethane Aluminum	700	45-UAR-0420-R	45-UAR-0420-S	5.0
	Urethane on Iron	700	45-UIR-0420-R	45-UIR-0420-S	6.6
	Urethane Plastic	600	45-UPR-0420-R	45-UPR-0420-S	5.3
	Urethane Solid	650	45-USR-0420-R	45-USR-0420-S	6.0
	V-Groove Iron	800	45-VIR-0420-R	45-VIR-0420-S	7.6
6-1/2" Overall Height, 1-17/32" Swivel Lead					
5" x 2"	Cast Iron	1000	45-CIR-0520-R	45-CIR-0520-S	7.8
	Ductile Iron	1200	45-DIR-0520-R	45-DIR-0520-S	8.1
	Durastan	900	45-DUR-0520-R	45-DUR-0520-S	5.4
	Ergo GT	1200	45-GTB-0520-R	45-GTB-0520-S	5.4
	Polyolefin	650	45-POR-0520-R	45-POR-0520-S	4.6
	Rubber on Iron	350	45-RIR-0520-R	45-RIR-0520-S	7.6
	Rubber on Plastic	350	45-RPR-0520-R	45-RPR-0520-S	5.3
	Urethane Aluminum	900	45-UAR-0520-R	45-UAR-0520-S	5.5
	Urethane on Iron	900	45-UIR-0520-R	45-UIR-0520-S	7.7
	Urethane Plastic	750	45-UPR-0520-R	45-UPR-0520-S	5.3
	Urethane Solid	750	45-USR-0520-R	45-USR-0520-S	6.1
	V-Groove Iron	900	45-VIR-0520-R	45-VIR-0520-S	9.9
7-1/2" Overall Height (Optional 7-1/4"), 1-3/4" Swivel Lead					
	Cast Iron	1200	45-CIR-0620-R	45-CIR-0620-S	9.1
	Ductile Iron	1200	45-DIR-0620-R	45-DIR-0620-S	10.0
	Durastan	900	45-DUR-0620-R	45-DUR-0620-S	6.3
	Ergo GT	1200	45-GTB-0620-R	45-GTB-0620-S	6.3
	Forged Steel	900	45-FSR-0620-R	45-FSR-0620-S	10.0
	Maxim	1200	45-MAR-0620-R	45-MAR-0620-S	6.3
	Omega	1000	45-UOB-0620-R	45-UOB-0620-S	8.8
	Polyolefin	700	45-POR-0620-R	45-POR-0620-S	5.0
	Rubber on Iron	410	45-RIR-0620-R	45-RIR-0620-S	7.8
	Rubber on Plastic	410	45-RPR-0620-R	45-RPR-0620-S	5.7
	Urethane Aluminum	900	45-UAR-0620-R	45-UAR-0620-S	6.1
	Urethane on Iron	900	45-UIR-0620-R	45-UIR-0620-S	8.8
	Urethane Plastic	900	45-UPR-0620-R	45-UPR-0620-S	5.7
	Urethane Solid	900	45-USR-0620-R	45-USR-0620-S	6.8
	V-Groove Iron	900	45-VIR-0620-R	45-VIR-0620-S	10.9
9-1/2" Overall Height, 2-13/16" Swivel Lead					
8" x 2"	Cast Iron	1200	45-CIR-0820-R	45-CIR-0820-S	13.3
	Ductile Iron	1200	45-DIR-0820-R	45-DIR-0820-S	13.3
	Durastan	900	45-DUR-0820-R	45-DUR-0820-S	7.7
	Ergo GT	1200	45-GTB-0820-R	45-GTB-0820-S	7.7
	Maxim	1200	45-MAR-0820-R	45-MAR-0820-S	8.0
	Omega	1200	45-UOB-0820-R	45-UOB-0820-S	12.1
	Polyolefin	800	45-POR-0820-R	45-POR-0820-S	5.8
	Rubber on Iron	500	45-RIR-0820-R	45-RIR-0820-S	10.1
	Rubber on Plastic	500	45-RPR-0820-R	45-RPR-0820-S	7.1
	Urethane Aluminum	900	45-UAR-0820-R	45-UAR-0820-S	7.3
	Urethane on Iron	900	45-UIR-0820-R	45-UIR-0820-S	12.1
	Urethane Plastic	900	45-UPR-0820-R	45-UPR-0820-S	7.7
	Urethane Solid	900	45-USR-0820-R	45-USR-0820-S	7.3
	V-Groove Iron	900	45-VIR-0820-R	45-VIR-0820-S	15.3

ABOVE: Some of the many wheel options available for 45 series casters. Wheels can combine with rigs to create exactly the right caster for your application

45 Series Casters

Capacities to 1200 lbs; Overall heights from 5-1/4" to 9-1/2"



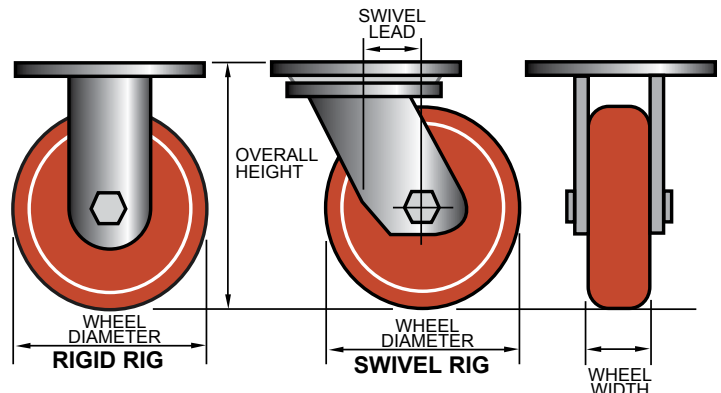
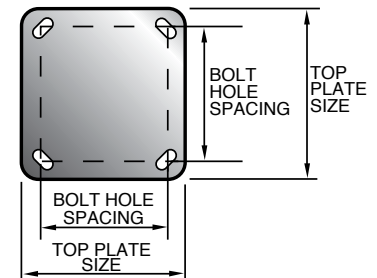
The 45 Series caster is the most-specified caster for industrial, heavy-duty applications. They're tough, versatile, long-lasting, and economical for everything from carts to machinery to bins to stands and other demanding applications.

Features & Notes:

- 1) All wheels fitted with smooth, durable roller bearings, except: (A) Ergo GT with precision ball bearings; and, (B) Omega wheels with annular ball bearings.
- 2) Full double ball bearing swivel raceways.
- 3) Hardened swivel bearing raceways.
- 4) Kingpin diameter 5/8".
- 5) Bright zinc plated rigs.
- 6) Mounting plate and leg thickness 1/4".
- 7) Axle diameter 1/2"
- 8) Lube fittings for swivel bearings & all wheel roller bearings
- 9) Optional wheel locks & swivel brakes available

Top Plate & Bolt Hole

- Top Plate Size: 4 X 4-1/2"
- Optional 5 x 5-1/2" top plates available
- Bolt Hole Spacing: 2-5/8 X 3-5/8, slotted to 3 x 3
- Mounting Bolt Diameter: 3/8



50 Series Casters: capacities to 1,400 lbs., overall heights to 9-1/2"

50 Series casters are versatile industrial casters designed for a variety of in-plant uses ranging from carts, bins, and heavy equipment to stands and machinery. Large top plate size (4-1/2" x 6") provides stability. Options include alternative bearings, swivel locks, thread guards, wheel breaks, seals, inside weld legs, sealed swivel raceways, and more.

