Push-Back Storage Systems

RIDG-U-RAK®

RIDG-U-RAK

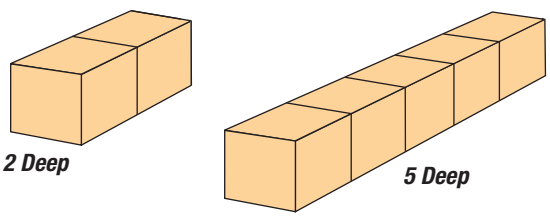
Push Back Storage Systems

The ultimate in pallet rack storage efficiency

System Flexibility

Ridg-U-Rak has been providing pallet rack storage solutions for more than 75 years. This broad experience is very evident in Ridg-U-Rak Push-Back systems.

Using components certified to the standards of the Rack Manufacturers Institute, Ridg-U-Rak can design a Push-Back system that meets your specific requirements. Lane heights and depths can be supplied in a wide variety of combinations. In fact, Ridg-U-Rak can provide free flowing, manageable Push-Back lanes up to 5 pallets deep.



PROUDLY Made in the USA

Made in USA

The unique features of Ridg-U-Rak Push-Back result in the ideal combination of smooth, low resistance movement and a low profile.

High Productivity

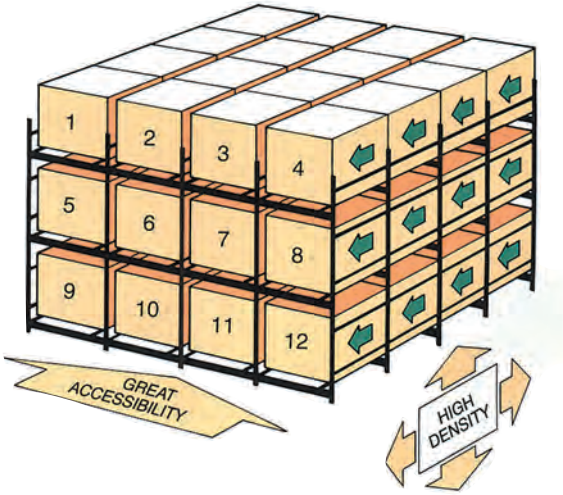
Push-Back storage provides a very desirable combination of high density and accessibility. Push-Back storage density equals that of drive-in storage, yet every lane can be accessed at all times. Any lane can be 100% filled from the aisle without affecting any other adjacent lanes above or below.

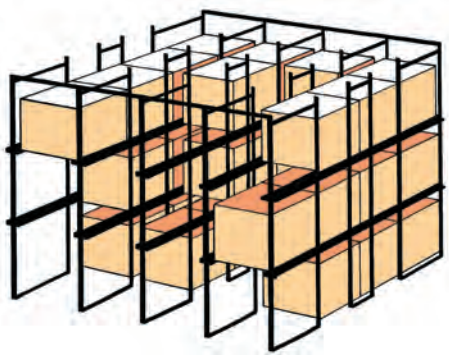
Stock Rotation

While Push-Back is a reverse flow storage system that operates on a last-in-first-out (LIFO) basis, you can easily rotate your stock on a first-in-first-out (FIFO) basis. You simply never store new lots in front of previous lots. This is much easier to accomplish in a Push-Back rack because every level of every bay is accessible from the aisle.

Lower Cost

Push-Back storage, in spite of its higher initial cost, is actually less expensive than drive-in storage for two reasons. First is the reduction of multiple handling time. And second, it takes less Push-Back rack and less storage space to provide the same storage capacity as a drive-in rack.

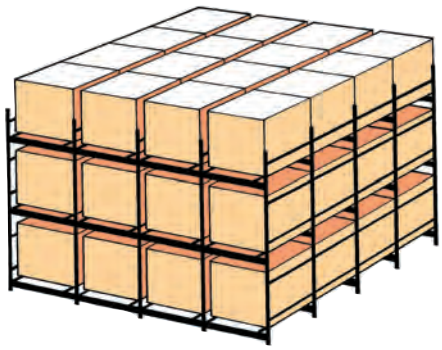




Drive-in honeycombing

60%

Utilization of pallet positions



Push-Back accessibility

90%

Utilization of pallet positions

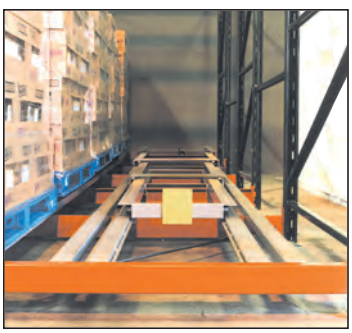
Consider this. Drive-in rack provides a typical utilization factor of about 60%. This means that on any given day "honeycombing" in the rack results in only about 60% of the available pallet positions being used. Push-Back provides utilization of 90% or more if it is correctly applied. To realistically store 1,000 pallets in drive-in you need about 1,600 pallet positions. With Push-Back, practically every pallet position is utilized. That could even mean a smaller warehouse.

