

# TSG GATE

The Vortex Titan Series TSG Gate is designed to meet the most demanding applications when handling heavy-duty abrasive materials such as sand, gravel, coal, and whole grains. The TSG Gate handles dry material in gravity flow applications where positive material shut-off and dust-tight sealing is required. This slide gate is available in a wide variety of configurations with rectangular sizes and customer specific hole patterns.

☒ **GRAVITY FLOW**

☐ **DILUTE PHASE PNEUMATIC CONVEYING** (Pressure or Vacuum)

☐ **DENSE PHASE PNEUMATIC CONVEYING**

## FEATURES



Handles aggregates, coal, minerals, fine sand, fly ash and whole grain



Replaceable abrasion resistant liners to extend the life of the valve



Material displacement pocket minimizes wedging of material as blade closes



Wear compensating hard polymer bonnet & blade seals to prevent material leakage



Actuators available in pneumatic, electric, hydraulic and manual



Dust-tight design



Seal access ports for replacement while in-line

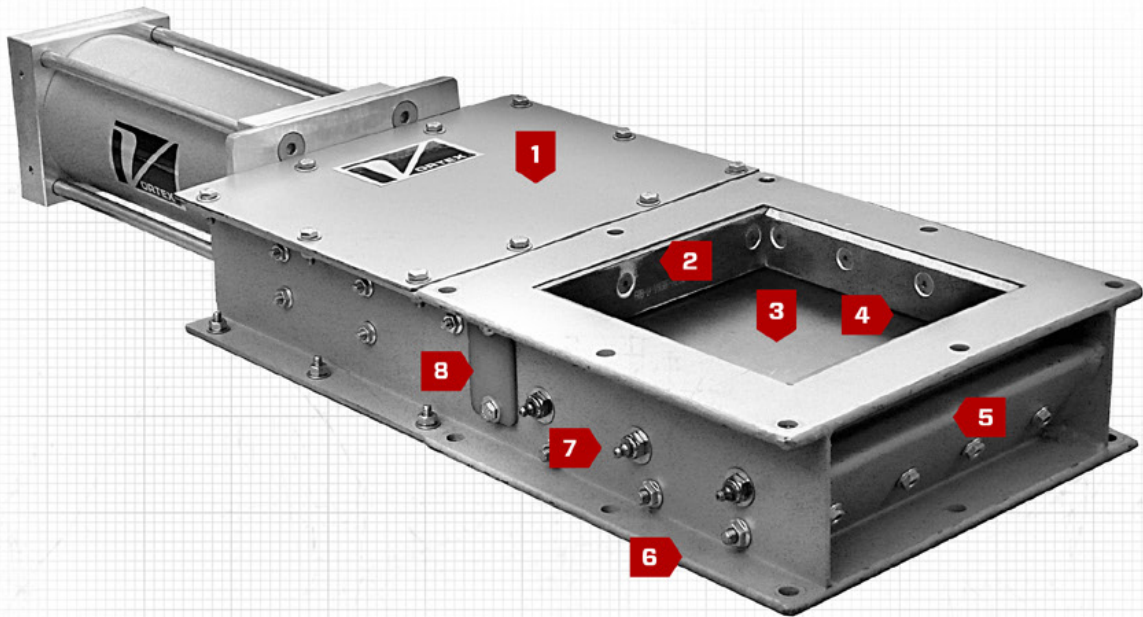


Hardened steel adjustable rollers



Standard sizes: 6" - 36"  
Contact us for custom sizes





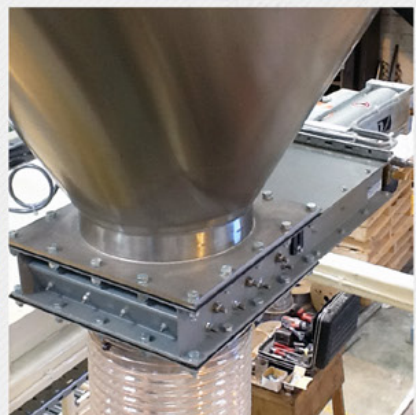
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| <b>1</b> Optional bonnet purge                 | <b>5</b> Displacement end pocket prevents material packing |
| <b>2</b> Replaceable abrasion resistant liners | <b>6</b> Painted carbon steel frame inhibits rusting       |
| <b>3</b> Abrasion resistant blade              | <b>7</b> Externally-greased steel support rollers          |
| <b>4</b> Live-loaded polymer side seals        | <b>8</b> Replaceable bonnet seals                          |



72" (1,829mm) TSG Gate for handling PRB coal



48" (1,219mm) TSG Gate for handling bentonite



10" (254mm) TSG Gate handling slag

For a complete list of specifications, modifications, dimensional drawings and measurements, visit [WWW.VORTEXVALVES.COM](http://WWW.VORTEXVALVES.COM)