

## COMPOSITE STOPLOGS SERIES: A-451 / A-452 / A-453

COMPOSITE STOPLOGS



### SPECIFICATION:

These stoplogs are made as per Jash design.

### APPLICATION:

Single piece / multi-piece stoplogs are used for isolation application in open channel where immediate closure or isolation of waterway opening in a short time is not required, where isolation requirement is infrequent and where more than one person is available for operation. Stoplogs are also suitable for insertion in multiple frames installed at different locations provided the stoplog and the frame are of same width.

In cases where height of water is very high or when there is weight and height restriction in handling, multi-piece stoplogs are used instead of single piece stoplogs.

### 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.
- Rigid stainless steel gate frame provided with guides extending to the top of operating floor for ease in insertion of logs.
- Stop log of composite sandwich construction comprising lightweight rigid cellular core with a fully welded steel box matrix and chemically bonded and sealed with outer skins of "jointless" rigid composite material to prevent ingress of water into the inner core. The outer skin material is non toxic and UV stabilized.
- Sectional logs of 30 or 350 mm height and suitable to withstand 6 m water head upto 3 m width, higher sizes on request.
- Offered with either frame mounted sealing system or log mounted sealing system for vertical sealing between frame and stoplogs on the upstream as well as downstream sides at both ends.
- Frame mounted sealing system offers joint-less vertical sealing with the gliding face of stoplogs to ensure improved seal leakage performance.
- Log mounted sealing system comprise of non -continuous interrupted sealing with the frame face thereby increasing the possibility of higher leakage through joints in the vertical sealing.
- Type of sealing system offered depends upon client requirement and application.
- Frame mounted sealing arrangement offered with LIP-GLIDE™ resilient sealing system having seal separate from the seat.
- Frame mounted LIP-GLIDE™ resilient sealing system comprise of resilient lip seal mechanically fastened on frame and in forced contact with face of stoplog. This sealing arrangement is replaceable only during plant shut down.
- Log mounted WRAP-ON™ resilient sealing system comprise of resilient lip seal mechanically fastened on logs and in forced contact with face of frame. These can be easily replaced without resorting to plant shutdown.
- WRAP-ON™ resilient sealing system designed to wrap around the sides of stoplogs to prevent edge damage during handling or movement in and out of frame.
- Dual flush bottom seals across the width at the bottom of each log to achieve sealing between logs. Bottom seals are secured by seal retainer flats and are replaceable.
- Each log provided with two stainless steel lifting handles on upstream as well as downstream side.
- Lifting handles spaced apart for easy manual lifting or for lifting using lifting beam.

**OPTIONAL FEATURES:**

- Lowering / raising of stoplogs using automatically engaging lifting beam with manual / electric hoist.
- Portable frame for mounting lifting beam.
- Storage rack for safe storage of stoplogs.

**MATERIAL OF CONSTRUCTION:**

Depending upon application and requirement, client can select and specify the material of construction option for various components of the stoplogs from the alternatives stated on page no.29.

**SHOP TESTING:**

- Leakage testing of stoplogs at plant with water filled up to the top of logs to verify gate leakage performance.#
- Seat clearance check of each stoplog assembly for checking clearance between mating sealing faces.
- Movement test for checking interference free movement of complete assembly.

*# 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.*



Composite Stoplog for San Wai STP, Hong Kong