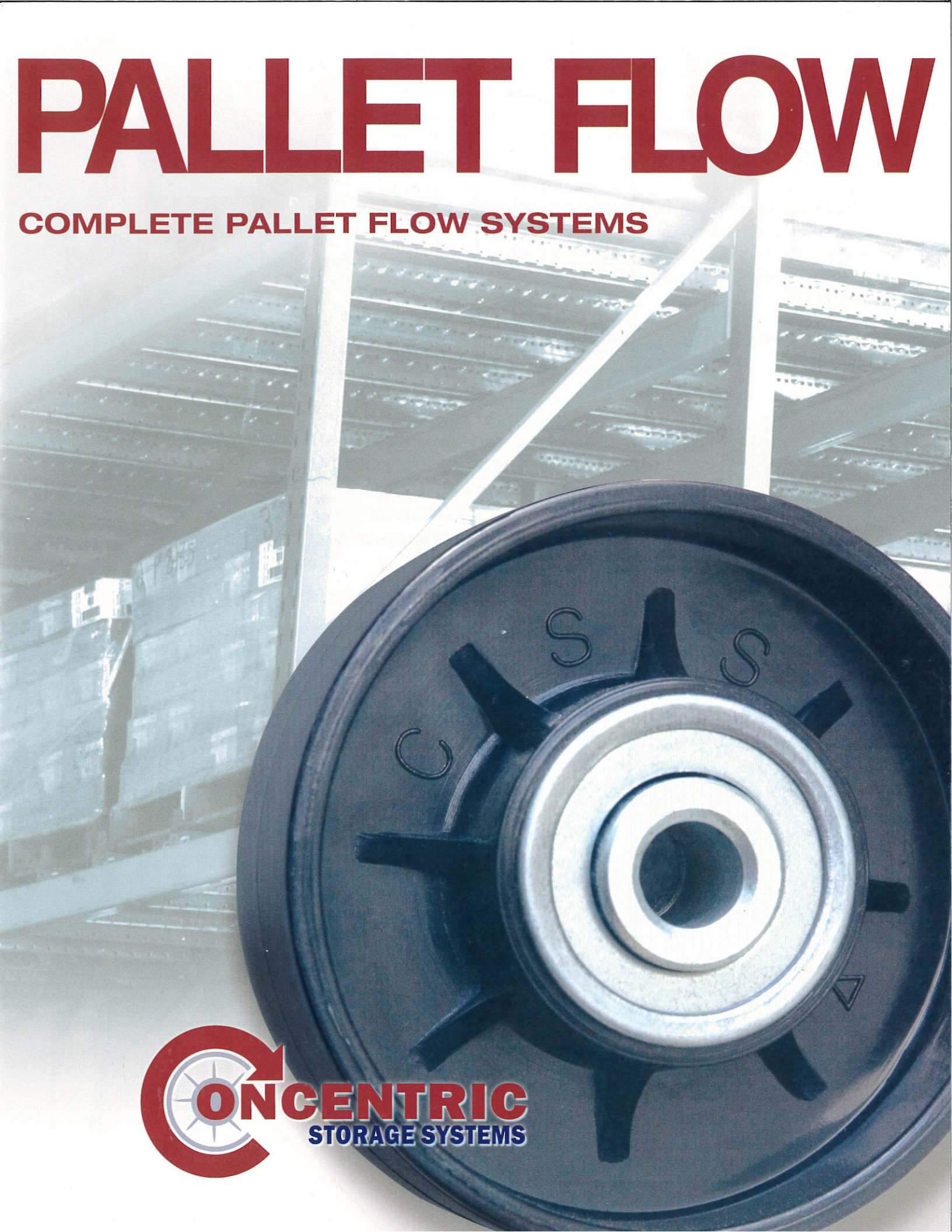
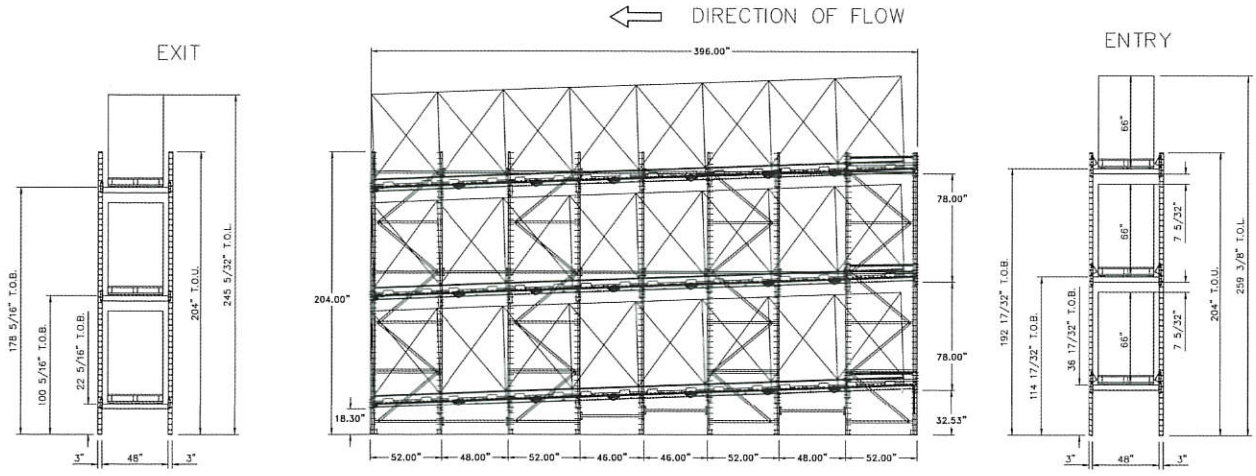
PALLET FLOW

