

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