

ALUMINUM SECTIONAL STOPLOGS

SERIES: A - 421 / 422 / 423

SECTIONAL STOPLOG



SPECIFICATION:

These stoplogs are made per the Rodney Hunt design.

APPLICATION:

Multi-piece extruded stoplogs are used instead of single piece stoplogs when there is weight and height restriction in handling. These stoplogs are used for isolation application in open channel where (i) immediate closure or isolation of waterway opening in a short time is not required, (ii) isolation requirement is infrequent and (iii) 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.

Extruded sectional logs are available in 6, 10 & 12 inch height and are suitable to withstand varied water heads depending upon width of logs.

FEATURES:

- Rigid extruded aluminum 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.
- Offered with either frame mounted sealing system or log mounted sealing system for vertical sealing between frame and stoplogs. Type of sealing system offered depends upon client requirement and application.
- Frame mounted sealing system offers joint-less vertical sealing with the gliding face of stoplogs to ensure improved seal leakage performance. This sealing arrangement is replaceable only during plant shut down.
- Log mounted sealing system comprises of non -continuous interrupted sealing with the frame face thereby increasing the possibility of higher leakage through joints in the vertical sealing. This sealing arrangement is replaceable without resorting to plant shutdown.
- Vertical sealing system provided on upstream as well as downstream sides at both ends. "Frame mounted sealing arrangement offered with LIP-GLIDE™ resilient sealing system having seal separate from the seat. LIP-GLIDE™ resilient sealing system comprises of resilient lip seal mechanically fastened on frame and in forced contact with gliding face of stoplogs.
- Log mounted LIP-GLIDE™ resilient sealing system comprises of resilient lip seal mechanically fastened on logs and in forced contact with face of frame.
- Dual flush bottom seals across the width at the bottom of each log to achieve sealing between logs. Bottom seals are secured in a dovetail groove and are replaceable.
- Each log provided with two 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:

- Stainless steel frame in lieu of aluminum frame.
- Lowering / raising of stoplogs manually using lifting rods.
- Lowering / raising of stoplogs using automatically engaging lifting beam with manual / electric hoist.
- Individual logs bunched together to offer increased sectional height and reduce number of sectional logs for faster lifting using lifting beam.

- Portable frame for mounting lifting beam.
- Storage rack for safe storage of stoplogs.
- Hard epoxy painting on aluminum material.

MATERIAL OF CONSTRUCTION:

Depending upon application and requirement, client should select and specify the material of construction option for various components of stoplogs from the alternatives stated on page no 53.

SHOP TESTING:

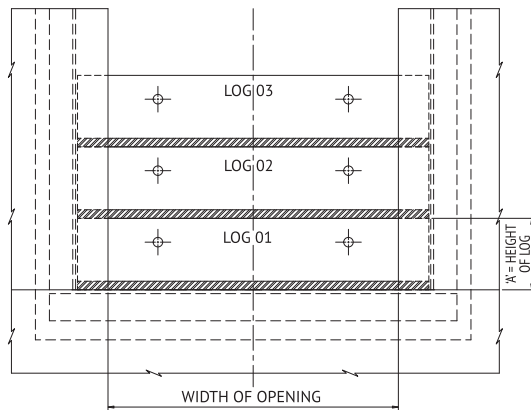
- Leakage testing of stoplogs at plant with water filled till top of logs to verify leakage performance. #
- Seat clearance check of each stoplog assembly for checking clearance between mating sealing faces.
- Movement test for checking interference free movement of logs within frame assembly.

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

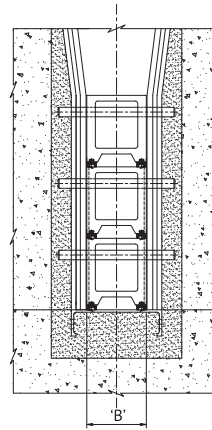
	
Multipiece 10" high stoplogs bolted together to offer one piece 60" high unit stoplog	Arrangement to allow lifting of multi-piece logs at a time with low lifting force

ALUMINUM SECTIONAL STOPLOGS

SERIES: A - 421 / 422 / 423 - DRAWINGS

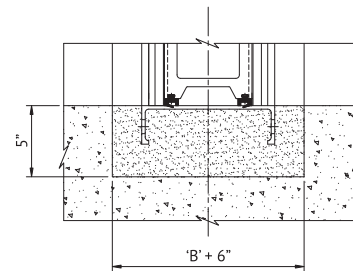


FRONT VIEW



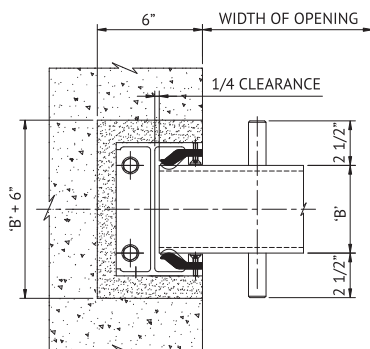
SIDE VIEW

A - 6", 10" & 12"
B - 4.92", 3.54" & 3.54"

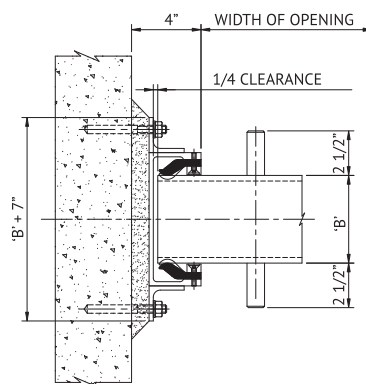


BOTTOM SEALING ARRANGEMENT

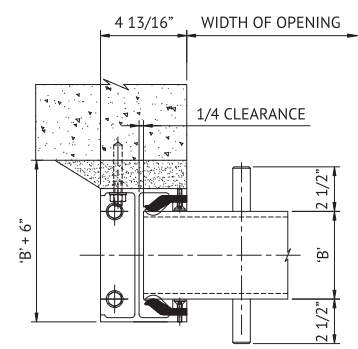
FRAME MOUNTED LIP GLIDE™ SEALING ARRANGEMENT



SERIES: A-421

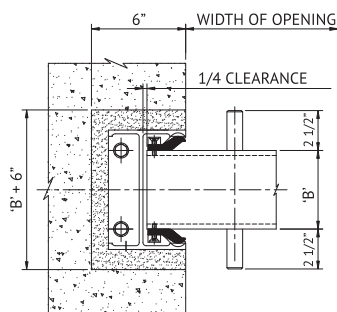


SERIES: A-422

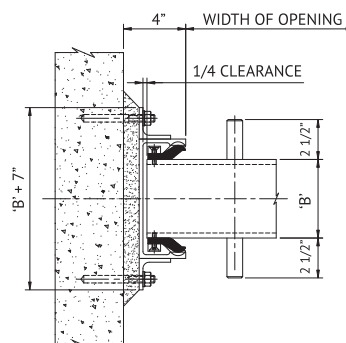


SERIES: A-423

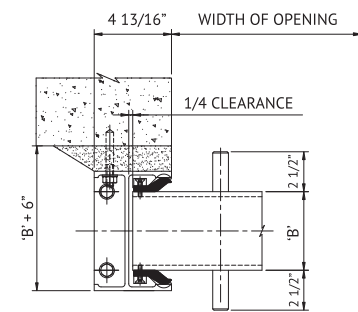
LOG MOUNTED LIP GLIDE™ SEALING ARRANGEMENT



SERIES: A-421



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SERIES: A-423