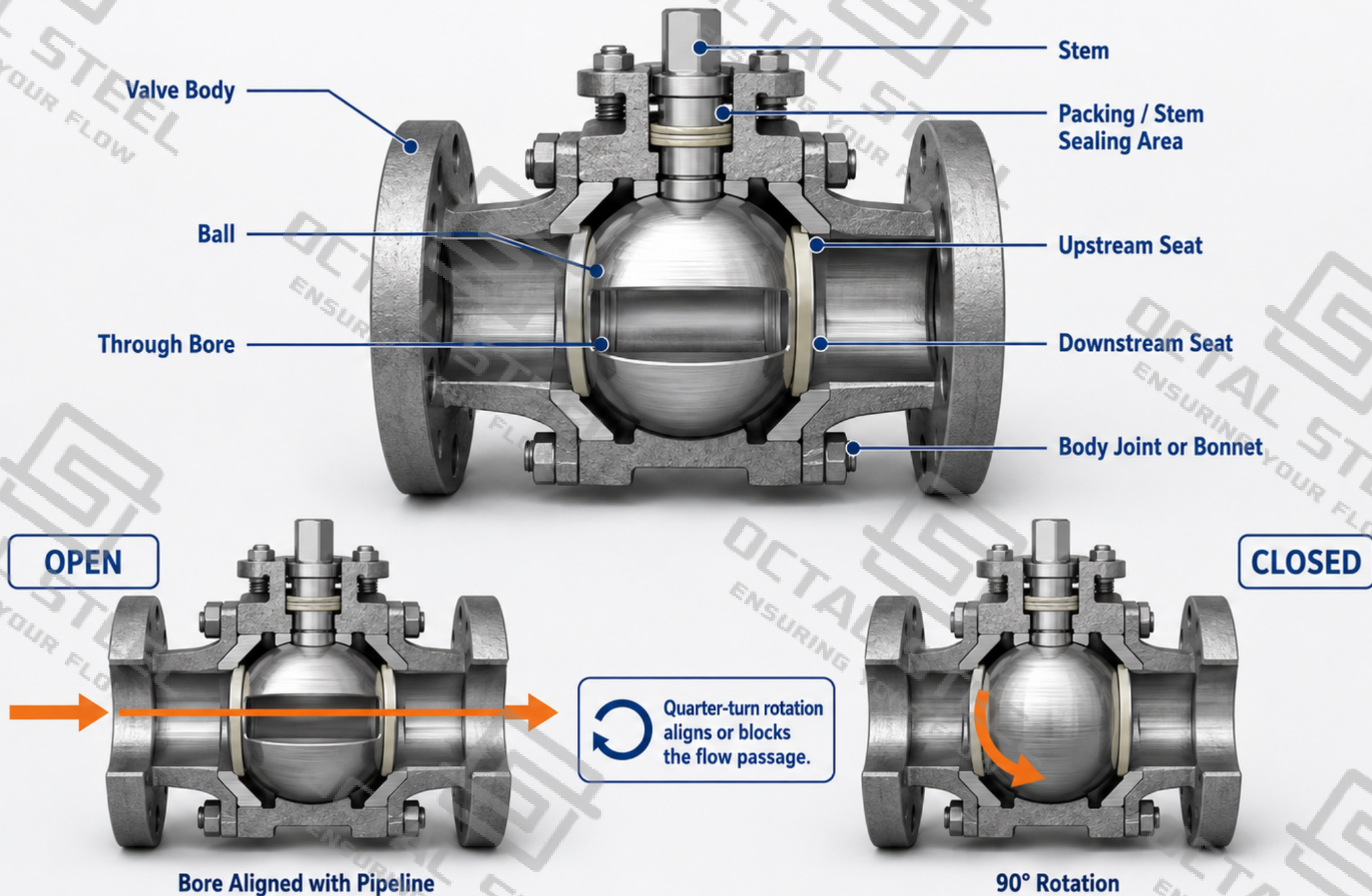
