

**Wey Sluice Gate 3** for sizes 700–4000 mm  
**Wey Sluice Gate 4** for sizes 200–1500 mm

**3.1.01**

**Design**

Wey Sluice Gates are of stainless steel fabricated design, and offer a performance-cost benefit, the result of over 40 years design and manufacturing experience. Features include long lasting troublefree performance, compact design and minimized leakage rate.

**Construction**

Self-contained construction or furnished where the operating mechanism is mounted on a floor, for embedded or modern anchoring technique. The gate is guided throughout the entire open-closed stroke thereby providing for trouble-free fluid passage and flow control.

**Material**

Frame, gate and stem of material 1.4404 (316L) stainless steel or equal. The integrated non-metallic gate guides are of high quality, non-aging, chemical- and UV-resistant polyethylene. The excellent gliding properties result in a low open/ close torque. All stainless steel parts are dipped and passivated.

**Sealing**

The flush bottom flow passage area and the one-piece resilient lip seal seat design, prevent debris from collecting and jamming in the seat area and provides for ease of maintenance. The transverse seal is protected by a scraper for long service life.

**Tightness**

The unique seal design provides a leak tightness in any partially open position, in both seating and unseating flow direction. In close position the leak-tightness with clean water is  $\leq 0,2$  L/min/m of seal length and is substantially better than DIN 19569-4 and A.W.W.A. C501 standards.



## Design details



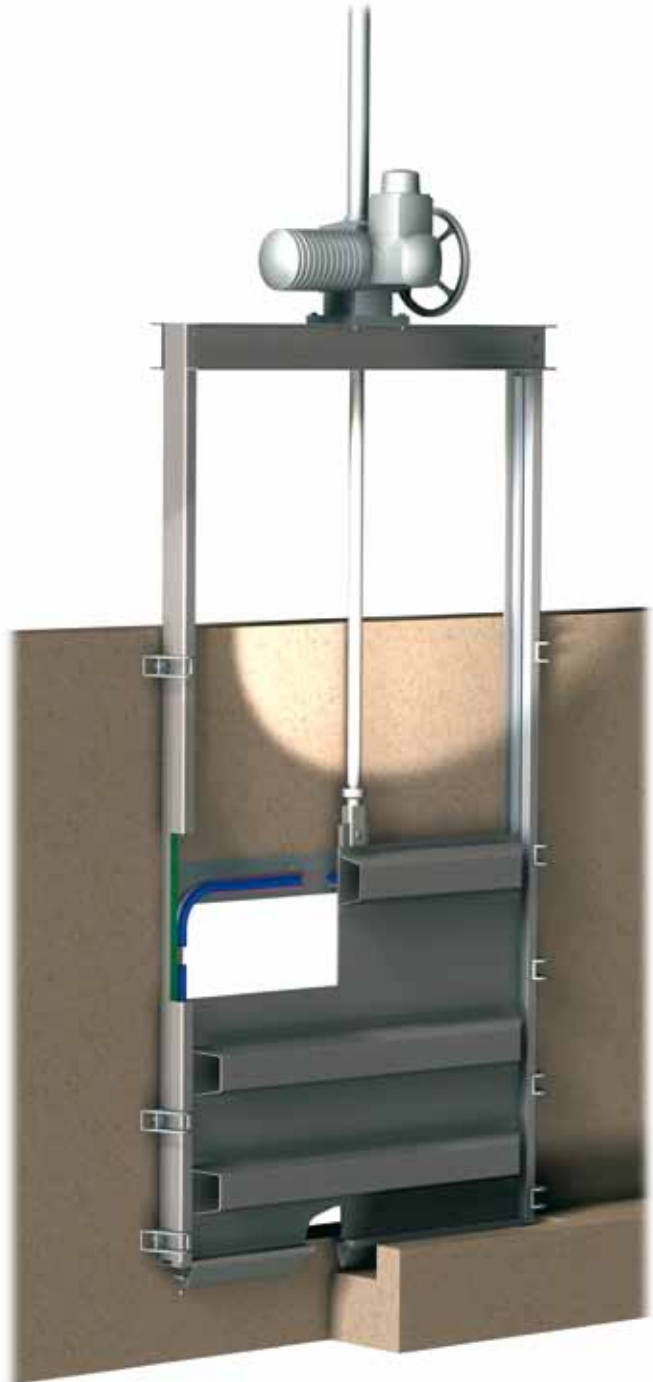
Frame with non-metallic gate guide, gate and lip seal



