

**CONVEYOR ROLLERS**

## CARRYING ROLLER

A carrying idler roller is a key component of a conveyor system, designed to support the weight of the conveyor belt and the material being transported. It helps maintain the belt's shape and alignment, ensuring smooth movement.



### Carrying Idler Roller

#### APPLICATION

Carrying idler rollers are widely used in conveyor belt systems across various industries like Mining & Quarrying, Cement & Construction Industry, Power Plants, Steel & Metal Processing, Food & Agriculture, Logistics & Warehousing, Chemical & Fertilizer Industry, Recycling & Waste Management. Their primary function is to support the conveyor belt and transport materials efficiently.

#### Features & Benefits of Carrying Rollers

- **High Load Capacity** – Designed for heavy-duty industrial applications.
- **Corrosion & Wear Resistance** – Made from galvanized steel, stainless steel, or coated materials.
- **Smooth Operation** – Low-friction bearings ensure energy efficiency.
- **Customizable Sizes** – Available in various diameters and lengths.
- **Easy Installation & Maintenance** – Designed for quick replacement and low maintenance.

**SIZE:** 89 DIA / 20 DIA, 114 DIA / 20 DIA

**BELT WIDTH (MM)** – 500, 600, 650, 750, 800, 900, 1000, 1200

**PIPE Length** – 200 (L), 235 (L), 250 (L), 290 (L), 315 (L), 350 (L),  
380 (L), 465 (L)

## IMPACT ROLLER

The Conveyor Impact Idler Roller is used to absorb the shock of loaded material from the chute at the loading and transfer point, so as to protect the belt from damage or deterioration.



**Impact Idler Roller**

### APPLICATION

A Conveyor Impact roller is used for receiving material of belt conveyor to reduce and slow impact for conveyor belt, mainly designed for coal washing plants, coking plants, chemical plants, and other corrosive environments. They play a crucial role in protecting the conveyor belt and other components from damage caused by the impact of heavy or large materials.

### Features & Benefits of Impact Rollers

- **Shock Absorption** – Protects belts from high-impact forces.
- **Extended Belt Life** – Prevents cuts, tears, and excessive wear.
- **Corrosion & Abrasion Resistant** – Available in rubber or polyurethane for harsh environments.
- **Customizable Sizes** – Designed for various belt widths and load capacities.
- **Low Maintenance** – Durable materials reduce frequent replacements.

**SIZE:** 76 DIA / 127 DIA, 89 DIA / 150 DIA

**BELT WIDTH (MM)** – 500, 600, 650, 750, 800, 900, 1000, 1200

**PIPE Length** – 200 (L) 235 (L) 250 (L) 290 (L) 315 (L) 350 (L) 380(L)

## RETURN ROLLER

A return roller is a key component in conveyor systems, designed to support the return side (underside) of the conveyor belt after it has transported materials. These rollers help reduce belt sagging, minimize friction, and extend belt life.



### Return Idler Roller with Brackets

#### APPLICATION

Return rollers are essential for supporting the return (underside) side of the conveyor belt in various industries. They help maintain belt alignment, reduce sagging, and prevent excessive wear and tear. Here are some key applications: Mining & Quarrying, Cement & Construction Industry, Power Plants (Thermal & Renewable Energy), Steel, Iron, and Metal Processing, Agriculture & Food Industry, Logistics & Warehousing, Chemical & Fertilizer Industry, Recycling & Waste Management.

#### Features & Benefits of Return Rollers

- **Prevents Belt Sagging** – Supports the return belt, preventing unnecessary wear.
- **Reduces Material Buildup** – Special designs (rubber disc, spiral) keep belts clean.
- **Durable & Low Maintenance** – Made from galvanized steel, stainless steel, or coated materials.
- **Customizable Sizes** – Available for different belt widths and load capacities.
- **Improves Conveyor Efficiency** – Ensures smooth belt operation with reduced downtime.

SIZE: 89 DIA / 20 DIA, 114 DIA / 20 DIA

BELT WIDTH (MM) – 500, 600, 650, 750, 800, 900, 1000, 1200

PIPE Length – 600 (L), 700 (L), 750 (L), 800 (L), 950 (L), 1050 (L), 1150 (L)

## DRUM PULLEY

A drum pulley is a key component in conveyor belt systems, designed to drive, redirect, or tension the belt. It is a cylindrical component mounted on the drive or tail end of a conveyor system, helping to transmit power and ensure smooth belt movement.



