



MONTEL™



100 YEARS OF MONTEL

For over a century, Montel has consistently pushed boundaries and set industry benchmarks—establishing itself as a leading player in high-density storage and vertical farming solutions. With its influence extending to over 74 countries, the company has played a crucial role in reshaping the storage landscape.



THE CONCEPT



OPTIMIZE YOUR STORAGE OR YOUR GROWING SPACE

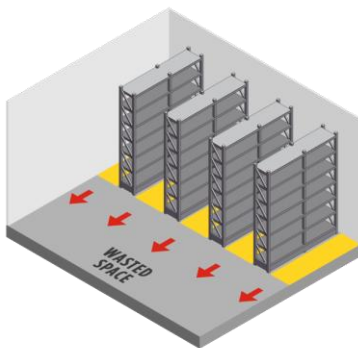
Montel's high-density systems maximize space efficiency, elevating your storage and vertical farming capacity. Our mobile shelving, racking, and industrial shelving solutions adapt to any length, depth, width, or height, fitting your organization's needs perfectly—right down to the very last inch

ELIMINATE THE NEED FOR MULTIPLE SPACE-WASTING STATIC AISLES. HERE IS HOW:

1. Static units are mounted on mobile carriages.
2. Mobile carriages travel on tracks.
3. Use the handle to move the manual systems or turn the 3-spoke SafeCrank handle for mechanical-assist systems or push a button on the powered system control to open the desired aisle.

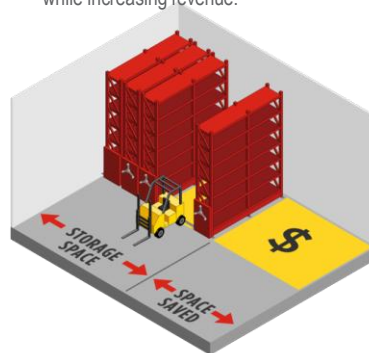
WASTED SPACE CONVENTIONAL FIXED RACKING LAYOUT.

Conventional storage and grow systems require space-wasting fixed aisles.



SPACE SAVED & INCREASED PROFITS MOBILE STORAGE AND GROW RACKS LAYOUT.

Montel's high-density storage and grow rack systems save up to 50% of your floor space in most cases, and accommodate growth for other uses while increasing revenue.



DOUBLED CAPACITY. MAXIMIZED SPACE & INCREASED PROFITS MOBILE LAYOUT.

100% greater capacity within the original floor space, eliminating the need for a costly expansion or the construction of a new facility.



WHY CHOOSE MONTEL?

STORAGE **SOLUTIONS**

VERTICAL FARMING **SOLUTIONS**

- ✓ Smoothest mechanical-assist mobile system (move multiple carriages fully loaded effortlessly at the same time)
- ✓ Durability and trouble-free maintenance. Engineered Storage Systems Built for Decades
- ✓ Most safe and advanced powered mobile systems
- ✓ Irreproachable Safety Record
- ✓ Patented and patent pending products (4-Post Hybrid Shelving, Mechanical Safety Brake, LED Guard Technology, in-rack dual ventilation system, trays, cultivator decking, etc.)
- ✓ Excellent warranty



GET RESULTS FROM YOUR SQUARE FOOTAGE: FAST ROI

Save up to 50 % of your value generating space.



WORK WITH STORAGE-SAVVY EXPERTS

We manufacture the one and only solution. The best one.



TOTAL OFFER CUSTOMIZED TO YOUR NEEDS

We will go to any length, depth, width or height.



BETTER ORGANIZE YOUR SKUs

Gain productivity while inventory management & security are improved.



MEET YOUR ENVIRONMENTAL OBJECTIVES

Minimize your environmental impact by reducing your footprint.