Features & Notes:

- 1) All models fitted with roller bearings, except: (A) Ergo GT Wheels feature precision ball bearings, and; (B) Omega wheels with annular ball bearings.
- 2) Full double ball bearing swivel raceways
- 3) Hardened swivel bearing raceways
- 4) Kingpin diameter 3/4"
- 5) Mounting plate and leg thickness 1/4"
- 6) Lube fittings for swivel bearings



Top Plate & Bolt Hole

- Top Plate Size: 4-1/2 x 6-1/2
- Bolt Hole Spacing: 2-7/16 x 4-15/16, Slotted to 3-3/8 x 5-1/4
- Mounting Bolt Diameter: 1/2



50 Series standard wheel options

Left to right, top to bottom: Urethane on Aluminum, Polyolefin, Durastan/Phenolic, Rubber on Plastic, Ductile Iron, ErgoGT, Forged Steel, Rubber on Iron, Maxim, Cast Iron, Urethane Solid, Urethane on Plastic, Omega, V-Groove Iron, and Urethane on Iron.

Want to know more? See our wheels area for assistance on wheel specification.

Wheel Dia. x Width	Wheel Type	Cap. (Lbs.)	Rigid	Swivel	Wt. (Lbs.)
6-1/2" Overall Height, 1-15/16" Swivel Lead					
5" x 2"	Cast Iron	1000	50-CIR-0520-R	50-CIR-0520-S	9.6
	Ductile Iron	1200	50-DIR-0520-R	50-DIR-0520-S	10.6
	Durastan	900	50-DUR-0520-R	50-DUR-0520-S	6.9
	Ergo GT	1200	50-GTB-0520-R	50-GTB-0520-S	6.9
	Polyolefin	650	50-POR-0520-R	50-POR-0520-S	6.1
	Rubber on Iron	350	50-RIR-0520-R	50-RIR-0520-S	9.1
	Rubber on Plastic	350	50-RPR-0520-R	50-RPR-0520-S	7
	Urethane Aluminum	900	50-UAR-0520-R	50-UAR-0520-S	7
	Urethane on Iron	900	50-UIR-0520-R	50-UIR-0520-S	9.2
	Urethane Plastic	750	50-UPR-0520-R	50-UPR-0520-S	7
	Urethane Solid	750	50-USR-0520-R	50-USR-0520-S	7
	V-Groove Iron	900	50-VIR-0520-R	50-VIR-0520-S	9.5
7-1/2" Overall Height, 1-15/16" Swivel Lead					
6" x 2"	Cast Iron	1200	50-CIR-0620-R	50-CIR-0620-S	11.2
	Ductile Iron	1200	50-DIR-0620-R	50-DIR-0620-S	12.2
	Durastan	900	50-DUR-0620-R	50-DUR-0620-S	8
	Ergo GT	1200	50-GTB-0620-R	50-GTB-0620-S	8
	Forged Steel	1400	50-FSR-0620-R	50-FSR-0620-S	12.5
	Maxim	1200	50-MAR-0620-R	50-MAR-0620-S	8
	Omega	1000	50-UOB-0620-R	50-UOB-0620-S	9.2
	Polyolefin	700	50-POR-0620-R	50-POR-0620-S	8
	Rubber on Iron	410	50-RIR-0620-R	50-RIR-0620-S	9.5
	Rubber on Plastic	410	50-RPR-0620-R	50-RPR-0620-S	7
	Urethane Aluminum	900	50-UAR-0620-R	50-UAR-0620-S	7.8
	Urethane on Iron	900	50-UIR-0620-R	50-UIR-0620-S	10.5
	Urethane Plastic	900	50-UPR-0620-R	50-UPR-0620-S	7
	Urethane Solid	900	50-USR-0620-R	50-USR-0620-S	8
	V-Groove Iron	900	50-VIR-0620-R	50-VIR-0620-S	11.2
9-1/2" Overall Height, 2-7/16" Swivel Lead					
8" x 2"	Cast Iron	1200	50-CIR-0820-R	50-CIR-0820-S	15.3
	Ductile Iron	1200	50-DIR-0820-R	50-DIR-0820-S	16.3
	Durastan	900	50-DUR-0820-R	50-DUR-0820-S	9.7
	Ergo GT	1200	50-GTB-0820-R	50-GTB-0820-S	9.7
	Maxim	1200	50-MAR-0820-R	50-MAR-0820-S	7.7
	Omega	1200	50-UOB-0820-R	50-UOB-0820-S	13.3
	Polyolefin	800	50-POR-0820-R	50-POR-0820-S	7.7
	Rubber on Iron	500	50-RIR-0820-R	50-RIR-0820-S	12.2
	Rubber on Plastic	500	50-RPR-0820-R	50-RPR-0820-S	9
	Urethane Aluminum	900	50-UAR-0820-R	50-UAR-0820-S	9.3
	Urethane on Iron	900	50-UIR-0820-R	50-UIR-0820-S	14.1
	Urethane Plastic	900	50-UPR-0820-R	50-UPR-0820-S	9
	Urethane Solid	900	50-USR-0820-R	50-USR-0820-S	9.3
	V-Groove Iron	900	50-VIR-0820-R	50-VIR-0820-S	15

65 Series Heavy Duty Kingpinless Casters

Capacities to 1,800 lbs., Heights to 10-1/8" with 4.5" x 6" or 4" x 4.5" top plates

Kingpinless™ 65 Series casters are the durable workhorse for high-stress, high-capacity applications. Use them in take-a-beating industrial applications where strength and durability are critical. Typical applications include dollies, utility carts, tow line and platform trucks. Kingpinless design means longer life in the most stressful applications. 65 Series casters are offered in two top plate sizes to fit a variety of situations.