COMPLETE PALLET FLOW SYSTEMS



CONCENTRIC
STORAGE SYSTEMS

Pallet Flow Systems



FIFO Deep Flow

Product Flow

Steel Roller

Give Your Warehouse Operation a Performance Makeover

Concentric Storage Systems designs and manufactures pallet flow systems that are efficient and cost-effective, while limiting product damage and supporting warehouse safety. Innovative products result in a superior design that optimizes flow capabilities and provides efficient space utilization by eliminating unnecessary aisles.

- Provides greater inventory control, FIFO and LIFO
- Reduces labor and equipment costs
- Allows for future growth
- Increases storage space from 30% to 100%
- Limits product damage and spoilage
- Improves product turnaround time
- Increases overall productivity

Additional custom flow solutions include:

- FIFO Pallet Flow Systems up to 5,000 lb. capacity
- LIFO Push Back Systems
- Pick Modules
- Patented Palletless UniversALL™ Slip Sheet Systems
- Steel Roller Systems
- Patented Dura-Flo™ Carton Flow Systems

Concentric Storage Systems provides application analysis, design and engineering, testing and expert installation.

Visit www.concentrictorage.com

Pallet Flow Tracks For Improved Productivity

Concentric Storage Systems offers a full range of pallet flow tracks to meet multiple applications in pallet movement and storage with load capacity ratings from 100 to 5,000 lbs. Track channels are available in multiple gauges and utilize plastic wheels on 2, 3 or 4" centers to meet your system flow requirements.

Brakes and Brake Tracks

Speed controllers are manufactured from high-strength, glass-reinforced engineered resins with molded-in metal reinforcements in all high-stress areas. Permanently lubricated with a special high/low temperature lubricant, ensures speed controllers require no further maintenance.

- Factory installed
- Patented cantilever wheel support design
- Specially engineered resin wheels
- Load support in the braking zone

Plastic Wheels

Plastic wheels are manufactured from specially engineered resins to meet the demanding requirements of pallet flow and storage. Every high-impact, high-strength wheel design has been rigorously tested for maximum performance in your specific warehouse environment. Available with sealed bearings for cooler conditions.

Steel Rollers

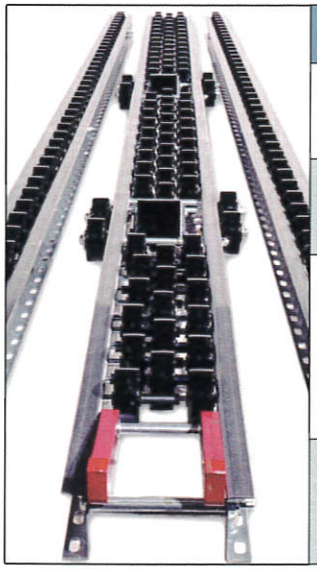
Our 1.9" diameter x 1.125" wide surface FreeWheelers™ provide exceptional flow in light to moderate applications, even in wash-down environments.

Gravity steel roller systems function in most environments, even temperatures down to -40° F degrees. Rollers are available in galvanized or oil finish and provide an excellent rolling surface for:

- Plastic pallets
- Skids
- Wire baskets
- Slip sheets
- Corrugated skids
- Plastic returnable shipping containers
- Odd size pallets

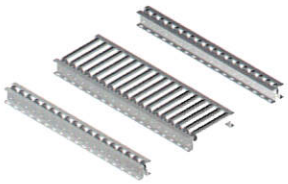
Factory-installed brakes are used for speed control in deep lane systems.