### DRUM PULLEY

#### APPLICATION

Drum pulleys play a crucial role in conveyor systems, providing motion, direction, and tension for the belt. They are widely used across various industries for transporting bulk materials and goods efficiently in Mining & Quarrying, Cement & Construction Industry, Power Plants (Thermal & Renewable Energy), Steel, Iron, and Metal Processing, Agriculture & Food Industry, Logistics & Warehousing, Chemical & Fertilizer Industry, Recycling & Waste Management.

#### Drum Pulley Features & Benefits

- **Durable Construction** – Made from mild steel, stainless steel, or aluminum.
- **Lagging Options** – Rubber, ceramic, or diamond lagging for better grip.
- **Corrosion Resistance** – Available in galvanized or coated finishes.
- **Customizable Sizes** – These can be designed for various belt widths and loads.
- **Reduces Belt Slippage** – Ensures smooth power transmission.

**AS PER REQUIREMENT AND BASED ON THE ROLLER SIZE WE WILL  
PROVIDE THE DRUM PULLEY COVERED WITH THE  
DIAMOND LAGGING SHEET**

## ROLLER FRAME

A conveyor roller frame is a structural component used to support and position conveyor rollers in a belt conveyor system. It provides stability, alignment, and durability to ensure smooth material transportation. These frames are designed to accommodate different types of rollers based on the conveyor's function and load requirements.



## CONVEYOR ROLLER FRAME

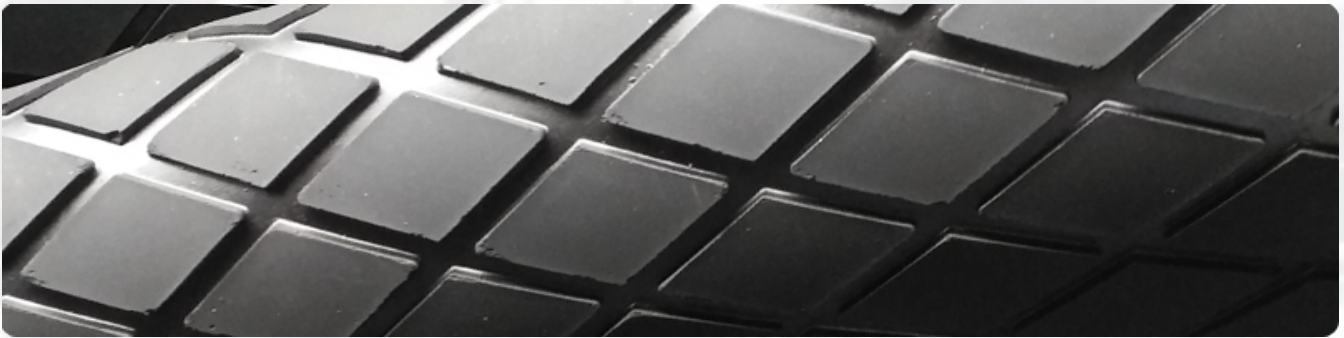
### APPLICATION

Conveyor roller frames are essential components in belt conveyor systems, providing support, alignment, and stability for conveyor rollers. They are used in various industries where bulk material handling or automated transportation is required in Mining & Quarrying, Cement & Construction Industry, Power Plants (Thermal & Renewable Energy), Steel, Iron, and Metal Processing, Agriculture & Food Industry, Logistics & Warehousing, Chemical & Fertilizer Industry, Recycling & Waste Management.

**AS PER REQUIREMENT AND BASED ON THE ROLLER SIZE WE WILL  
PROVIDE THE ROLLER FRAME**

## DIAMOND LAGGING SHEET

A diamond lagging sheet is a specialized rubber or ceramic sheet with a diamond-shaped pattern used to coat conveyor pulleys. It enhances belt grip, reduces slippage, and extends the lifespan of both the pulley and belt. These sheets are commonly used in heavy-duty conveyor applications where high traction and durability are required.



### DIAMOND LAGGING SHEET

- **Features:** Gutterless design for cleaner compatibility reduces belt vibration and cleaner chatter for standard applications with minimal slippage.
- **Applications:** To help eliminate slippage, increase Diamond life, and improve production.
- **Finish Type:** Diamond design Diamond lagging sheet
- **Standard Thickness:** 8MM, 10MM, 12MM
- **Standard Length:** 10 Mtrs, 33 Ft, 11 Yard
- **Standard Width:** 900MM, 1000MM, 1200MM, 1400MM, 1500MM
- **Color:** Black



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