



PRODUCTS CATALOG

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www.RACKUSA.com

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STORAGE SOLUTIONS: YOUR TRUSTED PARTNER

RACK USA is a leader in engineered storage solutions, leveraging 50+ years of experience and hundreds of satisfied customers, we deliver lasting quality and reliability. Our product offering includes: shelving, racking-selective and structural, accessories like wire mesh decking, pallet supports, rack protectors, and rack safety mesh panels—plus services: design, engineering, permit management, installation, and logistics—all tailored for seamless, end-to-end project execution in any storage environment.

ROLL-FORMED RACKING

Our racking systems are engineered to maximize storage and operational efficiency across industries. From selective to drive-in, push-back, and dynamic configurations, each solution aligns with specific load and inventory needs — enhancing organization, space utilization, and workflow safety

STRUCTURAL RACKING

Our structural racks offer robust, reliable storage for extreme loads and high-impact environments. Built from structural steel, they deliver superior strength, weight capacity, and durability over conventional racks. Ideal for cold storage and other demanding settings, our systems ensure long-term safety, stability, and performance.

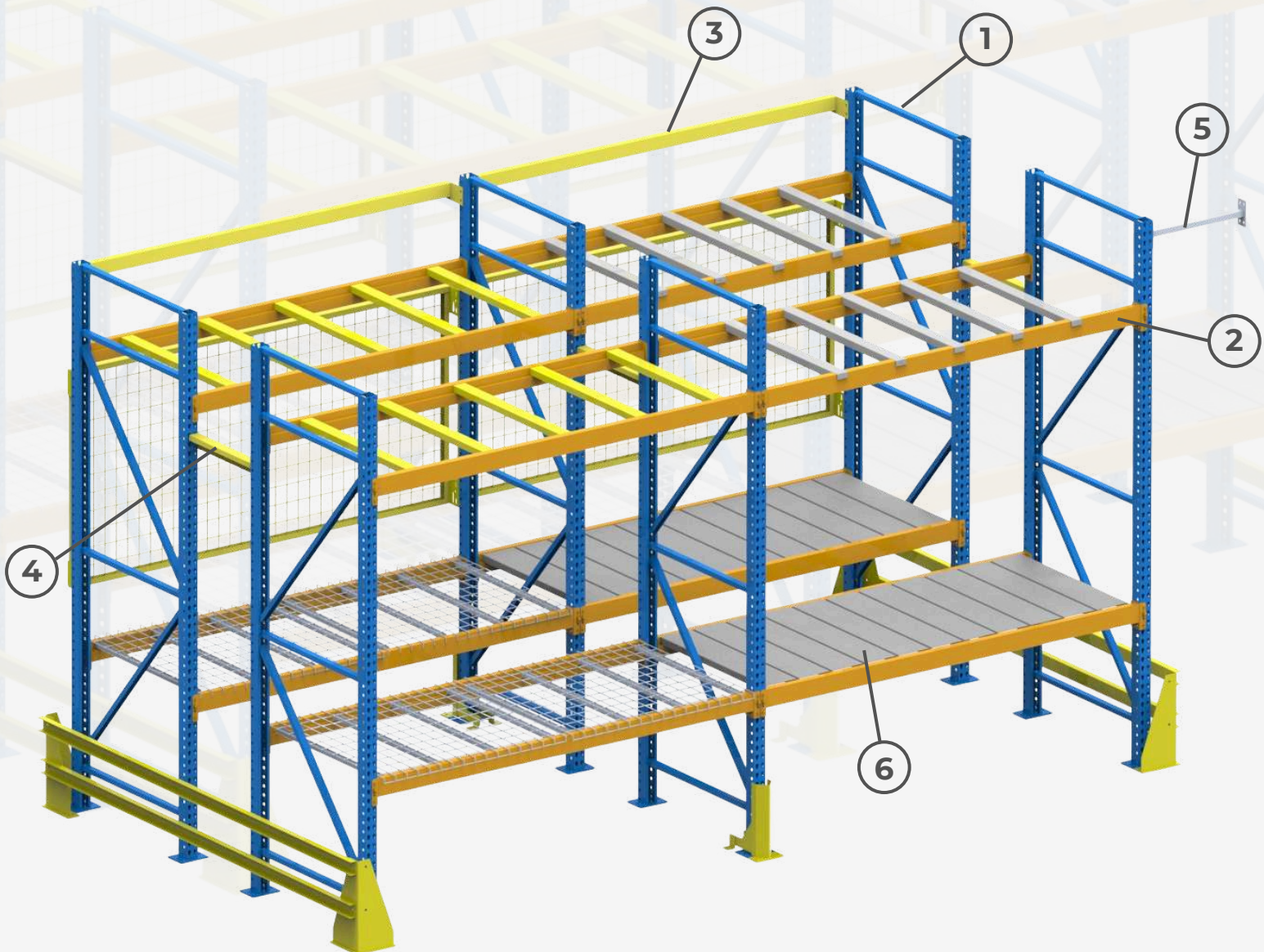
SHELVING SYSTEMS

We offer Boltless Rivet, Boltless Tab Rack, and Industrial Bulk Rack Shelving - efficient solutions for medium and lightweight loads. Ideal for home storage, retail backrooms, and warehouses, these systems support quick access, smooth workflows, and clear inventory visibility.

RACKING-AT-A-GLANCE

- ① Frames: Roll-Formed & Structural
- ② Beams: Roll-Formed & Structural
- ③ Stop Beams
- ④ Row Spacers
- ⑤ Wall/Row Ties
- ⑥ Steel Solid Surface Decking

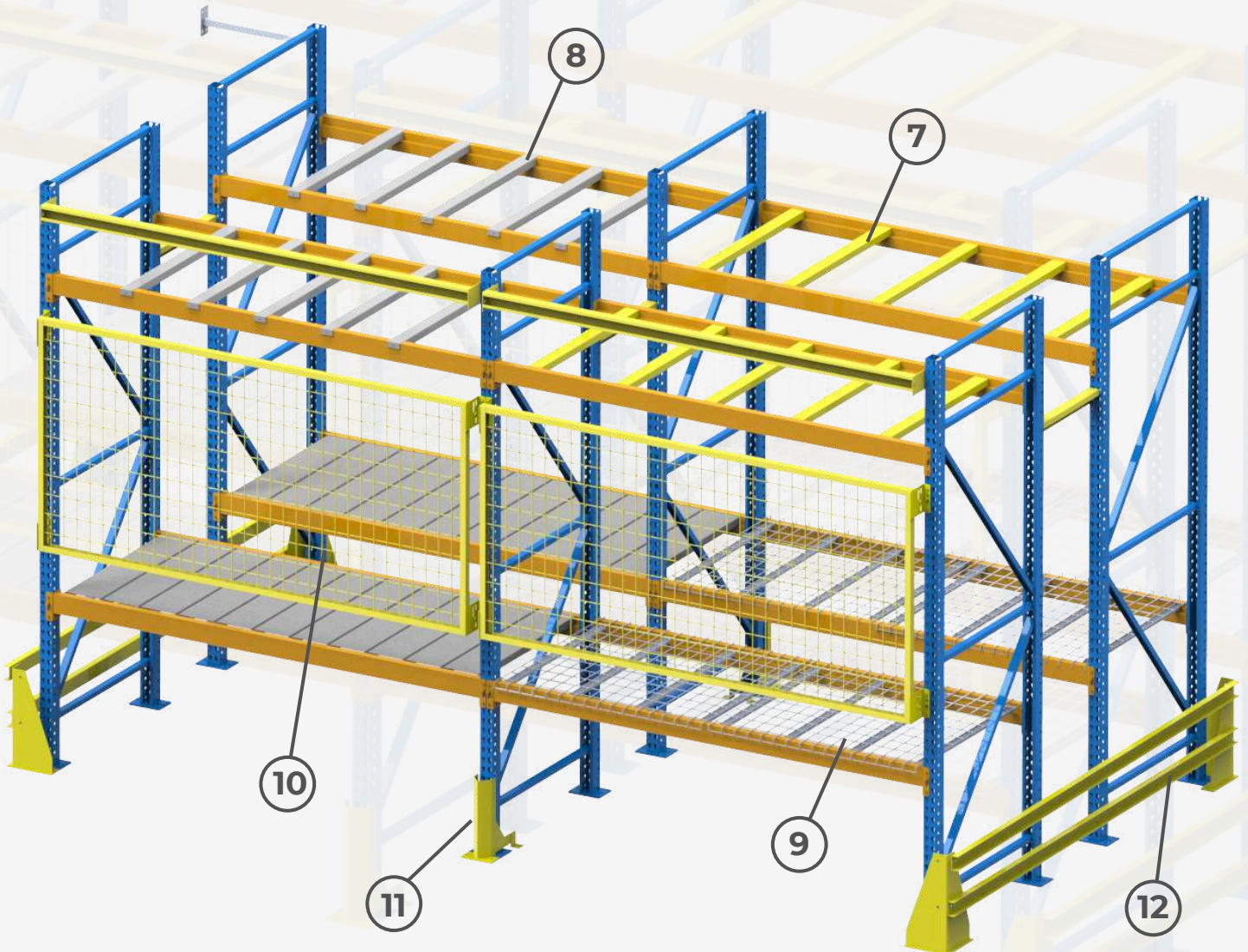
Our **Racking Systems** are designed to maximize storage capacity, improve accessibility, and provide long-term durable solutions.



