CEMA STANDARD · FOR 6"–24" SCREW CONVEYORS

# Slide Gates

Control flow at one or multiple screw conveyor discharges, hopper or silo outlets — or isolate equipment as a maintenance gate. Ideal for wood chips, grain, cornmeal, plastic regrind and many other powder bulk materials.

Pneumatic | Electric | Rack & Pinion | Rotary | Hand Slide



## Built to hold up in demanding service

**Plate seals**
Minimal leakage, even under a head load.

**Sealed bronze-bushed rollers**
Smooth, service-free operation for the life of the gate.

**Engineered sizing**
SCP's proprietary calculator sizes for material, head load and plate thickness.

**Your choice of steel**
Carbon steel standard; 304 and 316 stainless available.

## Five ways to actuate

### Pneumatic
2" or 2½" diameter air cylinder for automated open/close.

**Best for:** automated lines with plant air

### Electric
110V electric linear actuator — no plant air required.

**Best for:** automation without compressed air

### Rack & Pinion
Manual handwheel drive for precise positioning.

**Best for:** manual throttling, no utilities

### Rotary
Rotary actuator drive for automated open/close.

**Best for:** automated gates

### Hand Slide
Simple, economical manual slide for basic cut-off.

**Best for:** maintenance isolation, occasional use

**Need something special?** Custom sizes and rectangular openings, oversized actuators for hoppers and silos, high-temperature and abrasive-service seals, and controls for positioning — we'll engineer it.

**Sizes & options on back →**

# Slide Gate Options & Specifications

SCREW CONVEYOR PARTS

## Standard CEMA sizes

Pneumatic, electric, rack & pinion, rotary or hand slide

| 6" conveyor | 9" conveyor | 12" conveyor | 14" conveyor | 16" conveyor | 18" conveyor | 20" conveyor | 24" conveyor |
|---|---|---|---|---|---|---|---|
| **7" opening** | **10" opening** | **13" opening** | **15" opening** | **17" opening** | **19" opening** | **21" opening** | **25" opening** |

## Actuator options

### Pneumatic

- ✓ 2" dia. cylinder on 6"–14"
- ✓ 2½" dia. cylinder on 16"–24"
- ✓ Fast automated open/close
- ✓ Valve, switch & regulator add-ons

### Linear Electric

- ✓ 110V electric linear actuator
- ✓ No compressed air needed
- ✓ Positioning controls available

### Rack & Pinion

- ✓ Manual handwheel drive
- ✓ Precise, controlled positioning
- ✓ No air or power required

### Electric Rotary

- ✓ Rotary actuator drive
- ✓ Automated open/close
- ✓ Ideal for fast open and close

### Hand Slide

- ✓ Simple manual slide plate
- ✓ Economical cut-off
- ✓ Ideal for maintenance isolation

## Construction

Carbon steel standard, with 304 and 316 stainless steel available. Multiple slide plate seals available to keep leakage minimal under head load, and sealed bronze-bushed rollers deliver smooth, service-free travel.



**Custom gate example:** stainless steel slide gates with handwheel actuators, built to order.

## Pneumatic accessories

- 110VAC and 24VDC solenoid control valve kit
- Filter regulator
- Magnetic reed switches (pair), 110VAC/24VDC
- Full air kit plumbed and ready to use

## Custom & engineered

- Custom sizes & rectangular openings
- Oversized actuators for hoppers & silos
- Seals for high-temp & abrasive service
- Controls for positioning & open/close

**Request a slide gate quote**
screwconveyorparts.com

(800) 454-2169
GetHelp@ScrewConveyorParts.com