



ADVANCE
Quality you trust



ABOUT ADVANCE

Quality You Trust. On Time, Every Time.

Advance Storage Products manufactures engineered to order structural rack systems. Started in 1958 in southern California and still family-owned today, Advance has become a leading structural rack system producer, serving customers in the US and abroad. With a long history of innovation, Advance offers turnkey systems from purchase through warranty:

- Engineering and design excellence
- PE stamped calculations to current IBC and seismic requirements
- Approval and As-Built drawings
- Rack protection and safety enhancements
- Industry leading warranty

Following established lean operational processes, Advance is always improving, with an emphasis on quality, reliability and on-time delivery. With more than 200 team members and a solid balance sheet, Advance is prepared to handle racking projects of virtually any size.

Advance manufactures over 100,000,000 lbs. of structural rack solutions per year, routinely shipping projects in excess of \$5,000,000. ASP production facilities are state-of-the-art rack system manufacturing facilities located in Cedartown, Georgia and Salt Lake City, Utah. Advance produces nearly half of the pushback systems sold in the US and offers all types of long-lasting structural pallet storage systems from static selective rack to dynamic, high density systems as well as rack supported order fulfillment structures including pick and flow systems.

	SELECTIVE	DRIVE-IN / DRIVE THROUGH	FLOW	PUSH BACK
PRODUCT FLOW	First-In, First-out	Last-In, First-out / First-In, First-out	First-In, First-out	Last-In, Last-out
STORAGE DENSITY	▲	▲▲▲	▲▲▲▲	▲▲▲▲▲
SELECTIVITY	▲▲▲	▲	▲▲	▲▲
COMMON STORAGE APPLICATIONS	Palletized products requiring low density & high selectivity	Large quantities of uniform products	Date-sensitive products & products that vary in size	Multiple groups of SKUs
COST	\$	\$\$	\$\$\$	\$\$\$

▲ FAIR ▲▲ GOOD ▲▲▲ EXCELLENT

ASSOCIATION MEMBERSHIPS:



SELECTIVE RACK

Selective Rack is the most commonly used rack. Its cost-effective design allows for the maximum number of SKU facings. Selective Rack accommodates flexibility in slotting design. The most common selective rack is single deep. Selective Rack is ideal for low turnover, high SKU stock.



Advantages

- Low cost/pallet position
- Full selectivity/direct access to each pallet
- Ease of adjustability
- Easily configured to any load size

Disadvantages

- Low density
- Poor use of cubic space

DOUBLE DEEP REACH

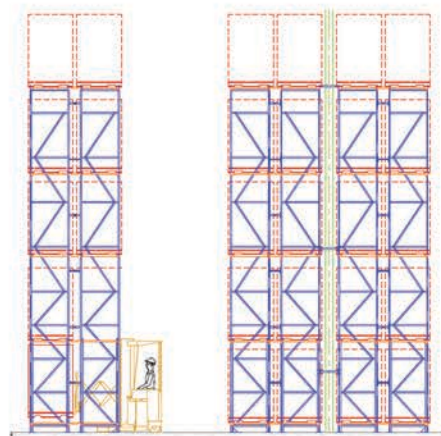
Double deep racking is very similar to selective racking but stores two rows deep instead of one. Pallet access in double deep systems is Last In First Out (LIFO) and is well suited for stock that has a longer shelf life (non-perishable.)

Advantages

- Increased storage capacity
- Fewer aisles than single selective
- Reduced aisle widths
- Faster pallet handling time
- Reduced pallet damage

Disadvantages

- Requires specialized forklift
- Reduced selectivity compared to single deep
- Reduced pick times

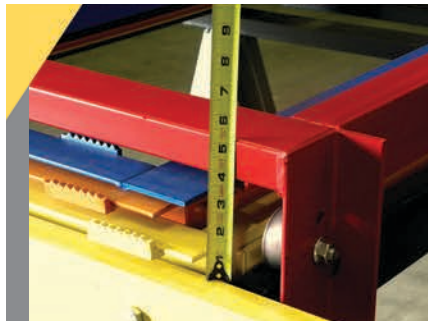


PUSHBACK

As the industry's leading manufacturer of pushback systems, Advance produces nearly half of the systems sold in the U.S. Advance's Lo-Pro™ rack system is recognized as the "GOLD STANDARD" for low stack height, ease of installation, ease of operation, quality and durability.

Lo-Pro™ Pushback warehouse systems are used extensively in high-cube storage facilities and provide superior selectivity and cost benefits when compared with other deep warehouse storage alternatives. Advance Storage Products' Lo-Pro™ Pushback rack systems are available 2 - 6 deep and require LIFO (Last In, First Out) storage applications.

