

PALLET FLOW

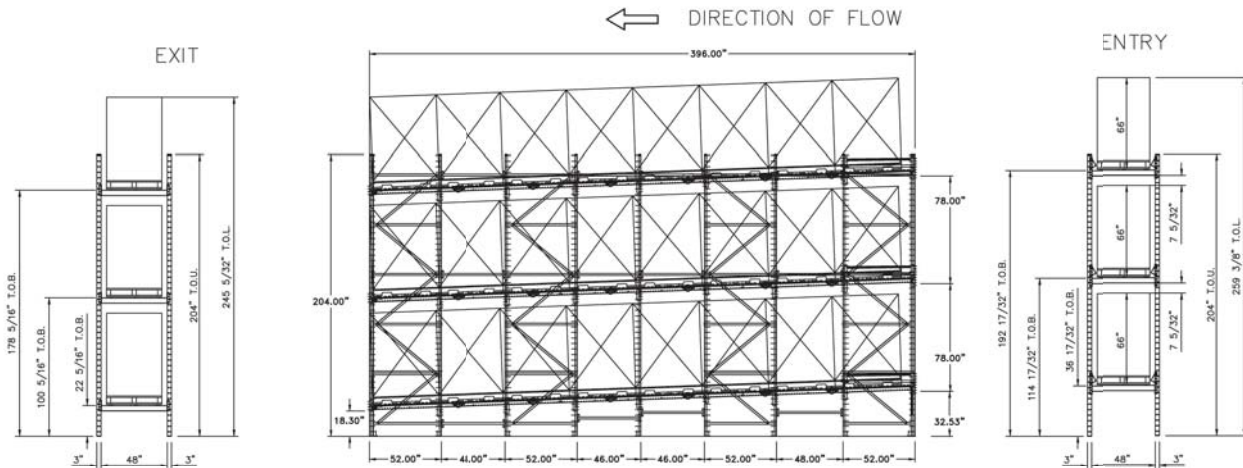
PALLET FLOW SYSTEMS



CREATIVE STORAGE SYSTEMS

create. innovate. perform.

Pallet Flow Systems



"We Know Gravity"

Our knowledge of gravity and how to use it as a natural source of power creates material handling systems that are efficient and cost effective, while limiting product damage and supporting warehouse safety. We understand the complexities of gravitational force and resistance, and incorporate this knowledge into our components resulting in a superior design that optimizes flow capabilities.



Unique Approach. Unique Design.

CSS offers unique approaches to Pallet Storage Systems that utilize our patented components such as the "FreeWheeler™" technology.



Performance.

Our Pallet Systems are proven and reliable, backed by on-going customer service that is with you from the first contact through installation and the life of the system.



Your Needs

Pallet Flow Systems?

- High number of pallets
- FIFO protects dated products
- Key SKUs with high volume

Special Environment?

- Damp or wet
- Freezer or cold
- Dirt or dust

Creative Storage Systems designs solutions based on the needs of the customer. No job is routine. Each represents unique requirements.

Push Back Systems?

- Reduces aisles, saves floor space
- LIFO for non-date sensitive products
- Depths of seven or more pallets

Pallets?

- Type
 - Plastic
 - Wood
 - Slip sheet
- Weight
- Size

Pick Systems?

- FIFO
- Pick product directly from pallets
- Faster, more efficient order fulfillment

PLASTIC WHEELS

- High impact engineered plastic resin for durable strength
- Designed for variety of environments
- Maximum performance in all applications

BRAKES

- Speed controllers for different pallet weights
- Plastic wheel and steel roller applications
- Specially developed and reinforced materials for strength and durability



TRACKS

- Channels designed to provide superior strength
- Available in multiple gauges
- Utilizes plastic wheels on 2-, 3- or 4" centers as required by needs

The CSS Solution



STEEL ROLLERS

- Provides excellent rolling surface for all pallets
- Utilized CSS Brakes for speed control
- Supports operations in multiple environments, and temperatures as low as -40° F degrees