With 4" x 4.5" top plate



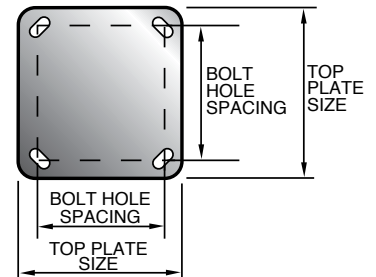
With 4.5" x 6.5" RT42 top plate

Wheel Dia. x Width	Wheel Type	Cap. (Lbs.)	4-1/2" x 6-1/2" Top Plate		4" x 4-1/2" Top Plate		Wt. (Lbs.)
			Rigid Model	Swivel Model	Rigid Model	Swivel Model	
Overall Height: 5-5/8" Swivel Lead 1-3/16"							
4" x 2"	Cast Iron	800	65-CIR-0420-R-RT42	65-CIR-0420-S-ST42	65-CIR-0420-R	65-CIR-0420-S	10
	Durastan	800	65-DUR-0420-R-RT42	65-DUR-0420-S-ST42	65-DUR-0420-R	65-DUR-0420-S	8
	Rubber on Iron	350	65-RIR-0420-R-RT42	65-RIR-0420-S-ST42	65-RIR-0420-R	65-RIR-0420-S	8
	Rubber on Plastic	290	65-RPR-0420-R-RT42	65-RPR-0420-S-ST42	65-RPR-0420-R	65-RPR-0420-S	7.3
	Urethane Aluminum	700	65-UAR-0420-R-RT42	65-UAR-0420-S-ST42	65-UAR-0420-R	65-UAR-0420-S	7.5
	Urethane on Iron	700	65-UIR-0420-R-RT42	65-UIR-0420-S-ST42	65-UIR-0420-R	65-UIR-0420-S	8
	Urethane Plastic	600	65-UPR-0420-R-RT42	65-UPR-0420-S-ST42	65-UPR-0420-R	65-UPR-0420-S	7.3
	V-Groove Iron	800	65-VIR-0420-R-RT42	65-VIR-0420-S-ST42	65-VIR-0420-R	65-VIR-0420-S	10
Overall Height: 6-1/2" Swivel Lead 1-11/32"							
5" x 2"	Cast Iron	1000	65-CIR-0520-R-RT42	65-CIR-0520-S-ST42	65-CIR-0520-R	65-CIR-0520-S	12
	Durastan	1000	65-DUR-0520-R-RT42	65-DUR-0520-S-ST42	65-DUR-0520-R	65-DUR-0520-S	9
	Forged Steel	1500	65-FSR-0520-R-RT42	65-FSR-0520-S-ST42	65-FSR-0520-R	65-FSR-0520-S	12
	Rubber on Iron	400	65-RIR-0520-R-RT42	65-RIR-0520-S-ST42	65-RIR-0520-R	65-RIR-0520-S	9
	Rubber on Plastic	350	65-RPR-0520-R-RT42	65-RPR-0520-S-ST42	65-RPR-0520-R	65-RPR-0520-S	7.3
	Urethane Aluminum	1000	65-UAR-0520-R-RT42	65-UAR-0520-S-ST42	65-UAR-0520-R	65-UAR-0520-S	8.5
	Urethane on Iron	1000	65-UIR-0520-R-RT42	65-UIR-0520-S-ST42	65-UIR-0520-R	65-UIR-0520-S	9
	Urethane Plastic	750	65-UPR-0520-R-RT42	65-UPR-0520-S-ST42	65-UPR-0520-R	65-UPR-0520-S	7.3
	V-Groove Iron	800	65-VIR-0520-R-RT42	65-VIR-0520-S-ST42	65-VIR-0520-R	65-VIR-0520-S	12
Overall Height: 7-1/2" Swivel Lead 1-9/16"							
6" x 2"	Cast Iron	1200	65-CIR-0620-R-RT42	65-CIR-0620-S-ST42	65-CIR-0620-R	65-CIR-0620-S	13
	Durastan	1200	65-DUR-0620-R-RT42	65-DUR-0620-S-ST42	65-DUR-0620-R	65-DUR-0620-S	10
	Forged Steel	1500	65-FSR-0620-R-RT42	65-FSR-0620-S-ST42	65-FSR-0620-R	65-FSR-0620-S	13
	Rubber on Iron	450	65-RIR-0620-R-RT42	65-RIR-0620-S-ST42	65-RIR-0620-R	65-RIR-0620-S	10
	Rubber on Plastic	410	65-RPR-0620-R-RT42	65-RPR-0620-S-ST42	65-RPR-0620-R	65-RPR-0620-S	7.7
	Urethane Aluminum	1200	65-UAR-0620-R-RT42	65-UAR-0620-S-ST42	65-UAR-0620-R	65-UAR-0620-S	11
	Urethane on Iron	1200	65-UIR-0620-R-RT42	65-UIR-0620-S-ST42	65-UIR-0620-R	65-UIR-0620-S	12
	Urethane Plastic	900	65-UPR-0620-R-RT42	65-UPR-0620-S-ST42	65-UPR-0620-R	65-UPR-0620-S	7.7
	V-Groove Iron	1000	65-VIR-0620-R-RT42	65-VIR-0620-S-ST42	65-VIR-0620-R	65-VIR-0620-S	13
Overall Height: 10-1/8" (optional 9-1/2") Swivel Lead 2-1/4"							
8" x 2"	Cast Iron	1400	65-CIR-0820-R-RT42	65-CIR-0820-S-ST42	65-CIR-0820-R	65-CIR-0820-S	16
	Durastan	1400	65-DUR-0820-R-RT42	65-DUR-0820-S-ST42	65-DUR-0820-R	65-DUR-0820-S	11
	Rubber on Iron	500	65-RIR-0820-R-RT42	65-RIR-0820-S-ST42	65-RIR-0820-R	65-RIR-0820-S	11
	Rubber on Plastic	500	65-RPR-0820-R-RT42	65-RPR-0820-S-ST42	65-RPR-0820-R	65-RPR-0820-S	8.1
	Urethane Aluminum	1400	65-UAR-0820-R-RT42	65-UAR-0820-S-ST42	65-UAR-0820-R	65-UAR-0820-S	12
	Urethane on Iron	1500	65-UIR-0820-R-RT42	65-UIR-0820-S-ST42	65-UIR-0820-R	65-UIR-0820-S	13
	Urethane Plastic	1000	65-UPR-0820-R-RT42	65-UPR-0820-S-ST42	65-UPR-0820-R	65-UPR-0820-S	9.1
	V-Groove Iron	1200	65-VIR-0820-R-RT42	65-VIR-0820-S-ST42	65-VIR-0820-R	65-VIR-0820-S	16

Notes & Features:

- 1) All casters feature roller bearings, except those noted: (A) Ergo GT Wheels feature precision ball bearings; (B) Omega wheels supplied with annular ball bearings.
- 2) Swivel casters have notched yokes for field installable swivel locks.
- 3) Patented Kingpinless single ball bearing precision machined raceway hardened to 50 Rockwell C.
- 4) Swivel section features a 2-3/8" dia. raceway with 3/8" bearings.
- 5) 1/4" thick leg formed and double welded (swivel).
- 6) 1/2" bolt and locking nut axle drilled w/ lube fitting.
- 7) Optional wheel brakes available

Top Plate & Bolt Hole



With Top Plate RT42:

- Top Plate Size: 4-1/2 x 6-1/2
- Bolt Hole Spacing: 2-7/16 x 4-15/16, slotted to 3-3/8 x 5-1/4
- Mounting Bolt Diameter: 1/2

With Standard Top Plate

- Top Plate Size: 4 x 4-1/2
- Bolt Hole Spacing: 2-5/8 x 3-5/8, slotted to 3 x 3
- Mounting bolt diameter: 3/8





75 & 76 Series Casters - Kingpinless heavy duty

Kingpinless 75 & 76 Series casters are recommended for the most demanding applications and are available in 2-1/2" and 3" wheel widths. These casters are available in capacities up to 6,000 pounds for heavy-duty loads. They use the RWM Kingpinless design for smooth swivel action and longer life. Swivel sections and axles are supplied with a lubrication fitting for field maintenance. Swivel locks and wheel brakes are available.