RACKING-AT-A-GLANCE

With versatile configurations, racking provides efficient solutions for warehouses of all sizes, helping businesses optimize space and streamline operations.

- ⑦ Crossbars (Step Beam)
- ⑧ Crossbars (Box Beam)
- ⑨ Wire Mesh Decking
- ⑩ Rack Safety Panels
- ⑪ Column Protectors
- ⑫ Row Protectors





SELECTIVE RACKING: RFW (ROLL-FORMED WELDED)

The most commonly used racking system, it is adaptable to any warehouse design, space, or usage case, optimizing space from 60-70% by simply maximizing square footage and utilizing of unused vertical space. Excellent for use in FIFO/LIFO systems.

Applications

- Direct Access to Pallets: Facilitates inventory control by allowing immediate access to each pallet.
- Adaptability: Suitable for various spaces, weights, and sizes, and can integrate with other storage systems.
- Palletized Product Storage: Optimized for storing palletized goods, accommodating a diverse range of references.

Advantages

- High quality manufacturing meets industry standards: R-Mark & IBC codes
- Maximum use of vertical warehouse space
- Immediately access stored pallets
- Store various shapes and sizes of products
- Pallets or cartons can occupy each space



SELECTIVE RACKING: RFW & STRUCTURAL DOUBLE-DEEP

Selective Double-Deep Racking doubles pallet capacity and achieves ~80–85% space utilization. By storing two pallets per bay, it reduces aisle space, boosts pick-face density, and supports deep-reach forklifts — all while maintaining selectivity and structural integrity.

Feature	Selective Racking	Double-deep selective racking
Storage capacity	Lower capacity, direct access to each pallet	Higher capacity, two deep pallet storage
Accessibility	Forklift direct access to each pallet, facilitates inventory rotation (FIFO)	Requires reach-forklift, limits access to the second row of pallets (LIFO)
Space optimization	Requires more aisles due to individual pallet access requirement	Reduces the number of aisles, maximizing available space for storage
Inventory rotation	Ideal for high-turnover products and multiple unique SKU	More efficient for low-turnover products with fewer repeated SKU



SELECTIVE RACKING: STRUCTURAL WELDED

Heavy-duty storage systems built from structural steel profiles, providing exceptional durability and load capacity. Specifically engineered for demanding environments and can withstand high-impact operations and heavy loads. The systems are based on structural steel profiles and designs are internationally recognized, meeting seismic and safety requirements.

Applications

- Ideal for warehouses, manufacturing facilities, and distribution centers requiring robust heavy load storage
- Suitable for cold storage environments and areas prone to heavy equipment traffic
- Commonly used in environments that prioritize long-term stability and reliability

Advantages

- Ensures durability in high-impact and extreme conditions
- Designed with high-strength structural steel for increased rigidity and stiffness
- Provides higher load capacities offering superior strength when compared to roll-formed racking systems
- Provides versatile designs adaptable to various storage requirements
- Supports heavy loads while maintaining structural integrity



CANTILEVER RACKING: STRUCTURAL

A specialized storage system designed for long, bulky, or irregularly shaped items. It is characterized by a structure composed of columns and a series of cantilevered arms extending from a vertical framework structure, providing unobstructed access for items like lumber, pipes, steel bars, tires, or furniture.