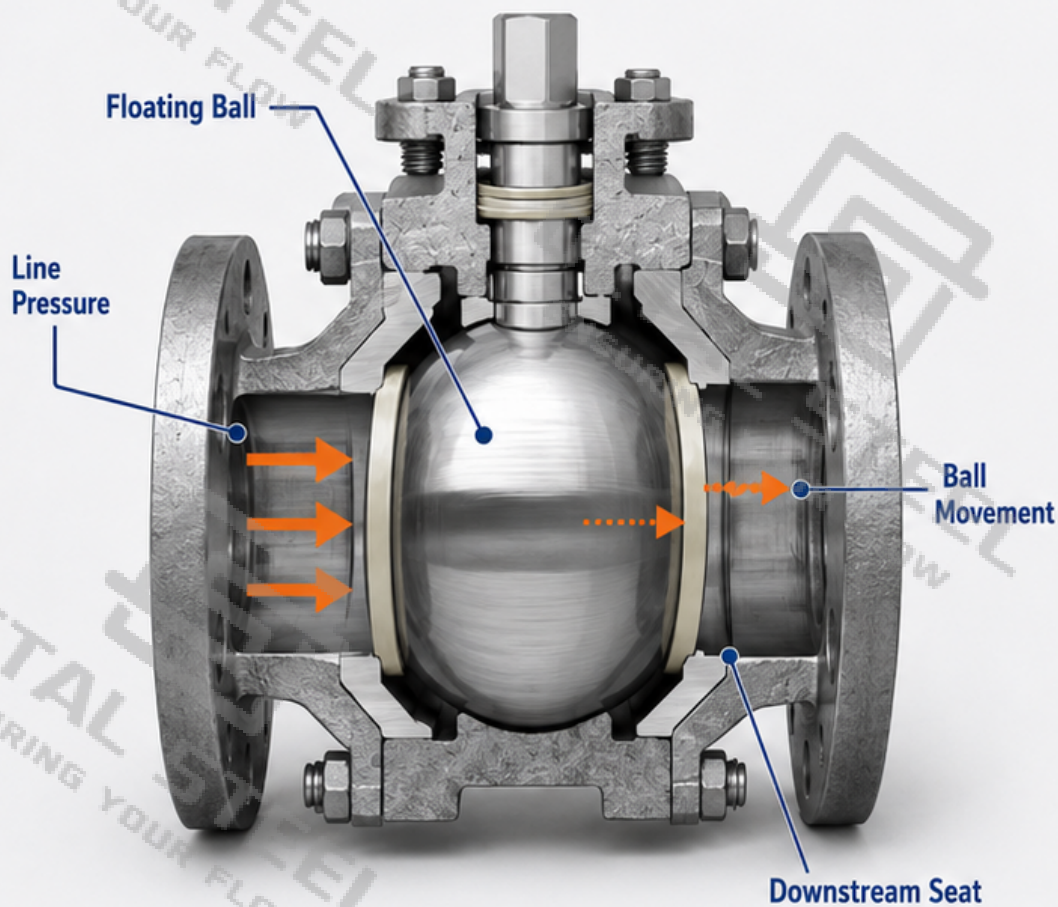


