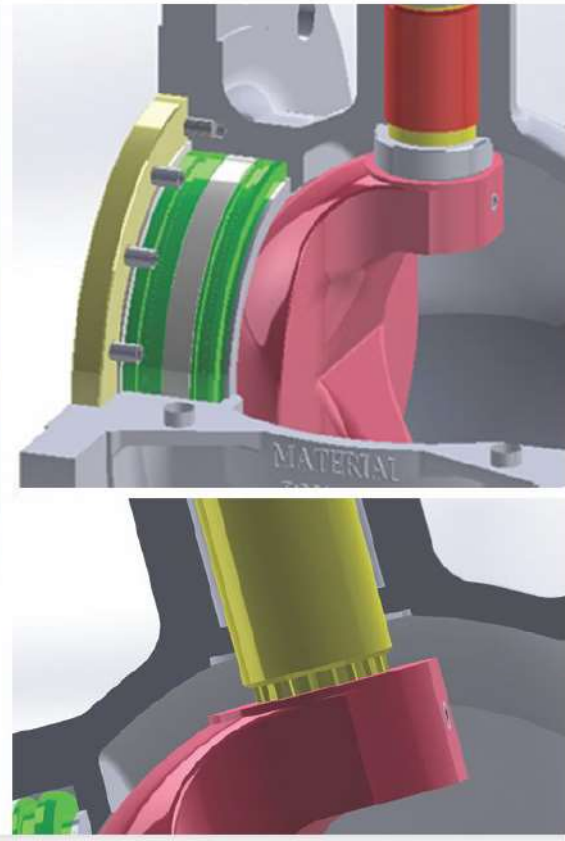




Segmented Ball Valves



PHBB Segmented Ball Valves (Rotary Ball Plug Valves) are designed for on-off and Control applications in various industries including pulp & paper, Petroleum, Petrochemical, Process and Speciality Chemicals.

The design of this valve includes a single piece construction body, Quarter turn operation, Segment ball (Rotary Ball Plug) design, which results in simplified maintenance and trouble free operation. The valve features a characterized ball segment for high rangeability with Splined Stem Connection for better control. Friendly Ball Segment-Stem assembly with less friction in Stem and thrust bearing ensures longer life and ease of maintenance.

Features & Benefits

- ◆ Single piece body design offers greater rigidity against fluctuating pipe loads.
- ◆ Design available in Weld ends and Flanged Ends
- ◆ Designed with characterized Segment for On-off and Control applications
- ◆ Hard coating on spherical surface for better performance against abrasion and wear.
- ◆ Disc locator design for ball centring.

Production Range

- ◆ Size : DN25-DN300
- ◆ Rating : Class 150 & 300
- ◆ Operation : Hand lever, Gear and Actuated

Design & Manufacturing standards

PHBB Segmented valves, meet the following International Standards : ASME B16.34,

- ◆ Flange drilling : ASME B16.5,
- ◆ Face To Face Dimensions:
EN 558, ANSI/ISA 75.08.02
(ISA S75.04) / 1EC 60534-3-2,
- ◆ Seat Leakage : ANSI FCI 70-2 .

Materials

PHBB can offer a wide variety of Body, Rotary Plug/ball and Stem materials to suit specific customer requirements viz. Carbon steel, Stainless Steel, Duplex and Super Duplex, Aluminium Bronze, Monel, Inconel and other super Alloys. Materials meeting NORSOK M650 specification can be supplied with QTR.

NACE Requirement

When required Valves can be supplied with Materials meeting requirements of specifications NACE MR0175 / ISO 15156 & NACE MR 103 for pressure containing parts.

Segmented Ball Valves

Ball-Stem Design

- Close-fit splined connection between stem and Ball segment ensures no lost motion during operation

Seat

- PHBB can offer a host of seat Materials in PTFE, RPTFE, PEEK and Metal-to-Metal Seat Designs.
- One-piece solid PTFE or RPTFE static and dynamic seat design seals at both high and low pressures.
- Pressure energized seat design offers excellent sealing even at low differential pressures.

Stem Bearing

- Self-lubricating bearings provide excellent stem support and shaft alignment.
- Bonded to the interior of the stainless steel bearing is PTFE impregnated with woven fibreglass.