75 Series Specifications:

- 5/16" legs and top plate
- Top Plate Size: 4-1/2 x 6-1/2 x 5/16
- Bolt Hole Spacing: 2-7/16 x 4-15/16, Slotted to 3-3/8 x 5-1/4
- Mounting Bolt Diameter: 1/2



76 Series Specifications:

- 3/8" legs and top plate
- Top Plate Size: 5-1/4 x 7-1/4 x 3/8
- Bolt Hole Spacing: 3-3/8 x 5-1/4, Slotted to 4-1/8 x 6-1/8
- Mounting Bolt Diameter: 1/2

75 Series Casters: capacities up to 6,000 pounds

Wheel Dia. x Width	Wheel Type	Cap. (Lbs.)	Rigid Model Number	Swivel Model Number	Wt. (Lbs.)
Overall Height: 7-1/2" Swivel Lead: 1-3/8"					
6" x 2-1/2"	Durastan	1600	75-DUR-0625-R	75-DUR-0625-S	11.5
	V-Groove Ductile	3500	75-DVGR-0625-R	75-DVGR-0625-S	19.7
	V-Groove Iron	2500	75-VIR-0625-R	75-VIR-0625-S	16.5
6" x 3"	Cast Iron	2500	75-CIR-0630-R	75-CIR-0630-S	18.5
	Ductile Iron	6000	75-DIR-0630-R	75-DIR-0630-S	21.7
	Durastan	2000	75-DUR-0630-R	75-DUR-0630-S	12.5
	Rubber on Iron	680	75-RIR-0630-R	75-RIR-0630-S	17.5
	Urethane on Iron	2040	75-UIR-0630-R	75-UIR-0630-S	17.5
	V-Groove Ductile	5000	75-DVGR-0630-R	75-DVGR-0630-S	22.1
	V-Groove Iron	5000	75-VIR-0630-R	75-VIR-0630-S	22.1
Overall Height: 10-1/8" Swivel Lead: 2-1/16"					
8" x 2-1/2"	Durastan	2000	75-DUR-0825-R	75-DUR-0825-S	11.1
	Urethane on Iron	2010	75-UIR-0825-R	75-UIR-0825-S	14.6
	V-Groove Ductile	3500	75-DVGR-0825-R	75-DVGR-0825-S	26
	V-Groove Iron	3000	75-VIR-0825-R	75-VIR-0825-S	23.1
8" x 3"	Cast Iron	2500	75-CIR-0830-R	75-CIR-0830-S	26
	Ductile Iron	6000	75-DIR-0830-R	75-DIR-0830-S	26.8
	Durastan	2500	75-DUR-0830-R	75-DUR-0830-S	16.5
	Forged Steel	6000	75-FSR-0830-R	75-FSR-0830-S	26
	Omega	1600	75-UOT-0830-R	75-UOT-0830-S	19
	Rubber on Iron	840	75-RIR-0830-R	75-RIR-0830-S	19.5
	Urethane on Iron	2500	75-UIR-0830-R	75-UIR-0830-S	19.5
	V-Groove Ductile	5000	75-DVGR-0830-R	75-DVGR-0830-S	29.6
	V-Groove Iron	5000	75-VIR-0830-R	75-VIR-0830-S	26
	V-Groove Iron	5000	75-VIR-0830-R	75-VIR-0830-S	26
Overall Height: 11-1/2" Swivel Lead: 2-1/4"					
10" x 3"	Cast Iron	3000	75-CIR-1030-R	75-CIR-1030-S	19.1
	Ductile Iron	6000	75-DIR-1030-R	75-DIR-1030-S	26.8
	Durastan	2600	75-DUR-1030-R	75-DUR-1030-S	16.1
	Omega	2000	75-UOT-1030-R	75-UOT-1030-S	16.1
	Rubber on Iron	1000	75-RIR-1030-R	75-RIR-1030-S	18.6
	Urethane on Iron	3000	75-UIR-1030-R	75-UIR-1030-S	18.6
	Urethane on Iron	3000	75-UIT-1030-R	75-UIT-1030-S	18.6
Overall Height: 13-1/2" Swivel Lead: 2-11/16"					
12" x 3"	Cast Iron	2500	75-CIR-1230-R	75-CIR-1230-S	32
	Durastan	3500	75-DUR-1230-R	75-DUR-1230-S	22.5
	Rubber on Iron	1140	75-RIR-1230-R	75-SIR-1230-S	26.5
	Urethane on Iron	3400	75-UIR-1230-R	75-UIR-1230-S	26.5
	V-Groove Iron	6000	75-VIR-1230-R	75-VIR-1230-S	43

76 Series Casters: capacities up to 6,000 pounds

Wheel Dia. x Width	Wheel Type	Cap. (Lbs.)	Rigid Model No.	Swivel Model No.	Wt. (Lbs.)
Overall Height: 8" Swivel Lead: 2-7/32"					
6" x 2-1/2"	Durastan	1600	76-DUR-0625-R	76-DUR-0625-S	11.5
	V-Groove Ductile	3500	76-DVGR-0625-R	76-DVGR-0625-S	19.7
	V-Groove Iron	2500	76-VIR-0625-R	76-VIR-0625-S	16.5
6" x 3"	Cast Iron	2500	76-CIR-0630-R	76-CIR-0630-S	18.5
	Ductile Iron	6000	76-DIR-0630-R	76-DIR-0630-S	21.7
	Durastan	2000	76-DUR-0630-R	76-DUR-0630-S	12.5
	Rubber on Iron	680	76-RIR-0630-R	76-RIR-0630-S	17.5
	Urethane on Iron	2040	76-UIR-0630-R	76-UIR-0630-S	17.5
	V-Groove Ductile	5000	76-DVGR-0630-R	76-DVGR-0630-S	22.1
	V-Groove Iron	5000	76-VIR-0630-R	76-VIR-0630-S	22.1
Overall Height: 10-1/2" Swivel Lead: 2-29/32"					
8" x 2-1/2"	Durastan	2000	76-DUR-0825-R	76-DUR-0825-S	11.1
	Urethane on Iron	2010	76-UIR-0825-R	76-UIR-0825-S	14.6
	V-Groove Ductile	3500	76-DVGR-0825-R	76-DVGR-0825-S	26
	V-Groove Iron	3000	76-VIR-0825-R	76-VIR-0825-S	23.1
8" x 3"	Cast Iron	2500	76-CIR-0830-R	76-CIR-0830-S	26
	Ductile Iron	6000	76-DIR-0830-R	76-DIR-0830-S	26.8
	Durastan	2500	76-DUR-0830-R	76-DUR-0830-S	16.5
	Forged Steel	6000	76-FSR-0830-R	76-FSR-0830-S	26
	Omega	1600	76-UOT-0830-R	76-UOT-0830-S	19
	Rubber on Iron	840	76-RIR-0830-R	76-RIR-0830-S	19.5
	Urethane on Iron	2500	76-UIR-0830-R	76-UIR-0830-S	19.5
	V-Groove Ductile	5000	76-DVGR-0830-R	76-DVGR-0830-S	29.6
	V-Groove Iron	5000	76-VIR-0830-R	76-VIR-0830-S	26
	V-Groove Iron	5000	76-VIR-0830-R	76-VIR-0830-S	26
Overall Height: 12-1/2" Swivel Lead: 3-3/8"					
10" x 3"	Cast Iron	3000	76-CIR-1030-R	76-CIR-1030-S	19.1
	Ductile Iron	6000	76-DIR-1030-R	76-DIR-1030-S	26.8
	Durastan	2600	76-DUR-1030-R	76-DUR-1030-S	16.1
	Omega	2000	76-UOT-1030-R	76-UOT-1030-S	16.1
	Rubber on Iron	1000	76-RIR-1030-R	76-RIR-1030-S	18.6
	Urethane on Iron	3000	76-UIR-1030-R	76-UIR-1030-S	18.6
	Urethane on Iron	3000	76-UIT-1030-R	76-UIT-1030-S	18.6
Overall Height: 15-1/2" Swivel Lead: 4-15/16"					
12" x 3"	Cast Iron	2500	76-CIR-1230-R	76-CIR-1230-S	32
	Durastan	3500	76-DUR-1230-R	76-DUR-1230-S	22.5
	Rubber on Iron	1140	76-RIR-1230-R	76-SIR-1230-S	26.5
	Urethane on Iron	3400	76-UIR-1230-R	76-UIR-1230-S	26.5
	V-Groove Iron	6000	76-VIR-1230-R	76-VIR-1230-S	43