Pushback rack improves existing warehouse storage density up to 25% by eliminating aisles required in a selective rack environment. In addition, the Lo-Pro™ Pushback stores multiple SKU's and the front loading/unloading capabilities reduce labor costs when compared to double-deep and drive-in rack systems.



Advantages

- High density storage
- Fast operation
- High selectivity

Features

- Linked carts: eliminates the possibility of a load being stranded and suddenly rolling out of control
- Serrated Pallet Grips: allows imperfect placement of pallets by "grabbing" the underside of the pallet ensuring that the load remains properly positioned on the cart
- Captured Carts: prevents cart lift-out by fork truck operators
- Low profile (the industry's lowest stack height measuring 6" on the 6-deep system)
- Welded Rail Frame: rails are permanently aligned at the factory to prevent field misalignment and costly maintenance
- Some options are full support and level carts

*Contrasting Cart colors: helps operators identify available storage space on upper levels
(galvanizing also available)*

DRIVE IN

Drive In rack systems provide low-cost, high density industrial storage solutions for users with very few SKUs to store. Drive In allows you to store multiple pallets of a single SKU per bay. Drive In racking requires the fork truck driver to enter and exit from the same point and uses Last In First Out (LIFO) inventory management.



Advantages

- High storage density for certain product mixes
- Lower capital investment vs. other high density options
- Very efficient storage--ability to store pallets back-to-back without aisles

Disadvantages

- Inflexible, does not allow for SKU increase
- Possible low storage utilization (typically 50% of positions used)
- Low productivity (30% slower than alternative systems)
- Requires standardized pallets
- Risk of rack damage by fork trucks
- LIFO - Last In First Out
- Difficult to rotate time sensitive products



Two Wide Drive In

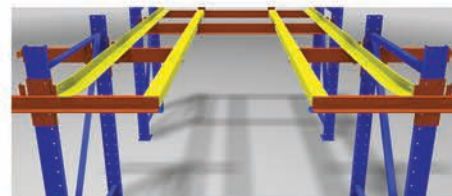
Two Wide Drive In (2Wide DI™) allows twice the loading and unloading capacity in a single run while increasing forklift stability.

Advantages

- Load and unload two pallets simultaneously
- Faster loading and unloading
- Lower handling costs
- Reduce number of aisles

Disadvantages

- Requires special fork lift



FLOW SYSTEMS

When you need a first-in-first-out warehouse storage solution, Flow Rack Systems may be the right material handling option for your facility. They provide high-density storage and these Flow Racking Systems are used extensively to feed picking operations.



Pallet Flow

Pallet Flow Rack Systems provide very high density storage in applications that must have first in, first out storage (FIFO). With Pallet Flow Rack Systems the pallets are loaded into the back end of the warehouse storage system and flow to the front end. On systems over 3 pallets deep, a braking system is typically provided.

Advantages:

- FIFO (First In First Out)
- High storage density (25+ pallets deep)
- Efficient picking and unloading

Disadvantages:

- High capital investment
- Requires good pallet quality
- High maintenance requirements
- Limited SKU and selectivity

Carton Flow

Carton Flow warehouse storage racks are used for low volume case picking and for high volume split case picking. Cartons are loaded individually at the back side of the rack system and flow to the front (FIFO-First In First Out). Carton Flow warehouse storage racks can be installed as stand-alone units, or as a component of a larger pallet rack, or pick module application



Advantages:

- Very high SKU slot facing
- Can support both full case, and split case picking
- Relatively inexpensive
- Very flexible
- Typical applications: Pick modules, Battery storage
- Efficient picking

Disadvantages:

- Requires double handling of cases
- Not well suited to high volume, full case applications

PICK MODULES & PICK TUNNELS



Pick Modules

Designed for high volume picking applications, Pick Modules pallets are highly engineered storage systems perfect for full and split case picking. Our Pick Modules can be designed 2-4 levels high, often with conveyors integrated into the rack system. Modules will often incorporate carton flow, pallet flow, pushback and combinations for custom material handling.