QUALITY STANDARDS

STORAGE SOLUTIONS

VERTICAL FARMING SOLUTIONS



SUPERIOR
WARRANTY



SUPERIOR SAFETY RECORD



ADA Compliant



- ISO 9001:2015 Certification
- ISO 14001:2015 Certification
- Contribution to LEED V4 for some specific Montel products
- •cUL Listed
- •Rated Machine Safety Standards
- Superior Warranty
- ADA Compliant
- Seismic-Resistant Products











INDUSTRIAL PRODUCT CATALOG



HIGH-DENSITY INDUSTRIAL STORAGE SYSTEMS



INDUSTRIAL PRODUCTS LINEUP CHART

MOBILE SHELVING SYSTEMS		MOBILE RACKING SYSTEMS					SHELVING & RACKING DIMENSIONS & CAPACITY										ADD-ONS
MOBILEX®	SAFEASILE®	BULK&ROLL™	BACK&ROLL™ 8MA, 8P	HD 16MA	SAFERAK® 16P	SAFERAK® 30P	MAX. HEIGHT	MAX. WIDTH	MAX. DEPTH	MAX. LOAD CAPACITY per Shelf or Beam (lb and kg)	MAX. LOAD CAPACITY per Bay (lb and kg)	INCREMENTS	SHELF ATTACHMENT	POST DIMENSIONS	CROSS-BRACING	INDUSTRIAL DRAWERS	
1,000 lb per linear foot (453kg per linear meter) 	1,000 lb per linear foot (453kg per linear meter) 	1,400 lb per section (635kg per section) 	8,000 lb (3,630 kg) per single deep-rack section 16,000 lb (7,250 kg) per double deep-rack sections with optional tandem carriages 	16,000 lb (7,250 kg) 	16,000 lb (7,250 kg) per single deep rack section 32,000 lb (14,540 kg) per double deep rack sections with optional tandem carriages 	30,000 lb (13,600 kg) per single deep rack section 60,000 lb (27,260 kg) per double deep rack sections with optional tandem carriages 										 400 lb (181 kg)	
✓	✓		-	-	-	-	120" (3,05 m)	48" (1,22 m)	24" (61 m)	Up to 300 lb (136 kg) with hooks Up to 500 lb (227 kg) with shelf supports and reinforcements	Up to 2,000 lb (907 kg)	1" or 1 1/2" (25.4 mm or 38.1 mm)	Hooks or Supports	1 1/8" x 1 1/8" (31.8 mm x 31.8 mm)	✓	✓	
SHELVING																	
✓	✓	✓	✓	✓	-	-	240" (6,096 m)	96" (2,44 m)	48" (1,22 m)	Up to 1,500 lb (680 kg)	Up to 4,500 lb (2,041 kg)	2" (50.8mm)	Beams	2" x 1 1/8" (50.8 mm x 33.3 mm)	-	✓	
-	-	-	✓	✓	-	-	240" (6,10 m)	106" (2,74m)	48" (1,22 m)	Up to 1,000 lb (454kg)	Up to 6,000 lb (2,722 kg)	15" (38.1mm)	Beams	2" x 1 1/8" (50.8 mm x 44.5 mm)	-	-	
-	-	-	✓	✓	✓	✓	288" (7,35 m)	144" (3,66 m)	60" (1,52 m)	Up to 12,000 lb (5,443 kg)	Up to 30,000 lb (13,608 kg)	3" (76.2mm)	Beams	Varies	-	-	

SOME TECHNICAL VALUES MAY CHANGE DUE TO SEISMIC ZONE CRITERIA. PLEASE CONTACT YOUR FACTORY REPRESENTATIVE.

CARRIAGES HEIGHT



LEGEND



Single Carriages
Mechanical-Assist
Shelving System



Single Carriages
Powered-Electrical
Shelving System



Single Carriages
Mechanical-Assist
Racking System



Single Carriages
Powered-Electrical
Racking System



Tandem Carriages
Powered-Electrical
Racking System

MA = Mechanical Assist



P = Powered Electrical



SAFERAK

WHAT'S NEW & IMPROVED?



