

# Cast Steel Wedge Gate Valve

This cast steel wedge gate valve is designed for industrial applications requiring efficient flow control. The wedge-shaped gate ensures a tight shut-off, minimizing leakage and maximizing system efficiency.



## ADDITIONAL IMAGES



## Overview

### Industrial Cast Steel Wedge Gate Valve

This robust cast steel wedge gate valve is engineered for reliable on/off control in demanding industrial environments, including oil, chemical, and power generation sectors. Featuring a flexible wedge design for superior sealing and wear compensation, the valve ensures long-term durability with hardened alloy-overlaid sealing surfaces. Its versatile construction, available in various body materials and trim configurations, makes it an ideal solution for water, steam, oil, and corrosive chemical applications.

## Technical Specifications

### Operation Methods

Handwheel • Gear • Electric • Pneumatic • Hydraulic

### Size Range

2" ~ 60" (DN50 ~ DN1500)

### Pressure Rating

ANSI 150lb ~ 2500lb

### Body Materials

Carbon Steel, Stainless Steel, Alloy Steel, Duplex Steel

## Compliance & Standards

### Applicable Standards

Category	Standards
Design	API 600, BS1414, DIN3352
Face to Face	ASME B16.10, EN 558, DIN3202
End Flange	ASME B16.5, ASME B16.47, DIN2533
Buttwelding Ends	ASME B16.25, DIN3239
Inspection/Test	API 598, DIN3230

## Design Features

### Design Highlights

- Full port design
- OS&Y (Outside Screw and Yoke)
- Bolted bonnet with back seal structure
- Flexible wedge, fully guided
- Choice of solid or split wedge
- Renewable or welded seat options
- Extended stem design for low-temperature service