



YINKE VALVE
FLOW CONTROL

Class 300 Trunnion Ball Valve

Class 300 Trunnion Ball Valve is configured for moderate-pressure process, refinery and utility service. Available materials, end connections, operation and inspection options can be matched to the project specification.

Technical Specification

Pressure Class	ASME Class 300
Design Standard	API 6D / ASME B16.34
Size Range	2–48 in
Body Materials	WCB, LCC, CF8M, Duplex 2205, Super Duplex 2507
Connections	RF, RTJ, BW
Application Focus	Pipeline isolation, transmission, terminals and higher-pressure process service

Selection Notes

Class 300 is used for moderate-pressure process, refinery and utility service. A common step up from class 150 when line class, temperature or project requirements demand more pressure capability. For this valve design, buyers should also review ball support, seat design, cavity pressure management, stem sealing and operator sizing.

Materials

Typical project materials include WCB, LCC, CF8M, Duplex 2205, Super Duplex 2507. The correct grade depends on corrosion, minimum and maximum design temperature, toughness, hardness limits and the project material specification.

End Connections

Rf is widely used, while rtj or bw may be selected when the piping class or service demands it. Available connection families for this product include RF, RTJ, BW.

Testing & Documentation

Add pmi, nde or project itp hold points when required by the purchase specification.

RFQ Information

• Valve type and nominal size	• Pressure class / rating
• Body and trim material	• End connection / facing
• Operation or actuator	• Service fluid and design temperature
• Quantity and delivery requirement	• Inspection, testing and document requirements

For quotation, send the valve list, datasheet or project specification together with the required quantity and delivery location.