Ball Valve Working Principle and Main Components

Technical Reference Sheet



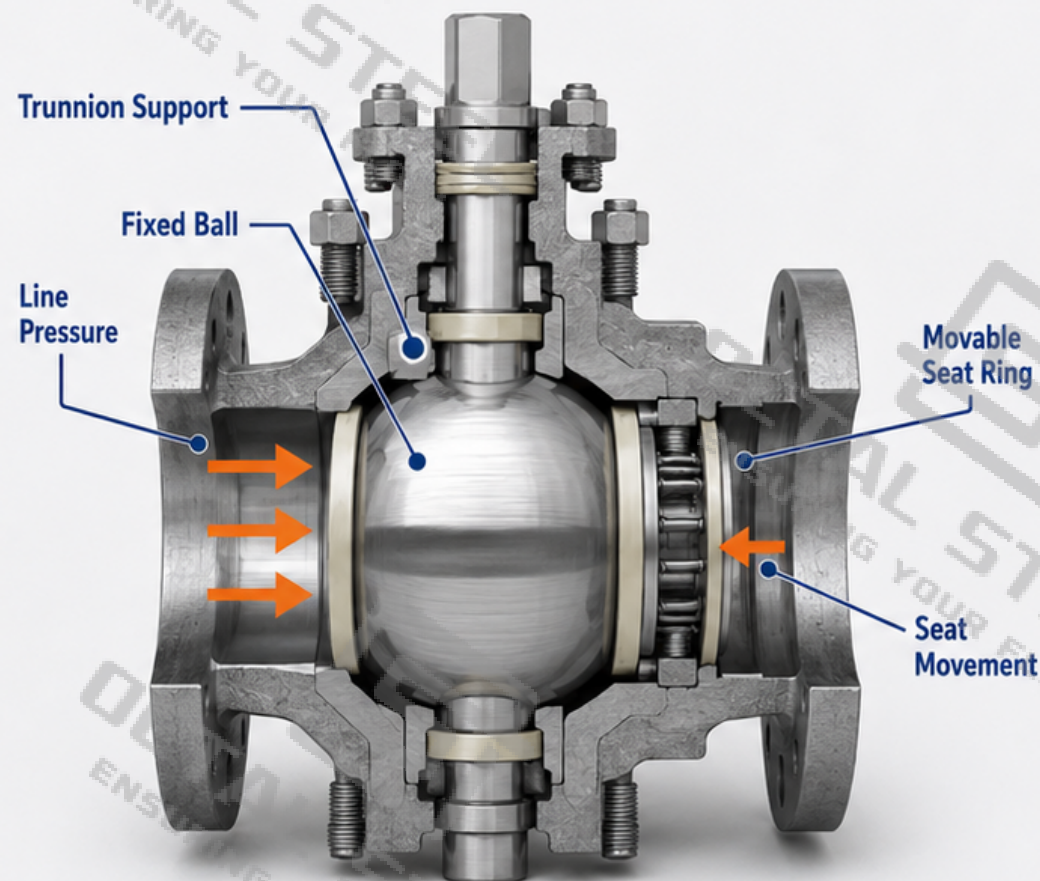
FLOATING BALL VALVE



FLOATING

Pressure moves ball toward seat

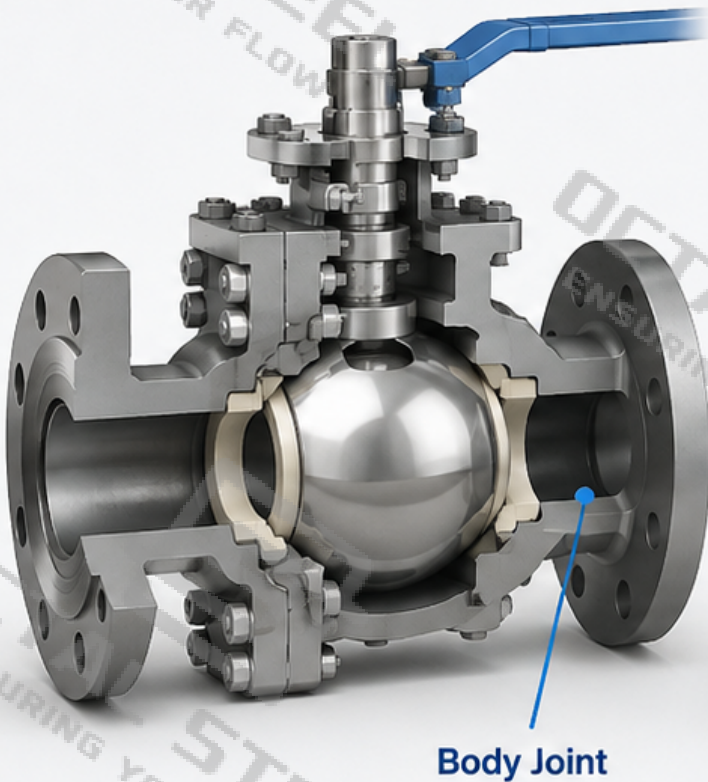
TRUNNION BALL VALVE