Extra heavy duty and specialty casters give you the flexibility to handle any load



85 Series Kingpinless casters: overall heights up to 15-1/2"

RWM's 85 Series caster features the patented Kingpinless design. The 85 Series offers capacities up to 10,000 pounds. Available with wheels from 6" to 12" in diameter, 3" to 5" wide.

Top Plate Size: 6 x 7
Bolt Hole Spacing:
4-5/8 x 5-1/2, Slotted to 4-3/8 x 5-5/8
Mounting Bolt Diameter: 1/2



95 Series Kingpinless casters: overall heights to 19"

RWM's 95 Series features the patented Kingpinless™ design. The 95 Series offers a capacity up to 20,000 pounds with a wide variety of heavy duty wheels to maximize capacity. Available with wheels from 6" to 16" in diameter, 2-1/2" to 5" wide.

Top Plate Size: 6-1/4" x 7-1/2"
Bolt Hole Spacing:
4-1/2 x 6, Slotted to 4-1/8 x 6-1/8
Mounting Bolt Diameter: 1/2



125 Series casters: overall heights up to 23"

RWM's 125 Series features the patented Kingpinless design. The 125 Series offers capacity up to 40,000 pounds. Typical applications include ground support equipment, die carts, and aircraft engine stands. Leg thickness of 1/2" adds extra strength and durability. Available with wheels from 8" to 20" in diameter, 4" to 6" wide.

Top Plate Size: 8-1/2 x 8-1/2 x 1/2
Bolt Hole Spacing: 7 x 7
Mounting Bolt Diameter: 5/8



Dual wheel casters

Dual wheel caster applications are utilized when higher capacities and a lower height are needed. They provide easier maneuvering of heavy duty loads. Available in all top plate sizes for all series of casters, in a wide variety of wheel sizes.



Shock Absorbing Casters dampen shocks and vibration from rough surfaces

Shock absorbing casters are great for moving and maneuvering heavy loads, delicate instruments, jet engines, components, and other loads throughout a plant, warehouse or jobsite. They reduce stress on wheels and rigs due to shock from rough surfaces. They reduce noise and equalize the load over uneven terrain across four or more casters. This reduces overload and twisting on the carts or frames. RWM casters VMS (Vertical mounting spring), OMS (outside mounting spring) and IMS (inside mounting springs) available.

Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Bearing Type	Axle Dia.	Hub Length	Wt. (Lbs.)
3-1/2-213G	3-1/2"	1-1/4"	200	Ball	3/8"	1-1/2"	0.5
3-1/2-213P			250	Ball			0.5
4-213G	4"		225	Ball			0.8
4-213P			275	Ball			0.8
UPR-0415-08		2	500	Roller	1/2"	1-7/8"	1.2
UPR-0420-08			600	Roller	2-15/32"	1	
5-213G	5"	1-1/4"	250	Ball	3/8"	1-1/2"	1
5-213P			250	Ball			1
UPR-0515-08		2"	700	Roller	1/2"	1-7/8"	1.4
UPR-0520-08			750	Roller		2-15/32"	1.7
UPR-0620-08	6"		900	Roller		2-15/32"	3.2
UPR-0820-08	8"	2"	1000	Roller			4.1

Urethane on Poly wheels

Great for rough surfaces, wet applications

These wheels utilize polyurethane mechanically bonded to a high-density polypropylene core to eliminate bond separation due to wet conditions. Excellent for caustic surface applications. Tread material is 95 Durometer Shore A and provides excellent rollability with a non-marking compound. It provides a smooth ride over rough surfaces. Temperature range: -40° to 175° F.



Urethane Solid wheels for high moisture applications

Urethane Solid Wheels are designed primarily for applications involving high moisture. Injection-molded urethane, the urethane solid wheel provides extended service in moisture applications that normally destroy conventionally bonded wheels. The standard Durometer of urethane solid wheels is 75 on the Shore D scale. Temperature range: -30° to 190° F.

Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)
USR-0420-08	4"	2"	700	1/2"	2-15/32"	1.6
USR-0520-08	5"		1000			1.7
USR-0620-08	6"		1200			1.8
USR-0820-08	8"		1500			2.2

Urethane on Aluminum wheels for resistance to abrasion, oils, & chemicals

Urethane on Aluminum wheels roll easier, and last longer than rubber wheels and have capacities approaching that of steel wheels. They are crowned slightly, to reduce the energy needed to turn under a heavy load. Nonmarking wheels have outstanding abrasion, oil & chemical resistance, and good floor protection. Temp. range: -40° to 80° F.



Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)
UAR-0415-08	4"	1-1/2"	600	1/2"	1-7/8"	1.2
UAR-0420-08		2"	700		2-15/32"	1.6
UAR-0515-08	5"	1-1/2"	720		1-7/8"	1.6
UAR-0520-08		2"	1050		2-15/32"	2
UAR-0620-08	6"		1230			2.4
UAR-0820-08	8"		1500			3.4



Shock-absorbing Omega Wheels can eliminate the need for spring casters

Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Bearing	Axle Dia.	Hub Length	Wt. (Lbs.)
UOB-0620-08	6"	2"	1000	Annular Ball	1/2"	2-7/16"	2.8
UOB-0820-08	8"		1200				12
UOT-0830-12	8"	3"	1600	Tapered	3/4"	3-1/4"	17.7
UOT-1030-12	10"		2000				22.5

through a patented web/spoke design. When the wheel encounters an object, it flexes, cushioning the load. Then it rebounds to its original shape. The design is optimized to carry high loads and high speeds—it retains its bond even if towed at high speed. The Omega tread resists tearing and chunking; it won't pick up metal chips. It reduces noise more than standard polyurethane wheels. Temperature range: -40° to +180° F.