NEW HMI (HUMAN-MACHINE INTERFACE) CONTROLLER

- Touchscreen
- Remote control
- Allows onscreen configuration, control and diagnostic
- Remote troubleshooting
- Highest safety level
- Performance level in accordance with EN ISO 13849-1 in regard to functional safety (FuSa) and reliability of safety related functions
- Siemens components



NEW DRIVE

- High safety and reliability standards
- Built-in emergency stop function
- Siemens components



NEW SIGNAL TOWER (LED & BUZZER)

- Easy visual on system status (ready-to-use, moving, fault, safety enabled)
- Adjustable audible signal



NEW KEYPAD

- Simplified design
- Touch-friendly interface allowing users to access preprogrammed aisle automated features:
- Auto spacing
- Auto closing
- Ventilation
- Etc.
- Siemens components



WHAT SETS US APART?

SAFERAK



SYSTEM CAPACITY

SAFERAK® 16P	SAFERAK® 30P
16,000 lb (7,258 kg) per single deep rack section	30,000 lb (13,608 kg) per single deep rack section
32,000 lb (14,544 kg) per double deep rack section with optional tandem carriages	60,000 lb (27,216 kg) per double deep rack section with optional tandem carriages

CARRIAGE HEIGHT



CARRIAGE LENGTH

SAFERAK® 16P Up to 100 feet (30.5 m) SAFERAK® 30P Up to 120 feet (36.6 m)

BENEFITS OF PROGRAMMABLE LOGIC CONTROL (PLC) vs. RELAY

NEW VERSION PLC (PROGRAMMABLE LOGIC CONTROL)	PRIOR VERSION RELAY	COMPETITION
Safety loop gathering all components	No safety loop gathering all components	
Requires less time, less wiring to assemble the electrical box since plug and play network cables are provided	More time-consuming and more traditional wiring required to perform different functions	
Easy to maintain with the programmable solid-state computerized individual controller	Physical manual work needed	
Operations are operated on the digital system	Operations are operated on the analog system	
More capabilities of input and output modules	No additional capabilities	
Easy to find a fault using the software	Very hard to find a fault in the Relay circuit	
Modular PLC	Electromagnetic Relay	
Accurate	Not as precise	

MONTEL
INTELLIGENT USE OF SPACE™

ISO 9001:2015 ISO 14001:2015 cULus SAFETY PARTNERS

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MONTEL
INTELLIGENT USE OF SPACE™

MOBILEX®

COMMERCIAL / INSTITUTIONAL / RETAIL

MECHANICAL-ASSIST MOBILE SHELVING SYSTEM

MOBILEX® mechanical-assist mobile storage systems offer your organization the flexibility to customize your high-density storage systems to keep up with your unique needs. Easily access and mobilize your items with its unique mechanism enabling you to effortlessly move multiple carriages at once.

System Capacity

Up to 1,000 lb per linear foot (454 kg).



SAFEAISLE®

COMMERCIAL / INSTITUTIONAL

POWERED ELECTRICAL MOBILE SHELVING SYSTEM

Get the most in storage security while boosting your storage capacity and productivity with our commercial-grade SAFEAISLE® Powered Mobile Storage System. Featuring its innovative and patented aisle-detection Aisle LED Guard Technology™, SAFEAISLE® guarantees the protection of both users and objects.

System Capacity

Up to 1,000 lb (454 kg) per linear foot.



