



### SPECIFICATION

These open channel slide gates are made as per Jash design and complies to IS 13349 / BS 7775 / AWWA C560 for leakage and other general requirements.

### APPLICATION

These open channel slide gates are used to isolate flow within as well as in and out of an open channel. These are suitable for seating water head and are provided with sealing arrangement on 3 sides only and not on top side and so the height of water should always be less than the height of slide.

### FEATURES:

- Frame design suitable for (i) embedment on two sides and bottom, or (ii) anchoring on two sides and bottom, or (iii) face wall mounting at the end of channel.
- Gate frame provided with full length extension guides sufficient to engage full height of slide / door over the water height when the gate is open.
- Self-contained gate frame with lift mechanism mounted directly on yoke provided across the top of gate frame.
- Slide sufficiently ribbed to suit the applicable water head and designed to suit rising stem requirement.
- Provided with pin and knuckle type stem connecting arrangement to connect the slide with the stem.
- Provided with EASY-GLIDE™ resilient sealing system to offer leakage limits substantially lesser than AWWA C560 and low operating torque.
- EASY-GLIDE™ resilient sealing system comprise of replaceable resilient seal in forced contact with non corroding metal seating faces to ensure reduced seal wear.
- Flush bottom slide gates with EASY-GLIDE™ resilient sealing system provided with bottom sealing comprising of flexible rubber seal flush with the opening.
- Seal fitment ensures that no dismantling of gate from its location is to be done for future replacement.
- Economical and faster erection of fully assembled gate in a single set-up.
- Rising stem with yoke mounted manual gate operating mechanism to operate the slide gate with less than 18 kgs effort on the crank or handwheel.
- Dual or tandem stem for all gates 1200 mm and wider and having widths greater than twice their height.
- Anchor bolts with nuts and washers for frame suitable for side anchoring or wall mounting.
- Offered with epoxy paint or as required by specifications.

### OPTIONAL FEATURES:

- Bi-directional sealing for seating as well as un-seating water head.
- Extended side guides in case operating thrust is to be taken on frame for gates where operating arrangement is located at more than 2.5 times the height of slide.
- Non-rising stem.

- Chain and sprocket arrangement to lower the handwheel / crank centerline to an elevation of 900 mm from the top of operating floor in case where manual operating arrangement is located more than 1500 mm distance from the operating floor. (Refer sketch below)
- Electric/Pneumatic/Hydraulic operating arrangement.
- Portable electric or hydraulic operator.
- Stem cover made of galvanized steel or transparent plastic tube.
- Gate position indicating arrangement.

#### **MATERIAL OF CONSTRUCTION:**

Depending upon application and requirement, client should select and specify the material of construction option for various components of gate from the alternatives stated on page no. 39.

#### **SHOP TESTING:**

- Leakage testing of slide gate at plant with water filled till top of slide to verify slide gate leakage performance. #
- Seat clearance check of each slide gate for clearance between mating sealing faces.
- Movement test for checking interference free movement of complete assembly.
- Torque test to verify gate operating torque for manually operated slide gates.

# Shop leakage test will be carried out only when a test has been specifically agreed to or when a test is specifically stated in specifications.

