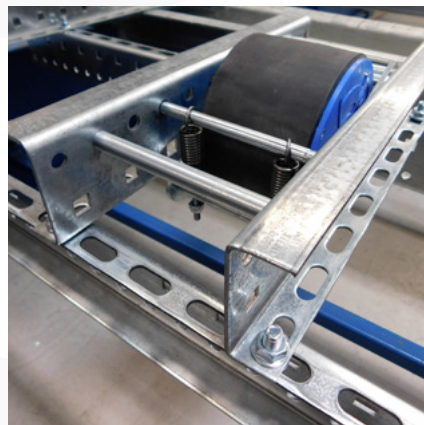
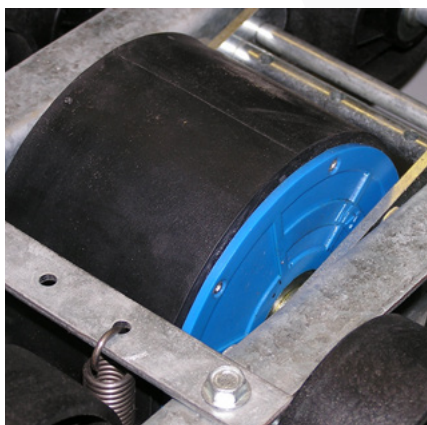




MALLARD
MANUFACTURING
YOUR GRAVITY FLOW SPECIALISTS



Pallet Flow Speed Controllers

FOR EVERY CAPACITY, ENVIRONMENT, PRODUCT AND PITCH... WE'VE GOT IT COVERED

CONSISTENT PRODUCT FLOW EVERY TIME WITH MALLARD PALLET FLOW SPEED CONTROLLERS

Mallard speed controllers ensure safe advancement of the pallet load down the pallet flow lane for all items from lightweight containers to 3,000 lb., multi-level pallets. Similar to an automotive “shoe” brake – as the pallet picks up speed advancing down the lane, the internal gearing forces the brake pads against the inner surface of the brake hub to slow the pallet, or container, to a safe speed.

Mallard speed controllers also provide necessary pallet flow guidance. By controlling the speed, pallets stay centered in the lane for reliable, steady pallet flow tracking. As with all Mallard gravity flow products, speed controllers require no external power source. To ensure a long, productive product life, our speed controllers are tested to 80,000 cycles.

Typically speed controllers are mounted at a single pallet interval, but ideal spacing is best determined by testing of actual pallet and load in our in-house testing lab.

Benefits of Mallard Speed Controllers:

- Ensure consistent, controlled load speed
- Maximize pallet flow lane safety
- Provide pallet load tracking within the lane
- Customizable for a variety of applications
- Durable construction for tough, long-term use



DROP-IN SPEED CONTROLLERS

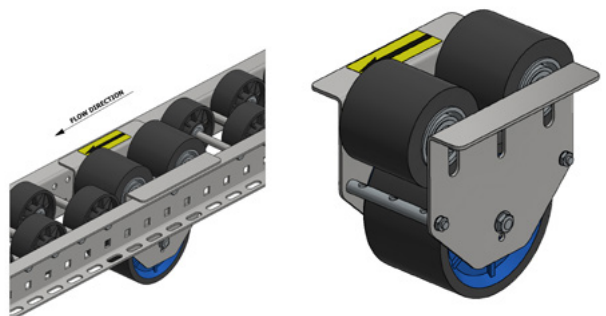
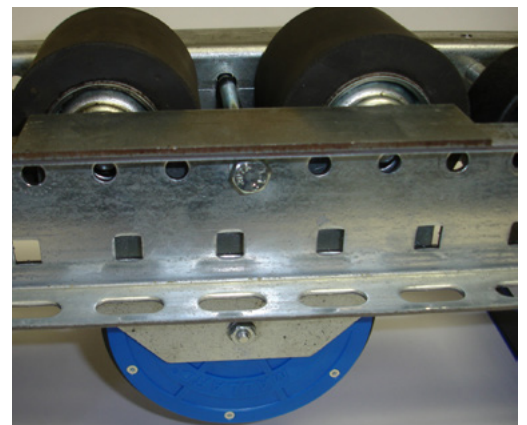
Mallard drop-in speed controllers can be installed on-site for all wheeled tracks and narrow roller track applications. Our most popular controller type, drop-in assembly is quick and easy, requiring minimal hardware.