BULK&ROLL™

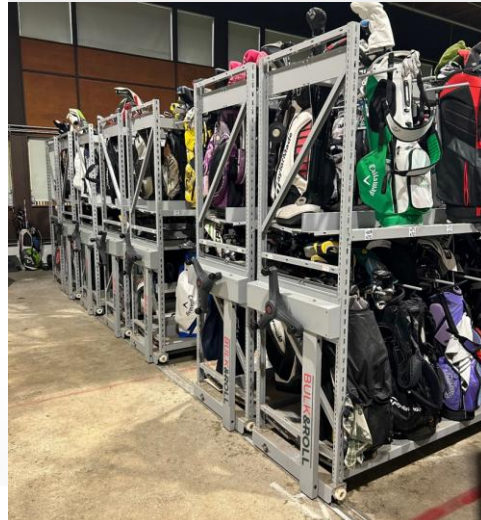
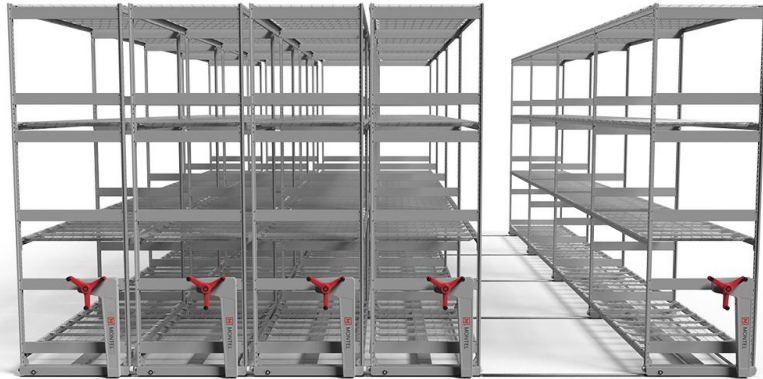
INDUSTRIAL

LIGHT DUTY MECHANICAL-ASSIST MOBILE RACKING SYSTEM

Montel's BULK&ROLL mechanical-assist mobile system is designed for high-density mobile storage of light to medium loads. Its simple design makes it easy to install and use in many different applications such as convenience stores, back stores, luggage handling, warehouses, hardware stores and any general storage of bulky items.

System Capacity

Up to 2,400 lb (1,089 kg) per bay of racking



STORE MORE

HD16MA™

INDUSTRIAL

MECHANICAL-ASSIST HEAVY-DUTY MOBILE RACKING SYSTEM

This heavy-duty mobile racking system is designed for wide-span semi-industrial applications and provides a sturdy space-efficient storage solution. Easily access and mobilize your system with its unique mechanical-assist mechanism enabling you to move carriages effortlessly.

System Capacity

Up to 16,000 lb (7,258 kg) per single bay or depth rack section



RACK&ROLL™ 8MA

INDUSTRIAL

MEDIUM-DUTY MECHANICAL-ASSIST MOBILE RACKING SYSTEM

RACK&ROLL 8MA system allows you to increase your capacity or create more room for production and other activities. This high-capacity, high-performance solution can free up over 50% of your existing storage area by compacting your racking and eliminating wasteful aisle space.

With RACK&ROLL 8MA, there's a rapid return on your investment. The high-density mobile racking pallet system enables you to lower production costs, streamline workflow and improve inventory management by consolidating the organization of your materials and reconfiguring your floor space. What's more, it can be customized to suit the needs of your industry

System Capacity

Up to 8,000 lb (3,629 kg) per single bay of racking or 16,000 lb (7,258 kg) per double deep rack section when RACK&ROLL 8MA is provided with tandem carriages.



RACK&ROLL™ 8P

INDUSTRIAL

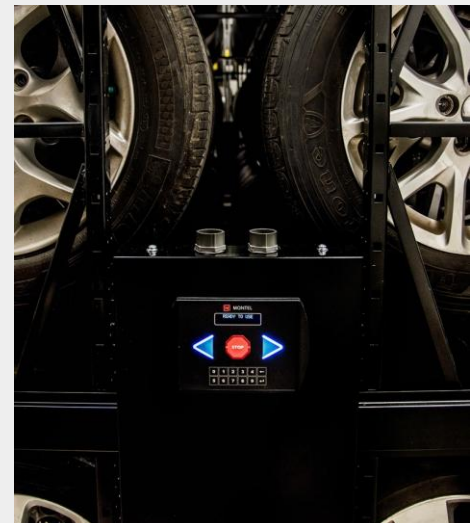
MEDIUM-DUTY INDUSTRIAL POWERED MOBILE RACKING SYSTEM

By transferring your racking to heavy-duty industrial-level mobile carriages, maximize the efficiency and minimize the costs of your warehouse storage space. RACK&ROLL 8P allows you to increase your capacity or create more room for production and other activities. This high-capacity, high-performance solution can free up over 50% of your existing storage area by compacting your racking and eliminating wasteful aisle space.