The Omega wheel is a patented non-pneumatic wheel developed for heavy-duty caster applications. It achieves its high load-bearing capability and enhanced impact-absorbing ability

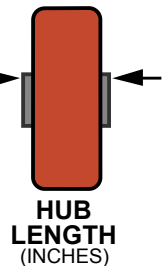
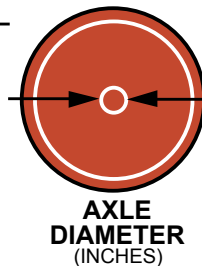
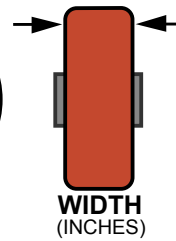
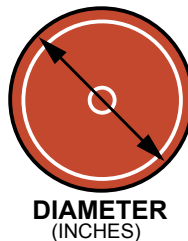


Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)
UIR-3220-08	3-1/4"	2"	420	1/2	2-15/32	1.2
UIR-0415-08	4"	1-1/2"	600	1/2	1-7/8	2.6
UIR-0420-08		2"	700	1/2	2-15/32	3.2
UIR-0515-08	5"	1-1/2"	720	1/2	1-7/8	3.7
UIR-0520-08		2"	1050	1/2	2-15/32	4.2
UIR-0615-08	6"	1-1/2"	840	1/2	1-7/8	4.5
UIR-0620-08		2"	1230	1/2	2-15/32	5.1
UIR-0625-16YY		2-1/2"	1620	1	2-3/4	10.2
UIR-0625-16			1620	1	3-1/4	12.5
UIR-0630-12		3"	2000	3/4	3-9/16	13.7
UIR-0630-16			2000	1	3-1/4	13.7
UIR-0820-08	8"	2"	1500	1/2	2-15/32	8.2
UIR-0825-16YY		2-1/2"	1800	1	2-3/4	11
UIR-0825-12			2000	3/4	3-9/16	15
UIR-0825-16			2000	1	3-1/4	15
UIR-0830-12		3"	2500	3/4	3-9/16	17
UIR-0830-16			2500	1	3-1/4	17
UIR-0840-20		4"	3500	1-1/4	4-1/4	24
UIR-1025-16YY	10"	2-1/2"	2370	1	2-3/4	17.3
UIR-1025-16			2370	1	3-1/4	19
UIR-1030-12		3"	3000	3/4	3-9/16	20.8
UIR-1030-16			3000	1	3-1/4	20.8
UIR-1040-16		4"	4200	1	4-1/4	28
UIR-1050-20		5"	5000	3/4	5-1/4	40
UIR-1230-12	12"	3"	3400	3/4	3-9/16	31.5
UIR-1230-16			3400	1	3-1/4	31.5
UIR-1235-20		3-1/2"	4100	1-1/4	4-1/4	32
UIR-1240-20		4"	4800	1-1/4	4-1/4	35.6
UIR-1250-20		5"	6000	1-1/4	5-1/4	65
UIR-1260-20		6"	7500	1-1/4	6-1/4	70
UIR-1430-16	14"	3"	3400	1	3-1/4	28.6
UIR-1460-20		6"	7500	1-1/4	6-1/4	69
UIR-1640-20	16"	4"	6000	1-1/4	4-1/4	51
UIR-1650-20		5"	8400	1-1/4	5-1/4	70
UIR-1850-20	18		8600	1-1/4	5-1/4	90
UIR-2050-20	20		9000	1-1/4	5-1/4	100

Urethane on Iron wheels are high-capacity, non-marking, and resistant to abrasion, chemicals, and oil

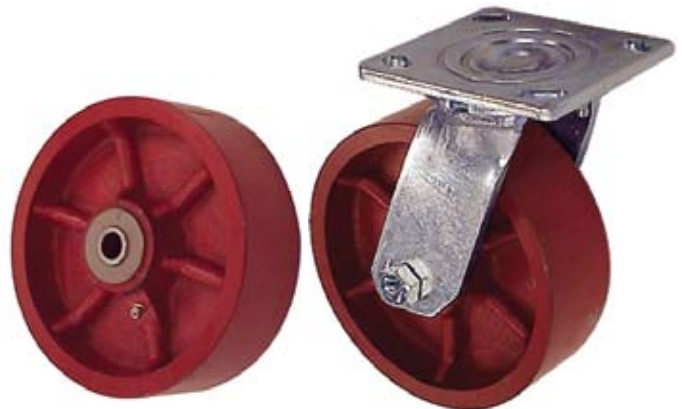


Urethane on Iron wheel is liquid cast and chemically bonded to machined, cast-iron cores. Careful attention is made during the bonding process to assure that each urethane on iron wheel meets or exceeds RWM's high standards of performance. Capacities rival those of steel wheels. Careful attention is paid during the bonding process to assure that each wheel meets high performance standards. UI wheels are non-marking, and resistant to abrasion, chemicals, and oil. These wheels will typically outlast rubber wheels. Temperature range: -40° to 180° F.



Ductile Iron wheels deliver exceptional load capacity, shock loading resistance

They are constructed tough, with an extremely heavy core and machined wheel face. DIR wheels are especially suited for shock loading applications. Large hub diameter can accommodate special ball bearing face requirements. Ductile iron is a high carbon, cast ferrous material with a composition that is generally similar to gray iron. The mechanical strength and ductility of ductile iron material is close to that of steel. Use these wheels when shock loading and high capacities are required. Contact us for sizes and more complete information.



Use forged steel wheels for your toughest applications



Forged Steel Wheels Forged steel wheels are hot-forged from medium carbon steel, providing maximum strength and durability—even under a load as heavy as 4,500 pounds.

They are virtually indestructible within their capacity range. Use them in the toughest applications

and on the most demanding floors, with the heaviest loads. Temperature range: -50° to 800°. Other sizes available.



Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)
FSR-0620-08	6	2	1500	1/2	2-15/32	6.3
FSR-0830-12	8	3	4500	3/4	3-9/16	19
FSR-0830-16				1	3-1/4	19

V-Groove wheels for controlled applications with inverted angle track

V-Groove wheels are high strength cast-iron castings, machined with a 90° groove for operation on inverted angle iron track. They are used to control the flow of a load (into an oven, between machines, over long distances, or where production line sequences must be maintained.) Care must be taken to be certain the inverted angle iron track is parallel to ensure smooth and constant tracking. Temperature range: -50° to 800° F.



Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Groove	Hub Length	Wt. (Lbs.)
VIR-0415-08	4"	1.1/2	700	1/2"	7/8 x 7/16	1.7/8	3.4
VIR-0420-08		2	800			2.15/32	4.5
VIR-0520-08	5"	2	800			2.15/32	6.3
VIR-0620-08	6"	2	1000			2.15/32	7.2
VIR-0625-12YY		2.1/2	1500	3/4"		3.1/16	11.2
VIR-0625-16YY		2.1/2	1500	1"		2.3/4	11.2
VIR-0625-12		2.1/2	2500	3/4"		3.9/16	11.2
VIR-0625-16		2.1/2	2500	1"		3.1/4	11.2
VIR-0630-16		3	10000		1-3/8 x 11/16	3.1/4	20
VIR-0820-08	8"	2	1050	1/2"	7/8 x 7/16	2.15/32	13.2
VIR-0825-12		2.1/2	3000	3/4"		3.9/16	15.8
VIR-0825-16		2.1/2	3000	1"		3.1/4	15.8
VIR-0830-16		3	5000			3.1/4	23.5
VFR-0830-20		3	6000	1-1/4"		3.1/4	23.5
VFR-0840-20		4	10000		1.3/4 x 7/8	4.1/4	30
VIR-1030-16	10"	3	5000	1"	1-3/8 x 11/16	3.1/4	21
VFR-1040-20		4	15000	1-1/4"	1-3/4 x 7/8	4.1/4	38
VIR-1230-20	12"	3	6000		1-3/8 x 1-11/16	3.1/4	39

Heavy-duty, shock-resistant Cast Iron wheels bear the heavy loads



Cast Iron Wheels are high strength gray iron castings. CI wheels are exceptionally long wearing, have tremendous resistance to shock, and are a good choice for high capacity loads in warehousing and manufacturing. Cast Iron Wheels are recommended for rough concrete, wood block, and littered floors. Finish: Painted silver. Temperature range: -65° to 275° F continuous; 300° F intermittent.

Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)
CIR-0415-08	4"	1½"	500	1/2"	1.7/8	3.2
CIR-0420-08		2"	800		2.15/32	3.3
CIR-0515-08	5"	1½"	500		1.7/8	4
CIR-0520-08		2"	1000		2.15/32	4.7
CIR-0620-08	6"	2"	1200		2.15/32	5.7
CIR-0625-12		2½"	1800	3/4"	3.9/16	9.5
CIR-0625-16YY			1800	1"	2.3/4	9.5
CIR-0630-12		3"	3000	3/4"	3.9/16	12
CIR-0630-16			3000	1"	3.1/4	12
CIR-0820-08	8"	2"	1200	1/2"	2.15/32	11.4
CIR-0830-12		2½"	2000	3/4"	3.9/16	15.5
CIR-1030-12	10"	3"	2500		3.9/16	27
CIR-1030-16			2500	1"	3.1/4	27
CIR-1230-12	12"		2500	3/4"	3.9/16	29
CIR-1230-16			2500	1"	3.9/16	29



Left: V-Groove forged wheel. Contact us for assistance



Rubber on Iron Wheels

Ideal for towline applications of the kind often found in freight terminals or warehouses

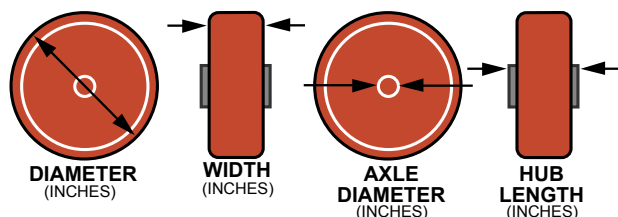
The Rubber on Iron wheel is constructed by molding high quality rubber to cast iron cores. It's floor-protective, provides long tread life, operates quietly, and is highly resilient. Suggest for almost all kinds of floors and for a variety of applications. It's well-suited for towline applications of the kind often found in freight terminals or warehouses.



Sometimes called Mold-On Rubber wheels. Temperature range: -40 to 160 F.



Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)	
RIR-0415-08	4"	1-1/2"	250	1/2"	1-7/8"	1.2	
RIR-0420-08		2"	350		2-7/16"	3.1	
RIR-0515-08	5"	1-1/2"	300		1-7/8"	2	
RIR-0520-08		2"	400		2-7/16"	3.5	
RIR-0620-08	6"	2	410	1"	2-7/16"	4.1	
RIR-0625-16YY		2-1/2"	540		2-3/4"	7.8	
RIR-0625-16		2-1/2"	540	3-1/4"	10		
RIR-0630-12		3"	680		3/4"	11.2	
RIR-0630-16			680		1"	11.2	
RIR-0820-08		8"	2"	500	1/2"	2-7/16"	6.3
RIR-0825-12YY	2-1/2"		670	3/4"	2-3/4"	11.1	
RIR-0825-16YY			670	1"		11.1	
RIR-0825-16			670	3-1/4"	11.5		
RIR-0830-12	3"		840		3/4	13	
RIR-0830-16			840		1"	13	
RIR-1025-16YY	10"		2-1/2"	790		3-1/4"	13
RIR-1025-16			790	13			
RIR-1030-12		3"	1000	3/4"	15		
RIR-1030-16			100	1"	15		
RIR-1225-12YY	12"	2-1/2"	900	3/4"	3-1/4"	16	
RIR-1225-16YY			900	1"		16	
RIR-1230-12		3"	1140	3/4"		21	
RIR-1230-16			1140	1"	21		
RIR-1240-20		4"	1600	1.1/4"	4.1/4	26	
RIR-1250-20		5"	2050		5.1/4	40	
RIR-1430-16		14"	3"	1280	1"	3-1/4"	26
RIR-1630-16	16"	1420		32			
RIR-1830-16	18"	1580		42			



Rubber on Polypropylene Wheels

Durability of a hard tread and floor protection of a soft tread wheel

Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)
RPR-0415-08	4"	1-1/2"	300	1/2"	2-15/32"	0.5
RPR-0420-08		2"	350			0.6
RPR-0515-08	5"	1-1/2"	350			0.8
RPR-0520-08		2"	375			0.9
RPR-0620-08	6"	2"	600			1.4
RPR-0820-08	8"		675			2.0

The Rubber on Poly wheel provides unsurpassed durability and reliability. It combines the durability of a hard-tread wheel with the quiet floor protection of a soft-tread wheel. It's made of thermoplastic elastomer, permanently bonded to a polypropylene core. It will not mark floors. It is resistant to chemicals, acids, bases, alcohols, salts, and steam. This attractive wheel is great for a wide variety of industries and applications. Temperature range: -45 to 120 F continuous; 180 F intermittent.



Albion Maxim Wheels

ALBION



The Maxim nylon glass-filled wheel delivers a maximum performance and ergonomic assistance for your most demanding caster applications. With a focus is on ergonomics, so it starts rolling keeps rolling, and swivels with ease. The innovative nylon and fiberglass construction stands up to solvents, extreme temperatures, and heavy load capacities. Maxim wheels will not absorb moisture. Temperature range: -40° to +350° F. Contact us for sizes, styles, and bearing options.

High-Temperature Nylon

Use continuously at 350°F and intermittently up to 550°F. They are molded from reinforced nylon designed specifically to withstand high temperatures and have excellent wear resistance. High Temperature Nylon wheels are capable of high load capacities and have excellent impact resistance at room temperature. Contact us for sizes, styles, and bearing options.