Advantages:

- Drop-in design allows quick installation and replacement
- Ensures consistent, safe pallet flow speed
- Helps pallets track properly down the lane
- Durable construction – designed, manufactured and tested to last
- Ideal for freezer applications
- Doubles the braking surface vs. direct mount, making it more effective

Specifications:

- Designed for use with Magnum, skate wheel and narrow roller pallet flow systems
- Available in light, medium and heavy duty options
- Weight variance of 1500#



DIRECT MOUNT SPEED CONTROLLER

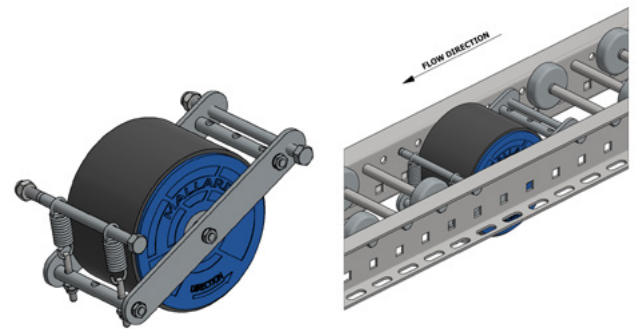
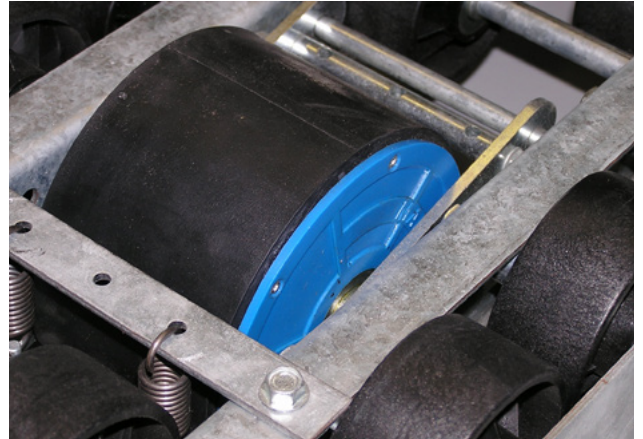
Direct mount speed controllers are top mounted for immediate contact with the load and compatible with most wheel and roller track types: Magnum, skate wheel and split roller pallet flow. Direct mount speed controllers are used most often for floor-mounted and low profile pallet flow rack systems.

Advantages:

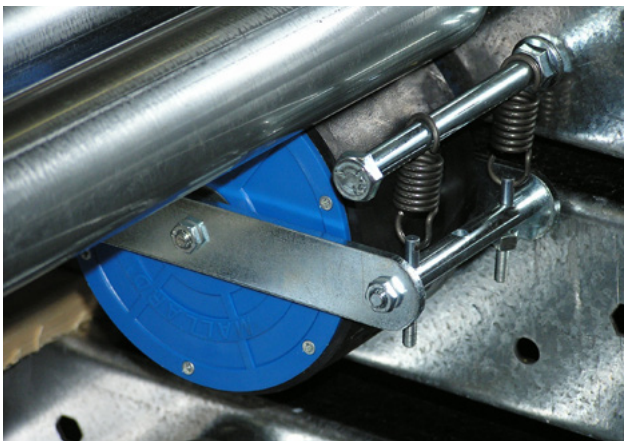
- Ensures consistent, safe pallet flow speed
- Helps pallets track properly down the lane
- Works with most pallet flow types & capacities
- Ideal for freezer applications
- Durable construction – designed, manufactured and tested to last in tough warehouse environments

Specifications:

- Available in light, medium and heavy duty options
- Load weight variance is approximately 800#
- Used for Magnum, skate wheel, and 4"BF split roller pallet flow



INDIRECT MOUNT SPEED CONTROLLERS



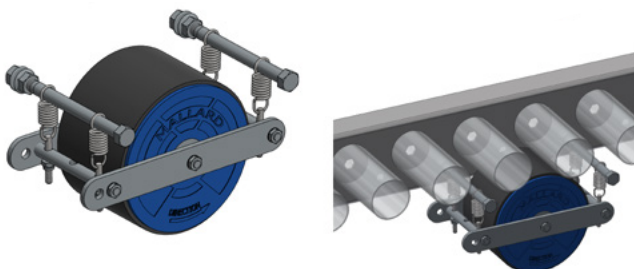
Indirect mount speed controllers are mounted underneath full roller pallet flow systems and are preferred in many cases because they do not make direct contact with the load. Indirect mounting is not recommended for use with steel containers or pallets with steel-bottom runners because of potential skidding of pallet over conveyor rollers.