With RACK&ROLL 8P, there's a rapid return on your investment. The high-density mobile racking pallet system enables you to lower production costs, streamline workflow and improve inventory management by consolidating the organization of your materials and reconfiguring your floor space. What's more, it can be customized to suit the needs of your industry.

System Capacity

Up to 8,000 lb (3,629 kg) per single bay of racking or 16,000 lb (7,258 kg) per double deep rack section when RACK&ROLL 8P is provided with tandem carriages.



@Pulse™

Remote Monitoring Software



STORE MORE

SAFERAK® 32P

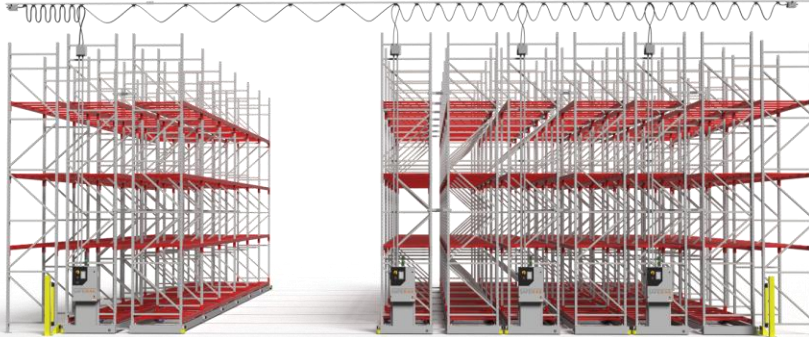
INDUSTRIAL

HEAVY-DUTY INDUSTRIAL POWERED MOBILE RACKING SYSTEM

SAFERAK® 32P heavy-duty industrial powered mobile racking system, designed for industrial environments, enhances efficiency and productivity by optimizing storage space. This high-capacity, high-performance solution can free up over 50% of your existing storage area by compacting your racking and creating more room for production and other activities.

System Capacity

Up to 16,000 lb (3,629 kg) per single bay of racking or 32,000 lb (14,515 kg) per double deep rack sections when SAFERAK is provided with tandem carriages.



@Pulse™

Remote Monitoring Software

 STORE MORE

SAFERAK® 60P

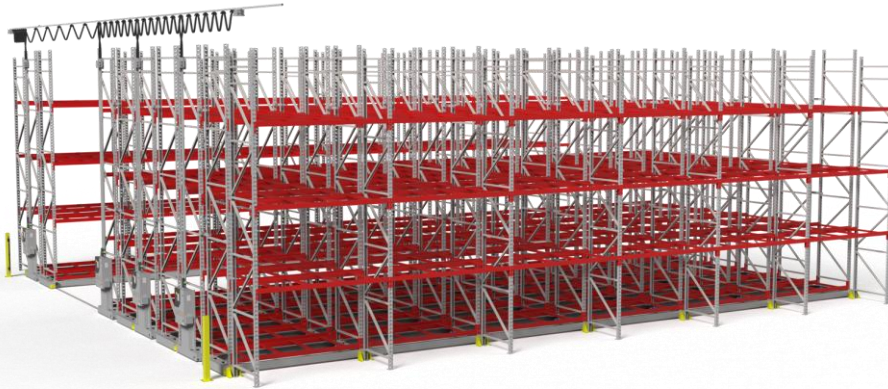
INDUSTRIAL

HEAVY-DUTY INDUSTRIAL POWERED MOBILE RACKING SYSTEM

SAFERAK® 60P heavy-duty powered mobile racking system, of industrial level, enhances efficiency and productivity by optimizing storage space. This high-capacity, high-performance solution can free up over 50% of your existing storage area by compacting your racking and creating more room for production and other activities.