Applications

- Suitable for environments requiring easy access and efficient organization of oversized items
- Ideal for storing, bulky, non-uniform elongated loads such as metal beams, wood panels, or building supplies
- Light loads can be handled manually or by forklift when heavy
- Commonly used in industries like manufacturing, construction, and retail

Advantages

- A simple strong structure, easy to assemble, maximizes vertical storage space, maintaining durability and stability
- Offers flexible storage, adjustable arm heights allow for the storage of a wide variety of loads regardless of weight, length or width
- Reduces handling costs, provides excellent stock control
- Provides open access to materials, simplifying loading and unloading operations



CUSTOM SOLUTIONS: DRIVE-IN (DRIVE-THRU)

High-density storage systems designed for large volumes of uniform products. It allows forklifts to drive directly into the racking structure to deposit or retrieve pallets, utilizing the depth of the rack for storage. These systems maximize space utilization of the available surface by up to 85%, eliminating aisles for maneuvering.

Applications

- Commonly used for storing bulk quantities of the same product
- Suitable for industries such as manufacturing, distribution, and cold storage facilities
- Ideal for storing high volume, low rotation products
- Two load management systems are available: the drive-in system, with a single access aisle, and the drive-through system, with two load access points, one for each end of the rack
- LIFO (DRIVE-IN) | FIFO (DRIVE-THRU)

Advantages

- Lowers storage cost providing greater profitability
- Maximizes the efficient use of space for products with low turnover or seasonal demand by eliminating maneuvering aisles
- Offers cost-effective storage for high-volume, high-density inventories
- Allows for great inventory control



DYNAMIC RACKING: CARTON-FLOW

A Carton flow racking system is a high-density storage solution that uses inclined roller tracks or wheel beds for efficient picking. Items are loaded from the back and move forward by gravity to the picking side, ensuring smooth item flow

Applications

- Commonly used in order-picking operations, ie. e-commerce, retail, and manufacturing
- Ideal for product rotation system (FIFO system)
- Suitable for storing small to medium-sized items in cartons or bins; increases product diversity, saves space and speeds up picking maneuvers
- Adjustable to meet your needs and to optimize material in-feed and out-feed

Advantages

- Improves order-picking efficiency by keeping items accessible and organized
- Maximizes space by reducing the number of picking aisles required
- Supports fast replenishment and seamless inventory rotation
- Ideal for operations with large SKU counts, increasing the number of presented pick-faces, thus reducing interference during stock replenishment operations



DYNAMIC RACKING: PALLET-FLOW

A Dynamic gravity system, that is a high-density storage solution that uses inclined gravity roller tracks within the rack structure. Pallets are loaded from one side and move forward by gravity as the front pallets are removed. It makes the most of the available cubic space in the warehouse. Ideal for storing high volume, high rotation products.

Applications

- Suitable for operations with high-volume and time-sensitive inventory turnover
- Ideally suited for FIFO system
- (First-In, First-Out)
- Commonly used in cold storage and industries handling perishable goods, like food and beverage, and consumer goods

Advantages

- Maximizes storage capacity and ensures efficient inventory stock control
- Minimizes space requirements with fewer aisles compared to traditional racking
- Improves workflow by reducing handling time and movement
- Reduces personnel and forklift equipment usage by up to 30%
- Ideal for storing high-volume, high-rotation product



DYNAMIC RACKING: PUSH-BACK

A push-back pallet racking system is a storage solution designed for high-density pallet storage. It uses gravity in conjunction with a series of nested metal carts up to 5-pallets deep, that allow pallets to be loaded and pushed backward, optimally utilizing rack space depth.

Applications

- Ideal for industries with medium-turnover inventories with two or more pallets per SKU (LIFO system, pallet last-in, first-out)
- Suitable for warehouses prioritizing space efficiency
- Ideal for refrigeration and freezing chambers in the food industry

Advantages

- Reduces aisle requirements, increasing overall space efficiency
- Reduced operating costs
- Allows storage of different products on each level
- Maximizes storage capacity by utilizing depth in the rack
- Provides quick and easy access to stored pallets



CUSTOM SOLUTIONS: PALLET SHUTTLES (2-D | 4-D)

A compact storage system that uses motorized shuttles controlled by operating commands from a Wi-Fi connected device to automatically transport loads to and from racking systems. They are semi-automated storage systems designed to optimize high-density pallet storage. It uses an automated shuttle cart to move pallets from deep within racking systems, reducing the need for forklifts entering the aisles.

