Your Best Solution For Gates

CUSTOM
Not just one solution - The right Solution.
GATE Types
Custom offers six conveyor gate types with variations to suit every material handling need.

- **PE Slide Gate**
  Simple, effective, and low cost

- **Roller Slide Gate**
  Better sealing mid price range

- **Diverter Gate**
  Utilized on bifurcated chutes

- **Centrifuge Drain Gate**
  Diverts start up slop to drain

- **Drain Rail**
  Offers water flushing of seal area

- **Quad Seal Gate**
  Seals against hopper & silo high head
GATE Features

- All CUSTOM gates are of heavy duty design and construction.

- All rollers or bearings are out of product flow for long service life.

- All gates feature serviceable replaceable seals.

- All gates are designed so that any minor leakage is contained within the gate frame and discharges to the downstream conveyor or container.
PE Slide Gate
For conveyor to conveyor or storage

A low price range sealing slide gate.

Applications
Product transfer:
- Conveyor to conveyor
- Conveyor to storage
PE Slide Gate

Simple and Effective Design

- Long lasting UHMW polyethylene guides and seals
- Economical
- Our most widely utilized gate
Roller Slide Gate
For conveyor to conveyor or storage

A mid-price range tight sealing roller gate.

Applications
Product transfer:
- Conveyor to conveyor
- Conveyor to storage
Roller Slide Gate

Design

- Rollers/cam followers standard
- Neoprene rubber seals OR UHMWP seals
- Rack & Pinion or Acme thread stem design
- Rack & Pinion with side mount electric actuators reduce the gate footprint allowing the gates to be placed closer together than an Acme thread rising stem design (which takes 3x gate length).
Diverter Gate
For bifurcated chutes

A simple gate that diverts any product. For conveyor to conveyor transfer or container loading where vertical space is not limited. Bifurcated chutes are utilized often in redundant conveyor systems.

Applications
Product transfer:
- Conveyor to conveyor
- Conveyor to storage
Diverter Gate

Design

- Shaft supported by outboard bearing
- No seals required
- Many configurations possible
Centrifuge Drain Gate
For centrifuge start up diversion to drain

A specialty roller gate that when closed diverts centrifuge start up slop (low solids liquid) to a drain and when open allows dewatered solids to enter the conveyor.

Applications
Product transfer:
- Centrifuge to conveyor
- Where low solids liquid needs to be diverted or drained
Centrifuge Drain Gate

Design

- Rollers/cam followers standard
- Neoprene rubber seals
- Drain diameter size to suit centrifuge requirements.
- Gate blade angled 5° towards drain to facilitate flow.
Drain Rail Slide Gate
For conveyor to conveyor or storage

A high end range tight sealing roller gate. Internal drain rails flush seal area with water every cycle. Minimal leakage is confined within the gate frame (discharge area). It is ideal for low solids product and container loading areas where housekeeping is a high priority.

Applications
Product transfer:
- Conveyor to container loading
- Where leakage is a major concern
Drain Rail Slide Gate

Design

- Rollers/cam followers standard
- Neoprene rubber seals
- Flushed drain rail at end of, or all the way around gate blade.
- Excellent sealing capabilities.
Quad Seal Slide Gate
For high head applications

Our highest end sealing gate that is utilized primarily with dewatered sludge. It is ideal for container loading areas with high head pressure and where housekeeping is a high priority.

Applications
- Conveyor to container loading
- Under storage silo & hopper live bottoms

Home | PE Slide | Roller Slide | Diverter | Centrifuge Drain | Drain Rail | Quad Seal
Quad Seal Slide Gate

**Design**
- Rollers/cam followers standard
- Specially designed proprietary neoprene rubber J bulb seal
- Utilizes "blade ramping" to increase sealing capabilities.
- No drain required. Drain and flushing optional.
- High Leak-Resist sealing
GATE Options

- **Materials of Construction**
  - 304 stainless steel
  - 316 stainless steel
  - A36 carbon steel coated
  - Abrasion resistant liners
  - Low friction liners

- **Seals**
  - UHMW Polyethylene
  - Neoprene
  - CUSTOM Proprietary
  - J-Bulb seals

- **Sizes**
  - All standard CEMA troughs
  - Live bottom troughs
  - Special designs as required

- **Drives**
  - Rack and pinion
  - Acme thread
  - Piston rod (pneumatic)

- **Actuators**
  - Manual
  - Pneumatic
  - Electric