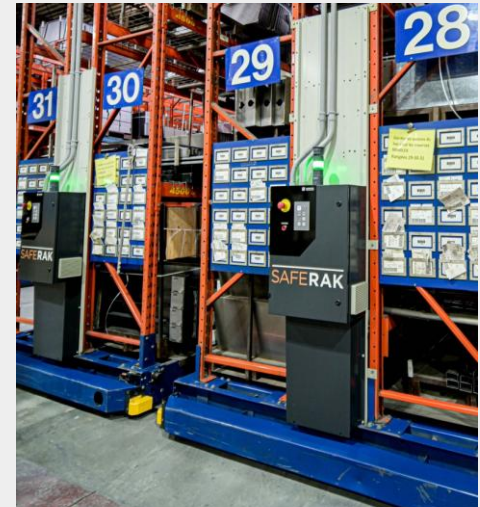
System Capacity

Up to 30,000 lb (13,608 kg) per single bay of racking or 60,000 lb (27,215 kg) per double rack section when SAFERAK is provided with tandem carriages.



@Pulse™

Remote Monitoring Software



HI-BAY™

SHELVING SYSTEM

HIGH-BAY SHELVING SYSTEM

Get the most out of every inch of your space. Stable, durable and flexible, our high-density HI-BAY shelving system can be designed to reach up to 35 feet (10.7 m) in height. Installed on mobile carriages, it will improve your workflow as well as your productivity.

System Capacity

Up to 800 lb (362 kg) per shelf



SMARTSHELF®

SHELVING SYSTEM

4-POST HYBRID MULTI-USE SHELVING SYSTEM

SmartShelf® 4-post shelving storage system is an open-ended shelving alternative, which can be configured in countless ways and customized to hold a wide array of items. Designed with versatility in mind, it's a one-shelf-fits-all solution for myriad storage needs.

System Capacity

Up to 500 lb (227 kg) per shelf.



CABINET STYLE

SHELVING SYSTEM

CASE-TYPE OFFICE SHELVING SYSTEM AND MULTI-USE STORAGE

Refine filling and cabinet storage in your office, business or practice with our case-type shelving, compatible with our mobile storage systems.

System Capacity

Up to 200 lb (91 kg) per linear foot.



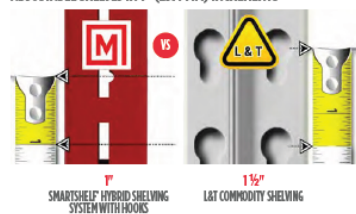
GET MORE VERTICAL & HORIZONTAL SPACE

TAKE SPACE EFFICIENCY TO A NEW LEVEL | MAXIMIZE YOUR STORAGE | OPTIMIZE YOUR SPACE

Our continuous quest for space optimization has led us to develop SmartShelf®, a shelving system that exceeds industry standards.

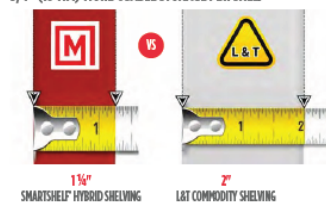
MORE STORAGE VERTICALLY

ADJUSTABLE SHELVES IN 1" (25.4 MM) INCREMENTS



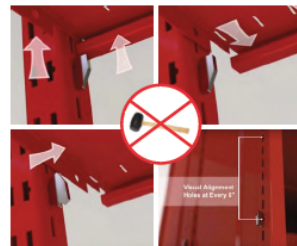
MORE STORAGE HORIZONTALLY

3/4" (19 MM) MORE USABLE STORAGE PER SHELF



EASY TO ADJUST A SHELF

SAVE SPACE | SAVE TIME | SAVE MONEY



SHELVING SYSTEM WITH HOOKS: EASY TO RECONFIGURE & NO TOOLS REQUIRED

The SmartShelf® exclusive hook shelf support system provides the quickest and greatest ease of assembly, disassembly, and reassembly.