Applications

- Suitable for maximizing storage capacity in environments with limited space
- Commonly used in industries with high turnover rates, such as food, beverage, and manufacturing where the need to store a large volume of pallet is critical
- Ideal for FIFO and LIFO inventory management loading and unloading systems

Advantages

- Enhances operational efficiency by automating pallet movement
- Deep storage lanes minimize forklift travel beyond shipping docks and entry lanes
- Reduces risk of damage to equipment and/or operating personnel
- Increases storage density by reducing aisle space due to compact pallet storage
- Highly adaptable to various temperature-controlled environments, including cold storage



CUSTOM SOLUTIONS: MEZZANINES | PICK-MODULES

Mezzanines and Pick-Modules are multi-level systems that can multiply warehouse capacity. By integrating conveyors, shelving, and racking, they streamline high-volume order picking by maximizing vertical space usage. These systems are especially valuable to operations looking to optimize throughput and reduce labor costs. By enabling faster access to SKU and improving pick paths, these systems enable DCs to meet tight shipping deadlines and adapt to seasonal volume spikes.

Applications

- Ideal for e-commerce, retail, and distribution centers with high SKU variability
- Commonly used in facilities requiring fast and accurate order fulfillment
- Suitable for operations focusing on maximizing vertical space utilization, doubling or tripling usable surface
- Modular solutions that can be combined with other systems creating areas or spaces that can be readily enlarged as needed

Advantages

- Integrates storage and picking streamlining workflow
- Fits any space or operation with versatile, high-capacity, scalable design
- Maximizes floor space and scales with inventory growth
- Modular for expansion or easy disassembly and reuse
- Boosts productivity with efficient vertical layout and extreme SKU slotting density for high-volume operations



CUSTOM SOLUTIONS: RACK SUPPORTED BUILDINGS

A storage solution where the rack system forms the structural framework of the building itself. This innovative design integrates storage racks with the building's walls and roof, eliminating the need for a separate structural framework. These warehouse solutions are only limited by the height of the building itself, saving time and reducing costs.

Applications

- Ideal for large-scale warehouses and distribution centers requiring high-density storage
- Commonly used in industries with automated storage and retrieval systems (AS/RS)
- This system is recommended when there is need to build a warehouse in a short amount of time
- Suitable for cold storage facilities and environments with strict temperature control

Advantages

- Reduces construction costs and time by combining storage and structural functions
- Supports efficient workflow with integrated automation options
- Maximizes the use of space by eliminating maneuvering aisles
- Provides greater profitability at a lower storage cost
- Provides enhanced durability and stability for heavy loads and extreme conditions



CUSTOM SOLUTIONS: GRAVITY CONVEYOR

Our Gravity Conveyors are non-powered systems that move items efficiently along inclined or level rollers and wheels using gravity alone. Designed for lightweight to medium loads, they offer a cost-effective, energy-free solution for transporting goods with minimal effort — ideal for rack storage zones, packaging stations, assembly lines, and shipping areas.

Applications

- Ideal for warehouses, distribution centers, and assembly lines for efficient product movement
- Commonly used for loading and unloading trucks and transferring goods between workstations
- To transport any kind of material by the force of gravity, or an applied kinetic force
- Used to transport materials over long distances, without damaging the product

Advantages

- Ensures smooth and reliable movement of goods improving production
- Fully adaptable to your needs and the type of material you want to transport
- Flexible lengths and configurations adaptable to various operational needs
- Reduces energy costs by eliminating powered components
- Low maintenance with a simple and durable design

SAFETY PRODUCTS

DECKING | SUPPORTS | SPACERS | STOPS

- Wire Mesh Decking
- Crossbars/Pallet Supports (1/8" Out-Out)
- Rack Safety Panels (WxH, 3x4 mesh,*)
- Row Spacers (Pre-Galv,*) (ID)
- Top Ties (Aisle Connector) (ID)
- Wall Ties (Pre-Galv,*) (ID)
- Pallet Stops (4" Offset,*)
- Hanging Wire Mesh Dividers
- M-Dividers (1" Tubing, Front-Back)
- Shims: Frame (14g-Pre-Galv,*)

PROTECTORS: COLUMN | FRAME | ROW

- CP: Boot Type (Floor Anchored)
- CP: Corner Guard (Floor Anchored)
- CP: Row-Corner Guard (F-B,*) w/Double Horizontal Bars
- CP: Row-Corner Guard (F-B) w/Single Horizontal Bar
- CP: 12" Welded Guard (Column Anchored)

FRAME SAFETY MODIFICATIONS

- Offset Front Leg (Engineering Required)
- Double Post (Backer): Front
- Double Post (Backer): Front & Back
- Heavy-Duty First Horizontal Brace
- Extra Column Post

**-Standard configuration*



INDUSTRIAL BULK RACK

Versatile & Strong, maximize space utilization while storing a large number of items. Commercial rack with wire mesh shelves.

