

## RESILIENT SEATED GATE VALVE DESIGN FEATURE

**ADVANTAGE:** All metal parts are isolated by POM components, thus reduce wear and increase of service life.



**Handwheel:**  
Valves supplied with handwheel or bare shaft with square cap.

**Gland:**  
Ductile iron gland provides effective sealing against dirt and other impurities.

**Paraffin seal:**  
SS Bolts used to secure bonnet to valve body are further protected with Paraffin Seal to provide extra sealing and protection. Particularly well suited for buried service.

**Wedge-Disc:**  
Ductile Iron, fully encapsulated in vulcanized EPDM rubber leaving no exposed metal surface. Central guides help reduce friction between wedge and body during open/close operations.

**O-ring:**  
Top Two O-Rings are replaceable with valve fully open and under pressure. There are also Two O-Rings on stem, which is invisible from this angle.

**Stem:**  
One-piece design, integrate stem and thrust bearing to a whole. Stem made of Bronze, SS410/420/431/304 Forged and Machined to high strength and performance.

**Coating:**  
Fusion Bonded Epoxy Coating to a min DFT of 250 micron provides an effective Corrosion Protection.


## ACTUATION METHODS



In most cases, resilient seated gate valves are operated manually by means of a handwheel or a square cap top, using a T-key. ERHARD offers handwheels with the right dimensions, according to the DN and operating torque. Our standard handwheels are made of ductile iron and we also offer pressed steel as an option. Regarding square cap tops, our products comply with the different national practices and standards.



One special case of manual actuation occurs when the valve is buried and the actuation has to be done from the surface. For those cases special stem extensions, fixed or telescopic, are offered to fit with different national practices and standards. We can offer customised solutions for each country when requested.



Another option is to operate the gate valve by means of an electric actuator. This solution also offers the possibility of installing a remote control, that allows the final user to monitor the operations of the valves. Special versions of the gate valves prepared for the actuator are equipped with top flanges according to ISO 5211. Actuators from different suppliers can be installed on this standard flange, which gives the customer the freedom to choose their actuator. KXC can provide the operating torques of the gate valves as well as guidance in choosing the right actuator for each DN.

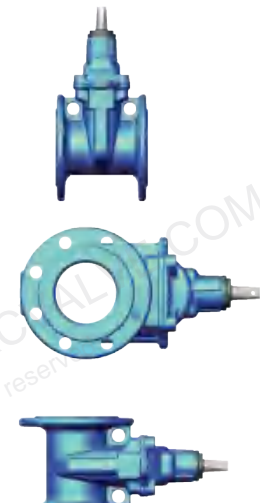
DN	From DN40 to DN200	From DN250 to DN500	DN600
Connecting flange ISO 5211	F10	F14	F16

## INSTALLATION INSTRUCTIONS

### RECOMMENDED POSITIONS

└ From DN40 up to DN300:

- 1) Ideal position:  
vertical stem,  
horizontal flow
- 2) Horizontal stem,  
horizontal flow
- 3) Horizontal stem,  
vertical flow



└ From DN350 up to DN1200:

- 1) Ideal position:  
vertical stem,  
horizontal flow
- 2) Oblique stem,  
horizontal flow