Push Back Storage Systems

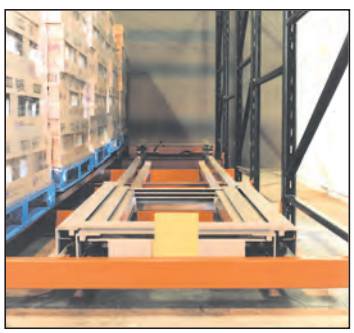
The ultimate in pallet rack storage efficiency

Superior, Heavy Duty Wheels & Bearings

Large, coated Ridg-U-Rak wheels with sealed bearings (below) contrast with ordinary Push-Back wheels. Larger wheels provide greater strength and ease of operation, and sealed-for-life self-lubricated bearings permit wash down without corrosion.

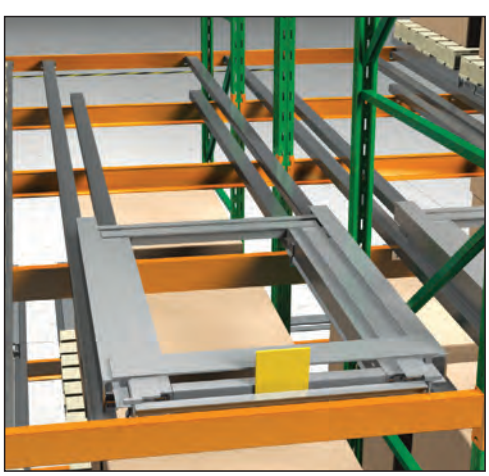


Telescoped cart system provides adequate clearance between carts and provides the widest position to the deepest and "heaviest" pallet.

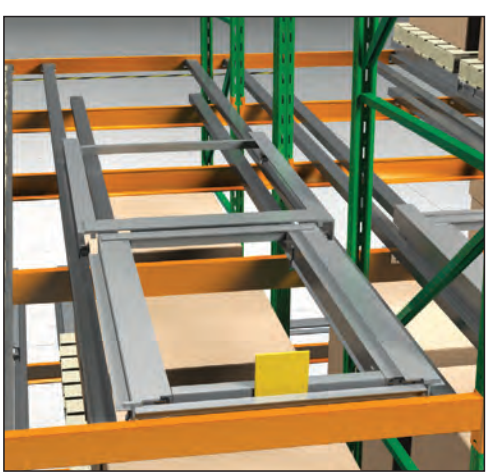


Box frame carts nest compactly. Front of all carts are at the same aisle position for consistent pallet positioning.

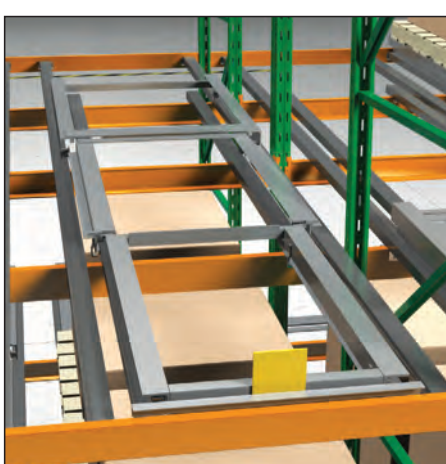
Operating Sequence - 4 Deep System



Empty lane in 4 deep system



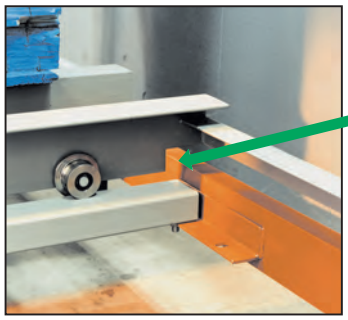
Cart positions when two pallets are loaded



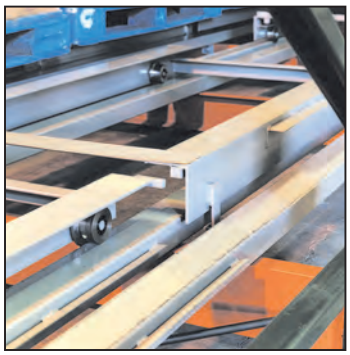
Cart positions when 3 pallets are loaded