Phenolic (Durastan) wheels are long-lasting with up to 8,000 lbs. capacity

Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)
DUR-3220-08	3-1/4"	2"	700	1/2"	2-15/32"	1.5
DUR-0415-08	4"	1-1/2"	600		1-7/8"	1.0
DUR-0420-08		2"	800		2-15/32"	1.5
DUR-0515-08	5"	1-1/2"	600		1-7/8"	1.7
DUR-0520-08		2"	1000		2-15/32"	1.9
DUR-0620-08	6"	2"	1200		2-15/32"	3.5
DUR-0625-16YY		2-1/2"	1600	1"	2-3/4"	4.8
DUR-0625-16			1600		3-1/4"	5.1
DUR-0630-12		3"	2000	3/4"	3.9/16	5
DUR-0630-16			2000	1"	3-1/4"	5
DUR-0820-08	8"	2"	1400	1/2"	2-15/32"	4.4
DUR-0825-12YY		2-1/2"	1800	3/4"	3.1/16	5.4
DUR-0825-16YY			1800	1"	2-3/4"	5.4
DUR-0825-12			2000	3/4	3.9/16	7.0
DUR-0825-16			2000	1	3-1/4"	7.0
DUR-0830-12		3"	2500	3/4	3.9/16	7.6
DUR-0830-16			2500	1	3-1/4"	7.6
DUR-1030-12	10"	3"	2900	3/4	3-9/16"	10.2
DUR-1030-16			2900	1	3-1/4"	10.2
DUR-1230-12	12"	3"	3500	3/4	3-9/16"	13.3
DUR-1230-16			3500	1	3-1/4"	13.3
DUR-1235-20		3-1/2"	4000	1-1/4"	4-1/4"	15.3
DUR-1240-20		4"	4000	1-1/4"	4-1/4"	26.2
DUR-1630-16	16"	3"	4000	1	3-1/4"	27.0
DUR-1640-20		4"	8000	1-1/4"	4-1/4"	35.0



Durastan (Phenolic) Wheels are molded from prime phenolic resin compounds with maximum density and strength. Phenolic wheels are constructed from a special water resistant compound that provides excellent service even in wet and cold applications. In addition, Phenolic wheels resist degradation, deterioration, and corrosion from oil, grease, and commonly used acids and solvents. Recommended for all types of floors except resilient tiles. Phenolic wheels should not be towed at high speeds or used on poor floors. Temperature range: -65° to 275° F continuous; 300° F intermittent.



Online help & assistance

See www.cisco-eagle.com for a large selection of wheels, casters, articles, tips and information. You can purchase online, submit a caster inquiry, or browse thousands of options and sizes for casters and wheels.

Polyolefin wheels offer remarkable water, chemical, and impact resistance for food, service, and warehousing applications

Polyolefin wheels offer superior resistance to water and chemicals, better abrasion resistance than hard rubber, and a remarkable ability to withstand impact. Polyolefin wheels are a solution for a very wide range of applications—ideal uses include



bakeries, meat packers, dairy, food processors, laundries, supermarkets, warehouses, and manufacturing facilities. Temperature range: -20° to 230° F.

Model Number	Wheel Dia.	Wheel Width	Cap. (Lbs.)	Axle Dia.	Hub Length	Wt. (Lbs.)
POR-0420-08	4"	2"	500	1/2"	2-15/32"	1.0
POR-0520-08	5"		650			1.1
POR-0620-08	6"		700			1.3
POR-0820-08	8"		800			2.1



Prevent portable equipment from shifting with floor locks

Locking mobile equipment in place

Engage the floor lock, by pressing the foot pedal. Depressing the kick bar releases or retracts the floor lock. Installed floor locks in pairs between swivel and rigid casters (it's possible to maintain adequate locking mounted between two swivel casters.) Not built to lift equipment.

RWM Floor Lock: Top plate is 4" x 4-1/2" with bolt hole spacing slotted from 2-5/8" x 3-5/8" to 3" x 3". Mounting bolt size is 3/8"

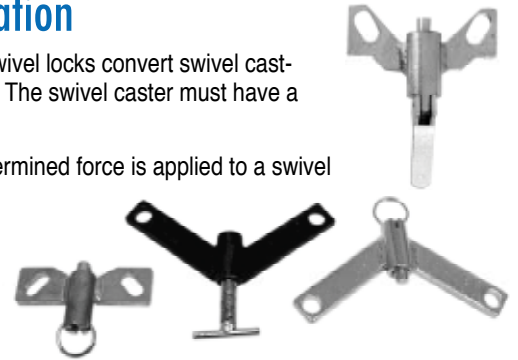
*Albion Floor Lock: Top plate is 6-1/4" x 3-3/8" with bolt hole spacing slotted from 5-1/4" x 3-3/8" to 4-15/16" x 2-7/16". Mounting bolt is 1/2"



Model Number	Wheel Dia.	Height (Inches)	Wt. (Lbs.)
FL-4	4"	5.5/8	3.7
FL-5-1	5"	6.1/8	4.5
FL-5-2		6.1/2	4.5
FL-5-3		6.3/4	4.5
FL-6-1	6"	7.1/4	4.7
FL-6-2		7.1/2	4.7
FL-6-3		7.3/4	4.7
FL-8-1	8"	9.1/2	4.7
FL-8-2		9.3/4	4.7
FL-8-3		10.1/8	4.7
FL-8-4		10.1/2	4.7
62LF0880*		10.1/8	4.5

Swivel locks convert swivels into rigids for versatile operation

- **Swivel Lock (SL), Demountable Swivel Lock (DSL) & Notched Yoke (YN):** Plunger type swivel locks convert swivel casters into rigid to enhance steering control. DSL locks can be field-installed or replacement. The swivel caster must have a notched yoke for the demountable to operate
- **Passive Swivel Locks (PSL):** Passive swivel locks engage and disengage when a predetermined force is applied to a swivel caster. Contact us for options on selected casters.
- **Heavy Duty Threaded Swivel Lock (HDSL):** Where swivel lock durability is required.
- **Foot Operated Swivel Lock (FOSL):** Plunger is attached to a cam lever which engages and disengages lock with foot action for easy operation.



Wheel brakes

- **Field Installable Face Contact Brake (ICWB):** The only face contact brake that accommodates demountable swivel locks is easy to install in the field. Caster, brake, and DSL can be purchased separately. SIZES: 4", 5", 6" & 8". CASTER SERIES: 45/46, 47, 48, 52, 65 and 70. Fits 2" wide wheels only.
- **Field Installable Side Action Brake (WB):** Economical size operated brake can be field installed. WHEEL SIZES: 4", 8". Can be used with plain, roller and celcon bearings.
- **Cam Wheel Brake (CWB):** Depressing the pedal engages a nonskid pad against the wheel. Deactivate by moving the foot pedal in the opposite direction.
- **Face Contact Steel Total Lock Brake (FCSTLB):** Made for 45 Series casters. Available on all sizes.
- **Face Contact Nylon Total Lock Brake (FCNTLB):** Made for 45 Series Casters. Available on all sizes.



ICWB Face contact brake is field installable



CWB Field installable side action brake