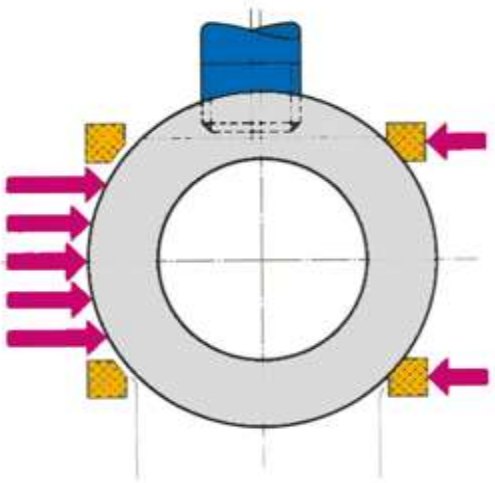
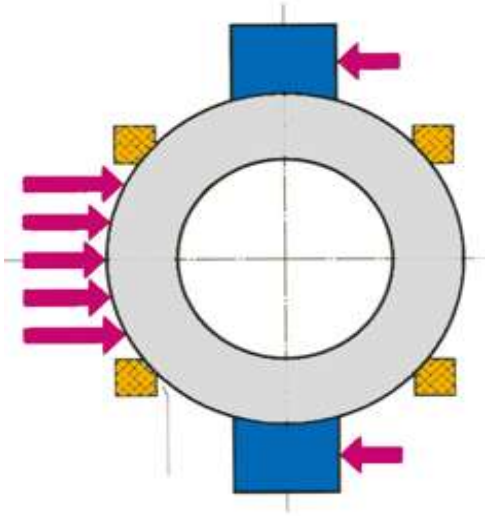
DO YOU KNOW...?
ADVANTGES OF A TRUNNION MOUNTED BALL:



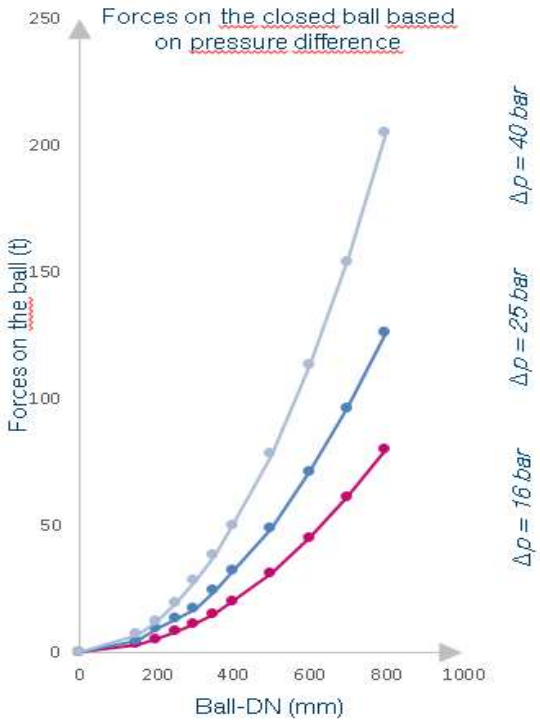
Floating ball construction:

- Pressure and NPS define surface pressure
- The ball is lifting off from the upstream sealing ring
- The down stream sealing acts as a bearing because of ball movement
- High forces occur on the down stream sealing ring
- Operating torque is increasing



Trunnion ball construction:

- The ball is guided from the stem and the trunnion
- The ball is not lifting off from the upstream sealing ring
- Equal force absorption on stem and trunnion
- No higher forces occur on the down stream sealing ring
- Operating torque is lower due to bearing



- The diagram shows how the forces on the ball increase significantly at different differential pressures and line sizes