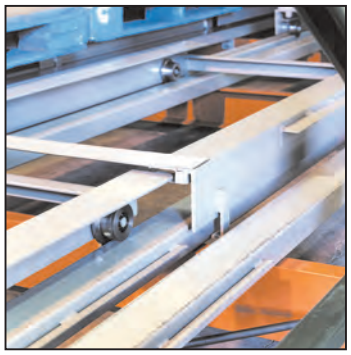
Note: Quality pallets will always provide more consistent Push-Back performance.

Designed For Trouble-Free Operation

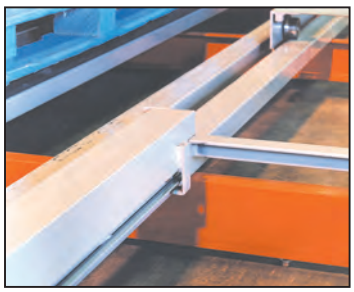


Deepest cart has notched out base to prevent run out.

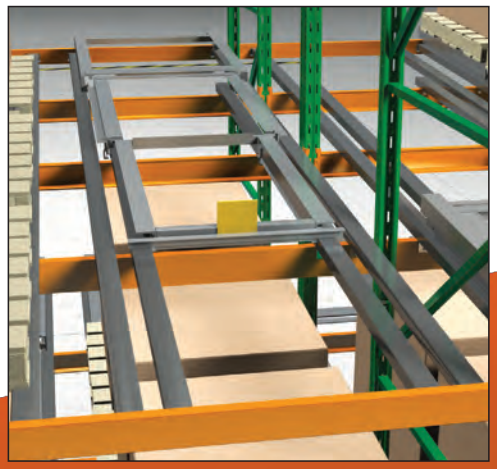




Cart linkage has locking engagement to prevent over extension.



J channels prevent carts from being accidentally uplifted out of system.



Cart positions when the lane is full. Front plate is not visible from the aisle

Full lane with pallets shown on carts

Designed with the Operator in Mind

The easier a Push-Back system is to use, the more productive a storage tool it becomes. Ridg-U-Rak Push-Back simplifies pallet placement, requires less force to move pallets, and is fitted with safety features that aid the lift truck operator.

Ridg-U-Rak Advantages

Features	Benefits
• 2 to 5 pallet lane depth	Flexibility in slotting SKU's.
• Reduced slope	Less required force on lift truck mast to input or remove pallet loads.
• Rigid box framed carts	No open ends - solid foundation for pallet loads.
• Telescoping carts	Reduces overall vertical height requirements.
• Wider top cart	Cart that travels the farthest is the widest for greater system stability.
• Carts interchangeable in 2 through 5 deep systems.	Greater system flexibility.
• Large diameter wheels	Heavy wall thickness prevents torsional distortion. Carts roll smoother with less force.
• Flared bottom cart push plate	Easier to see from aisle. Easier to remove pallet load.
• Tubular front beam	Reduces outward deflection and rotation.

Standard Features

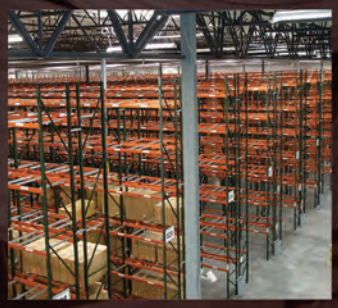
Features	Benefits
• Anti-lift outs	Prevents accidental cart disengagement during pallet load removal.
• Linked carts	All carts are interlocked to assure continuous flow.
• All cart, rail and beam components are structural shapes	Provides greater impact resistance and longer life.
• Cascading cart angles	Reduces debris on rails making input and removal easier.
• Flat loading surfaces	Easier and faster pallet load placement.
• Sealed, specially lubricated bearings	Seals out dust and moisture. For operation from -30°F through 250°F.

Push Back Storage ADVANTAGES

RIDG-U-RAK® STORAGE SYSTEMS

Made with American Steel

STORAGE SYSTEMS



Pallet Rack

Push Back

Pick Modules

Drive-In Rack

Gravity Flow

Very Narrow Aisle

Double Deep

Cantilever

American Owned. American Made. American Proud!

PROUDLY Made in the USA

RIDG-U-RAK

North East, PA 16428

For more information,
visit Ridgurak.com or call 866.479.7225

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