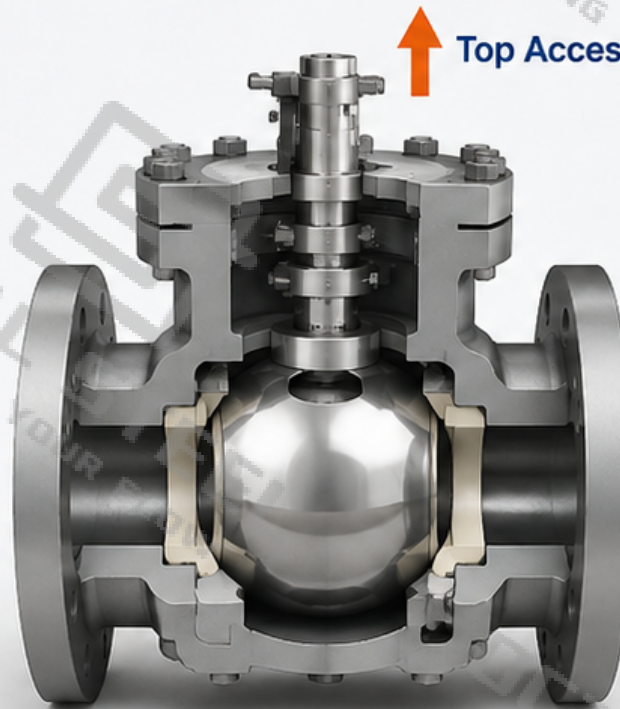
TRUNNION

Supports carry ball load; seats move toward ball

SIDE ENTRY



TOP ENTRY



FULLY WELDED



**Assembly
around ball**

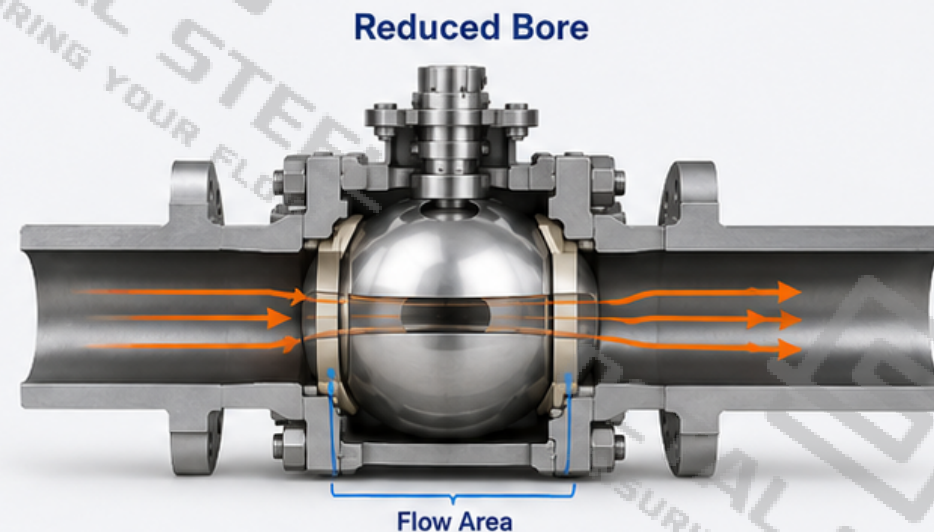
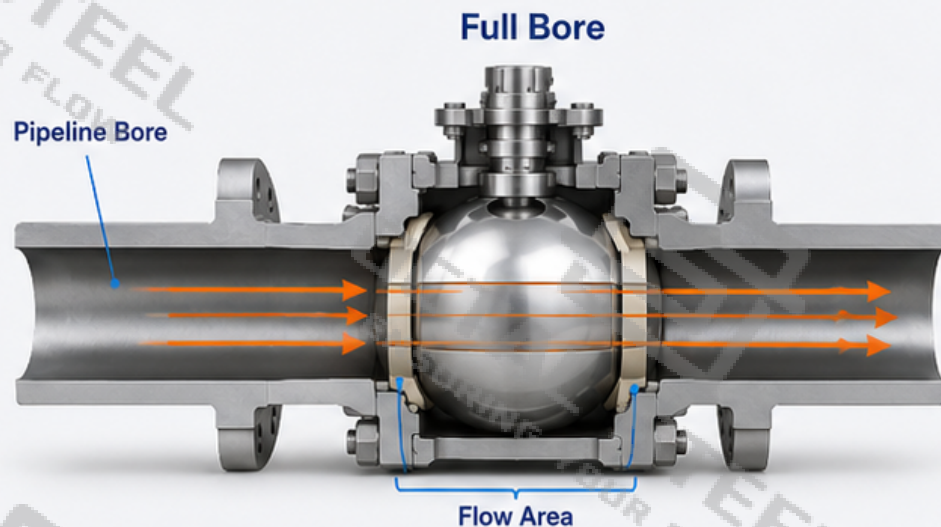


