



B.I. BROOKS AND SONS, INC.
Material Handling Systems

Pallet Flow Systems

**Designs to Maximize the Storage Area
Efficiently Convey the Pallet Loads
Designed for Each Specific Type of Pallet**



*... taking care of our customer's material handling needs based
on trust and fairness*

in business since 1959

www.bibrooks.com

Series 19™

DeepFlo® Series 19® is a medium duty flow rail designed for flow trough storage systems capable of handling pallet loads over 2,000 lbs.



Flow wheels are zinc-plated, 1.9" diameter with a 5/8" crowned face. Load bearing capacity is conservatively rated at 100lbs. static. Inner and outer bearing races are hardened and pre-lubricated for operation in temperatures ranging from 150 degrees F to -30 Degrees F. Standard channels are 2-1/2" high x 1" flange x 12 gauge galvanized steel. On special order a heavy duty 4-1/4" high x 1" flange x 12 gauge galvanized channel can be provided.

Series 30™

30 Series - Series 30 rails are specifically design to accommodate GMA type pallets. When incorporated in a complete system, series 30 rails are capable of storing over (25) GMA pallets deep per came in a FIFO configuration. The number of flow rails required under each pallet depends on:



- a) pallet weight
- b) bottom boards surface
- c) type of bottom boards (hard surfaced or soft wood)
- d) bottom board thickness

When typical GMA pallets are used standard rail configurations can be used:

- a) 200# - 2,000# per pallet - (2) rails
- b) 2,000# - 2,800# per pallet - (3) rails
- c) 2,800# - 3,500# per pallet (4) rails

If weights fall between two ranges other pallet and load conditions will be reviewed to assist in selecting the proper rail configuration.

Different pallet weights, within a given range, can be stored in the same one.

Series 45™

Roller Flow

45 Series - Series 45 rails are specifically design to accommodate all types of pallets. When incorporated in a complete system, series 45 rails are capable of storing over (25) GMA pallets deep per lane in a FIFO configuration.

The number of flow rails required under each pallet depends on:

- pallet weight
- bottom boards surface
- type of bottom boards, hard surfaced or soft wood
- bottom board thickness



When typical GMA pallets are used standard rail configurations can be used:

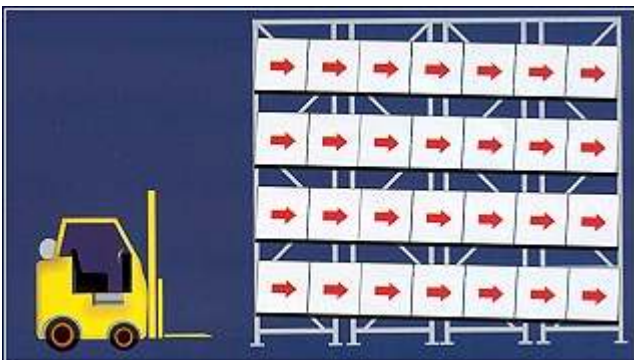
- 200# - 2,000# per pallet - (2) rails
- 2,000# - 2,800# per pallet - (3) rails
- 2,800# - 3,500# per pallet (4) rails

If weights fall between two ranges other pallet and load conditions will be reviewed to assist in selecting the proper rail configuration.

Different pallet weights, within a given range, can be stored in the same lane.

Gravity Flow Systems

Advantages of High Density Storage



Pallet Flow Systems

- Lower Labor Costs and Space Saving
- Increased SKU organization & facing
- First-In, First-Out operation
- Increased throughput
- Less product damage
- Ergonomic design
- Less traffic congestion
- Reduced equipment and energy costs

Pushback Storage Systems are also a good way to have high density storage and have the following benefits:

- Only one aisle is needed to store and retrieve the pallets
- First-In, Last-Out is desired
- Only a 4 or 6 deep storage system is needed
- Condensed storage area

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