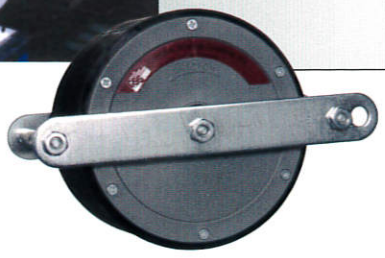
Pallet Flow Track Comparison

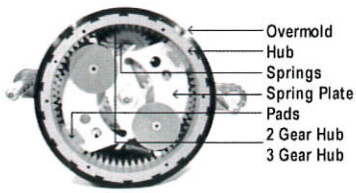


Description	Application	Load Capacity	Characteristics
FreeWheeler™ Tracks *Light to moderate loads*	Ideal for pick systems, push back and empty pallet return.	100 to 2,000 lbs.	Utilizes bearing and bearingless patented FreeWheeler™ wheels. Better flow and capacity because wider wheel width and 5/16" axles when compared to steel skate wheels.
Plastic Wheel Track *Moderate to heavy pallet flow*	For industrial production and distribution pallet storage environment.	500 to 5,000 lbs.	Wheel patterns can be designed inline or staggered on 2-, 3- or 4-inch centers, use the bearingless and bearing 2.87" diameter plastic wheel.
Brake Track *Moderate to heavy pallet flow*	Used in moderate to heavy pallet flow applications for industrial production and distribution pallet storage environment.	1,000 to 5,000 lbs.	Patented cantilever-designed for superior pallet support, track allows for variety of pallets to flow, including GMA, Plastic, Euro, Slave and boxes. Wheel pattern can be designed inline or staggered on 2-, 3- or 4-inch center configurations. Can be used in double and triple configurations for heavier pallets.
Steel Roller *Light to heavy pallet flow*	Used in applications where pallets have inconsistent bottom surface, plastic pallets. Ideal for slip sheet flow.	Up to 5,000 lbs.	Steel rollers in single, double and triple track configurations are available depending on requirements.

Pallet Flow Specifications

Wheels	Application	Load Capacity	Dia.	Width	Characteristics
Bearingless Plastic Wheel *Light flow applications*	• pick modules • wash-down environments • heavy impact areas	580 lbs. per wheel	2.87"	1.375"	Material: polycarbonate alloy resin; reinforced rib design; high strength and significant impact resistance.
Bearing Plastic Wheel Standard or Sealed *Moderate to heavy flow*	• FIFO • push back • pick modules • empty return lanes	320 lbs. per wheel	2.87"	1.375"	Material: polycarbonate alloy resin; specially engineered resins, reinforced rib design, two bearings provide excellent rolling characteristics, sealed bearing where environment is a concern.
FreeWheeler™ (Bearingless) *Patented design for light flow applications*	• pick modules • push back • wash-down • empty pallet return	LD 50 lbs. HD 225 lbs. per wheel	1.9"	1.125"	Material: specially-developed, low-friction resin; wide surface provides superior flow over conventional steel skate wheels.
FreeWheeler™ (Bearing wheel) *Patented design for light flow applications*	• pick modules • push back • empty pallet return	125 lbs. per wheel	1.9"	1.125"	Material: polycarbonate alloy resin; reinforced rib design, two bearings and wide surface provide superior flow over conventional steel skate wheels.
 **Steel Roller**	• FIFO • LIFO systems • plastic/multiple pallets or slip sheets	200 lbs. per roller	1.9" or 2.5"	1.9" or 2.5"	Widths: 4.25 to 60 inches, Single-, two- or three-track roller systems in 12 to 16 gauge galvanized or plain steel. Sealed bearings are optional.
Speed Controller/Brake *Light, moderate and heavy Flow*	Provides speed control in steel roller and plastic wheel pallet flow systems.	Centrifugal brake plate, rotated by a two-stage planetary gear mechanism. Outer hub features a polyurethane over mold that provides high friction contact with the pallet. Inner brake construction from engineered high-strength resins and galvanized metal to ensure maintenance free, maximum durability and long service life.			





CONCENTRIC STORAGE SYSTEMS

CONCENTRIC STORAGE SYSTEMS, INC.

Phone 770-514-0711
Fax 770-514-0622
E-mail innovation@concentricstorage.com