**Top maintenance
access**



**Reduced main
body-joint interfaces**

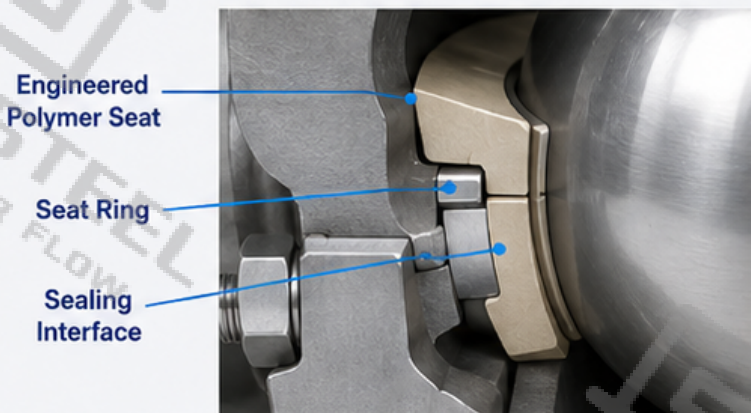
BORE CONFIGURATION



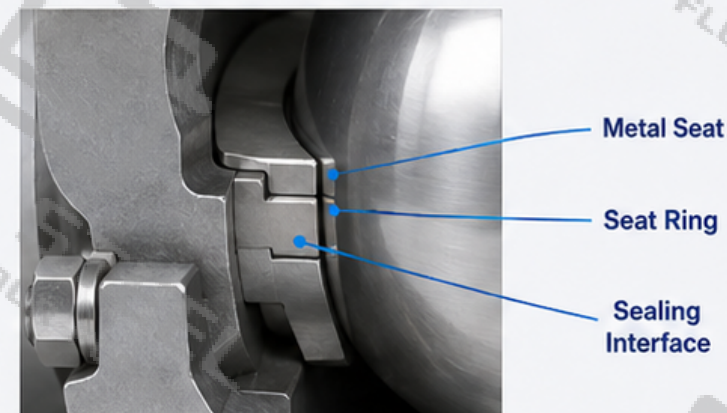
i Pigging capability must be confirmed with actual pipeline and valve bore.