Transverse seal with scraper

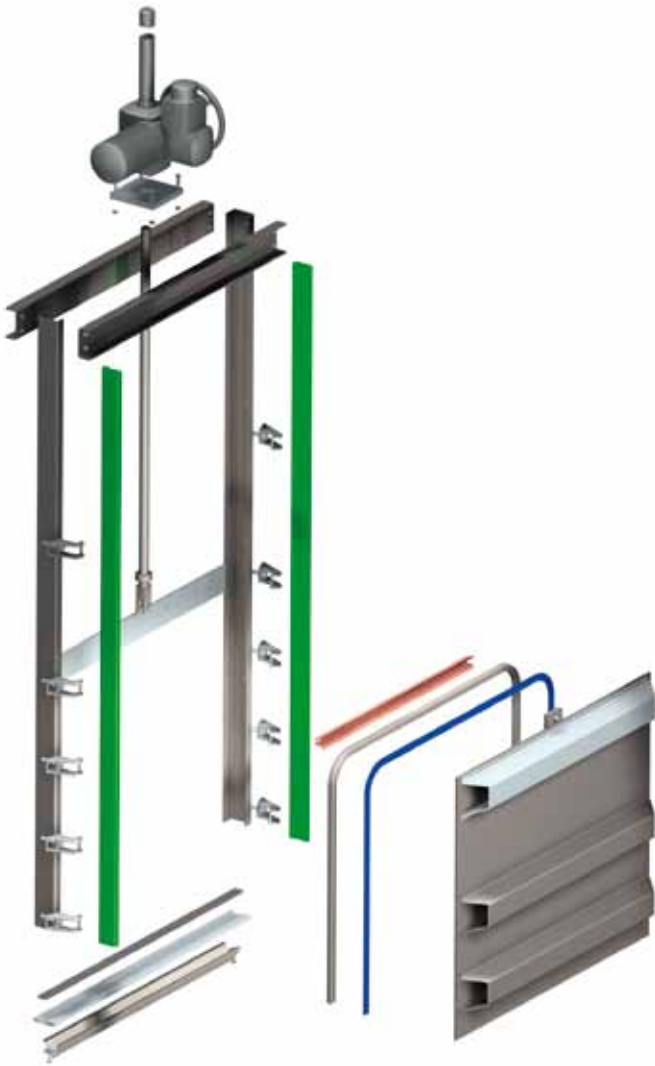


Bottom profile flush invert with reinforcement rib

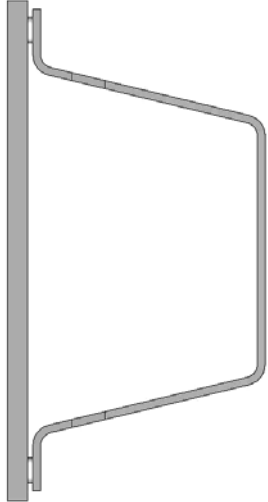


Sluice Gate - Assembly

# Design details



Sluice Gate – Exploded view



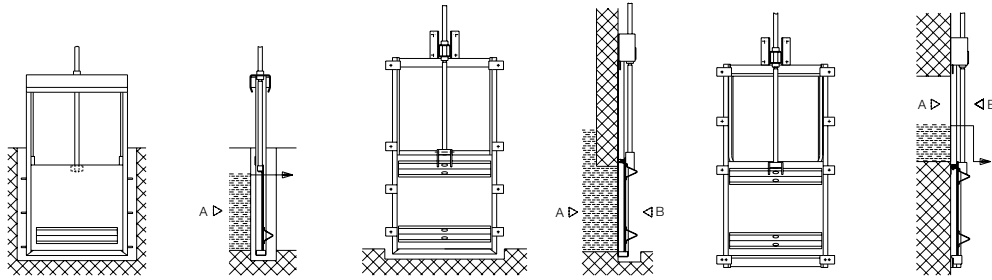
Continuous welding is avoided to prevent crevice corrosion