Advantages:

- Ensures consistent, safe pallet flow speed
- Helps pallets track properly down the lane
- Durable construction - designed and manufactured to last
- Ideal for freezer applications

Specifications:

- Designed for full roller pallet flow
- Compatible with conventional gravity conveyor
- Available in light, medium and heavy duty options
- Can be used for roller centers up to 5"
- Note: anything greater than 4" requires additional rollers
- Installed with 2/3/4" centers



ABMA SPEED CONTROLLERS

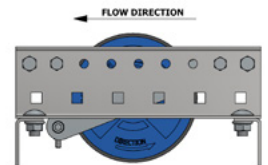
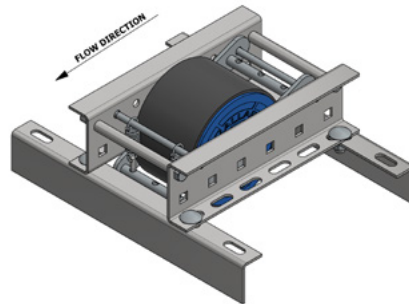
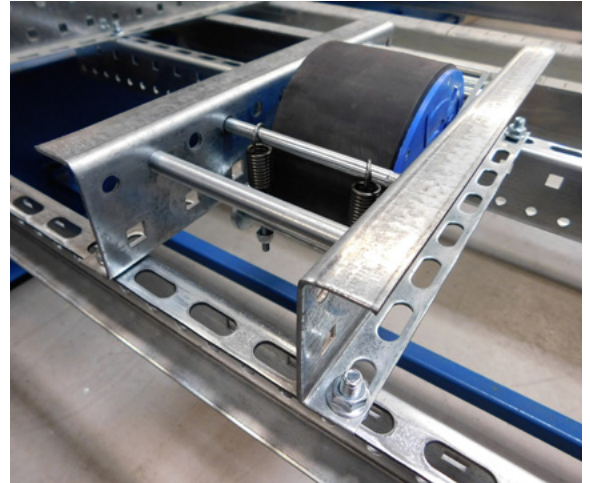
The ABMA is a drop-in speed controller used in retrofit applications. The controller can be installed easily into existing systems that may require additional control for pallets flowing too fast or out of control.

Advantages:

- Ideal for existing pallet flow applications
- Can be mounted in almost any position
- Can be relocated to change pallet speed/effectiveness
- Helps maintain consistent pallet speed
- Tracks pallet properly down the lane

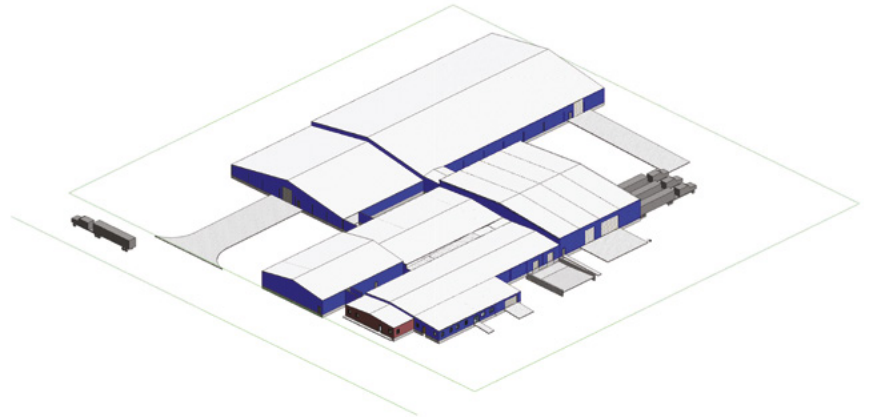
Specifications:

- Works with Magnum, IE, skate wheel
- Can be mounted drop-in, or direct
- Works with (2) rail systems for light loads
- Bolts into existing pallet flow rails
- Easily field installed
- Available in light, medium and heavy duty options



Challenges Met – Problems Solved!

Mallard is the leading resource for quality engineered **Pallet Flow, Carton Flow and Gravity Conveyor** for manufacturing and distribution facilities worldwide. We support an extensive integrator and distributor network providing value-added engineering, product testing and sales support from our recently expanded 150,000 sq. ft. production facility in Sterling, Illinois.



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