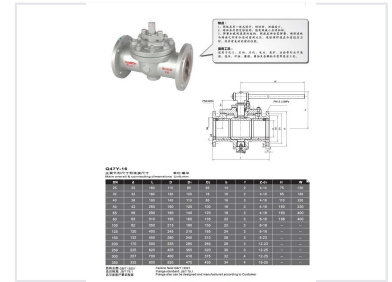


# Metal Sealed Ball Valve

This metal-sealed ball valve is designed for high-performance in demanding applications. It features a one-piece body and spring-loaded seat for reliable sealing even under low pressure.



## Product Overview

### High-Performance Metal Sealed Ball Valve

The Q47Y-16 is an integrated metal-sealed ball valve engineered for demanding industrial environments. Featuring a robust one-piece body design and a fixed ball structure, it minimizes leakage and reduces operating torque. The inclusion of a spring-loaded seat sealing mechanism ensures reliable performance even under low medium pressure, making it an ideal solution for high-temperature, high-pressure, and abrasive applications.

## Key Features

### Design Highlights

- One-piece body design for rigidity and minimal leakage
- Fixed ball structure to reduce opening and closing torque
- Spring-loaded seat sealing structure for consistent pressure
- Excellent sealing performance under low medium pressure

## Application Suitability

### Operating Conditions

High Temperature • High Pressure • Erosion Resistant • Abrasion Resistant • Corrosion Resistant • Particulate Media

### Suitable Industries

Chemical, Petroleum, Petrochemical, Power, Mining, Metallurgy

## Standards & Compliance

### Face to Face Standard

GB/T 12221

### Flange Standard

JB/T 79.1

## Dimensional Data

### Main Overall and Connecting Dimensions (mm)

DN	d	L	D	D1	D2	b	f	Z-d1	H	W
25	25	160	115	85	65	14	2	4-14	75	130
32	32	180	135	100	78	16	2	4-18	85	180
40	38	190	145	110	85	16	3	4-18	110	230
50	42	250	160	125	100	16	3	4-18	160	230
65	58	290	180	145	120	18	3	4-18	160	400
80	65	310	195	160	135	22	3	8-18	188	400
100	82	350	215	180	155	22	3	8-18	—	—
125	120	400	245	210	185	24	3	8-18	—	—
150	132	450	280	240	210	26	3	8-23	—	—
200	170	500	335	295	265	28	3	12-23	—	—
250	225	620	405	355	320	30	3	12-25	—	—
300	257	700	460	410	375	32	4	12-25	—	—
350	335	800	520	470	435	34	4	16-25	—	—