One-piece lip-seal – side seals countersunk in bottom seal

## Type and actuator selection

### Construction

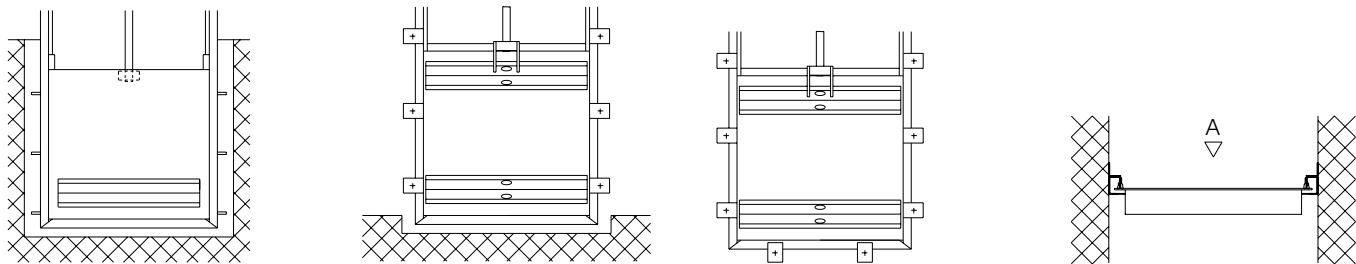


3.3 (3-sides tight)  
4.3 (3-sides tight)

3.4 (4-sides tight)  
4.4 (4-sides tight)

3.5 (3-sides tight)  
4.5 (3-sides tight)

### Installation method



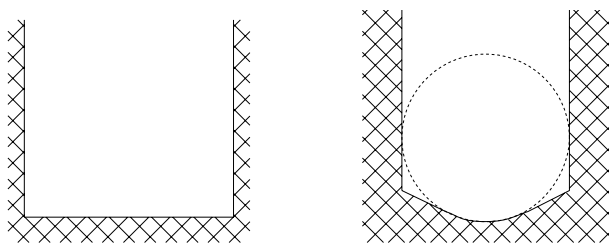
Embedded

2-sides anchored

3-sides anchored

channel mounting

### Bottom profile

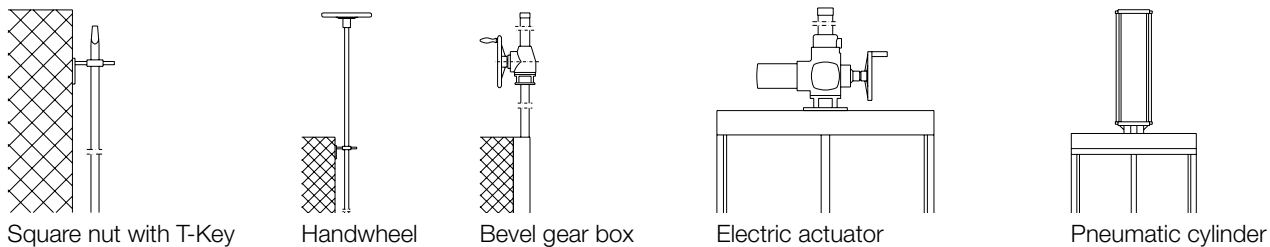


Straight bottom profile

Slant/circular profile

For other profile shapes  
refer to factory

### Actuator



Square nut with T-Key

Handwheel

Bevel gear box

Electric actuator

Pneumatic cylinder