Advantages:

- Can handle high SKU counts in small foot print
- Very efficient picking rates
- Can handle both split and full case applications

Typical Applications:

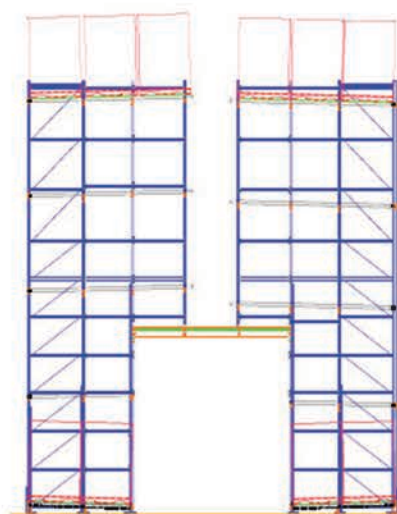
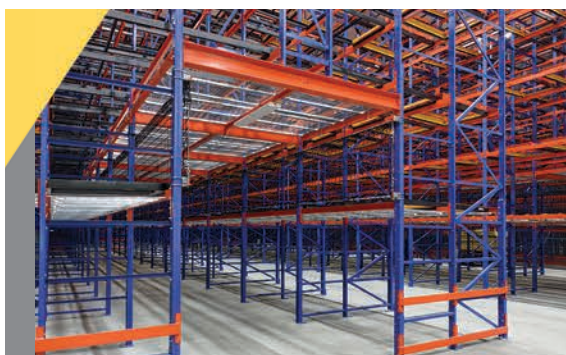
- High volume distribution
- Mail order distribution
- E - Commerce

Disadvantages:

- High capital investment
- Relatively inflexible to reconfigure
- High conveyerization cost

Pick Tunnels

High volume single level picking operations can benefit from Pick Tunnels racking systems, as they provide superior warehouse storage density and cubic space utilization. Reserve product is stored over the picking aisle in pushback or pallet flow and fed by lift trucks to the picking lines using either pallet flow or carton flow. This pallet rack configuration provides high density storage, minimized movement of reserve product, the safety of separate put away and picking operations, and high product throughput.



COLD STORAGE

Refrigerated warehouse space is expensive. Maximizing storage density and product availability is necessary to keep storage costs down.

Advance Storage Products offers the heavy-duty structural steel rack products required in cold storage facilities including:

- Selective
- Pushback
- Drive in
- Drive through
- Pallet Flow
- Case Flow
- Carton Flow

Advance has worked with the largest cold storage companies in North America ensuring that each facility remains temperature controlled and safe. Some of Advance's cold storage clients:

- Americold Logistics
- Nordic Cold Storage
- Lineage Logistics
- Henningsen Cold Storage
- U.S Cold Storage



The Advance team will work closely with you to understand your needs and provide the most cost efficient solution for you, from design through installation.

FOOD & BEVERAGE DISTRIBUTION

Optimal food and beverage distribution relies on managing the warehouse to control inventory and minimize spoilage. Advance Storage Products has worked with hundreds of food and beverage distributors to maximize storage as well as provide easy access to products.



Storage rack products used in food and beverage distribution centers include:

- Selective
- Pushback
- Drive In/ 2Wide Drive In
- Pallet Flow
- Case or Carton Flow
- Pick Tunnels



Some of Advance's food and beverage customers:

- Republic National Distribution
- Golden State Foods
- US Foods
- Tyson Foods



Advance engineers build each rack system project to meet your needs from design through installation.

GROCERY

Grocery distribution centers require easy access to products that can be quickly moved to the loading dock and put on trucks for transporting to individual stores. SKU turnaround is vital in the grocery supply chain.

Advance Storage Products sold its first Pushback system to Ralph's Grocery in 1989. Since then, Advance has completed thousands of projects for the largest grocery chains in North America.

Storage rack products used in grocery distribution centers include:

- Selective (single deep, double deep)
- Pushback
- Drive In / 2Wide Drive In
- Pallet Flow
- Case or Carton Flow
- Pick Tunnels

Some of Advance's grocery customers:

- Albertsons
- Publix
- H.E.B.
- Kroger



Advance engineers build each rack system project to meet your needs, from design through installation.

TESTIMONIALS



HEB

Bradley Alm, Director of MWT Facilities and New Business Delivery

"I have confidence in Advance—confidence that I'm going to get quality, confidence that they're going to communicate and deliver and confidence that they are going to commit enough to understand my business so that we know we are doing the right thing."



DACO Corporation

Eric Anderson, Territory Manager

"The number one reason I buy from Advance is my relationship with the people, the quality of the product, and the attention to detail."



Meyer Material Handling

John Calkins, VP of Sales

"Their product is hands-down the best from a longevity standpoint. Everything about the way their system works is bulletproof. Advance is trustworthy and dependable."



Unified Grocers

Larry Young, Director Southern California Distribution

"Advance is very reliable. They're dependable and timely, and easy to work with."



US Foods

Lee Ott, Regional Director

"Advance has the best customer service and quality. I get the same service from my sales rep and his team on every single project."



Tippmann Group

Ron Kozicki, VP System Engineering

"The number one reason I buy from Advance is quality. Advance is very good about building the rack to our standards."