SEAT CONFIGURATION

Soft Seated



Metal Seated



Temperature



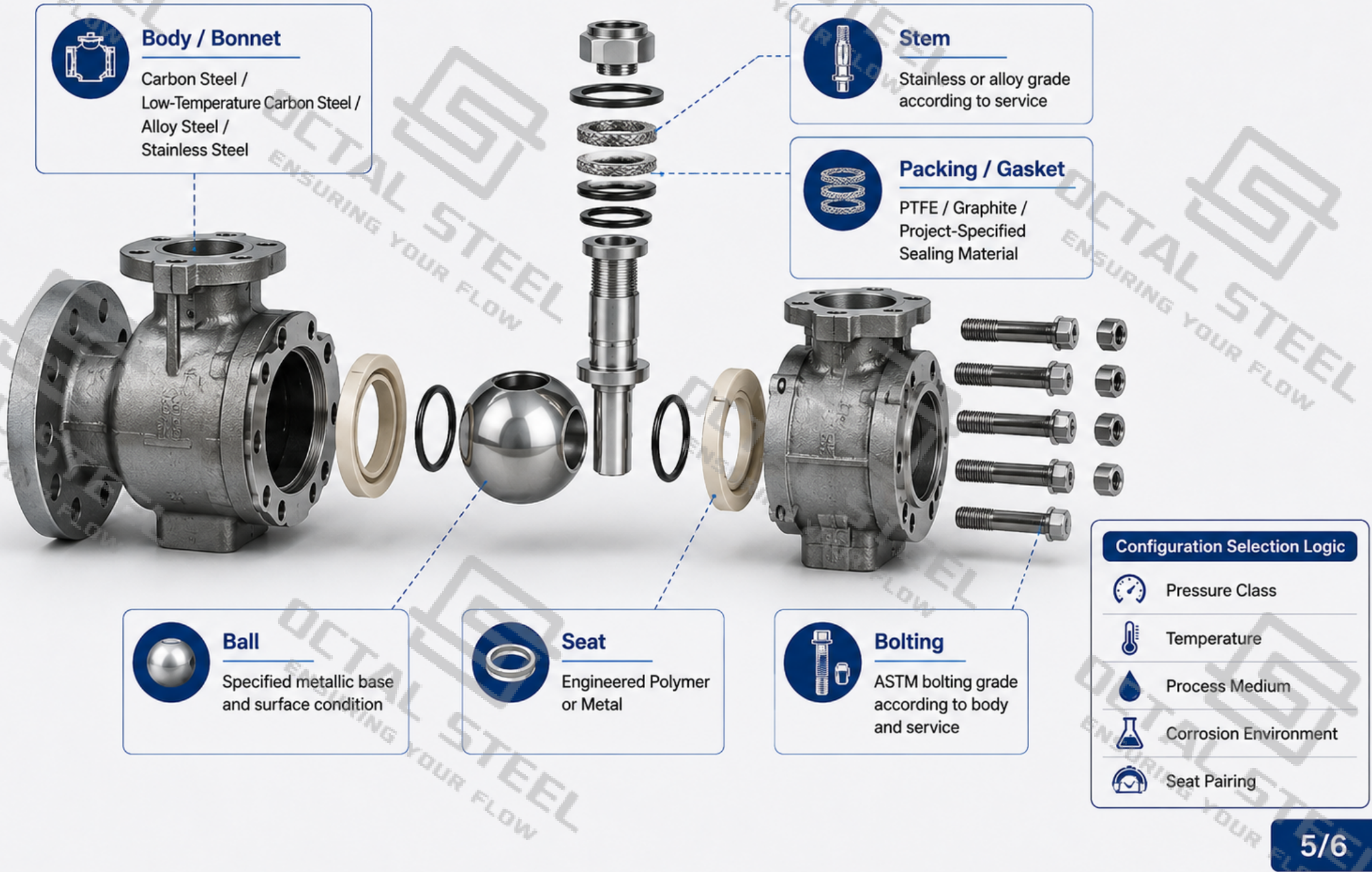
Medium



Solids



Leakage Requirement



Configuration Selection Logic

- Pressure Class
- Temperature
- Process Medium
- Corrosion Environment
- Seat Pairing



Transmission Pipeline



 Pressure & Torque

Pigging Section



 Bore & Pig Clearance

Refinery Isolation



 Seat & Material

Remote Pump / Compressor Station



 Actuation & Shutdown

i Final configuration depends on the complete service condition, not nominal size alone.