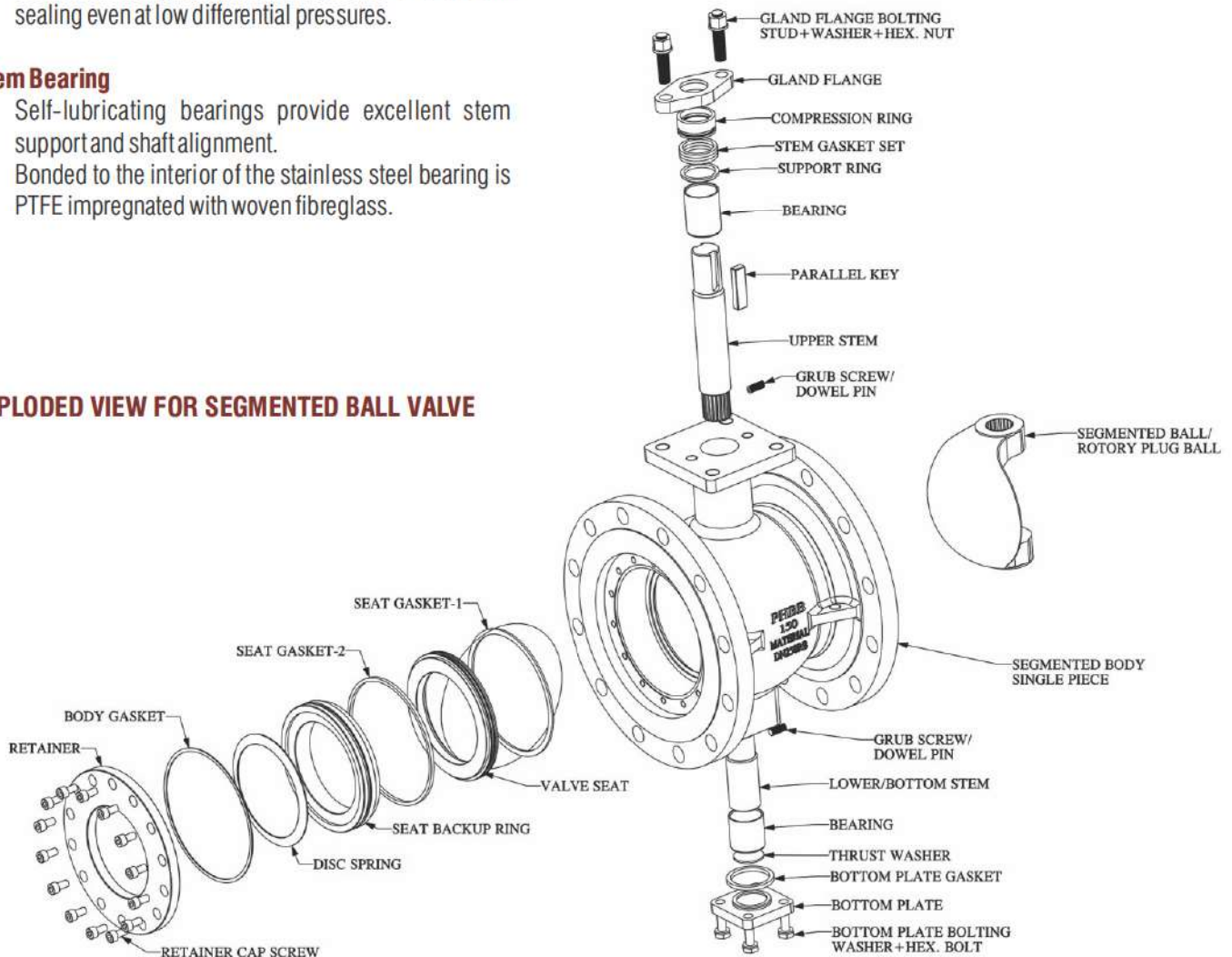
Clamping Ring

- A sturdy Clamping ring in the body provides Optimum Sealing
- Detachable seat and Seat Retainer design gives easy access to trim components.

Adjustable stem packing

- Durable and low friction V-type packing, provides excellent sealing.

EXPLODED VIEW FOR SEGMENTED BALL VALVE



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