No tools, hammers or mallets needed to install, remove, or reconfigure shelves as necessary with industry typical shelf support systems.

The shelves can be conveniently put in or taken out without adjusting, tilting, or removing the shelves above or below since the bar-formed posts do not impede the front of the shelf. The slide-in & slide-out capability truly reduces the time and effort to reconfigure the shelves, as there is no handling of the various shelf components.

Additionally stored objects are protected from disruption on the adjacent shelves below.

STANDARD DIMENSIONS

BACK-TO-BACK SHELF (DEPTH)	8"	9"	10"	12"	13"	15"	16"	18"	24"	30"	36"
DOUBLE FACE FULL DEPTH SHELF (DEPTH)	16"	18"	20"	24"	26"	30"	32"	36"			
WIDTH	24"	30"	36"	39 3/8"	42"	48"					
HEIGHT	76"	85"	88"	97"	108"	120"					

BEST OF BOTH WORLDS

EXCLUSIVE BACK-TO-BACK AND DOUBLE FACE FULL DEPTH SHELF TECHNOLOGY

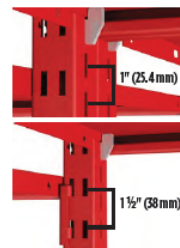


TWO TECHNOLOGIES WITHIN A SINGLE POST FRAME

SmartShelf® is the only storage system that can be configured as back-to-back or double face full depth shelf, or any combination of both from one tier to the next, and from one shelving section to the other. This exclusive flexibility allows the storage of objects in various shapes, forms, and dimensions.

This unique patented bottleless shelving concept provides two alternatives which you can mix and match for endless storage possibilities:

- Shelving system with hooks requiring no tools for shelf adjustment capable of withstanding a load capacity of up to 300 lb per shelf
- Shelving systems with shelf supports & reinforcements capable of withstanding a load capacity of up to 500 lb per shelf



SHELVES ARE ADJUSTABLE BY 1" (25.4 MM) INCREMENTS WITH HOOKS, OR BY 1 1/2" (38 MM) INCREMENTS WITH SUPPORTS

- Adjustments for storing objects of various heights. Offers more adjustability and optimizes the space between each level of shelving
- Hooks and supports can be used in the same section

Patent No. 6,814,245



DESIGN FEATURES



These supports are available in 3/4" (19.5 mm) or 1 1/4" (31.25 mm) height, according to the application and required load, and adjustable on 1 1/2" (38 mm) increments. They are made of 12-gauge (2.66 mm) steel. Safely supports the shelves and allow for the addition of reinforcements. Increases rigidity

SHELF REINFORCEMENTS (OPTIONAL)

Shelf reinforcements are inserted in the longitudinal supports. The number of supports depends on the width of the shelves and the weight of the items to be stored

FOUR ROLL-FORMED SHELF FOLDS

- The fourth fold reduces the risk of injury, protects documents or objects, and makes the shelves sturdier
- The 3/4" (19.5 mm) shelves are made of 20" (0.91 mm) or 18" (1.21 mm) gauge steel
- The 1" (25.4 mm) shelves are made of 18-gauge steel

INTEGRATED LEVELERS

Unlike shims, integrated levelers ensure accuracy, stability and a safe working environment on uneven floors.

CLOSURE PANELS OR END DIVIDERS (OPTIONAL)

Closure panels extend into the shelf area. Prevents stored objects from falling behind the closed-post upright. End dividers provided with slotted shelves are a more economical alternative.



MONTEL™
GROW MORE | STORE MORE®



Authorized Distributor

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