

Pin and Slide Gate Assembly is a Reliable Solution for Bulk Material Flow Control

Pin Gates for Manual Slide Gate Applications

Introduction

In many bulk material handling operations, shutting off flow from a hopper can be a challenge without hydraulic or electric power. Pin gates, installed above manually actuated slide gates, provide a simple and effective solution. By forcing heavy-duty pins through the material stream, the pin gate reduces the pressure on the slide gate, making it possible to operate manually. This design eliminates the need for costly power infrastructure while ensuring safe and reliable material control.

Features

Heavy-Duty Pin Design – Engineered pins are inserted one at a time into the material flow, gradually blocking discharge from the hopper.

Force-Driven Operation – Pins are manually forced into place, allowing them to cut through difficult flowing materials that would otherwise resist manual closure.

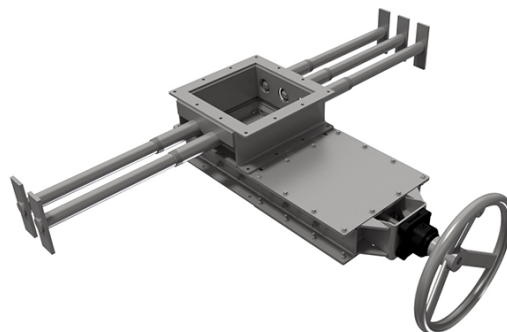
Integrated System – Pin gates are designed to work in tandem with manually actuated slide gates, providing a complete flow control solution without external power.

Benefits

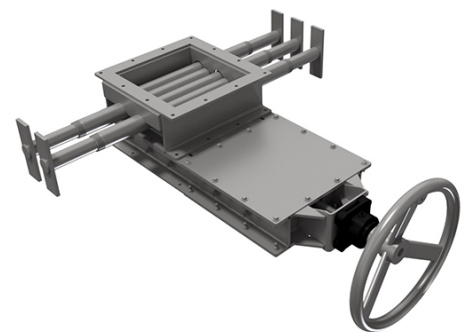
Enables Manual Operation – With the pin gate blocking flow, the slide gate below can be easily opened or closed without the need for hydraulic or electric actuation.

Cost-Effective Solution – Eliminates the need for costly hydraulic systems or electrical infrastructure in remote or power-restricted locations.

Reliable Material Control – Provides dependable shut-off of even the most challenging bulk materials, reducing downtime and ensuring safer operations.



Pins are Manually Driven Through Bulk Material Stream



Bulk Material Flow is Cut Off with Pin Gate



KWS Manufacturing

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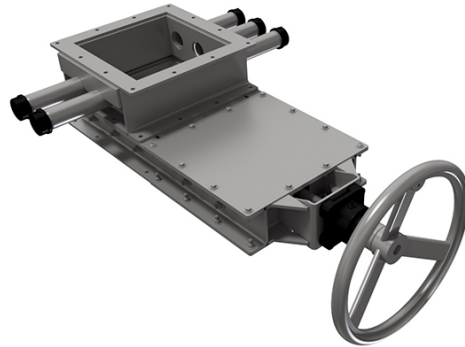
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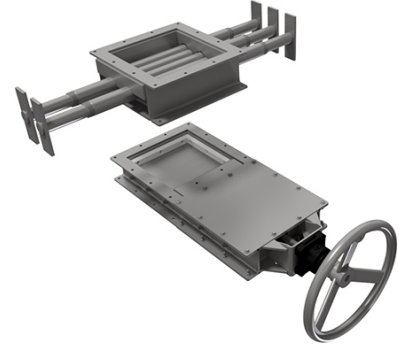
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Features & Benefits



Pins are Removed During Normal Operations



Manual Slide Gate is Easy to Operate with Pins in Place



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