

Side Guide Rollers



The Argonics Side Guide Roller is designed to help maintain proper conveyor belt tracking and alignment while reducing the risk of belt edge damage. Its profiled urethane surface provides effective guidance when lateral belt movement occurs, helping keep the belt along its intended path.

Built for use in bulk material handling applications, the roller combines durable polyurethane construction with a rotating contact surface that helps minimize friction between the moving belt and surrounding conveyor structures.



FUNCTIONALITY AND DESIGN

Side guide rollers help control lateral belt movement by providing a rolling contact point along the conveyor belt edge. When the belt shifts from its intended path, the roller rotates upon contact, helping guide the belt while reducing direct friction against stationary conveyor components.

The profiled surface is designed for effective steering, helping maintain belt alignment and reducing the potential for edge wear, material spillage, and operational disruptions associated with belt mistracking.

FEATURES & BENEFITS

- **Durable Urethane Construction**
Provides a wear-resistant contact surface designed to withstand repeated belt contact in demanding conveyor environments.
- **Effective Belt Guidance**
The profiled roller surface helps control lateral belt movement and guide the belt along its intended path.
- **Reduced Belt Edge Wear**
Rolling contact helps minimize friction and potential damage caused by belt contact with conveyor structures.
- **Dual-Bearing Design**
Two bearings support smooth roller rotation and consistent performance during belt contact.
- **Protected Internal Components**
A custom seal helps protect the bearing assembly from dust, debris, and contaminants commonly encountered in bulk material handling applications.
- **Straightforward Replacement**
Supplied as a complete assembly for convenient replacement of existing side guide rollers.

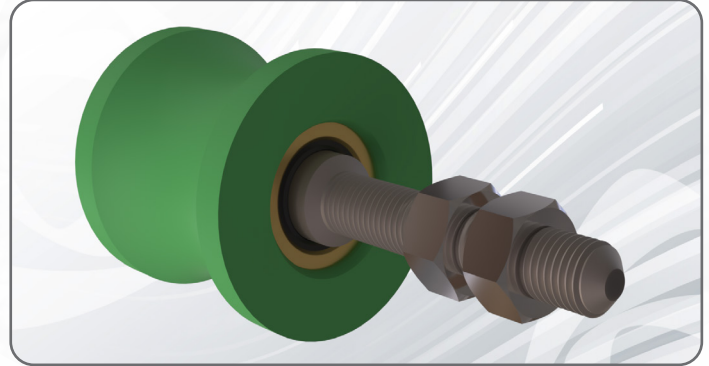
CONSTRUCTION & DESIGN

The Argonics Side Guide Roller combines a profiled urethane body with carefully selected internal components to provide reliable belt guidance. Its construction is designed to withstand repeated contact with moving conveyor belts while supporting smooth roller rotation.



Profiled Urethane Roller

The wear-resistant urethane body provides a durable, nonmetallic contact surface for the conveyor belt edge. Its profiled shape is designed for effective belt steering while helping minimize wear associated with contact against rigid metal components.



Dual Bearings

Two bearings support the roller's rotating assembly, allowing the urethane body to turn during belt contact. The bearing arrangement provides rotational support for consistent guide roller operation.

Zinc-Plated Steel Shaft

The steel shaft provides structural support and a mounting connection for the roller assembly. Zinc plating adds a layer of corrosion resistance, helping protect the shaft in industrial environments.

Custom Sealing System

A custom seal helps protect internal bearing components from dust and debris encountered in industrial conveyor applications, reducing exposure to contaminants that can affect bearing operation.

AREAS OF USE

Side guide rollers are commonly used at locations throughout conveyor systems where lateral belt movement may occur. They provide an additional point of belt guidance, particularly in areas where the belt is susceptible to drifting toward conveyor structures.

- Near the tail and drive pulleys
- At loading and unloading zones
- Before and after direction changes
- Long, straight sections
- Inclined or declined sections
- Transition points, areas of high belt tension

REPLACEMENT & AVAILABILITY

The Argonics Side Guide Roller is intended as a replacement for existing guide roller assemblies on conveyor systems. Available in a 4" configuration, the roller is supplied exclusively as a complete assembly, incorporating the urethane roller, bearings, custom seal, and zinc-plated steel shaft. This provides a practical replacement option for maintaining existing conveyor belt guidance systems.



520 9th Street • Gwinn, MI 49841
906.226.9747 f: 906.226.9779
www.argonics.com