FREEWHEELER™

- Superior performance over steel skate wheels
- 1.9" wheels provide exceptional flow
- High impact wheels with inherent lubricant
- Operates in wash down environment



BRAKE TRACKS

- Features CSS high performance brake with CSS plastic wheels
- Cantilever design to protect and enhance brake performance



FIFO Deep Flow



Push Back



Steel Roller

Pallet Flow Specifications

Item	Application	Characteristics
Bearingless Plastic Wheel	Transit speed control, light flow applications, pick modules, wash-down environments, heavy impact areas.	Load Capacity: 580 lbs. per wheel; diameter 2.87", width 1.125". Material: polycarbonate alloy; reinforced rib design; high strength and significant impact resistance.
Bearing Plastic Wheel; Standard, Sealed	Moderate to heavy flow applications including pick modules, FIFO, push back and empty return lanes.	Load Capacity: 320 lbs. per wheel; diameter: 2.87", width: 1.125". Material: polycarbonate alloy; reinforced rib design, two bearings provide excellent rolling characteristics, sealed bearing where environment is a concern.
Freezer Wheel	Extreme cold temperatures, moderate to heavy flow applications including pick modules, FIFO, push back and empty return lanes.	Load Capacity: 320 lbs. per wheel; diameter 2.87", width 1.125". Material: specially developed resin that withstands impact in extreme cold environment.
FreeWheeler™	Pick modules, push back, wash-down and empty pallet return.	Load Capacity: 225 lbs. per wheel; diameter 1.9", width 1". Material: specially developed low friction resin; wide surface provides superior flow over conventional steel skate wheels.
FreeWheeler™ (Bearing wheel)	Pick modules, push back, light flow applications and empty pallet return.	Load Capacity: 125 lbs. per wheel; diameter 1.9", width 1". Material: polycarbonate alloy; reinforced rib design, two bearings and wide surface provide superior flow over conventional steel skate wheels.
Steel Roller	FIFO and LIFO systems handling plastic pallets, multiple pallets or slip sheets.	Load Capacity: 200 lbs. per roller; diameter 1.9", length from 4.25 to 60 inches. Offered in galvanized or plain steel, 12 to 16 gauge wall thickness.
Speed Controller	Speed control in steel roller and plastic wheel pallet flow systems.	Design: a centrifugal brake plate, rotated by two-stage planetary gear mechanism. The outer hub of the mechanism has polyurethane over mold that ensures high friction contact with the pallet. Other construction materials are engineered high strength resins for all moving parts and galvanized metal hardware. All materials were selected to ensure maximum durability and reliability of the unit. The brake is maintenance free.
SYSTEMS		
Plastic Wheel Track	Used in moderate to heavy pallet flow applications for industrial production & distribution pallet storage environment.	Wheel patterns can be designed inline or staggered on 2-, 3- or 4-inch centers, use the bearingless and bearing 2.78" diameter plastic wheel.
Brake Track	Used in moderate to heavy pallet flow applications for industrial production & distribution pallet storage environment.	Employs patented cantilever-designed mount for pallet support, track allows for variety of pallets to flow. Wheel pattern can be designed inline or staggered on 2-, 3- or 4-inch center configuration. Can be used in double and triple configurations for heavier pallets.
FreeWheeler™ Tracks	Ideal for pick systems, push back and empty pallet return. Light to moderate loads.	Utilizes bearing and bearingless FreeWheeler™ wheels. Better flow and capacity because wider wheel width and 5/16" axles when compared to steel skate wheels.
Steel Roller	Used in light to heavy pallet flow applications where pallets have inconsistent bottom surface, plastic pallets. Great for slip sheet flow.	Steel rollers in single, double and triple track configurations are available depending on requirements.



CREATIVE STORAGE SYSTEMS

Creative Storage Systems, Inc.

2700 Barrett Lakes Boulevard
Suite 500
Kennesaw, GA 30144

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

create. innovate. perform.

www.creativestorage.com