Standard Product Details

- Wire Mesh Shelves
- Gray Powder Coat Finish:
 - Custom Colors available

Dimensions

- Width: 77" (196 cm)
- Depth: 24" (61 cm)
- Height: 72" (183 cm)
- Weight: 131 lb (60 kg)

Features

- Industrial Quality
- Quick Easy Assembly
- Overall Capacity:
 - 4T: 8,000 lb (3,600 kg)
 - 3T: 6,000 lb (2,700 kg)
- Shelf Level Capacity:
 - 2,000 lb (900 kg)



BOLTLESS TAB SHELVING

Perfect for storing lightweight boxes and materials in retail environments.

Standard Product Details

- Solid Metal Shelves
- Gray Powder Coat Finish
 - Custom Colors available

Dimensions

Option 1:

- Width: 36" (91 cm)
- Depth: 12" (30.4 cm)
- Height: 60" (152 cm)
- Weight: 38 lb (18 kg)

Option 2:

- Width: 24" (61 cm)
- Depth: 12" (30.4 cm)
- Height: 60" (152 cm)
- Weight: 33 lb (15 kg)

Features

- High-Strength Steel
- Quick and Easy Assembly
- Overall Capacity:
 - 680 lb (308 kg)
- Shelf Level Capacity:
 - 170 lb (77 kg)



BOLTLESS RIVET SHELVING

Ideal for storing boxes and lightweight materials in homes, garages, offices, and retail spaces.

Standard Product Details

- Wire Mesh Shelves
- Gray Powder Coat Finish
 - Custom Colors available

Dimensions

Option 1:

- Width: 36" (91 cm)
- Depth: 18" (46 cm)
- Height: 72" (183 cm)
- Weight: 44 lb (20 kg)

Option 2:

- Width: 48" (122 cm)
- Depth: 24" (61 cm)
- Height: 72" (183 cm)
- Weight: 71 lb (32 kg)

Features

- High Strength Steel
- Quick Easy Assembly
- Overall Capacity:
 - 5T: 1000 lb (450 kg)
 - 4T: 800 lb (360 kg)
- Shelf Level Capacity:
 - 200 lb (90 kg)

PRODUCT COLOR OPTIONS

FRAME UPRIGHTS

- | | |
|---|--|
|  Blue 30089 <ul style="list-style-type: none">• Code: PZL230089 |  Beige 1013 <ul style="list-style-type: none">• Code: PML20024 |
|  Vista green MCX37098 (P0003405) <ul style="list-style-type: none">• Code: PVL237098 |  Black BK01 8534 (U99071801) <ul style="list-style-type: none">• Code: PNT60102 |
|  Gray: <ul style="list-style-type: none">• Code: GR-RUSA |  Negra Prisma 19024 (PBP0175) <ul style="list-style-type: none">• Code: FNT60111 |
| |  HDG-Hot Dipped Galvanized |

BEAMS

- | | |
|--|--|
|  Orange 30101 <ul style="list-style-type: none">• Code: POL230101 |  Black BK01 8534 (U99071801) <ul style="list-style-type: none">• Code: PNT60102 |
|  Yellow SN5164 <ul style="list-style-type: none">• Code: PAL20112 |  Negra Prisma 19024 (PBP0175) <ul style="list-style-type: none">• Code: FNT60111 |
|  Beige 1013 <ul style="list-style-type: none">• Code: PML20024 |  HDG-Hot Dipped Galvanized |

DECKING

- | | |
|---|--|
|  Gray: <ul style="list-style-type: none">• Code: GR-RUSA |  HDG-Hot Dipped Galvanized |
|---|--|

SAFETY ACCESORIES

- | | |
|--|--|
|  Yellow SN5164 <ul style="list-style-type: none">• Code: PAL20112 |  HDG-Hot Dipped Galvanized |
|  Orange 30101 <ul style="list-style-type: none">• Code: POL230101 |  PGA Pre-Galv |
|  Gray: <ul style="list-style-type: none">• Code: GR-RUSA | |

BOLD-Standard color finish

*****-Special order colors available upon request approval**



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